



GENERAL PUMP

www.generalpump.com | 888.474.5487

Reasons to use General Pump

Reliability



General Pump products have been industry-tested world-wide for 36 years. General Pump is affiliated with the world's largest manufacturer of high-pressure water plunger pumps and accessories. You can rely on General Pump's wide range of products that fill many niches in the market and cater to customers' specific needs. You can depend on the flexibility and efficiency of General Pump's manufacturing and distribution processes.

Versatility



General Pump offers a variety of pumps, accessory and nozzle models with flows up to 236 GPM and pressures to 22,000 PSI. General Pump has put millions of pumps into various applications over the last 34 years. These pumps are complemented with a broad array of accessories and nozzles to meet specific customer requirements.

Economic Quality

Maintenance and repair of GP pumps and accessories is simple and inexpensive. When you compare the life-cycle cost of GP to others in the market, you will find GP products are the choice for best value. Availability of replacement parts and kits is always a critical issue when choosing a supplier. General Pump is a US based distributor/manufacturer with a full inventory of pumps, accessories, nozzles and repair parts ready for immediate delivery.

Commitment to Support

General Pump has a well-trained staff including Inside and Outside Sales, Applications Engineering and Design Engineering groups ready to provide customers with training, information and support. Comprehensive training schools are held frequently at our world-class training facility.



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Engineering & Manufacturing

Since 1982, General Pump has developed a leading position as a designer and manufacturer of innovative products for the power wash industry. Located at our manufacturing facility in Eagan, MN our dedicated engineering teams work closely with our OEM partners using state-of-the-art design tools and suppliers to bring to market the innovative, yet cost-effective solutions to meet our customer's needs.

In recent years the emergence of General Pump's own Minnesota-based manufacturing capability has brought a new level of service to the US market. Our capacity has expanded and we offer a wide range of products built to order, made in the USA, for the American market.

Importantly, this local market support is now the strongest in our industry, thanks to the financial backing of the Interpump Group, the world's leader in high-pressure plunger pump technology and production. As a result, General Pump is uniquely positioned in the US market to engineer, manufacture and timely deliver the complete range of solutions required by the power wash industry.

Dedicated Engineering

- Design teams dedicated to accessory and nozzle development
- Source of innovative products like the Pump Thermal Protector line (PTP), the Dual Port Injector, the 6,000 PSI Safety Valve, the Quick Disconnect Injector line and our new Expansion Valves
- State-of-the-art design support including 3D CAD modeling and ANSYS fluid and stress analysis software

In-House Design

- Dedicated engineering resources for product customization and design support
- Dedicated prototype shop ensures timely turnaround of new products
- In-house machine design has provided General Pump's manufacturing department with innovative assembly work stations



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TABLE OF CONTENTS

PRESSURE CLEANING PUMPS

PAGES 1-18

TT 51 Series Pumps.....	2
TT/TP 51 Series Pumps.....	3
60 Series Pumps.....	4-5
TX 63 Series Pumps.....	6-7
EZ 44 Series Pumps.....	8-9
EP Series Pumps.....	10-11
ES Series Pumps.....	12
50 Series Pumps.....	13
47 Series Pumps.....	14
66 Series Pumps.....	15
69 Series Pumps.....	16
48 Series Pumps.....	17
AT and AB Series Agricultural Pumps.....	18

EMPEROR PUMPS

PAGES 20-22

Emperor HTC and HTXS Series Pumps.....	20
Emperor HTS and HTF Series Pumps.....	21
Emperor HTW, HTCK3623S and HTCK4050 Series Pumps.....	22

VEHICLE CLEANING PUMPS

PAGES 24-28

Emperor HTXS and HTS Series Pumps.....	24
Emperor HTF and HTW Series Pumps.....	25
Emperor HTCK3623S and HTCK4050S Series Pumps.....	26
CW47 Series Pumps.....	27
CW69 Series Pumps.....	28

VEHICLE CLEANING ACCESSORIES

PAGES 29-33

Swivels, Squeegees, Nozzle Packs.....	29
Regulators, Balanced Relief Valves, Unloaders, Check Valves.....	30
Accumulators, Spray Guns, Lances.....	31
Flow Switches, Chemical Injectors.....	32
Chemical Injectors.....	33

INDUSTRIAL PUMPS

PAGES 34-44

KE, KT, HF Series Pumps.....	35
KF, KS, MW/MWS Series Pumps.....	36
MK, MKS, LK Series Pumps.....	37
VF, VK, SM Series Pumps.....	38
SK Series Pumps.....	39
Mud Pumps.....	39
Optional Gearbox.....	39
TR, SR Series Pumps.....	40
AGGRESSIVE ENVIRONMENT PUMPS	
WM, TXSS, T47SS Series Pumps.....	41
TSFSS, KEZ, HFN Series Pumps.....	42
KFMZ, KFZ, MWN Series Pumps.....	43
LKN Series Pumps.....	44

INDUSTRIAL ACCESSORIES

PAGES 45-50

Industrial Unloaders, Regulating Valves, SS Industrial Regulating Valves.....	45
Safety Relief Valves, Industrial Safety Valves.....	46
Pneumatic Valves, Check Valves, Jetter Valves, Foot Valve, Pulsation Dampeners.....	47
Industrial Spray Guns, Rotating Nozzles.....	48
Industrial Rotating Nozzles, Filters, Miscellaneous.....	49
Tank Cleaning Nozzles.....	50

TABLE OF CONTENTS

ACCESSORIES

PAGES 52-92

Hydraulic Drive	
Hydraulic Drive	52
Drive Components	
Gear Reducers and Multipliers, Flex Couplers, Flanges.....	53
Pulleys and Clutches	54
Pump Oil and Oil Drain Kits.....	55
Valves	
Trapped Pressure Unloaders.....	56
Adjustable Trapped Pressure Unloaders	57
Control Set Unloaders.....	58
Flow Sensitive Unloaders.....	59
Balanced Relief and Regulating Valves.....	60
Safety Relief Valves	61
Expansion Valves, Pump Thermal Protectors, Easy Start Valves and Steam Valves.....	62
Bleeder Valves, Check Valves and Needle Valves.....	63
Injectors	
Adjustable Chemical Injectors.....	64
Quick Connect Chemical Injectors.....	65
Fixed Chemical injectors	66
Fixed Injectors, Chemical Valves and Soap Shooters.....	67
Pulse Pumps.....	68
Spray Guns and Lances	
Front Entry and Rear Entry Spray Guns.....	69
Wash Down Spray guns and Spray Guns w/Lances.....	70
Lances and lance Accessories.....	71-73
Pressure Cleaning Accessories	
Flat Surface Cleaners, Hose Reels.....	74
Water Brooms, Telescoping Wands, Foamers	75
Foamers, Brushes.....	76
Spray Tips and Nozzles	
Standard Spray Tips	77
Chemical Nozzles and Nozzle Packs	78
Adjustable Nozzles.....	79
Rotating Nozzles	80
Rotating Nozzles and Drain Cleaning Nozzles	81
Nozzle Holders and Steam Nozzles.....	82
Couplers and Fittings	
Quick Disconnect Couplers.....	83
Garden Hose Fittings and Manifold Blocks	84
Quick Disconnect Fittings	85
Filters	
Inline High Pressure Filters and Chemical Filters.....	86
Inlet Filters and Inlet Strainers.....	87
Gauges and Switches	
Thermostats and Pressure Switches.....	88
Flow Switches, Throttle Control, Gauges.....	89
Miscellaneous Accessories	
Valve Caps and High Pressure Swivels	90
Pressure Washers, Accumulators/Pulsation Dampeners, Floats and Tanks	91
Sandblasting Nozzles and Service Products.....	92
INDEX	93-98

PRESSURE CLEANING



Automotive

- Municipal vehicle maintenance
- Bug and tar removal
- General exterior cleaning

Surface cleaning

- Sidewalks
- Driveways

Household exterior cleaning

- Mildew removal
- Storm cleanup
- Pool decks
- Gutter cleaning

Pre-painting surface preparation

- Surface cleaning
- Paint removal

Heavy equipment maintenance

- Dirt and mud removal
- Grease and oil removal
- Parts washing

Contract cleaning

- Building exterior cleaning
- Sidewalk cleaning
- Driveway cleaning
- Deck cleaning
- Restaurant kitchen cleaning
- Hood and duct cleaning
- Mobile vehicle wash
- Ice abatement
- Wet sandblasting
- General Cleaning

COMING IN 2015



EVOLUTION ET SERIES

Expected
First
Quarter
2015



ET Pumps will
offer robust,
heavy-duty
performance in a
compact design!

Flows up to 3.4 GPM
Pressures up to 4,500

PSI



51 Series - Features:

- Triplex plunger pumps
- Forged brass manifold with an exclusive lifetime warranty
- Die-cast, anodized aluminum oil-bath crankcase
- Solid ceramic plungers with continuously lubricated packings
- Unitized, stainless steel inlet and outlet valves
- Ideal for all general cleaning and misting applications



TT901

51 Series - Solid Shaft - Specifications:

Max. Inlet Pressure125 PSI
 Max. Fluid Temperature165° F
 Inlet Port Thread3/8"-19 BSP-F
 Discharge Port Thread1/4"-19 BSP-F
 Shaft Diameter945 in./24 mm
 Pump Dimensions7.0"x6.9"x5.1"
 Crankcase Oil Capacity11.2 oz.
 Use GP Series 100 Oil (see page 55)
 Product GroupU

51 SERIES - 24 MM SOLID SHAFT FOR PULLEY MOUNT OR DIRECT DRIVE WITH FLEX COUPLER AND BELL HOUSING							
MODEL	GPM	PSI	RPM	BORE	STROKE	HP	SHP WGHT
TT911	3.0 GPM	1,500 PSI	1750 RPM	.780 in./18 mm	.370 in./9.4 mm	3.1 EBHP	11.2 lbs.
TT901	2.11 GPM	1,500 PSI	2800 RPM	.591 in./15 mm	.236 in./6.0 mm	2.2 EBHP	11.2 lbs.
TT951	2.5 GPM	1,500 PSI	2800 RPM	.591 in./15 mm	.283 in./7.2 mm	2.6 EBHP	11.2 lbs.
TT931	2.9 GPM	1,500 PSI	2800 RPM	.591 in./15 mm	.315 in./8.0 mm	3.0 EBHP	11.2 lbs.
TT941	3.43 GPM	1,500 PSI	2800 RPM	.591 in./15 mm	.370 in./9.4 mm	3.5 EBHP	11.2 lbs.

51 Series - Hollow Shaft - Electric - Specifications:

Hollow Shaft5/8 (.625) in. or 3/4 (.750) in.
 Pump Dimensions7.0"x7.2"x5.5"



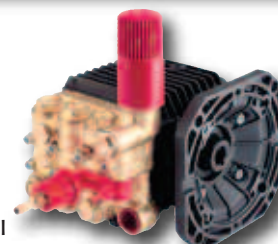
TT2021EBF

51 SERIES - 5/8" HOLLOW SHAFT, FLANGED FOR DIRECT COUPLE TO ELECTRIC MOTORS (NEMA 56C)							
MODEL	GPM	PSI	RPM	BORE	STROKE	HP	SHP WGHT
T9051EBF	2.11 GPM	1,500 PSI	1750 RPM	.591 in./15 mm	.370 in./9.4 mm	2.2 EBHP	11.5 lbs.
TT9111EBF	3.0 GPM	1,500 PSI	1750 RPM	.709 in./18 mm	.370 in./9.4 mm	3.1 EBHP	11.5 lbs.
TT2021EBF	2.1 GPM	2,000 PSI	3400 RPM	.591 in./15 mm	.197 in./5.0 mm	2.9 EBHP	11.5 lbs.
TT9061EBF	2.11 GPM	1,500 PSI	3400 RPM	.591 in./15 mm	.197 in./5.0 mm	2.2 EBHP	11.5 lbs.
TT2028EBF	2.8 GPM	2,000 PSI	3400 RPM	.591 in./15 mm	.260 in./6.6 mm	3.8 EBHP	11.5 lbs.
TT9071EBF	2.8 GPM	1,500 PSI	3400 RPM	.591 in./15 mm	.260 in./6.6 mm	2.9 EBHP	11.5 lbs.

51 SERIES - 3/4" HOLLOW SHAFT, FLANGED FOR DIRECT COUPLE TO ELECTRIC MOTORS (NEMA 56C)							
MODEL	GPM	PSI	RPM	BORE	STROKE	HP	SHP WGHT
TT2035EBF	3.5 GPM	2,000 PSI	3400 RPM	.591 in./15 mm	.315 in./8.0 mm	4.8 EBHP	11.5 lbs.

51 Series - Hollow Shaft - Electric - Specifications:

Hollow Shaft5/8 (.625) in. or 3/4 (.750) in.
 Pump Dimensions7.0"x7.2"x8.0"



TT9061EBFUI

51 SERIES - 5/8" HOLLOW SHAFT, FLANGED FOR DIRECT COUPLE TO ELECTRIC MOTORS (NEMA 56C) - WITH BUILT-IN UNLOADER							
MODEL	GPM	PSI	RPM	BORE	STROKE	HP	SHP WGHT
T9051EBFUI	2.11 GPM	1,500 PSI	1750 RPM	.591 in/15 mm	.370 in./9.4 mm	2.2 EBHP	12.0 lbs.
TT9061EBFUI	2.11 GPM	1,500 PSI	3400 RPM	.591 in/15 mm	.197 in./5.0 mm	2.2 EBHP	12.0 lbs.
TT9071EBFUI	2.8 GPM	1,500 PSI	3400 RPM	.591 in/15 mm	.260 in./6.6 mm	2.9 EBHP	12.0 lbs.
<i>Pump with Built-in Unloader and Downstream Injector</i>							
T9051EBFUI	2.11 GPM	1,500 PSI	1750 RPM	.591 in/15 mm	.370 in./9.4 mm	2.2 EBHP	12.0 lbs.
TT9061EBFUI	2.11 GPM	1,500 PSI	3400 RPM	.591 in/15 mm	.197 in./5.0 mm	2.2 EBHP	12.0 lbs.
TT9071EBFUI	2.8 GPM	1,500 PSI	3400 RPM	.591 in/15 mm	.260 in./6.6 mm	2.9 EBHP	12.0 lbs.

51 SERIES - 3/4" HOLLOW SHAFT, FLANGED FOR DIRECT COUPLE TO ELECTRIC MOTORS (NEMA 56C) - W/ B/I BUILT-IN UNLOADER AND DOWNSTREAM INJECTOR							
MODEL	GPM	PSI	RPM	BORE	STROKE	HP	SHP WGHT
TT2035EBFUI	3.5 GPM	2,000 PSI	3400 RPM	.591 in/15 mm	.315 in./8.0 mm	4.8 EBHP	12.0 lbs.



TT9061GBF

51 Series - Hollow Shaft - Gasoline - Specifications:

Hollow Shaft3/4 (.750) in.
 Pump Dimensions.....7.2"x7.2"x5.5"

51 SERIES - 3/4" HOLLOW SHAFT, FLANGED FOR DIRECT COUPLE TO GASOLINE ENGINES (SAE J609A)							
MODEL	GPM	PSI	RPM	BORE	STROKE	HP	SHP WGHT
TT9061GBF	2.11 GPM	1,500 PSI	3400 RPM	.591 in./15 mm	.197 in./5.0 mm	3.3 GHP	11.4 lbs.
TT2028GBF	2.8 GPM	2,000 PSI	3400 RPM	.591 in./15 mm	.260 in./6.6 mm	5.8 GHP	11.4 lbs.
TT9071GBF	2.8 GPM	1,500 PSI	3400 RPM	.591 in./15 mm	.260 in./6.6 mm	4.3 GHP	11.4 lbs.
TT2035GBF	3.5 GPM	2,000 PSI	3400 RPM	.591 in./15 mm	.315 in./8.0 mm	7.2 GHP	11.4 lbs.
TT1540GBF	4.0 GPM	1,500 PSI	3400 RPM	.591 in./15 mm	.370 in./9.4 mm	6.2 GHP	11.4 lbs.



TP2520J34

51 Series - Hollow Shaft -Gasoline - Specifications:

Hollow Shaft3/4 (.750) in.
 Pump Dimensions.....7.0"x7.2"x5.5"

51 SERIES - 3/4" HOLLOW SHAFT, FLANGED FOR DIRECT COUPLE TO GASOLINE ENGINES (SAE J609A)							
MODEL	GPM	PSI	RPM	BORE	STROKE	HP	SHP WGHT
TP2520J34	1.9 GPM	2,500 PSI	3400 RPM	.591 in./15 mm	.197 in./5.0 mm	4.9 GHP	11.4 lbs.
TP2526J34	2.6 GPM	2,500 PSI	3400 RPM	.591 in./15 mm	.260 in./6.6 mm	6.7 GHP	11.4 lbs.
TP2530J34	2.88 GPM	2,500 PSI	3400 RPM	.591 in./15 mm	.283 in./7.2 mm	7.4 GHP	11.4 lbs.
TP2533J34	3.3 GPM	2,500 PSI	3400 RPM	.591 in./15 mm	.315 in./8.0 mm	8.5 GHP	11.4 lbs.



TP2530J34UIL

51 Series - Hollow Shaft -Gasoline - Specifications:

Hollow Shaft3/4 (.750) in.
 Pump Dimensions.....7.0"x7.2"x5.5"

51 SERIES - 3/4" HOLLOW SHAFT, FLANGED FOR DIRECT COUPLE TO GASOLINE ENGINES (SAE J609A), WITH BUILT-IN UNLOADER AND DOWNSTREAM INJECTOR							
MODEL	GPM	PSI	RPM	BORE	STROKE	HP	SHP WGHT
TP2520J34UIL	1.9 GPM	2,500 PSI	3400 RPM	.591 in./15 mm	.197 in./5.0 mm	4.9 GHP	11.4 lbs.
TP2526J34UIL	2.6 GPM	2,700 PSI	3400 RPM	.591 in./15 mm	.260 in./6.6 mm	7.2 GHP	11.4 lbs.
TP2530J34UIL	2.88 GPM	2,700 PSI	3400 RPM	.591 in./15 mm	.283 in./7.2 mm	8.0 GHP	11.4 lbs.
TP2533J34UIL	3.3 GPM	2,500 PSI	3400 RPM	.591 in./15 mm	.315 in./8.0 mm	8.5 GHP	11.4 lbs.

60 Series - Features:

- Triplex plunger pumps
- Compact design
- Forged brass manifold with an exclusive lifetime warranty
- Long life, low pressure seals
- Oversized bearings and sight glass

60 Series - Solid Shaft - Specifications:

Max. Inlet Pressure125 PSI
 Max. Fluid Temperature165° F
 Inlet Port Thread1/2"-14 BSP-F
 Discharge Port Thread3/8"-19 BSP-F
 Gauge Port.....1/8"
 Shaft Diameter945 in./24 mm
 Gauge Part.....1/8"
 Pump Dimensions.....7.6"x8.0"x4.9"
 Crankcase Oil Capacity.....11.8 oz.

Use GP Series 100 Oil (see page 55)

Product Group.....U

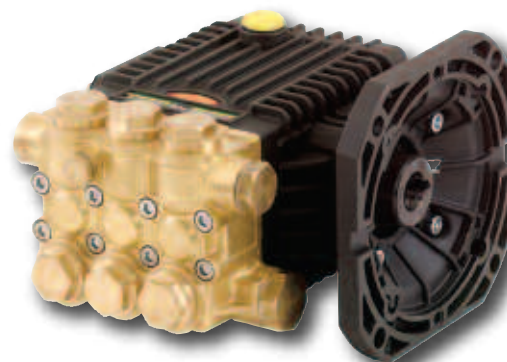


TC1509S17

60 SERIES - 24 MM SOLID SHAFT							
MODEL	GPM	PSI	RPM	BORE	STROKE	HP	SHP WGHT
TC1509S17	1.75 GPM	2,500 PSI	1450 RPM	.591 in./15 mm	.370 in./9.4 mm	3.0 EBHP	15.2 lbs.
	2.1 GPM	2,500 PSI	1750 RPM	.591 in./15 mm	.370 in./9.4 mm	3.6 EBHP	15.2 lbs.
TC1511S17	2.1 GPM	2,500 PSI	1450 RPM	.591 in./15 mm	.453 in./11.5 mm	3.6 EBHP	15.2 lbs.
	2.6 GPM	2,500 PSI	1750 RPM	.591 in./15 mm	.453 in./11.5 mm	4.45 EBHP	15.2 lbs.
TC1809S17	2.5 GPM	2,200 PSI	1450 RPM	.709 in./18 mm	.370 in./9.4 mm	3.77 EBHP	15.2 lbs.
	3.1 GPM	2,200 PSI	1750 RPM	.709 in./18 mm	.370 in./9.4 mm	4.67 EBHP	15.2 lbs.
TC1811S17	3.25 GPM	2,200 PSI	1450 RPM	.709 in./18 mm	.453 in./11.5 mm	4.9 EBHP	15.2 lbs.
	3.9 GPM	2,200 PSI	1750 RPM	.709 in./18 mm	.453 in./11.5 mm	5.88 EBHP	15.2 lbs.
TC1507S34	3.0 GPM	2,700 PSI	3400 RPM	.591 in./15 mm	.283 in./7.2 mm	5.55 EBHP	15.2 lbs.
TC1508S34	3.3 GPM	2,500 PSI	3400 RPM	.591 in./15 mm	.315 in./8.0 mm	5.65 EBHP	15.2 lbs.

60 Series - Hollow Shaft - Electric - Specifications:

Hollow Shaft5/8 (.625)in. or 3/4 (.750) in.
 Pump Dimensions.....7.8"x7.3"x5.5"



TC1508E175

60 SERIES - 5/8" HOLLOW SHAFT, FLANGED FOR DIRECT COUPLE TO ELECTRIC MOTORS (NEMA 56C)							
MODEL	GPM	PSI	RPM	BORE	STROKE	HP	SHP WGHT
TC1502E175	0.25 GPM	2,500 PSI	1750 RPM	.591 in./15 mm	.079 in./2.0 mm	0.5 EBHP	15.1 lbs.
TC1805E175	0.5 GPM	2,200 PSI	1750 RPM	.709 in./18 mm	.079 in./2.0 mm	0.8 EBHP	15.1 lbs.
TC1508E175	1.75 GPM	2,500 PSI	1750 RPM	.591 in./15 mm	.315 in./8.0 mm	3.0 EBHP	15.1 lbs.
TC1509E175	2.10 GPM	2,500 PSI	1750 RPM	.591 in./15 mm	.370 in./9.4 mm	3.6 EBHP	15.1 lbs.
TC1809E175	3.10 GPM	2,200 PSI	1750 RPM	.709 in./18 mm	.370 in./9.4 mm	4.7 EBHP	15.1 lbs.
TC1504E345	1.75 GPM	2,700 PSI	3400 RPM	.591 in./15 mm	.158 in./4.0 mm	3.2 EBHP	15.1 lbs.
TC1505E345	2.1 GPM	2,700 PSI	3400 RPM	.591 in./15 mm	.197 in./5.0 mm	3.88 EBHP	15.1 lbs.
TC1506E345	2.6 GPM	2,700 PSI	3400 RPM	.591 in./15 mm	.256 in./6.5 mm	4.81 EBHP	15.1 lbs.
TC1507E345	3.0 GPM	2,700 PSI	3400 RPM	.591 in./15 mm	.283 in./7.2 mm	5.55 EBHP	15.1 lbs.

60 SERIES - 3/4" HOLLOW SHAFT, FLANGED FOR DIRECT COUPLE TO ELECTRIC MOTORS (NEMA 56C)							
MODEL	GPM	PSI	RPM	BORE	STROKE	HP	SHP WGHT
TC1506E346	2.6 GPM	2,700 PSI	3400 RPM	.591 in./15 mm	.256 in./6.5 mm	4.81 EBHP	15.1 lbs.
TC1507E346	3.0 GPM	2,700 PSI	3400 RPM	.591 in./15 mm	.283 in./7.2 mm	5.55 EBHP	15.1 lbs.
TC1508E346	3.3 GPM	2,500 PSI	3400 RPM	.591 in./15 mm	.315 in./8.0 mm	5.65 EBHP	15.1 lbs.



TC1506G

60 Series - Hollow Shaft - Gasoline - Specifications:

Hollow Shaft3/4 (.750) in.
 Pump Dimensions.....7.6"x7.6"x5.1"

60 SERIES - 3/4" HOLLOW SHAFT, FLANGED FOR DIRECT COUPLE TO GASOLINE ENGINES (SAE J609A)							
MODEL	GPM	PSI	RPM	BORE	STROKE	HP	SHP WGHT
TC1506G	2.6 GPM	2,700 PSI	3400 RPM	.591 in./15 mm	.256 in./6.5 mm	7.21 GHP	14.6 lbs.
TC1507G	3.0 GPM	2,700 PSI	3400 RPM	.591 in./15 mm	.283 in./7.2 mm	8.32 GHP	14.6 lbs.
TC1508G	3.3 GPM	2,500 PSI	3400 RPM	.591 in./15 mm	.315 in./8.9 mm	8.48 GHP	14.6 lbs.
TC1509G	4.0 GPM	2,500 PSI	3400 RPM	.591 in./15 mm	.370 in./9.4 mm	10.27 GHP	14.6 lbs.



TC1506GUI

60 Series - Hollow Shaft - Gasoline - Specifications:

Hollow Shaft3/4 (.750) in.
 Pump Dimensions10.4"x8.0"x7.7"

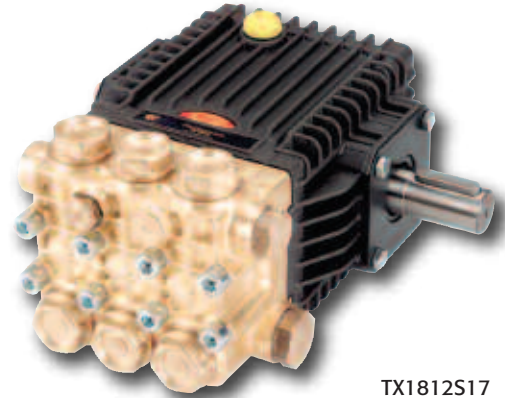
60 SERIES - 3/4" HOLLOW SHAFT, FLANGED FOR DIRECT COUPLE TO GASOLINE ENGINES (SAE J609A) w/ BUILT-IN TRAPPED PRESSURE UNLOADER							
MODEL	GPM	PSI	RPM	BORE	STROKE	HP	SHP WGHT
TC1506GUI	2.6 GPM	2,700 PSI	3400 RPM	.591 in./15 mm	.256 in./6.5 mm	7.21 GHP	16.0 lbs.
TC1507GUI	3.0 GPM	2,700 PSI	3400 RPM	.591 in./15 mm	.283 in./7.2 mm	8.32 GHP	16.0 lbs.
TC1508GUI	3.3 GPM	2,500 PSI	3400 RPM	.591 in./15 mm	.315 in./8.9 mm	8.48 GHP	16.0 lbs.
TC1509GUI	4.0 GPM	2,500 PSI	3400 RPM	.591 in./15 mm	.370 in./9.4 mm	10.27 GHP	16.0 lbs.

63 Series - Features:

- Triplex plunger pumps
- Forged brass manifold with an exclusive lifetime warranty
- Large, lightweight connecting rods
- Long life, low and high pressure seals
- Oversized bearings and sight glass
- Flex coupling and bell housing available for direct drive

63 Series - Solid Shaft - Specifications:

Max. Inlet Pressure125 PSI
 Max. Fluid Temperature165° F
 Inlet Port Thread1/2"-14 BSP-F
 Discharge Port Thread3/8"-19 BSP-F
 Gauge Port.....1/8"
 Shaft Diameter945 in./24 mm
 Gauge Por1/8"
 Pump Dimensions.....8.4"x8.3"x4.8"
 Crankcase Oil Capacity.....14.0 oz.
 Use GP Series 100 Oil (see page 55)
 Product GroupW

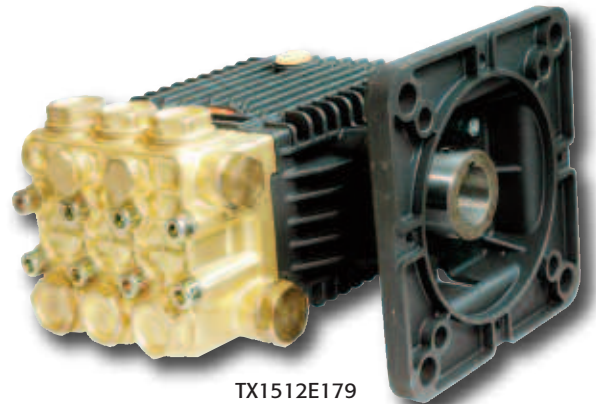


TX1812S17

63 SERIES - 24 MM SOLID SHAFT							
MODEL	GPM	PSI	RPM	BORE	STROKE	HP	SHP WGHT
TX1512S17	2.6 GPM	3,000 PSI	1750 RPM	.591 in./15 mm	.472 in./12 mm	5.3 EBHP	19.0 lbs.
TX1513S17	3.0 GPM	3,000 PSI	1750 RPM	.591 in./15 mm	.512 in./13 mm	6.2 EBHP	19.0 lbs.
TX1810S17	3.2 GPM	2,500 PSI	1750 RPM	.709 in./18 mm	.394 in./10 mm	4.2 EBHP	19.0 lbs.
TX1812S17	3.8 GPM	2,500 PSI	1750 RPM	.709 in./18 mm	.472 in./12 mm	5.2 EBHP	19.0 lbs.
TX1813S17	4.1 GPM	2,500 PSI	1750 RPM	.709 in./18 mm	.512 in./13 mm	5.6 EBHP	19.0 lbs.
TX1506S34	2.6 GPM	3,000 PSI	3400 RPM	.591 in./15 mm	.256 in./6.5 mm	5.3 EBHP	19.0 lbs.
TX1508S34	3.0 GPM	3,000 PSI	3400 RPM	.591 in./15 mm	.315 in./8.0 mm	6.2 EBHP	19.0 lbs.
TX1510S34	4.0 GPM	3,000 PSI	3400 RPM	.591 in./15 mm	.394 in./10 mm	8.2 EBHP	19.0 lbs.

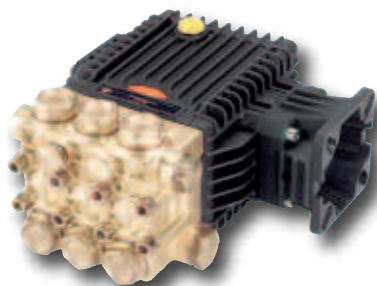
63 Series - Hollow Shaft -Electric- Specifications:

Hollow Shaft1-1/8 (1.125) in.
 Pump Dimensions.....8.6"x7.9"x5.7"



TX1512E179

63 SERIES - 1-1/8 (1.125)" HOLLOW SHAFT, FLANGED FOR DIRECT COUPLE TO ELECTRIC MOTORS (NEMA-184TC)							
MODEL	GPM	PSI	RPM	BORE	STROKE	HP	SHP WGHT
TX1512E179	2.6 GPM	3,000 PSI	1750 RPM	.591 in./15 mm	.472 in./12 mm	5.3 EBHP	18.0 lbs.
TX1810E179	3.2 GPM	2,500 PSI	1750 RPM	.709 in./18 mm	.394 in./10 mm	4.4 EBHP	18.0 lbs.
TX1812E179	3.8 GPM	2,500 PSI	1750 RPM	.709 in./18 mm	.472 in./12 mm	5.2 EBHP	18.0 lbs.
TX1510E349	2.0 GPM	3,000 PSI	1750 RPM	.591 in./15 mm	.394 in./10 mm	4.3 EBHP	18.0 lbs.
	4.0 GPM	3,000 PSI	3400 RPM	.591 in./15 mm	.394 in./10 mm	8.2 EBHP	18.0 lbs.



TX1506G6

63 Series - 3/4" Hollow Shaft - Gasoline - Specifications:

Hollow Shaft.....3/4 (.750) in.
 Pump Dimensions.....8.4"x8.3"x4.8"

63 SERIES - 3/4" HOLLOW SHAFT, FLANGED FOR DIRECT COUPLE TO GASOLINE ENGINES (SAE J609B)							
MODEL	GPM	PSI	RPM	BORE	STROKE	HP	SHP WGHT
TX1505G6	2.0 GPM	3,000 PSI	3400 RPM	.591 in./15 mm	.197 in./5.0 mm	6.2 GHP	18.0 lbs.
TX1506G6	2.6 GPM	3,000 PSI	3400 RPM	.591 in./15 mm	.256 in./6.5 mm	8.0 GHP	18.0 lbs.
TX1508G6	3.0 GPM	3,000 PSI	3400 RPM	.591 in./15 mm	.315 in./8.0 mm	9.2 GHP	18.0 lbs.



TX1506G8

63 Series - 1" Hollow Shaft - Gasoline - Specifications:

Hollow Shaft.....1 in.
 Pump Dimensions.....8.4"x8.3"x4.8"

63 SERIES - 1" HOLLOW SHAFT, FLANGED FOR DIRECT COUPLE TO GASOLINE ENGINES (SAE J609B)							
MODEL	GPM	PSI	RPM	BORE	STROKE	HP	SHP WGHT
TX1506G8	2.6 GPM	3,000 PSI	3400 RPM	.591 in./15 mm	.256 in./6.5 mm	8.0 GHP	18.0 lbs.
TX1508G8	3.0 GPM	3,000 PSI	3400 RPM	.591 in./15 mm	.315 in./8.0 mm	9.2 GHP	18.0 lbs.
TX1509G8	3.5 GPM	3,000 PSI	3400 RPM	.591 in./15 mm	.355 in./9.0 mm	10.8 GHP	18.0 lbs.
TX1510G8	4.0 GPM	3,000 PSI	3400 RPM	.591 in./15 mm	.394 in./10 mm	12.3 GHP	18.0 lbs.



TX1508G8UIA

63 Series - 1" Hollow Shaft - Gasoline - Specifications:

Hollow Shaft.....1 in.
 Pump Dimensions.....8.4"x8.3"x4.8"

63 SERIES - 1" HOLLOW SHAFT, FLANGED FOR DIRECT COUPLE TO GASOLINE ENGINES (SAE J609B) - WITH BUILT-IN TP UNLOADER AND FIXED, DOWNSTREAM INJECTOR							
MODEL	GPM	PSI	RPM	BORE	STROKE	HP	SHP WGHT
TX1508G8UIA	3.0 GPM	3,500 PSI	3400 RPM	.591 in./15 mm	.315 in./8.0 mm	10.8 GHP	18.2 lbs.
TX1509G8UIA	3.5 GPM	3,500 PSI	3400 RPM	.591 in./15 mm	.355 in./9.0 mm	12.6 GHP	18.2 lbs.
TX1510G8UIA	4.0 GPM	3,500 PSI	3400 RPM	.591 in./15 mm	.394 in./10 mm	13.0 GHP	18.2 lbs.



TX1506G8UK

63 Series - 1" Hollow Shaft - Gasoline - Specifications:

Hollow Shaft.....1 in.
 Pump Dimensions.....8.4"x8.3"x4.8"
 Inlet Port Thread.....1/2"-14 BSP-F
 Discharge Port Thread.....3/8"-19 BSP-M

63 SERIES - 1" HOLLOW SHAFT, FLANGED FOR DIRECT COUPLE TO GASOLINE ENGINES (SAE J609B) - WITH BUILT-IN FLOW SENSITIVE UNLOADER AND DOWNSTREAM INJECTOR							
MODEL	GPM	PSI	RPM	BORE	STROKE	HP	SHP WGHT
TX1506G8UK	2.6 GPM	3,000 PSI	3400 RPM	.591 in./15 mm	.256 in./6.5 mm	8.0 GHP	18.2 lbs.
TX1508G8UK	3.0 GPM	3,000 PSI	3400 RPM	.591 in./15 mm	.315 in./8.0 mm	9.2 GHP	18.2 lbs.
TX1509G8UK	3.5 GPM	3,000 PSI	3400 RPM	.591 in./15 mm	.355 in./9.0 mm	10.8 GHP	18.2 lbs.
TX1510G8UK	4.0 GPM	3,000 PSI	3400 RPM	.591 in./15 mm	.394 in./10 mm	12.3 GHP	18.2 lbs.

EZ Series - Features:

- Triplex plunger pumps
- Forged brass manifold with an exclusive lifetime warranty
- Solid ceramic plunger design
- Die-cast, anodized aluminum oil bath crankcase
- Premium roller bearings
- Flex coupling and bell housing available for direct drive
- Unitized stainless steel inlet and discharge valves



EZ3036SN

EZ Series - Solid Shaft - Specifications:

Max. Inlet Pressure125 PSI
 Max. Fluid Temperature165° F
 Inlet Port Thread1/2"-14 BSP-F
 Discharge Port Thread3/8"-19 BSP-F
 Shaft Diameter945 in./24 mm
 Pump Dimensions.....8.8"x8.8"x6.3"
 Crankcase Oil Capacity.....14.0 oz.
 Use GP Series 100 Oil (see page 55)
 Product GroupW

EZ SERIES 44 - 24 MM SOLID SHAFT							
MODEL	GPM	PSI	RPM	BORE	STROKE	HP	SHP WGHT
EZ2536S	3.6 GPM	2,500 PSI	1750 RPM	.708 in./18 mm	.433 in./11 mm	6.2 EBHP	18.0 lbs.
EZ2542S	4.2 GPM	2,500 PSI	1750 RPM	.708 in./18 mm	.512 in./13 mm	7.2 EBHP	18.0 lbs.
EZ3040S	4.0 GPM	3,000 PSI	3400 RPM	.591 in./15 mm	.374 in./9.5 mm	8.2 EBHP	18.0 lbs.
EZ2545S	4.6 GPM	2,500 PSI	3400 RPM	.591 in./15 mm	.433 in./11 mm	7.9 EBHP	18.0 lbs.
EZ2555S	4.5 GPM	2,500 PSI	3400 RPM	.591 in./15 mm	.512 in./13 mm	9.4 EBHP	18.0 lbs.
Premium Roller Bearings							
EZ3042S	4.2 GPM	3,000 PSI	1750 RPM	.708 in./18 mm	.512 in./13 mm	8.6 EBHP	18.0 lbs.
Pump Includes Built-in Unloader and Downstream Injector							
EZ2530SUI	3.0 GPM	2,500 PSI	1750 RPM	.591 in./15 mm	.512 in./13 mm	5.1 EBHP	19.0 lbs.
Nickel-Plated (pictured above)							
EZ3036SN	3.6 GPM	3,000 PSI	1750 RPM	.708 in./18 mm	.433 in./11 mm	7.4 EBHP	18.0 lbs.
EZ2542SN	4.2 GPM	2,650 PSI	1750 RPM	.708 in./18 mm	.512 in./13 mm	7.6 EBHP	18.0 lbs.

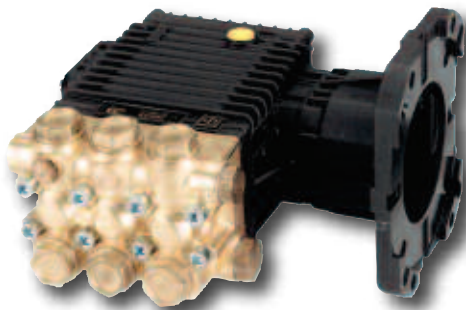
EZ Series - Hollow Shaft - Electric - Specifications:

Hollow Shaft1-1/8 (1.125) in.
 Pump Dimensions.....8.8"x8.8"x6.3"



EZ2536E

EZ SERIES 44 - 1-1/8 (1.125)" HOLLOW SHAFT, FLANGED FOR DIRECT COUPLE TO ELECTRIC MOTORS (NEMA-184TC)							
MODEL	GPM	PSI	RPM	BORE	STROKE	HP	SHP WGHT
EZ2536E	3.6 GPM	2,500 PSI	1750 RPM	.708 in./18 mm	.433 in./11 mm	6.2 EBHP	18.5 lbs.
EZ2542E	4.2 GPM	2,500 PSI	1750 RPM	.708 in./18 mm	.512 in./13 mm	7.2 EBHP	18.5 lbs.
EZ2545E	4.6 GPM	2,500 PSI	3400 RPM	.591 in./18 mm	.433 in./11 mm	7.9 EBHP	18.5 lbs.
EZ2555E	5.5 GPM	2,500 PSI	3400 RPM	.591 in./15 mm	.512 in./13 mm	9.4 EBHP	18.5 lbs.
EZ4035E34	3.5 GPM	4,000 PSI	3400 RPM	.512 in./13 mm	.433 in./11 mm	9.6 EBHP	18.5 lbs.
EZ4040E34	4.0 GPM	4,000 PSI	3400 RPM	.512 in./13 mm	.512 in./13 mm	11.0 EBHP	18.5 lbs.
Pump Includes Unloader and Downstream Injector							
EZ2536EUI	3.6 GPM	2,500 PSI	1750 RPM	.708 in./18 mm	.433 in./11 mm	6.2 EBHP	18.5 lbs.

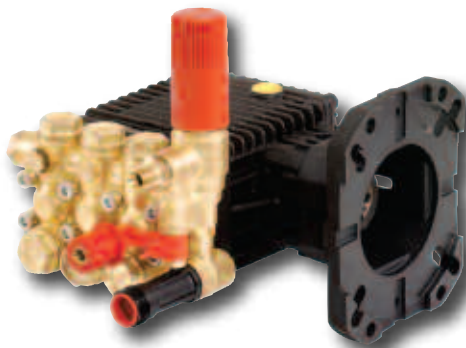


EZ3040G

EZ Series - Hollow Shaft - Gasoline - Specifications:

Hollow Shaft..... 1 in.
 Pump Dimensions..... 8.8"x9.4"x6.5"

EZ SERIES - 1" HOLLOW SHAFT, FLANGED FOR DIRECT COUPLE TO GASOLINE ENGINES (SAE J609B)							
MODEL	GPM	PSI	RPM	BORE	STROKE	HP	SHW WGHT
EZ3030G34	3.0 GPM	3,200 PSI	3400 RPM	.591 in./15 mm	.299 in./7.6 mm	9.9 GHP	19.1 lbs.
EZ3035G	3.5 GPM	3,000 PSI	3400 RPM	.591 in./15 mm	.335 in./8.5 mm	10.8 GHP	19.1 lbs.
EZ3040G	4.0 GPM	3,000 PSI	3400 RPM	.591 in./15 mm	.374 in./9.5 mm	12.3 GHP	19.1 lbs.
EZ3045G	4.6 GPM	3,000 PSI	3400 RPM	.591 in./15 mm	.433 in./11 mm	14.2 GHP	19.1 lbs.
EZ4030G34	3.0 GPM	4,000 PSI	3400 RPM	.512 in./13 mm	.374 in./9.5 mm	12.3 GHP	20.0 lbs.
EZ4035G34	3.5 GPM	4,000 PSI	3400 RPM	.512 in./13 mm	.433 in./11 mm	14.4 GHP	20.0 lbs.
EZ4040G	4.0 GPM	4,000 PSI	3400 RPM	.512 in./13 mm	.512 in./13 mm	16.4 GHP	20.0 lbs.

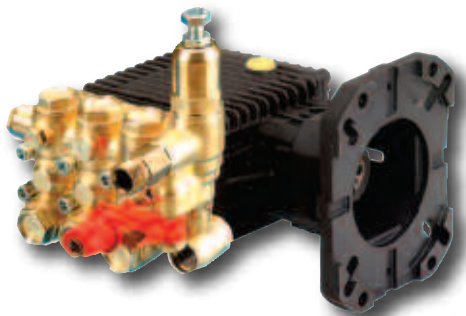


EZ3040GUI

EZ Series - Hollow Shaft - Gasoline - Specifications:

Hollow Shaft..... 1 in.
 Pump Dimensions..... 8.8"x9.7"x6.5"

EZ SERIES - 1" HOLLOW SHAFT, FLANGED FOR DIRECT COUPLE TO GASOLINE ENGINES (SAE J609B) WITH BUILT-IN TP UNLOADER AND DOWNSTREAM INJECTOR							
MODEL	GPM	PSI	RPM	BORE	STROKE	HP	SHW WGHT
EZ3030G34UI	3.0 GPM	3,500 PSI	3400 RPM	.591 in./15 mm	.299 in./7.6 mm	10.8 GHP	19.3 lbs.
EZ3035GUI	3.5 GPM	3,500 PSI	3400 RPM	.591 in./15 mm	.335 in./8.5 mm	12.6 GHP	19.3 lbs.
EZ3040GUI	4.0 GPM	3,500 PSI	3400 RPM	.591 in./15 mm	.374 in./9.5 mm	14.4 GHP	19.3 lbs.



EZ3035GUK

EZ Series - Hollow Shaft - Gasoline - Specifications:

Hollow Shaft..... 1 in.
 Pump Dimensions..... 8.8"x9.7"x6.5"

EZ SERIES - 1" HOLLOW SHAFT, FLANGED FOR DIRECT COUPLE TO GASOLINE ENGINES (SAE J609B) WITH BUILT-IN FLOW SENSITIVE UNLOADER AND DOWNSTREAM INJECTOR							
MODEL	GPM	PSI	RPM	BORE	STROKE	HP	SHW WGHT
EZ3035GUK	3.5 GPM	3,000 PSI	3400 RPM	.591 in./15 mm	.335 in./8.5 mm	10.8 GHP	19.3 lbs.
EZ3040GUK	4.0 GPM	3,000 PSI	3400 RPM	.591 in./15 mm	.374 in./9.5 mm	12.3 GHP	19.3 lbs.

EP Series - Features:

- Triplex plunger pumps
- Advanced forged brass manifold increases working pressure to 4,000 PSI
- Patent-pending plunger guide bushing
- Solid ceramic plungers with innovative dual glide system
- Optimized outlet valves
- New dual lip oil seal

NEW SERIES!



EP1510S17

EP Series - Solid Shaft - Specifications:

Max. Inlet Pressure125 PSI
 Max. Fluid Temperature165° F
 Inlet Port Thread1/2"-14 BSP-F
 Discharge Port Thread3/8"-19 BSP-F
 Shaft Diameter945 in./24 mm
 Pump Dimensions9.5"x8.38"x5.1"
 Crankcase Oil Capacity.....15.0 oz.
 Use GP Series 100 Oil (see page 55)
 Product GroupW

EP SERIES - 24 MM SOLID SHAFT							
MODEL	GPM	PSI	RPM	BORE	STROKE	HP	SHP WGT
EP1510S17	2.4 GPM	3,045 PSI	1750 RPM	.591 in./15 mm	.394 in./10 mm	5.0 EBHP	15.4 lbs.
EP1512S17	2.9 GPM	3,045 PSI	1750 RPM	.591 in./15 mm	.472 in./12 mm	6.0 EBHP	15.4 lbs.
EP1513S17	3.2 GPM	3,045 PSI	1750 RPM	.591 in./15 mm	.512 in./13 mm	6.6 EBHP	15.4 lbs.
EP1810S17	3.4 GPM	2,500 PSI	1750 RPM	.709 in./18 mm	.394 in./10 mm	5.8 EBHP	15.4 lbs.
EP1811S17	3.7 GPM	2,500 PSI	1750 RPM	.709 in./18 mm	.433 in./11 mm	6.3 EBHP	15.4 lbs.
EP1812S17	4.0 GPM	2,500 PSI	1750 RPM	.709 in./18 mm	.472 in./12 mm	6.8 EBHP	15.4 lbs.
EP1813S17	4.2 GPM	2,900 PSI	1750 RPM	.709 in./18 mm	.512 in./13 mm	8.3 EBHP	15.4 lbs.
EP1313S17	2.4 GPM	4,000 PSI	1750 RPM	.512 in./13 mm	.512 in./13 mm	6.5 EBHP	15.4 lbs.
EP1505S34	2.1 GPM	3,045 PSI	3400 RPM	.591 in./15 mm	.197 in./5 mm	4.4 EBHP	15.4 lbs.
EP1506S34	2.9 GPM	3,045 PSI	3400 RPM	.591 in./15 mm	.236 in./6 mm	6.0 EBHP	15.4 lbs.
EP1508S34	3.4 GPM	3,045 PSI	3400 RPM	.591 in./15 mm	.315 in./8 mm	7.1 EBHP	15.4 lbs.
EP1510S34	4.2 GPM	3,045 PSI	3400 RPM	.591 in./15 mm	.394 in./10 mm	8.8 EBHP	15.4 lbs.
EP1306S34	2.1 GPM	4,000 PSI	3400 RPM	.512 in./13 mm	.236 in./6 mm	5.8 EBHP	15.4 lbs.
EP1308S34	2.6 GPM	4,000 PSI	3400 RPM	.512 in./13 mm	.394 in./10 mm	7.1 EBHP	15.4 lbs.
EP1310S34	3.2 GPM	4,000 PSI	3400 RPM	.512 in./13 mm	.394 in./10 mm	8.8 EBHP	15.4 lbs.
EP1311S34	3.4 GPM	4,000 PSI	3400 RPM	.512 in./13 mm	.433 in./11 mm	9.3 EBHP	15.4 lbs.
EP1313S34	4.0 GPM	4,000 PSI	3400 RPM	.512 in./13 mm	.512 in./13 mm	10.9 EBHP	15.4 lbs.

Available with built-in unloader - add "U" to end of part number.
 Available with built-in unloader and injector - add "UI" to end of part number.

NEW SERIES!



EP1510E17

EP Series - Hollow Shaft - Specifications:

Hollow Shaft1-1/8 (1.125)"
 Pump Dimensions9.5"x8.38"x5.1"

EP SERIES - 1-1/8 (1.125)" HOLLOW SHAFT, FLANGED FOR DIRECT COUPLE TO ELECTRIC MOTORS							
MODEL	GPM	PSI	RPM	BORE	STROKE	HP	SHP WGT
EP1510E17	2.4 GPM	3,045 PSI	1750 RPM	.591 in./15 mm	.394 in./10 mm	5.0 EBHP	15.8 lbs.
EP1512E17	2.9 GPM	3,045 PSI	1750 RPM	.591 in./15 mm	.472 in./12 mm	6.0 EBHP	15.8 lbs.
EP1810E17	3.4 GPM	2,500 PSI	1750 RPM	.709 in./18 mm	.394 in./10 mm	5.8 EBHP	15.8 lbs.
EP1811E17	3.7 GPM	2,500 PSI	1750 RPM	.709 in./18 mm	.433 in./11 mm	6.3 EBHP	15.8 lbs.
EP1812E17	4.0 GPM	2,500 PSI	1750 RPM	.709 in./18 mm	.472 in./12 mm	6.8 EBHP	15.8 lbs.

Available with built-in unloader - add "U" to end of part number.
 Available with built-in unloader and injector - add "UI" to end of part number.



EP1506G6

**NEW
 SERIES!**

EP Series - Hollow Shaft - Gasoline - Specifications:

Hollow Shaft.....3/4 (.750) in.
 Pump Dimensions9.5"x8.38"x5.1"

EP SERIES - 3/4" HOLLOW SHAFT, FLANGED FOR DIRECT COUPLE TO GASOLINE ENGINES							
MODEL	GPM	PSI	RPM	BORE	STROKE	HP	SHP WGHT
EP1505G6	2.1 GPM	3,045 PSI	3400 RPM	.591 in./15 mm	.197 in./5 mm	4.4 GHP	15.8 lbs.
EP1506G6	2.9 GPM	3,045 PSI	3400 RPM	.591 in./15 mm	.236 in./6 mm	6.0 GHP	15.8 lbs.
EP1508G6	3.4 GPM	3,045 PSI	3400 RPM	.591 in./15 mm	.315 in./8 mm	7.1 GHP	15.8 lbs.

Available with built-in unloader - add "U" to end of part number.
 Available with built-in unloader and injector - add "UI" to end of part number.



EP1506G8

**NEW
 SERIES!**

EP Series - Hollow Shaft - Gasoline - Specifications:

Hollow Shaft.....1 in.
 Pump Dimensions9.5"x8.38"x5.1"

EP SERIES - 1" HOLLOW SHAFT, FLANGED FOR DIRECT COUPLE TO GASOLINE ENGINES							
MODEL	GPM	PSI	RPM	BORE	STROKE	HP	SHP WGHT
EP1506G8	2.9 GPM	3,045 PSI	3400 RPM	.591 in./15 mm	.236 in./6 mm	6.0 GHP	15.9 lbs.
EP1508G8	3.4 GPM	3,045 PSI	3400 RPM	.591 in./15 mm	.315 in./8 mm	7.1 GHP	15.9 lbs.
EP1509G8	3.7 GPM	3,000 PSI	3400 RPM	.591 in./15 mm	.354 in./9 mm	7.6 GHP	15.9 lbs.
EP1510G8	4.2 GPM	3,000 PSI	3400 RPM	.591 in./15 mm	.394 in./10 mm	8.8 GHP	15.9 lbs.
EP1306G8	2.1 GPM	4,000 PSI	3400 RPM	.512 in./13 mm	.236 in./6 mm	5.8 GHP	15.9 lbs.
EP1308G8	2.6 GPM	4,000 PSI	3400 RPM	.512 in./13 mm	.315 in./8 mm	7.1 GHP	15.9 lbs.
EP1309G8	2.9 GPM	4,000 PSI	3400 RPM	.512 in./13 mm	.354 in./9 mm	7.9 GHP	15.9 lbs.
EP1310G8	3.2 GPM	4,000 PSI	3400 RPM	.512 in./13 mm	.394 in./10 mm	8.8 GHP	15.9 lbs.
EP1311G8	3.4 GPM	4,000 PSI	3400 RPM	.512 in./13 mm	.433 in./11 mm	9.3 GHP	15.9 lbs.
EP1313G8	4.0 GPM	4,000 PSI	3400 RPM	.512 in./13 mm	.512 in./13 mm	10.0 GHP	15.9 lbs.

Available with built-in unloader - add "U" to end of part number.
 Available with built-in unloader and injector - add "UI" to end of part number.

ES Series - Features:

- Triplex plunger pumps
- Patent-pending plunger guide bushing
- Solid ceramic plungers with innovative dual glide system
- Optimized outlet valves
- Exclusive protection chamber between crankcase and manifold
- New dual lip oil seal

ES Series - Solid Shaft - Specifications:

Max. Inlet Pressure125 PSI
 Max. Fluid Temperature165° F
 Inlet Port Thread1/2"-14 BSP-F
 Discharge Port Thread3/8"-19 BSP-F
 Shaft Diameter945 in./24 mm
 Pump Dimensions10.4"x8.8"x5.4"
 Crankcase Oil Capacity.....22.0 oz.
 Use GP Series 100 Oil (see page 55)
 Product Group.....W

NEW SERIES!



ES2212S

ES SERIES - 24 MM SOLID SHAFT							
MODEL	GPM	PSI	RPM	BORE	STROKE	HP	SHP WGHT
ES2212S	4.76 GPM	1,750 PSI	1450 RPM	.866 in./22 mm	.472 in./12 mm	5.6 EBHP	21.0 lbs.
ES2213S	5.55 GPM	1,450 PSI	1450 RPM	.866 in./22 mm	.512 in./13 mm	5.5 EBHP	21.0 lbs.
ES1810S	3.43 GPM	2,465 PSI	1750 RPM	.709 in./18 mm	.394 in./10 mm	5.7 EBHP	21.0 lbs.
ES2010S	3.96 GPM	2,175 PSI	1750 RPM	.787 in./20 mm	.394 in./10 mm	5.8 EBHP	21.0 lbs.
ES2012S	4.76 GPM	1,750 PSI	1750 RPM	.787 in./20 mm	.472 in./12 mm	5.6 EBHP	21.0 lbs.
ES2013S	5.55 GPM	1,450 PSI	1750 RPM	.787 in./20 mm	.512 in./13 mm	5.5 EBHP	21.0 lbs.

ES Series - Solid Shaft - Nickel-Plated Specifications:

Shaft Diameter945 in./24 mm
 Pump Dimensions10.4"x8.8"x5.4"

NEW SERIES!



ESN2212S

ES SERIES - 24 MM SOLID SHAFT - NICKEL-PLATED							
MODEL	GPM	PSI	RPM	BORE	STROKE	HP	SHP WGHT
ESN2212S	4.76 GPM	3,045 PSI	1450 RPM	.866 in./22 mm	.472 in./12 mm	9.8 EBHP	21.0 lbs.
ESN2213S	5.55 GPM	3,045 PSI	1450 RPM	.866 in./22 mm	.512 in./13 mm	11.5 EBHP	21.0 lbs.
ESN1810S	3.43 GPM	3,625 PSI	1750 RPM	.709 in./18 mm	.394 in./10 mm	8.4 EBHP	21.0 lbs.
ESN2010S	3.96 GPM	3,625 PSI	1750 RPM	.787 in./20 mm	.394 in./10 mm	9.7 EBHP	21.0 lbs.
ESN2012S	4.76 GPM	3,625 PSI	1750 RPM	.787 in./20 mm	.472 in./12 mm	11.7 EBHP	21.0 lbs.
ESN2013S	5.55 GPM	3,625 PSI	1750 RPM	.787 in./20 mm	.512 in./13 mm	13.6 EBHP	21.0 lbs.

NEW SERIES!

ES Series - Nickel-Plated - Flanged for Gas Engines Specifications:

Shaft Diameter.....1 in.
 Pump Dimensions10.4"x8.8"x5.4"



ESN1310G

ES SERIES - 1" HOLLOW SHAFT - NICKEL-PLATED, FLANGED FOR GASOLINE ENGINES (SAE J609B)							
MODEL	GPM	PSI	RPM	BORE	STROKE	HP	SHP WGHT
ESN1310G	3.43 GPM	4,000 PSI	3400 RPM	.512 in./13 mm	.394 in./10 mm	9.3 GHP	21.0 lbs.
ESN1313G	3.96 GPM	4,000 PSI	3400 RPM	.512 in./13 mm	.512 in./13 mm	10.7 GHP	21.0 lbs.
ESN1510G	4.49 GPM	3,625 PSI	3400 RPM	.591 in./15 mm	.394 in./10 mm	11.0 GHP	21.0 lbs.
ESN1512G	5.28 GPM	3,625 PSI	3400 RPM	.591 in./15 mm	.472 in./12 mm	13.0 GHP	21.0 lbs.



T991

50 Series - Features:

- Triplex plunger pumps
- Forged brass manifold with an exclusive lifetime warranty
- Solid ceramic plunger design with continuously lubricated packings
- Die-cast, anodized aluminum oil-bath crankcase
- Standard 24 mm solid shaft for pulley mounting
- Flex coupling and bell housing available for direct drive
- Unitized stainless steel inlet and discharge valves
- Ideal for all general cleaning/washing applications

50 Series - Solid Shaft - Specifications:

Max. Inlet Pressure125 PSI
 Max. Fluid Temperature165° F
 Inlet Port Thread1/2"-14 BSP-F
 Discharge Port Thread3/8"-19 BSP-F
 Shaft Diameter945 in./24 mm
 Pump Dimensions.....9.3"x8.3"x5.4"
 Crankcase Oil Capacity.....15.2 oz.
 Use GP Series 8090 Oil (see page 55)
 Product Group.....W

50 SERIES - 24 MM SOLID SHAFT							
MODEL	GPM	PSI	RPM	BORE	STROKE	HP	SHP WGHT
T991	3.5 GPM	1,500 PSI	1450 RPM	.787 in./20 mm	.394 in./10 mm	3.6 EBHP	19.0 lbs.
	4.0 GPM	1,100 PSI	1750 RPM	.787 in./20 mm	.394 in./10 mm	3.0 EBHP	19.0 lbs.
T9951	3.5 GPM	1,500 PSI	1750 RPM	.787 in./20 mm	.335 in./8.5 mm	3.6 EBHP	19.0 lbs.
T9971	4.0 GPM	2,000 PSI	1750 RPM	.787 in./20 mm	.394 in./10 mm	5.5 EBHP	19.0 lbs.
TT9351	3.5 GPM	2,500 PSI	3400 RPM	.591 in./15 mm	.335 in./8.5 mm	6.0 EBHP	19.0 lbs.
T991 With Teflon Packings:							
100648	3.5 GPM	1,500 PSI	1450 RPM	.787 in./20 mm	.394 in./10 mm	3.6 EBHP	19.0 lbs.
T9951 With Teflon Packings:							
100656	3.5 GPM	1,500 PSI	1750 RPM	.787 in./20 mm	.335 in./8.5 mm	3.6 EBHP	19.0 lbs.
Pump With Gearbox							
T991GR	3.5 GPM	1,500 PSI	3400 RPM	.787 in./20 mm	.394 in./10 mm	5.4 EBHP	24.0 lbs.
T9971GR	3.5 GPM	1,500 PSI	3400 RPM	.787 in./20 mm	.394 in./10 mm	7.2 EBHP	24.0 lbs.

47 Series - Brass Manifold - Features:

- Forged brass manifold with an exclusive lifetime warranty
- Large capacity, die-cast aluminum oil-bath crankcase
- Over-sized connecting rods for maximum life
- Heavy-duty tapered roller bearings
- Solid ceramic plungers with continuously lubricated packings
- Unitized SS inlet and discharge valves

47 Series - Brass Manifold - Specifications:

Max. Inlet Pressure125 PSI
 Max. Fluid Temperature165° F
 Inlet Port Thread1/2"-14 BSP-F
 Discharge Port Thread3/8"-19 BSP-F
 Shaft Diameter945 in./24 mm
 Pump Dimensions12.2"x9.2"x6.9"(33.8 oz. versions)
 Pump Dimensions12.6"x9.2"x6.9"(40.6 oz. versions)
 Use GP Series 100 Oil (see page 55)
 Product GroupX

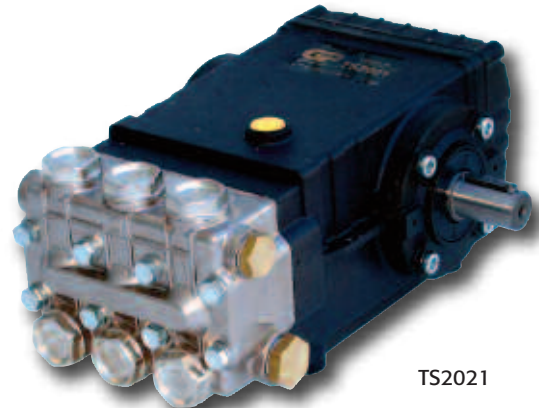


TSS1511

47 SERIES - 24 MM SOLID SHAFT - BRASS MANIFOLD								
MODEL	GPM	PSI	RPM	BORE	STROKE	HP	OIL CAPACITY	SHP WGHT
T921	5.0 GPM	1,700 PSI	1050 RPM	.866 in./22 mm	.630 in./16 mm	5.8 EBHP	33.8 oz.	32.0 lbs.
T1621	5.0 GPM	2,500 PSI	1050 RPM	.866 in./22 mm	.630 in./16 mm	8.6 EBHP	40.6 oz.	32.0 lbs.
TSS1021	4.5 GPM	3,500 PSI	1125 RPM	.787 in./20 mm	.630 in./16 mm	9.2 EBHP	40.6 oz.	32.0 lbs.
	5.6 GPM	1,700 PSI	1450 RPM	.787 in./20 mm	.630 in./16 mm	6.5 EBHP	40.6 oz.	32.0 lbs.
T1011	4.5 GPM	2,000 PSI	1125 RPM	.787 in./20 mm	.630 in./16 mm	6.2 EBHP	33.8 oz.	32.0 lbs.
	5.6 GPM	1,500 PSI	1450 RPM	.787 in./20 mm	.630 in./16 mm	5.8 EBHP	33.8 oz.	32.0 lbs.
T1321	5.5 GPM	2,100 PSI	1150 RPM	.866 in./22 mm	.630 in./16 mm	7.9 EBHP	40.6 oz.	32.0 lbs.
TS1331	3.5 GPM	2,100 PSI	1450 RPM	.787 in./20 mm	.394 in./10 mm	5.0 EBHP	33.8 oz.	32.0 lbs.
	4.0 GPM	2,000 PSI	1750 RPM	.787 in./20 mm	.394 in./10 mm	5.5 EBHP	33.8 oz.	32.0 lbs.
TS1711	3.5 GPM	2,700 PSI	1450 RPM	.787 in./20 mm	.394 in./10 mm	6.5 EBHP	40.6 oz.	32.0 lbs.
TS1011	4.0 GPM	2,000 PSI	1450 RPM	.787 in./20 mm	.472 in./12 mm	5.5 EBHP	33.8 oz.	32.0 lbs.
	4.5 GPM	1,500 PSI	1750 RPM	.787 in./20 mm	.472 in./12 mm	4.9 EBHP	33.8 oz.	32.0 lbs.
TSS1511	4.0 GPM	3,500 PSI	1450 RPM	.787 in./20 mm	.472 in./12 mm	9.6 EBHP	40.6 oz.	32.0 lbs.
TS1321	4.75 GPM	2,100 PSI	1450 RPM	.866 in./22 mm	.472 in./12 mm	6.8 EBHP	40.6 oz.	32.0 lbs.
TS921	4.75 GPM	1,800 PSI	1450 RPM	.866 in./22 mm	.472 in./12 mm	5.9 EBHP	33.8 oz.	32.0 lbs.
TS1811	4.0 GPM	3,500 PSI	1290 RPM	.787 in./20 mm	.551 in./14 mm	9.6 EBHP	40.6 oz.	32.0 lbs.
	4.5 GPM	3,500 PSI	1450 RPM	.787 in./20 mm	.551 in./14 mm	10.8 EBHP	40.6 oz.	32.0 lbs.
	5.0 GPM	3,500 PSI	1610 RPM	.787 in./20 mm	.551 in./14 mm	12.0 EBHP	40.6 oz.	32.0 lbs.

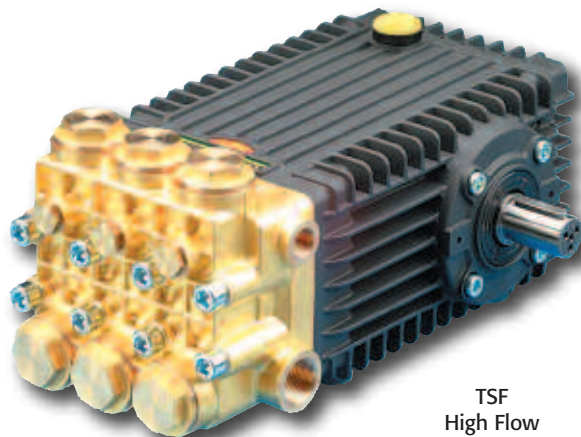
47 Series - Nickel-Plated Manifold - Specifications:

Pump dimensions12.6"x9.2"x6.9"(40.6 oz. versions)
 Use GP Series 100 Oil (see page 55)
 Shaft Diameter945 in./24 mm



TS2021

47 SERIES - 24 MM SOLID SHAFT - NICKEL-PLATED MANIFOLD								
MODEL	GPM	PSI	RPM	BORE	STROKE	HP	OIL CAPACITY	SHP WGHT
TS2021	4.5 GPM	3,500 PSI	1125 RPM	.787 in./20 mm	.630 in./16 mm	10.8 EBHP	40.6 oz.	32.0 lbs.
	5.6 GPM	3,500 PSI	1450 RPM	.787 in./20 mm	.630 in./16 mm	13.4 EBHP	40.6 oz.	32.0 lbs.
TS2011	4.0 GPM	3,500 PSI	1450 RPM	.787 in./20 mm	.472 in./12 mm	9.6 EBHP	40.6 oz.	32.0 lbs.
	4.75 GPM	2,300 PSI	1750 RPM	.787 in./20 mm	.472 in./12 mm	7.5 EBHP	40.6 oz.	32.0 lbs.
TS1621	4.75 GPM	2,500 PSI	1450 RPM	.866 in./22 mm	.472 in./12 mm	8.1 EBHP	40.6 oz.	32.0 lbs.
T9211	4.2 GPM	3,000 PSI	1750 RPM	.787 in./20 mm	.394 in./10 mm	8.2 EBHP	40.6 oz.	32.0 lbs.
T9281	4.0 GPM	4,000 PSI	1750 RPM	.630 in./16 mm	.630 in./16 mm	11.0 EBHP	40.6 oz.	32.0 lbs.
TS2013	5.5 GPM	3,000 PSI	1750 RPM	.787 in./20 mm	.512 in./13 mm	11.3 EBHP	40.6 oz.	32.0 lbs.



TSF
High Flow

66 Series - TSF - Features:

- Oversized roller bearings
- Fully anodized crankcase
- Innovative new seal design extends seal life
- New plunger design improves thermal shock resistance
- New valve cap improves hydrostatic performance

66 Series - TSF - Specifications:

Max. Inlet Pressure125 PSI
 Max. Fluid Temperature165° F
 Inlet Port Thread3/4"-14 BSP-F
 Discharge Port Thread3/8"-19 BSP-F
 Shaft Diameter945 in./24 mm
 Pump Dimensions.....14.94"x9.78"x6.99"
 Crankcase Oil Capacity.....40.6 oz.
 Use GP Series 100 Oil (see page 55)
 Product GroupX

66 SERIES - TSF - HIGH FLOW - 24 MM SOLID SHAFT							
MODEL	GPM	PSI	RPM	BORE	STROKE	HP	SHP WGHT
TSF2019	6.3 GPM	3,600 PSI	1450 RPM	.787 in./20 mm	.748 in./19 mm	15.5 EBHP	40.7 lbs.
	7.6 GPM	3,600 PSI	1750 RPM	.787 in./20 mm	.748 in./19 mm	18.7 EBHP	40.7 lbs.
TSF2021	7.0 GPM	3,600 PSI	1450 RPM	.787 in./20 mm	.826 in./21 mm	17.3 EBHP	40.7 lbs.
	8.8 GPM	3,600 PSI	1750 RPM	.787 in./20 mm	.826 in./21 mm	21.0 EBHP	40.7 lbs.
TSF2219	7.7 GPM	3,000 PSI	1450 RPM	.866 in./22 mm	.748 in./19 mm	15.8 EBHP	40.7 lbs.
	9.3 GPM	3,000 PSI	1750 RPM	.866 in./22 mm	.748 in./19 mm	19.1 EBHP	40.7 lbs.
TSF2221	8.5 GPM	3,000 PSI	1450 RPM	.866 in./22 mm	.826 in./21 mm	17.5 EBHP	40.7 lbs.
	10.2 GPM	3,000 PSI	1750 RPM	.866 in./22 mm	.826 in./21 mm	21.0 EBHP	40.7 lbs.
TSF2421	10.0 GPM	3,000 PSI	1450 RPM	.945 in./24 mm	.826 in./21 mm	17.1 EBHP	40.7 lbs.
	12.0 GPM	2,500 PSI	1750 RPM	.945 in./24 mm	.826 in./21 mm	20.5 EBHP	40.7 lbs.
TSF2819	12.1 GPM	2,200 PSI	1450 RPM	1,102 in./18 mm	.748 in./19 mm	18.2 EBHP	40.7 lbs.
TSF1819	6.3 GPM	4,350 PSI	1750 RPM	.709 in./18 mm	.748 in./19 mm	18.8 EBHP	40.7 lbs.
DUAL SHAFT							
TSF2019DS	7.6 GPM	3,600 PSI	1750 RPM	.787 in./20 mm	.748 in./19 mm	15.5 EBHP	40.7 lbs.



TSP
High Pressure

66 Series - TSP - Features:

- Oversized roller bearings
- Compact, high pressure
- Fully anodized crankcase
- Innovative new seal design extends seal life
- New plunger design improves thermal shock resistance
- New valve cap improves hydrostatic performance

66 Series - TSP - Specifications:

Max. Inlet Pressure125 PSI
 Max. Fluid Temperature165° F
 Inlet Port Thread1/2"-14 BSP-F
 Discharge Port Thread3/8"-19 BSP-F
 Shaft Diameter945 in./24 mm
 Pump Dimensions.....13.84"x9.8"x7.7"
 Minimum Inlet Pressure30 PSI
 Crankcase Oil Capacity.....40.6 oz.
 Use GP Series 100 Oil (see page 55)
 Product GroupX

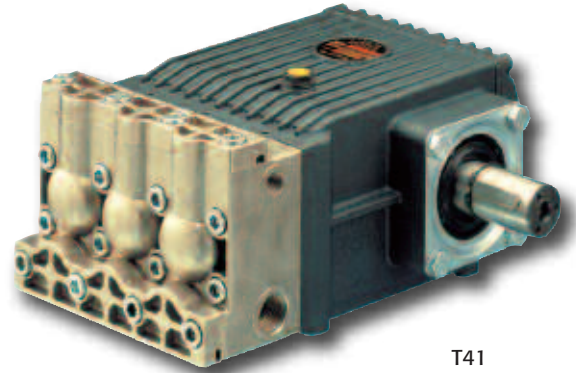
66 SERIES - TSP - HIGH PRESSURE - 24 MM SOLID SHAFT							
MODEL	GPM	PSI	RPM	BORE	STROKE	HP	SHP WGHT
TSP1619	3.6 GPM	7,250 PSI	1450 RPM	.629 in./16 mm	.748 in./19 mm	17.8 EBHP	51.8 lbs.
	4.3 GPM	5,800 PSI	1750 RPM	.629 in./16 mm	.748 in./19 mm	17.0 EBHP	51.8 lbs.
TSP1621	4.3 GPM	6,525 PSI	1450 RPM	.629 in./16 mm	.826 in./21 mm	17.2 EBHP	51.8 lbs.
TSP1819	5.0 GPM	5,100 PSI	1450 RPM	.709 in./18 mm	.748 in./19 mm	17.5 EBHP	51.8 lbs.
TSP1821	5.5 GPM	5,100 PSI	1450 RPM	.709 in./18 mm	.826 in./21 mm	19.2 EBHP	51.8 lbs.
NICKEL-PLATED							
TSP1621N	4.3 GPM	7,250 PSI	1450 RPM	.629 in./16 mm	.826 in./21 mm	21.4 EBHP	51.8 lbs.

69 Series - Solid Shaft - Features:

- Triplex plunger pump, solid shaft
- The industry's choice for high flow applications
- Forged brass manifold with an exclusive lifetime warranty
- Large-capacity, die-cast anodized aluminum, oil-bath crankcase
- Over-sized connecting rods for maximum life
- Heavy-duty tapered roller bearings
- Unitized SS inlet and discharge valves
- Solid ceramic plungers with continuously lubricated packings

69 Series - Solid Shaft - Specifications:

Max. Inlet Pressure125 PSI
 Max. Fluid Temperature165° F
 Inlet Port Thread3/4"-14 BSP-F
 Discharge Port Thread3/8"-19 BSP-F
 Shaft Diameter.....1.378 in./35 mm
 Pump Dimensions.....12.9"x11.9"x7.3"
 Crankcase Oil Capacity.....50.7 oz.
 Use GP Series 100 Oil (see page 55)
 Product GroupY



T41

69 SERIES - 35 MM SOLID SHAFT							
MODEL	GPM	PSI	RPM	BORE	STROKE	HP	SHP WGHT
T41	12.0 GPM	900 PSI	650 RPM	1.417 in./36 mm	.845 in./24 mm	7.4 EBHP	37.0 lbs.
TS1531	7.92 GPM	2,175 PSI	1450 RPM	.787 in./20 mm	.866 in./22 mm	11.8 EBHP	46.0 lbs.
TS1041	8.0 GPM	1,600 PSI	1450 RPM	.787 in./20 mm	.866 in./22 mm	8.8 EBHP	46.0 lbs.



T1631

48 Series - Solid Shaft - Features:

- Sixplex plunger pump, solid shaft
- Forged brass manifold with an exclusive lifetime warranty
- Dual manifolds utilizing a common crankcase for efficient performance
- Perfect for high flow applications
- Unitized Stainless Steel inlet and discharge valves
- Solid ceramic plungers with continuously lubricated packings

48 Series - Solid Shaft - Specifications:

Max. Inlet Pressure125 PSI
 Max. Fluid Temperature165° F
 Inlet Port ThreadDual 3/4"-14 BSP-F
 Discharge Port ThreadDual 3/8"-19 BSP-F
 Shaft Diameter1.26 in./32 mm
 Pump Dimensions.....16.1"x11.2"x7.9"
 Crankcase Oil Capacity.....54.0 oz.
 Use GP Series 100 Oil (see page 55)
 Product GroupY

48 SERIES - SOLID SHAFT - 32 MM SOLID SHAFT							
MODEL	GPM	PSI	RPM	BORE	STROKE	HP	SHP WGHT
T1631	10.0 GPM	2,500 PSI	1080 RPM	.866 in./22 mm	.630 in./16 mm	15.1 EBHP	61.0 lbs.
	9.0 GPM	3,000 PSI	1140 RPM	.787 in./20 mm	.630 in./16 mm	18.5 EBHP	61.0 lbs.
T2031	11.0 GPM	2,000 PSI	1450 RPM	.787 in./20 mm	.630 in./16 mm	17.1 EBHP	61.0 lbs.

AT0033 - Splined Shaft Features:

- Duplex plunger pump, splined shaft
- Ideal for agricultural applications
- Aluminum manifold
- Solid ceramic plungers with continuously lubricated packings

AT0033 - Splined Shaft - Specifications:

Max. Inlet Pressure125 PSI
 Max. Fluid Temperature165° F
 Inlet Port Thread3/4"-14 BSP-F
 Discharge Port Thread3/8"-19 BSP-F
 Shaft Diameter1.375 in./34.9 mm ASAE
 Pump Dimensions12"x9"x7.3"
 Crankcase Oil Capacity.....22.0 oz.
 Use GP Series 100 Oil (see page 55)
 Product GroupY



AT0033

(All splined shaft pumps require additional components to attach to PTO systems).

AT SERIES AT0033 - 1-3/8" SPLINED SHAFT							
MODEL	GPM	PSI	RPM	BORE	STROKE	HP	SHP WGHT
AT0033	7.93 GPM	435 PSI	650 RPM	1.417 in./36 mm	.945 in./240 mm	2.4 EBHP	28.0 lbs.

AT0055 - Features:

- Triplex plunger pump, splined shaft
- Aluminum or forged brass manifold
- Large-capacity, die-cast anodized aluminum, oil-bath crankcase
- Over-sized connecting rods for maximum life
- Heavy-duty tapered roller bearing
- Unitized SS inlet and discharge valves
- Solid ceramic plungers with continuously lubricated packings

AT0055 - Specifications:

Shaft Diameter1.375 in./34.9 mm ASAE
 Pump Dimensions13"x14"x7.5"
 Crankcase Oil Capacity.....51.0 oz.
 Use GP Series 100 Oil (see page 55)
 Product GroupX



AT0055

AT SERIES AT0055 - 1-3/8" SPLINED AND 35 MM SOLID SHAFT							
MODEL	GPM	PSI	RPM	BORE	STROKE	HP	SHP WGHT
Single PTO Shaft, Right Side							
AT0055	13.22 GPM	725 PSI	650 RPM	1.417 in./36 mm	.945 in./24 mm	6.6 EBHP	36.0 lbs.
Dual Shaft, Splined PTO on Right, Solid Shaft on Left Side:							
AT0055DS	13.22 GPM	725 PSI	650 RPM	1.417 in./36 mm	.945 in./24 mm	6.6 EBHP	36.0 lbs.
Dual Shaft, Solid Shaft on Right, Splined PTO on Left Side:							
AT0055DSL	13.22 GPM	725 PSI	650 RPM	1.417 in./36 mm	.945 in./24 mm	6.6 EBHP	36.0 lbs.

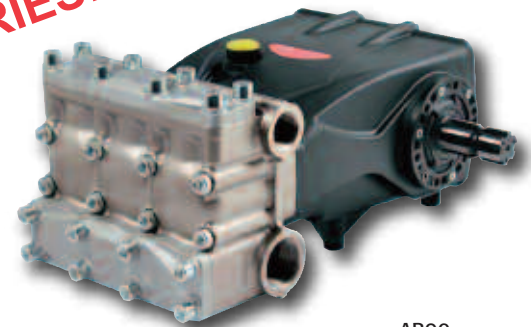
AB Series Features:

- Triplex plunger pump, splined shaft
- Specifically designed for the agriculture market
- New optimized inlet and outlet valves
- Solid ceramic plungers
- New dual lip oil seal

AB Series Specification:

Max. Inlet Pressure45 PSI
 Max. Fluid Temperature165° F
 Inlet Port Thread1-1/2" BSP
 Discharge Port Thread1" BSP
 Shaft Diameter1.375 in./34.9 mm ASAE
 Pump Dimensions17.48"x17"x8.29"
 Crankcase Oil Capacity.....77.8 oz.
 Use GP Series 100 Oil (see page 55)
 Product GroupX

NEW SERIES!



AB90

AB SERIES - 1-3/8" SPLINED SHAFT							
MODEL	GPM	PSI	RPM	BORE	STROKE	HP	SHP WGHT
AB90	23.9 GPM	870 PSI	650 RPM	1.42 in./36 mm	1.78 in./45 mm	14.0 GP	90.4 lbs.
AB120	31.7 GPM	870 PSI	550 RPM	1.78 in./45 mm	1.78 in./45 mm	18.7 HP	90.4 lbs.
AB180	47.6 GPM	870 PSI	650 RPM	1.97 in./50 mm	1.78 in./45 mm	28.1 HP	90.4 lbs.

EMPEROR PUMPS



Automotive

- Municipal vehicle maintenance
- Bug and tar removal
- General exterior cleaning

Self-service wash

- Single or multi-bay applications
- Spot-free rinse application
- Chemical application
- Pre-soak/tire-motor cleaner
- Foam brush
- Reclaim water
- Weep systems

Automatic wash

- Roll-over automatic
- Spot-free rinse applications
- Pre-soak systems
- Weep systems
- Foam applications

Tunnel Wash

- Prep Station
- Brush wetting
- Detergent application
- Spot-free rinse applications
- Bay wash-down

Mobile vehicle wash

- Truck mounted wash units
- Spot-free rinse applications

Household cleaning

- Carpet cleaning

Household exterior cleaning

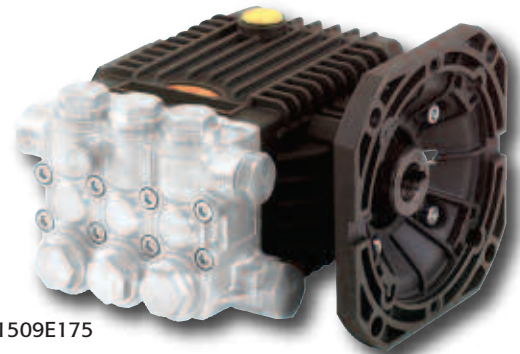
- Mildew removal
- Storm cleanup
- Pool decks
- Gutter cleaning

Contract cleaning

- Building exterior cleaning
- Sidewalk cleaning
- Driveway cleaning
- Deck cleaning
- Restaurant kitchen cleaning
- Hood and duct cleaning
- Mobile vehicle wash
- Ice abatement
- Wet sandblasting
- General Cleaning

HTC Series 60HT - Features:

- Triplex plunger pump
- Features patented "high tech" packings
- Patented inlet/outlet valve cage
- Nickel-plated inlet/outlet valve plugs
- Nickel-plated forged brass manifold with exclusive lifetime warranty
- Specially designed to handle rigorous duty cycles, high temperatures and chemicals
- Ideal for use in carpet cleaning and other high pressure cleaning applications



HTC1509E175

HTC Series 60HT - Specifications:

Max. Inlet Pressure125 PSI
 Max. Fluid Temperature185° F
 Inlet Port Thread1/2"-14 BSP-F
 Discharge Port Thread3/8"-19 BSP-F
 Pump Dimensions.....7.8"x7.3"x5.5"
 Crankcase Oil Capacity.....11.8 oz.
 Use GP Series 100 Oil (see page 55)
 Product GroupX



HTC1506S17

HTC SERIES 60HT - (.945 IN.) 24 MM SOLID SHAFT							
MODEL	GPM	PSI	RPM	BORE	STROKE	HP	SHP WGHT
HTC1506S17	1.35 GPM	2,200 PSI	1750 RPM	.591 in./15 mm	.236 in./6 mm	2.0 HP	16.0 lbs.
HTC1509S17	2.1 GPM	2,200 PSI	1750 RPM	.591 in./15 mm	.370 in./9.4 mm	3.5 HP	16.0 lbs.
HTC1511S17	2.6 GPM	2,200 PSI	1750 RPM	.591 in./15 mm	.453 in./11.5 mm	4.0 HP	16.0 lbs.

HTC SERIES 60HT - 5/8 (.625 IN.) HOLLOW SHAFT							
MODEL	GPM	PSI	RPM	BORE	STROKE	HP	SHP WGHT
HTC1509E175	2.1 GPM	2,200 PSI	1750 RPM	.591 in./15 mm	.370 in./9.4 mm	3.5 HP	16.0 lbs.
HTC1515E345	2.1 GPM	2,200 PSI	3400 RPM	.591 in./15 mm	.197 in./5 mm	3.5 HP	16.0 lbs.

HTXS Series 63 HT - Features:

- Triplex plunger pump
- Features patented "high tech" packings
- Patented inlet/outlet valve cage
- Nickel-plated inlet/outlet valve plugs
- Nickel-plated forged brass manifold with exclusive lifetime warranty
- Specially designed to handle rigorous duty cycles, high temperatures and chemicals
- Ideal for use in carpet cleaning and other high pressure cleaning applications



HTXS1810S

HTXS Series 63 HT - Specifications:

Max. Inlet Pressure125 PSI
 Max. Fluid Temperature185° F
 Inlet Port Thread1/2"-14 BSP-F
 Discharge Port Thread3/8"-19 BSP-F
 Shaft Diameter945 in./24 mm
 Pump Dimensions.....8.4"x8.3"x4.8"
 Dimensions With Rails8.4"x8.3"x5.6"
 Crankcase Oil Capacity.....14.0 oz.
 Use GP Series 100 Oil (see page 55)
 Product GroupX

HTXS SERIES 63HT - (.945 IN.) 24 MM SOLID SHAFT							
MODEL	GPM	PSI	RPM	BORE	STROKE	HP	SHP WGHT
HTXS1813S	3.5 GPM	2,500 PSI	1450 RPM	.709 in./18 mm	.512 in./13 mm	6 HP	18 lbs.
HTXS1810S	3.1 GPM	2,000 PSI	1750 RPM	.709 in./18 mm	.394 in./10 mm	4.2 HP	18 lbs.
HTXS1812S	3.8 GPM	2,000 PSI	1750 RPM	.709 in./18 mm	.472 in./12 mm	5.2 HP	18 lbs.

EMPEROR SERIES UP TO 12.0 GPM



HTS2210S

HTS Series 47HT - Features:

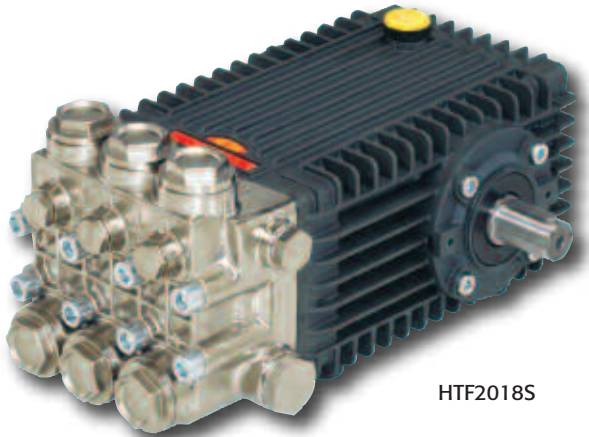
- Triplex plunger pump
- Features patented "high tech" packings
- Patented inlet/outlet valve cage
- Nickel-plated inlet/outlet valve plugs
- Nickel-plated forged brass manifold with exclusive lifetime warranty
- Specially designed to handle rigorous duty cycles, high temperatures and chemicals
- Ideal for use in carpet cleaning and other high pressure cleaning applications

HTS Series 47HT - Specifications:

Max. Inlet Pressure125 PSI
 Max. Fluid Temperature185° F
 Inlet Port Thread1/2"-14 BSP-F
 Discharge Port Thread3/8"-19 BSP-F
 Shaft Diameter945 in./24 mm
 Pump Dimensions12.2"x9.2"x9.9"
 Dimensions With Rails12.4x10x6.9"
 Crankcase Oil Capacity.....40.6 oz.
 Use GP Series 100 Oil (see page 55)
 Product GroupX

HTS SERIES 47HT - 22 MM SOLID SHAFT

MODEL	GPM	PSI	RPM	BORE	STROKE	HP	SHP WGHT
HTS2215S	4.0 GPM	2,300 PSI	950 RPM	.866 in./22 mm	.591 in./15 mm	6.3 HP	32.0 lbs.
	5.0 GPM	2,300 PSI	1200 RPM	.866 in./22 mm	.591 in./15 mm	7.5 HP	32.0 lbs.
HTS2210S	4.0 GPM	2,300 PSI	1450 RPM	.866 in./22 mm	.394 in./10 mm	6.3 HP	32.0 lbs.
HTS2212S	4.75 GPM	2,300 PSI	1450 RPM	.866 in./22 mm	.472 in./12 mm	7.5 HP	32.0 lbs.
HTS2016S	5.6 GPM	3,000 PSI	1450 RPM	.787 in./20 mm	.630 in./16 mm	11.5 HP	32.0 lbs.



HTF2018S

HTF Series 66HT - Features:

- Triplex plunger pump
- Patented inlet/outlet valve cage
- Nickel-plated inlet/outlet valve plugs
- Nickel-plated forged brass manifold with exclusive lifetime warranty
- Designed for use in prep units, conveyor and multiple gun applications
- Ideal for use in carpet cleaning and for use in industrial plant systems where hot water is required

HTF Series 66HT - Specifications:

Max. Inlet Pressure125 PSI
 Max. Fluid Temperature185° F
 Inlet Port Thread3/4"-14 BSP-F
 Discharge Port Thread3/8"-19 BSP-F
 Shaft Diameter945 in./24 mm
 Pump Dimensions13.27"x9.6"x6.23"
 Dimensions With Rails13.4x9.8x7.5"
 Crankcase Oil Capacity.....40.6 oz.
 Use GP Series 100 Oil (see page 55)
 Product GroupX

HTF SERIES 66HT - 24 MM SOLID SHAFT

MODEL	GPM	PSI	RPM	BORE	STROKE	HP	SHP WGHT
HTF2018S	7.5 GPM	3,600 PSI	1750 RPM	.787 in./20 mm	.748 in./18 mm	18.5 HP	41.0 lbs.
HTF2221S	10.2 GPM	3,000 PSI	1750 RPM	.866 in./22 mm	.826 in./21 mm	21.0 HP	41.0 lbs.
	10.0 GPM	3,000 PSI	1450 RPM	.945 in./24 mm	.826 in./21 mm	20.5 HP	41.0 lbs.
HTF2421S	12.0 GPM	2,500 PSI	1750 RPM	.945 in./24 mm	.826 in./21 mm	20.5 HP	41.0 lbs.

HTW Series 69HT - Features:

- Triplex plunger pump
- Includes all Emperor features
- Designed for touchless carwash systems, and multiple gun applications
- Ideal for use in carpet cleaning and other industrial plant systems where hot water is required

HTC Series 60HT - Specifications:

Max. Inlet Pressure125 PSI
 Max. Fluid Temperature185° F
 Inlet Port Thread1"-11 BSP-F
 Discharge Port Thread.....3/4"-14 BSP-F
 Shaft Diameter1.378 in./35 mm
 Pump Dimensions13"x11.9"x7.3"
 Crankcase Oil Capacity.....50.7 oz.
 Use GP Series 100 Oil (see page 55)
 Product GroupX



HTW3624S

HTW SERIES 69HT - 35 MM SOLID SHAFT							
MODEL	GPM	PSI	RPM	BORE	STROKE	HP	SHP WGHT
HTW3624S	18.0 GPM	1,200 PSI	1000 RPM	1.417 in./36 mm	.946 in./24 mm	19.5 HP	57.0 lbs.

HTCK Series 70HT - Features:

- Triplex plunger pump
- Includes all Emperor features
- Designed for rollover carwash systems
- Ideal for use in carpet cleaning and other industrial plant systems where hot water is required

HTCK Series 70HT - Specifications:

Max. Inlet Pressure125 PSI
 Max. Fluid Temperature185° F
 Inlet Port Thread1"NPT-F
 Discharge Port Thread.....1/2" NPT-F
 Shaft Diameter1.181 in./30 mm
 Pump Dimensions.....15.3"x13.4"x7.7"
 Crankcase Oil Capacity.....64.2 oz.
 Use GP Series 220 Oil (see page 55)
 Product GroupX



HTCK3623S

HTCK SERIES 70HT - 30 MM SOLID SHAFT							
MODEL	GPM	PSI	RPM	BORE	STROKE	HP	SHP WGHT
HTCK3623S	18.0 GPM	1,500 PSI	1000 RPM	1.4 in./36 mm	.9 in./23 mm	18.5 HP	79.6 lbs.
	21.0 GPM	1,500 PSI	1150 RPM	1.4 in./36 mm	.9 in./23 mm	22.0 HP	79.6 lbs.
	25.0 GPM	1,300 PSI	1350 RPM	1.4 in./36 mm	.9 in./23 mm	25.6 HP	79.6 lbs.

HTCK Series 71HT - Features:

- Triplex plunger pump
- Includes all Emperor features
- Designed for touchless carwash systems, and multiple gun applications
- Ideal for use in carpet cleaning and other industrial plant systems where hot water is required

HTCK Series 71HT - Specifications:

Max. Inlet Pressure125 PSI
 Max. Fluid Temperature185° F
 Inlet Port Thread1-1/2"NPT-F
 Discharge Port Thread.....1" NPT-F
 Shaft Diameter1.575 in./40 mm
 Pump Dimensions20.7.3"x14.5"x9.9"
 Crankcase Oil Capacity124.4 oz.
 Use GP Series 220 Oil (see page 55)
 Product GroupX

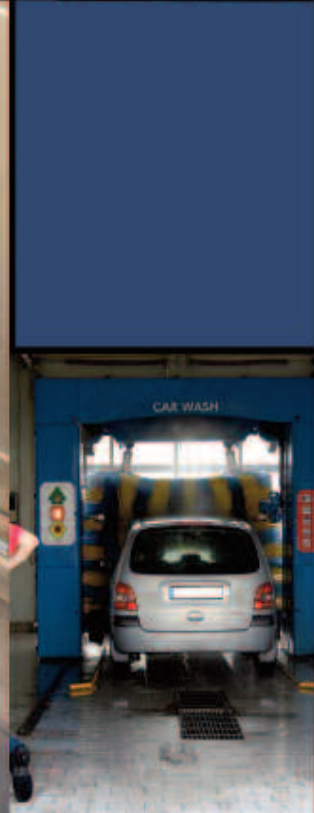
Designed as a direct replacement for Cat's 3535 with the advantage of GP's Emperor HT technology!



HTCK4050S

HTCK SERIES 71HT - 40 MM SOLID SHAFT							
MODEL	GPM	PSI	RPM	BORE	STROKE	HP	SHP WGHT
HTCK4050S	40.0 GPM	1,500 PSI	800 RPM	1.6 in./40 mm	1.9 in./50 mm	41.1 HP	157.0 lbs.
	45.0 GPM	1,500 PSI	900 RPM	1.6 in./40 mm	1.9 in./50 mm	46.2 HP	157.0 lbs.

VEHICLE & CARPET CLEANING APPLICATIONS



Self-service wash

- Single or multi-bay applications
- Spot-free rinse application
- Chemical application
- Pre-soak/tire-motor cleaner
- Foam brush
- Reclaim water
- Weep systems

Automatic wash

- Roll-over automatic
- Spot-free rinse applications
- Pre-soak systems
- Weep systems
- Foam applications

Tunnel Wash

- Prep Station
- Brush wetting
- Detergent application
- Spot-free rinse applications
- Bay wash-down

Mobile vehicle wash

- Truck mounted wash units
- Spot-free rinse applications

Carpet cleaning

HTXS Series - 63HT - Features:

- Triplex plunger pump
- Features patented "high tech" packings
- Patented inlet/outlet valve cage
- Nickel-plated forged brass manifold with exclusive lifetime warranty
- Specifically designed to handle rigorous duty cycles, high temperatures and chemicals associated with self-service car wash applications
- Compact and economical design



HTXS1810S

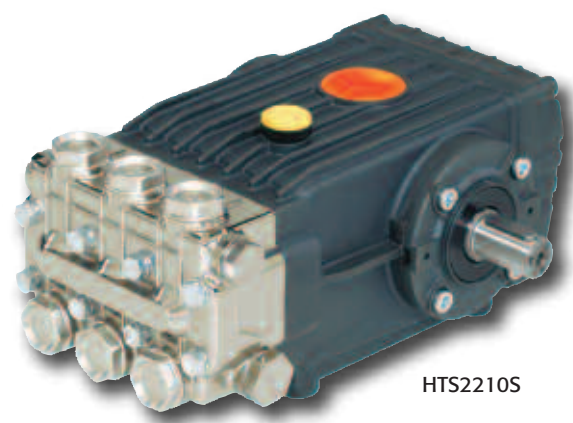
HTXS Series - 63HT - Specifications:

Max. Inlet Pressure125 PSI
 Max. Fluid Temperature185° F
 Inlet Port Thread1/2"-14 BSP-F
 Discharge Port Thread3/8"-19 BSP-F
 Shaft Diameter945 in./24 mm
 Pump Dimensions8.4"x8.3"x4.8"
 Dimensions With Rails8.4"x8.3"x5.6"
 Crankcase Oil Capacity14.0 oz.
 Use GP Series 100 Oil (see page 55)
 Product GroupX

HTXS SERIES 63HT - 24 MM SOLID SHAFT							
MODEL	GPM	PSI	RPM	BORE	STROKE	HP	SHP WGHT
HTXS1810S	3.1 GPM	2,000 PSI	1750 RPM	.709 in./18 mm	.394 in./10 mm	4.2 HP	18.0 lbs.
HTXS1812S	3.8 GPM	2,000 PSI	1750 RPM	.709 in./18 mm	.472 in./12 mm	5.2 HP	18.0 lbs.
HTXS1813S	3.5 GPM	2,500 PSI	1450 RPM	.709 in./18 mm	.512 in./13 mm	6.0 HP	18.0 lbs.

HTS Series - 47HT - Features:

- Triplex plunger pump
- Features patented "high tech" packings
- Patented inlet/outlet valve cage
- Nickel-plated forged brass manifold with exclusive lifetime warranty
- Specifically designed to handle rigorous duty cycles, high temperatures and chemicals associated with self-service car wash applications



HTS2210S

HTS Series - 47HT - Specifications:

Max. Inlet Pressure125 PSI
 Max. Fluid Temperature185° F
 Inlet Port Thread1/2"-14 BSP-F
 Discharge Port Thread3/8"-19 BSP-F
 Shaft Diameter945 in./24 mm
 Pump Dimensions12.2"x9.2"x6.9"
 Dimensions With Rails12.4"x10"x6.9"
 Crankcase Oil Capacity40.6 oz.
 Use GP Series 100 Oil (see page 55)
 Product GroupX

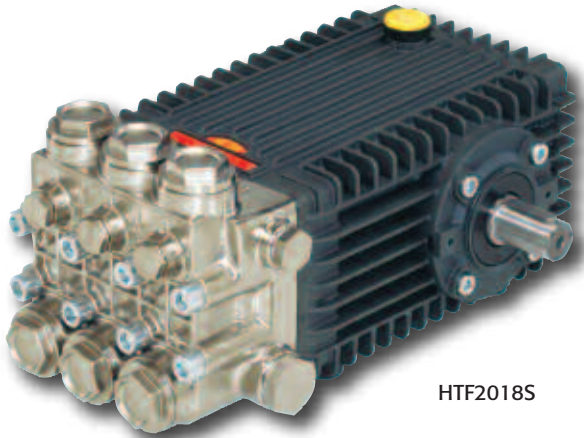
HTS SERIES 47HT - 24 MM SOLID SHAFT							
MODEL	GPM	PSI	RPM	BORE	STROKE	HP	SHP WGHT
HTS2210S	4.0 GPM	2,300 PSI	1450 RPM	.866 in./22 mm	.394 in./10 mm	6.3 HP	32.0 lbs.
HTS2212S	4.75 GPM	2,300 PSI	1450 RPM	.866 in./22 mm	.472 in./12 mm	7.5 HP	32.0 lbs.
HTS2215S	4.0 GPM	2,300 PSI	950 RPM	.866 in./22 mm	.591 in./15 mm	6.3 HP	32.0 lbs.
	5.0 GPM	2,300 PSI	1200 RPM	.866 in./22 mm	.591 in./15 mm	7.5 HP	32.0 lbs.
HTS2016S	5.6 GPM	3,000 PSI	1450 RPM	.787 in./20 mm	.630 in./16 mm	11.5 HP	32.0 lbs.

See pages 29-33 for Vehicle Cleaning Accessories.

All car wash pumps are covered under warranty for damage caused by fresh water wash-out for the life of the pump.

EMPEROR SERIES

UP TO 18.0 GPM



HTF2018S

HTF Series 66HT - Features:

- Triplex plunger pump
- Features patented "high tech" packings
- Patented inlet/outlet valve cage
- Nickel-plated inlet/outlet valve plugs
- Nickel-plated forged brass manifold with exclusive lifetime warranty
- Specially designed for use in prep units, conveyor and multiple gun applications
- Ideal for use in carpet cleaning and for use in industrial plant systems where hot water is required

HTF Series 66HT - Specifications:

Max. Inlet Pressure125 PSI
 Max. Fluid Temperature185° F
 Inlet Port Thread3/4"-14 BSP-F
 Discharge Port Thread3/8"-19 BSP-F
 Shaft Diameter945 in./24 mm
 Pump Dimensions13.27"x9.6"x6.23"
 Dimensions With Rails13.4x9.8x7.5"
 Crankcase Oil Capacity.....40.6 oz.
 Use GP Series 100 Oil (see page 55)
 Product GroupX

HTF SERIES 66HT - 24 MM SOLID SHAFT

MODEL	GPM	PSI	RPM	BORE	STROKE	HP	SHP WGHT
HTF2421S	10.0 GPM	3,000 PSI	1450 RPM	.945 in./24 mm	.826 in./21 mm	20.5 GP	41.0 lbs.
	12.0 GPM	2,500 PSI	1750 RM	.945 in./24 mm	.826 in./21 mm	20.5 GP	41.0 lbs.
HTF2018S	7.5 GPM	3,600 PSI	1750 RPM	.787 in./20 mm	.748 in./18 mm	18.5 HP	41.0 lbs.
HTF2221S	10.2 GPM	3,000 PSI	1750 RPM	.866 in./22 mm	.826 in./21 mm	21.0 HP	41.0 lbs.



HTW3624S

HTW Series 69HT - Features:

- Triplex plunger pump
- Features patented "high tech" packings
- Patented inlet/outlet valve cage
- Nickel-plated inlet/outlet valve plugs
- Nickel-plated forged brass manifold with exclusive lifetime warranty
- Specially designed for use in prep units, conveyor and multiple gun applications
- Ideal for use in carpet cleaning and for use in industrial plant systems where hot water is required

HTW Series 69HT - Specifications:

Max. Inlet Pressure125 PSI
 Max. Fluid Temperature185° F
 Inlet Port Thread1"-14 BSP-F
 Discharge Port Thread.....3/4"-19 BSP-F
 Shaft Diameter1.378 in./35 mm
 Pump Dimensions.....13.11"x11.9"x6.23"
 Dimensions With Rails13.4x9.8x7.3"
 Crankcase Oil Capacity.....50.7 oz.
 Use GP Series 100 Oil (see page 55)
 Product GroupX

HTW SERIES 69HT - 35 MM SOLID SHAFT

MODEL	GPM	PSI	RPM	BORE	STROKE	HP	SHP WGHT
HTW3624S	18.0 GPM	1,200 PSI	1000 RPM	.1417 in./36 mm	.946 in./24 mm	19.5 HP	57.0 lbs.

See pages 29-33 for Vehicle Cleaning Accessories.

All car wash pumps are covered under warranty for damage caused by fresh water wash-out for the life of the pump.

EMPEROR SERIES

HTCK Series - 70HT - Features:

- Triplex plunger pump
- Features patented "high tech" packings
- Patented inlet/outlet valve cage
- Nickel-plated inlet/outlet valve plugs
- Nickel-plated forged brass manifold with exclusive lifetime warranty
- Heavy-duty tapered roller bearings
- Specifically designed to handle rigorous duty cycles, high temperatures and chemicals
- Ideal for use in car wash and other high pressure cleaning applications

HTXS Series - 63HT - Specifications:

Max. Inlet Pressure125 PSI
 Max. Fluid Temperature185° F
 Inlet Port Thread1" NPT-F
 Discharge Port Thread1/2" NPT-F
 Shaft Diameter1.181 in./30 mm
 Pump Dimensions15.3"x13.4"x7.7"
 Crankcase Oil Capacity64.2 oz.
 Use GP Series 220 Oil (see page 55)
 Product GroupX



HTCK3623S

HTCK SERIES 70HT - 30 MM SOLID SHAFT							
MODEL	GPM	PSI	RPM	BORE	STROKE	HP	SHP WGHT
HTCK3623S	18.0 GPM	1,500 PSI	1000 RPM	1.4 in./36 mm	.9 in./23 mm	18.5 HP	79.6 lbs
	21.0 GPM	1,500 PSI	1150 RPM	1.4 in./36 mm	.9 in./23 mm	22.0 HP	79.6 lbs
	25.0 GPM	1,300 PSI	1350 RPM	1.4 in./36 mm	.9 in./23 mm	25.6 HP	79.6 lbs
Rail Kits:							
HT125RCK							
HT125CW - Converts - CW Pumps							
510227 Inlet Fitting Hose Barb, 1" NPT-M x 1-1/2" Hose Barb, Brass							

HTCK Series - 71HT - Features:

- Triplex plunger pump
- Features patented "high tech" packings
- Patented inlet/outlet valve cage
- Nickel-plated inlet/outlet valve plugs
- Nickel-plated forged brass manifold with exclusive lifetime warranty
- Heavy-duty tapered roller bearings
- Specifically designed to handle rigorous duty cycles, high temperatures and chemicals
- Ideal for use in car wash and other high pressure cleaning applications
- Designed as a direct replacement for Cat's 3535 with the advantage of GP's patented HT technology

HTCK Series - 71HT - Specifications:

Max. Inlet Pressure125 PSI
 Max. Fluid Temperature185° F
 Inlet Port Thread1-1/2" NPT-F
 Discharge Port Thread1" -F
 Shaft Diameter1.575 in./40 mm
 Pump Dimensions20.7"x14.5"x9.9"
 Crankcase Oil Capacity124.4 oz.
 Use GP Series 220 Oil (see page 55)
 Product GroupX



HTCK4050S

HTCK SERIES 71HT - 40 MM SOLID SHAFT							
MODEL	GPM	PSI	RPM	BORE	STROKE	HP	SHP WGHT
HTCK4050S*	40.0 GPM	1,500 PSI	800 RPM	1.6 in./40 mm	1.9 in./50 mm	41.1 HP	157.0 lbs.
	45.0 GPM	1,500 PSI	900 RPM	1.6 in./40 mm	1.9 in./50 mm	46.2 HP	157.0 lbs.
Rail Kits:							
HT150RCK - Converts Cat 3535							
HT150CWL - Converts CW1541 - Long Pump Stand							
HT150CWS - Converts CW1541 - Short Pump Stand							
638295	1" NPT Plug, 3,000 PSI, 304 SS						
638298	1-1/2" NPT Plug, 150 PSI, 304 SS						
203411	Bolts for Pump						
510476	Inlet Fitting Hose Barb, 1-1/2" NPT-M x 2" Hose Barb, Brass						

See pages 29-33 for Vehicle Cleaning Accessories.

All car wash pumps are covered under warranty for damage caused by fresh water wash-out for the life of the pump.



CW2040

CW 47 Series - Features:

- Forged brass manifold with an exclusive lifetime warranty
- The preferred pump frame in the car wash self-service industry
- Dual crankshaft for convenience (CW2040)
- Large-capacity, die-cast, anodized aluminum oil-bath crankcase
- Oversized connecting rods for maximum life
- Solid ceramic plungers with continuously lubricated packings
- Unitized SS inlet and discharge valves

CW 47 Series - Specifications:

Max. Inlet Pressure125 PSI
 Max. Fluid Temperature165° F
 Inlet Port Thread.....1/2"-14 BSP-F
 Discharge Port Thread3/8"-19 BSP-F
 Shaft Diameter.....945 in./24 mm (dual shaft)
 Pump Dimensions.....11.4"x9.6"x6.23"
 Dimensions With Rails.....13.4x10.8x6.9"
 Crankcase Oil Capacity.....33.8 oz.
 Use GP Series 100 Oil (see page 55)
 Product GroupX

CW 47 SERIES - 24 MM SOLID SHAFT							
MODEL	GPM	PSI	RPM	BORE	STROKE	HP	SHP WGHT
CW2040	3.0 GPM	2,500 PSI	750 RPM	.787 in./20 mm	.630 in./16 mm	5.2 EBHP	30.0 lbs.
	4.0 GPM	2,000 PSI	1000 RPM	.787 in./20 mm	.630 in./16 mm	7.0 EBHP	30.0 lbs.
	5.0 GPM	2,500 PSI	1250 RPM	.787 in./20 mm	.630 in./16 mm	8.6 EBHP	30.0 lbs.
CW24	5.0 GPM	2,500 PSI	1250 RPM	.787 in./20 mm	.630 in./16 mm	8.6 EBHP	30.0 lbs.
CW3040	5.0 GPM	3,000 PSI	1250 RPM	.787 in./20 mm	.630 in./16 mm	10.3 EBHP	32.0 lbs.
CW3555	5.6 GPM	3,500 PSI	1450 RPM	.787 in./20 mm	.630 in./16 mm	13.4 EBHP	32.0 lbs.
CW2004	4.0 GPM	2,000 PSI	1750 RPM	.787 in./20 mm	.630 in./16 mm	5.5 EBHP	30.0 lbs.

CW 47 SERIES ASSEMBLIES	
MODEL	
190237	CW2040 Pump and Retrofit Rail and 24 mm H Bushing for Cat 310 Replacement
190238	CW2040 Pump and Retrofit Rail and 8" OD Pulley for Cat 310 Replacement
190239	CW3040 Pump and Retrofit Rail for Cat 530 Replacement
190245	CW3040L Pump and Retrofit Rail and H Bushing for Cat 530 Replacement

See pages 29-33 for Vehicle Cleaning Accessories.

All car wash pumps are covered under warranty for damage caused by fresh water wash-out for the life of the pump.

CW 69 Series - Features:

- Triplex plunger pump
- The preferred pump frame in the two-gun prep conveyor and tunnel car wash industry
- Forged brass manifold with exclusive lifetime warranty
- Large-capacity, die-cast, anodized aluminum oil-bath crankcase
- Over-sized connecting rods for maximum life
- Heavy-duty tapered roller bearings
- Solid ceramic plungers with continuously lubricated packings
- Unitized stainless steel inlet and discharge valves



CW1012

CW 69 Series - Specifications:

Max. Inlet Pressure125 PSI
 Max. Fluid Temperature165° F
 Inlet Port Thread3/4"-14 BSP-F
 Discharge Port Thread3/8" BSP-F
 Shaft Diameter1.378 in./35 mm
 Pump Dimensions13.0"x11.9"x7.3"
 Crankcase Oil Capacity50.7 oz.
 Use GP Series 100 Oil (see page 55)
 Product GroupY

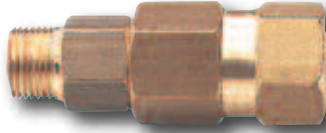
CW 69 SERIES - 35 MM SOLID SHAFT							
MODEL	GPM	PSI	RPM	BORE	STROKE	HP	SHP WGHT
CW1012	10.0 GPM	1,200 PSI	750 RPM	1.18 in./30 mm	.946 in./24 mm	8.2 EBHP	45.0 lbs.
	12.0 GPM	1,000 PSI	900 RPM	1.18 in./30 mm	.946 in./24 mm	8.2 EBHP	45.0 lbs.

See pages 29-33 for Vehicle Cleaning Accessories.

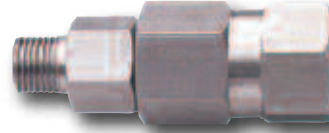
All car wash pumps are covered under warranty for damage caused by fresh water wash-out for the life of the pump.

VEHICLE CLEANING ACCESSORIES

Swivels



YSW38MFB



YSW38MFSS

Product Group: H

BRASS & STAINLESS STEEL SWIVELS								
MODEL	DESCRIPTION	GPM	RATED	MAX	INLET	OUTLET	MAX TEMP	SHW WGHT
YSW38MFB	Medium Resistance, Brass	10.5 GPM	3,650 PSI	4,050 PSI	3/8" BSP-M	3/8" BSP-F	320° F	0.3 lbs.
YSW14MFSS	Medium Resistance, SS	10.5 GPM	5,100 PSI	5,650 PSI	1/4" BSP-M	1/4" BSP-F	320° F	0.3 lbs.
YSW38MFSS	Medium Resistance, SS	10.5 GPM	5,100 PSI	5,650 PSI	3/8" BSP-M	3/8" BSP-F	320° F	0.3 lbs.
YSW14MFB	Medium Resistance, Brass	10.5 GPM	3,650 PSI	4,050 PSI	1/4" BSP-M	1/4" BSP-F	320° F	0.3 lbs.

Squeegees



560001

Product Group: I

SQUEEGEES	
MODEL	DESCRIPTION
560002	5 Foot Tapered Wood Handle
PXW20075	30" Foam Rubber Squeegee Head, cleans dirt out of the deepest cracks, even on rough surfaces
560001	Assembled Squeegee Head and Handle

Nozzle Packs



105140

Product Group: I

NOZZLE PACKS	
MODEL	DESCRIPTION
105140	Nozzle Kit for Laser Wash 4000, contains all nozzles for arch, 19 nozzles
105144	Nozzle Kit for D & S 5000 - Gantry, 16 Nozzles
105145	Nozzle Kit for D & S 5000 - Blaster, 12 Nozzles
105154	Nozzle Kit for SSA Futura, 30 - 1/8" NPT Nozzles
105164	Nozzle Kit for Oasis, Front Bridge of 8530 Windvan, 16 Nozzles
105167	Nozzle Kit for Oasis 9120 Windvan, 24 Nozzles
105169	Nozzle Kit for Oasis Rocker Panel Sprayers, 10 Nozzles
105191	Nozzle Kit for Hydrospray Cobra-Tower, 16 Nozzles
105193	Nozzle Kit for Hydrospray Rainmaker-Tower, 9 Nozzles

VEHICLE CLEANING ACCESSORIES



100892 100998/99 ZXS1 YR5221

Regulators - Great for Multiple Gun Prep Units

Product Group: S

VEHICLE CLEANING REGULATORS							
MODEL	DESCRIPTION	GPM	RATED	INLET	OUTLET	MAX TEMP	SHW WGHT
100892	Nickel-plated	5.0 GPM	2,000 PSI	3/8" NPT-F	1/4" NPT-F	200° F	1.4 lbs.
100998	Stainless Steel, Viton, PTFE	13.0 GPM	1,000 PSI	3/8" NPT-F	1/2" NPT-F	190° F	2.0 lbs
100999	Stainless Steel, Viton, PTFE	13.0 GPM	2,000 PSI	3/8" NPT-F	1/2" NPT-F	190° F	2.0 lbs.
ZKSX1	316 Stainless Steel	16.0 GPM	3,600 PSI	1/2" BSP-F	1/2" BSP-F	185° F	4.5 lbs.

MODEL	DESCRIPTION	GPM	RATED	MAX	INLET	MAX TEMP	SHW WGHT
YR5221	Designed for Touch Free Car Wash Systems	53.0 GPM	2,200 PSI	2,450 PSI	1" NPT	200° F	4.5 lbs.



PLSR4LVNCV YBRV624 YBRV5325

Balanced Relief Valves

Product Group: T

VEHICLE CLEANING BALANCED RELIEF VALVES							
MODEL	GPM	RATED	MAX	INLET	OUTLET	MAX TEMP	SHW WGHT
YBRV624	6.3 GPM	2,200 PSI	2,450 PSI	3/8" BSP-F	3/8" BSP-F	195° F	0.8 lbs.
YBRV624D	6.3 GPM	2,200 PSI	2,450 PSI	(2) 3/8" BSP-F	3/8" BSP-F	195° F	1.0 lbs.
100268	6.3 GPM	300 PSI	N/A	(2) 3/8" BSP-F	3/8" BSP-F	195° F	1.0 lbs.
100269	6.3 GPM	300 PSI	N/A	3/8" BSP-F	3/8" BSP-F	195° F	0.8 lbs.
PLSR4LVNCV	8.0 GPM	1,450 PSI	1,500 PSI	(2) 3/8" BSP-F	(2) 3/8" BSP-F	195° F	1.0 lbs.
PLSR4HVNCV	8.0 GPM	2,300 PSI	2,600 PSI	(2) 3/8" BSP-F	(2) 3/8" BSP-F	195° F	1.0 lbs.
YBRV5325	53.0 GPM	2,600 PSI	2,900 PSI	3/4" BSP-F	1/2" BSP-F	195° F	2.0 lbs.

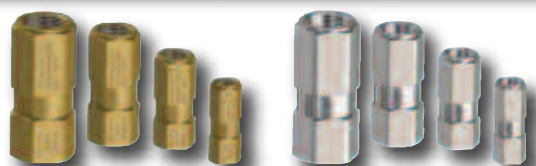


YU21235 YU5221 ZK4010 PULSAR4LP

Unloaders

Product Group: S

VEHICLE CLEANING UNLOADERS								
MODEL	GPM	RATED	MAX	INLET	OUTLET	BYPASS	MAX TEMP	SHW WGHT
ZK4010	10.5 GPM	4,000 PSI	4,000 PSI	3/8" BSP-F	3/8" BSP-M	(2) 3/8" BSP-F	185° F	2.3lbs.
PULSAR4LP	10.5 GPM	2,300 PSI	2,600 PSI	(2) 3/8" NPT-F	3/8" NPT-F	(2) 3/8" NPT-F	195° F	1.5 lbs.
PULSAR4KLP	10.5 GPM	2,300 PSI	2,600 PSI	(2) 3/8" NPT-F	3/8" NPT-F	(2) 3/8" NPT-F	195° F	1.5 lbs.
YU21235	21.0 GPM	2,200 PSI	2,450 PSI	(2) 3/8" NPT-F	1/2" NPT-F	(2) 1/2" NPT-F	200° F	3.1 lbs.
YVB5121B	21.0 GPM	4,050 PSI	4,500 PSI	1/2" NPT-F	1/2" NPT-F	1/2" NPT-F	195° F	2.5 lbs.
YU5221	53.0 GPM	2,200 PSI	2,450 PSI	1" NPT-F	1" NPT-F	1" NPT-F	200° F	4.5 lbs.



Brass Stainless Steel

Check Valves

Product Group: T

VEHICLE CLEANING CHECK VALVES							
MODEL	DESCRIPTION	GPM	RATED	MAX	OUTLET	MAX TEMP	SHW WGHT
YCV14FSS	Stainless Steel	6.5 GPM	5,800 PSI	6,500 PSI	1/4" BSP-F	195° F	0.5 lbs.
YCV38FSS	Stainless Steel	10.5 GPM	5,800 PSI	6,500 PSI	3/8" BSP-F	195° F	0.5 lbs.
YCV12FB	Brass	21.0 GPM	2,200 PSI	2,300 PSI	1/2" BSP-F	195° F	0.5 lbs.
YCV12FSS	Stainless Steel	21.0 GPM	5,800 PSI	6,500 PSI	1/2" BSP-F	195° F	0.5 lbs.
YCV34FB	Brass	48.0 GPM	2,200 PSI	2,300 PSI	3/4" BSP-F	195° F	0.8 lbs.
YCV34FSS	Stainless Steel	48.0 GPM	5,800 PSI	6,500 PSI	3/4" BSP-F	195° F	0.8 lbs.

VEHICLE CLEANING ACCESSORIES

Accumulators



Product Group: K

VEHICLE CLEANING ACCUMULATORS						
MODEL	DESCRIPTION	GPM	RATED	INLET	SHP WGHT	
686011	Non-rechargeable	10.0 GPM	3,000 PSI	1/2" NPT-M	2.5 lbs.	
686028	Rechargeable	10.0 GPM	3,000 PSI	1/2" NPT-M	2.5 lbs.	
686010	Rechargeable	40.0 GPM	3,000 PSI	1" NPT-M	7.0 lbs.	

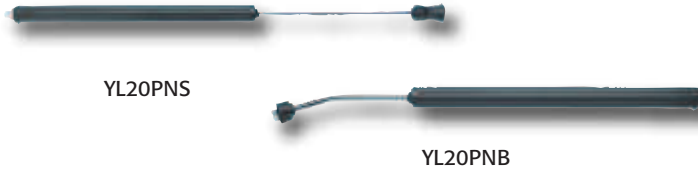
Spray Guns



Product Group: I

VEHICLE CLEANING SPRAY GUNS								
MODEL	DESCRIPTION	GPM	RATED	MAX	INLET	OUTLET	MAX TEMP	SHP WGHT
YRL2640	Rear Entry	8.0 GPM	3,650 PSI	4,000 PSI	3/8" NPT-F	1/4" NPT-F	320° F	1.0 lbs.
YRL2640W	Rear Entry, Weep Seat	8.0 GPM	3,650 PSI	4,000 PSI	3/8" NPT-F	1/4" NPT-F	320° F	1.0 lbs.
YG4000	Rear Entry	10.0 GPM	4,500 PSI	5,000 PSI	3/8" NPT-F	1/4" NPT-F	320° F	1.8 lbs.
YG4000WN	Rear Entry, Weep Seat	10.5 GPM	4,500 PSI	5,000 PSI	3/8" NPT-F	1/4" NPT-F	320° F	1.0 lbs.
YG4010	Rear Entry	10.5 GPM	4,500 PSI	5,000 PSI	3/8" NPT-F	1/4" NPT-F	320° F	1.2 lbs.
YG4010W	Rear Entry, Weep Seat	10.5 GPM	4,500 PSI	5,000 PSI	3/8" NPT-F	1/4" NPT-F	320° F	1.2 lbs.
YG5000	Rear Entry	10.0 GPM	5,000 PSI	5,000 PSI	3/8" NPT-F	1/4" NPT-F	320° F	1.2 lbs.
YG5000W	Rear Entry, Weep Seat	10.0 GPM	5,000 PSI	5,000 PSI	3/8" NPT-F	1/4" NPT-F	320° F	1.2 lbs.
DG5010	Rear Entry	10.0 GPM	5,000 PSI	5,000 PSI	3/8" NPT-F	1/4" NPT-F	320° F	1.4 lbs.
DG5010W	Rear Entry, Weep Seat	10.0 GPM	5,000 PSI	5,000 PSI	3/8" NPT-F	1/4" NPT-F	320° F	1.4 lbs.

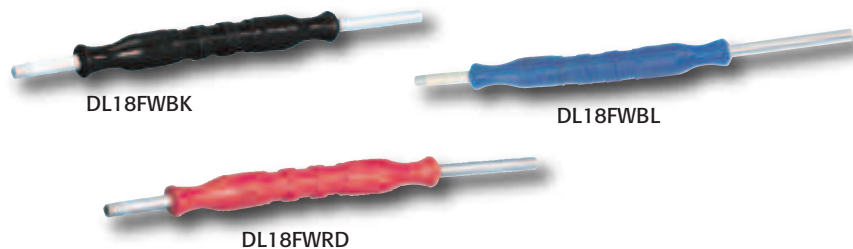
Insulated Lances



Product Group: I

VEHICLE CLEANING INSULATED LANCES								
MODEL	DESCRIPTION	GPM	RATED	MAX	INLET	OUTLET	MAX TEMP	SHP WGHT
YL20PNS	20", Straight	10.5 GPM	3,650 PSI	4,050 PSI	1/4" NPT-M	1/4" NPT-F	320° F	1.1 lbs.
YL24PNS	24", Straight	10.5 GPM	3,650 PSI	4,050 PSI	1/4" NPT-M	1/4" NPT-F	320° F	1.3 lbs.
YL27PNS	27", Straight	10.5 GPM	3,650 PSI	4,050 PSI	1/4" NPT-M	1/4" NPT-F	320° F	1.4 lbs.
YL20PNB	20", Bent	10.5 GPM	3,650 PSI	4,050 PSI	1/4" NPT-M	1/4" NPT-F	320° F	1.1 lbs.
YL24PNB	24", Bent	10.5 GPM	3,650 PSI	4,050 PSI	1/4" NPT-M	1/4" NPT-F	320° F	1.3 lbs.
YL27PNB	27", Bent	10.5 GPM	3,650 PSI	4,050 PSI	1/4" NPT-M	1/4" NPT-F	320° F	1.4 lbs.

Flexible Lances



Product Group: I

VEHICLE CLEANING FLEXIBLE LANCES								
MODEL	DESCRIPTION	GPM	RATED	MAX	INLET	OUTLET	MAX TEMP	SHP WGHT
DL18FWRD	18", Red	10.0 GPM	2,250 PSI	2,500 PSI	1/4" NPT-M	1/4" NPT-F	200° F	1.1 lbs.
DL18FWBL	18", Blue	10.0 GPM	2,250 PSI	2,500 PSI	1/4" NPT-M	1/4" NPT-F	200° F	1.1 lbs.
DL18FWBK	18", Black	10.0 GPM	2,250 PSI	2,500 PSI	1/4" NPT-M	1/4" NPT-F	200° F	1.1 lbs.
DL18FWRDM	18", Red	10.0 GPM	2,250 PSI	2,500 PSI	1/4" NPT-M	1/4" NPT-M	200° F	1.1 lbs.
DL18FWBLM	18", Blue	10.0 GPM	2,250 PSI	2,500 PSI	1/4" NPT-M	1/4" NPT-M	200° F	1.1 lbs.
DL18FWBKM	18", Black	10.0 GPM	2,250 PSI	2,500 PSI	1/4" NPT-M	1/4" NPT-M	200° F	1.1 lbs.

VEHICLE CLEANING ACCESSORIES



100975

100931

Reedless Flow Switches

Product Group: D

VEHICLE CLEANING REEDLESS FLOW SWITCHES								
MODEL	GPM	MAX	MAX TEMP	INLET	OUTLET	VOLTAGE	MATERIALS	SHIP WTG
100975	12.0 GPM	5,000 PSI	180° F	3/8"-18 NPT-F	3/8"-18 NPT-F	250 VAC	Brass, SS	1.0 lbs.
100931	12.0 GPM	5,000 PSI	180° F	3/8"-18 NPT-F	3/8"-18 NPT-F	250 VAC	SS	1.9 lbs.



100948

Chemical Injectors

High Draw, Brass Body, SS Nozzle, Viton Elastomers and Ceramic Ball

Product Group: L

VEHICLE CLEANING CHEMICAL INJECTORS - HIGH DRAW, BRASS BODY, SS NOZZLE, VITON ELASTOMERS AND CERAMIC BALL								
MODEL	ORIFICE	GPM	MAX	INLET	OUTLET	MAX TEMP	HOSE BARB	SHIP WTG
100947	1.6 mm	1.5 to 2.5 GPM	4,500 PSI	3/8" NPT-M	3/8" NPT-M	190° F	1/4"	0.4 lbs.
100948	1.8 mm	2.0 to 3.0 GPM	4,500 PSI	3/8" NPT-M	3/8" NPT-M	190° F	1/4"	0.4 lbs.
100949	2.1 mm	3.0 to 5.0 GPM	4,500 PSI	3/8" NPT-M	3/8" NPT-M	190° F	1/4"	0.4 lbs.
100950	2.3 mm	5.0 to 8.0 GPM	4,500 PSI	3/8" NPT-M	3/8" NPT-M	190° F	1/4"	0.4 lbs.



100615

Chemical Injectors

Brass Body, SS Nozzle, Viton Elastomers and SS Ball

Product Group: L

VEHICLE CLEANING CHEMICAL INJECTORS - BRASS BODY, SS NOZZLE, VITON ELASTOMERS AND SS BALL								
MODEL	ORIFICE	GPM	MAX	INLET	OUTLET	MAX TEMP	HOSE BARB	SHIP WTG
100913	1.45 mm	1.0 to 2.0 GPM	4,000 PSI	3/8" NPT-M	3/8" NPT-M	190° F	1/4"	0.4 lbs.
100615	1.8 mm	2.0 to 3.0 GPM	4,000 PSI	3/8" NPT-M	3/8" NPT-M	190° F	N/A	0.4 lbs.
100511	2.1 mm	3.0 to 5.0 GPM	4,000 PSI	3/8" NPT-M	3/8" NPT-M	190° F	1/4"	0.4 lbs.



100872

Chemical Injectors

Brass Body, SS Nozzle, Viton Elastomers and Teflon Ball

Product Group: L

VEHICLE CLEANING CHEMICAL INJECTORS - BRASS BODY, SS NOZZLE, VITON ELASTOMERS AND TEFLON BALL								
MODEL	ORIFICE	GPM	MAX	INLET	OUTLET	MAX TEMP	HOSE BARB	SHIP WTG
100871	1.5 mm	1.0 to 2.0 GPM	4,000 PSI	3/8" NPT-M	3/8" NPT-M	190° F	1/4"	0.3 lbs.
100872	2.3 mm	5.0 to 8.0 GPM	4,000 PSI	3/8" NPT-M	3/8" NPT-M	190° F	1/4"	0.3 lbs.



100334S



100541S

Chemical Injectors

Brass Body, SS Nozzle, Special Elastomers and SS Ball

Product Group: L

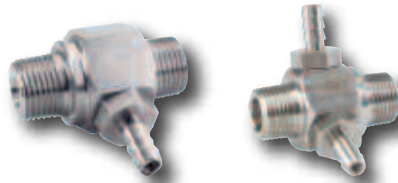
VEHICLE CLEANING CHEMICAL INJECTORS - SS BODY, SS NOZZLE, SPECIAL ELASTOMERS AND SS BALL								
MODEL	ORIFICE	GPM	MAX	INLET	OUTLET	MAX TEMP	HOSE BARB	SHIP WTG
100336S	1.45 mm	1.0 to 2.0 GPM	5,500 PSI	3/8" NPT-M	3/8" NPT-M	190° F	1/4"	0.4 lbs.
100334S	2.1 mm	2.0 to 4.0 GPM	5,500 PSI	3/8" NPT-M	3/8" NPT-M	190° F	1/4"	0.4 lbs.
100333S	2.2 mm	3.0 to 5.0 GPM	5,500 PSI	3/8" NPT-M	3/8" NPT-M	190° F	1/4"	0.4 lbs.
100339S	2.5 mm	5.0 to 8.0 GPM	5,500 PSI	3/8" NPT-M	3/8" NPT-M	190° F	1/4"	0.4 lbs.
100541S	2.1 mm	3.0 to 5.0 GPM	5,500 PSI	3/8" NPT-M	3/8" NPT-M	190° F	1/4" Dual	0.4 lbs.
100781	Metering Tips							

REPAIR KITS AVAILABLE

VEHICLE CLEANING ACCESSORIES

Chemical Injectors

SS Body, SS Nozzle,
EPDM Elastomers and SS Ball



100075

100541

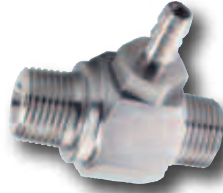
Product Group: L

VEHICLE CLEANING CHEMICAL INJECTORS - SS BODY, SS NOZZLE, EPDM ELASTOMERS AND SS BALL								
MODEL	ORIFICE	GPM	MAX	INLET	OUTLET	MAX TEMP	HOSE BARB	SHW WGHT
100996	1.04 mm	1.0 to 2.0 GPM	5,500 PSI	3/8" NPT-M	3/8" NPT-M	190° F	1/4"	0.4 lbs.
101004	1.3 mm	1.0 to 2.0 GPM	5,500 PSI	3/8" NPT-M	3/8" NPT-M	190° F	1/4"	0.4 lbs.
100075	1.45 mm	2.0 to 2.0 GPM	5,500 PSI	3/8" NPT-M	3/8" NPT-M	190° F	1/4"	0.4 lbs.
100093	2.1 mm	2.0 to 4.0 GPM	5,500 PSI	3/8" NPT-M	3/8" NPT-M	190° F	1/4"	0.4 lbs.
100074	2.2 mm	3.0 to 5.0 GPM	5,500 PSI	3/8" NPT-M	3/8" NPT-M	190° F	1/4"	0.4 lbs.
100076	2.5 mm	5.0 to 8.0 GPM	5,500 PSI	3/8" NPT-M	3/8" NPT-M	190° F	1/4"	0.4 lbs.
101010	3.18 mm	5.0 to 8.0 GPM	5,500 PSI	3/8" NPT-M	3/8" NPT-M	190° F	1/4"	0.4 lbs.
100541	2.1 mm	3.0 to 5.0 GPM	5,500 PSI	3/8" NPT-M	3/8" NPT-M	190° F	1/4" Dual	0.5 lbs.

REPAIR KITS AVAILABLE

Chemical Injectors

SS Body, SS Nozzle,
Viton Elastomers and SS Ball



100334

Product Group: L

VEHICLE CLEANING CHEMICAL INJECTORS - SS BODY, SS NOZZLE, VITON ELASTOMERS AND SS BALL								
MODEL	ORIFICE	GPM	MAX	INLET	OUTLET	MAX TEMP	HOSE BARB	SHW WGHT
100336	1.45 mm	1.0 to 2.0 GPM	5,500 PSI	3/8" NPT-M	3/8" NPT-M	190° F	1/4"	0.4 lbs.
100094	1.6 mm	2.0 to 3.0 GPM	5,500 PSI	3/8" NPT-M	3/8" NPT-M	190° F	1/4"	0.4 lbs.
100835	1.8 mm	2.0 to 3.0 GPM	5,500 PSI	3/8" NPT-M	3/8" NPT-M	190° F	1/4"	0.4 lbs.
100334	2.2 mm	2.0 to 4.0 GPM	5,500 PSI	3/8" NPT-M	3/8" NPT-M	190° F	1/4"	0.4 lbs.
100333	2.2 mm	3.0 to 5.0 GPM	5,500 PSI	3/8" NPT-M	3/8" NPT-M	190° F	1/4"	0.4 lbs.
100339	2.3 mm	5.0 to 8.0 GPM	5,500 PSI	3/8" NPT-M	3/8" NPT-M	190° F	1/4"	0.4 lbs.

REPAIR KITS AVAILABLE

Chemical Injectors

CPVC Body, CPVC Nozzle,
Kynar Hose Barb and Teflon Ball



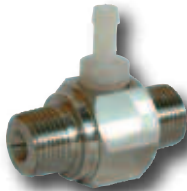
100938

Product Group: L

VEHICLE CLEANING CHEMICAL INJECTORS - CPVC BODY, CPVC NOZZLE, KYNAR HOSE BARB AND TEFLON BALL								
MODEL	ORIFICE	GPM	MAX	INLET	OUTLET	MAX TEMP	HOSE BARB	SHW WGHT
100938	1.6 mm	2.0 to 3.0 GPM	250 PSI	3/8" NPT-M	3/8" NPT-M	190° F	1/4"	0.3 lbs.
100853	2.1 mm	3.0 to 5.0 GPM	250 PSI	3/8" NPT-M	3/8" NPT-M	190° F	1/4"	0.3 lbs.
100955	1.4 mm	1.0 to 2.0 GPM	250 PSI	1/2" NPT-M	1/2" NPT-M	190° F	1/4"	0.4 lbs.
100956	1.6 mm	2.0 to 3.0 GPM	250 PSI	1/2" NPT-M	1/2" NPT-M	190° F	1/4"	0.4 lbs.
100957	2.1 mm	3.0 to 5.0 GPM	250 PSI	1/2" NPT-M	1/2" NPT-M	190° F	1/4"	0.4 lbs.

Chemical Injectors

SS Body, SS Nozzle, EPDM O-ring,
Kynar Hose Barb and Teflon Ball



100096

Product Group: L

VEHICLE CLEANING CHEMICAL INJECTORS - SS BODY, SS NOZZLE, EPDM O-RING, KYNAR HOSE BARB AND TEFLON BALL								
MODEL	ORIFICE	GPM	MAX	INLET	OUTLET	MAX TEMP	HOSE BARB	SHW WGHT
100096	1.45 mm	1.0 to 2.0 GPM	250 PSI	3/8" NPT-M	3/8" NPT-M	190° F	1/4"	0.4 lbs.
100097	2.2 mm	3.0 to 5.0 GPM	250 PSI	3/8" NPT-M	3/8" NPT-M	190° F	1/4"	0.4 lbs.

INDUSTRIAL APPLICATIONS



Misting/Fogging

- Evaporative cooling
- Insect control
- Bird control
- Odor control
- Fire suppression
- Tower cooling
- Power generation

Water jet technology

- Coating removal
- Surface preparation
- Materials cutting/machining

Industrial Process

- Hydraulic ram/press
- Hydrostatic testing

Industrial cleaning

- General cleaning
- Surface stripping
- Scale removal
- Barrel cleaning

Food processing

- Poultry deboning
- Sanitation
- Wine making

Agricultural

- Hydro-seeding
- Fertilizer injection

Boats and pleasure craft

- Watermaking
- Washdown
- Boat hull cleaning

Water treatment

- Reverse osmosis
- Desalination
- Water purification

Sewer maintenance

- Sewer jetting
- Root cutting

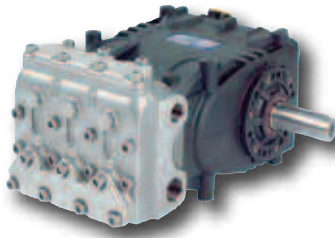
Tank cleaning

- Barrel reconditioning
- Wine making

Mining

- Exploration Drilling
- Bentonite
- Core sampling
- BOP
- Dyno/dynamic brake
- Coil tubing
- Glycol
- Well stimulation
- Waterblast
- Chemical injection
- Accumulator charging

INDUSTRIAL PUMPS



KE SERIES

KE SERIES			
MODEL	GPM	PSI	RPM
KE20A	8.0 GPM	4,350 PSI	1450 RPM
KE22A	10.0 GPM	3,650 PSI	1450 RPM
KE24A	11.9 GPM	3,050 PSI	1450 RPM
KE28HA	16.1 GPM	2,170 PSI	1450 RPM
KE30HA	18.5 GPM	1,880 PSI	1450 RPM
KE36HA	26.4 GPM	1,450 PSI	1450 RPM

KE Series - Features:

- Patent-pending symmetrical power end featuring top and bottom mounting holes allowing for easy left to right shaft conversion
- Low-high pressure packing design with integrated cooling system
- High volumetric efficient suction/delivery valves
- Splash lubrication
- SAE-B hydraulic bell housing and flexible couplers available

KE Series - Specifications:

Max. Inlet Pressure.....45 PSI
 Max. Fluid Temperature*140° F
 Inlet Port Thread.....1" NPT-F
 Discharge Port Thread.....1/2" NPT-F
 Shaft Diameter.....1.181"/30 mm
 Stroke.....0.9055"/23 mm
 Pump Dimensions.....15.2"x13.4"x7.7"
 Crankcase Oil Capacity.....67.63 oz./2 liters
 Use GP Series 220 Oil (see page 55)
 Shipping Weight.....88 lbs.
 Product Group.....V



KT SERIES

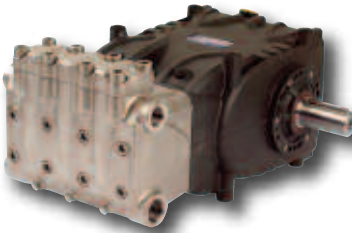
KT SERIES			
MODEL	GPM	PSI	RPM
KT16A	7.2 GPM	7,250 PSI	1750 RPM
KT18A	9.2 GPM	5,800 PSI	1750 RPM
KT20A	11.4 GPM	4,650 PSI	1750 RPM
KT22A	13.7 GPM	3,650 PSI	1750 RPM
KT24A	16.3 GPM	2,900 PSI	1750 RPM
KT28A	22.2 GPM	2,540 PSI	1750 RPM
KT30A	25.4 GPM	2,030 PSI	1750 RPM
KT32A	29.1 GPM	1,750 PSI	1750 RPM
KT36A	33.1 GPM	1,813 PSI	1580 RPM
KT40A	37.5 GPM	1,450 PSI	1450 RPM

KT Series - Features:

- Double pressure packings
- Pressure packing design with integrated cooling system
- Horizontally fitted in-line valves
- Splash lubrication
- SAE-B hydraulic drive available

KT Series - Specifications:

Max. Inlet Pressure.....45 PSI
 Max. Fluid Temperature*140° F
 Inlet Port Thread.....See specification sheet
 Discharge Port Thread.....See specification sheet
 Shaft Diameter.....1.181"/30 mm
 Stroke.....1.102"/26 mm
 Pump Dimensions.....15.55"x13.4"x8.35"
 Crankcase Oil Capacity.....67.63 oz./2 liters
 Use GP Series 220 Oil (see page 55)
 Shipping Weight.....100 lbs.
 Product Group.....V



HF SERIES

HF SERIES			
MODEL	GPM	PSI	RPM
HF18A	8.1 GPM	8,700 PSI	800 RPM
	10.1 GPM	7,250 PSI	1000 RPM
HF20A	12.4 GPM	5,800 PSI	1000 RPM
HF22A	12.05 GPM	5,800 PSI	800 RPM
	15.0 GPM	5,075 PSI	1000 RPM
HF25A	19.4 GPM	4,060 PSI	1000 RPM

HF Series - Features:

- Patent-pending symmetrical power end featuring top and bottom mounting holes allowing for easy left to right shaft conversion
- Low-high pressure packing design with integrated cooling system
- High volumetric efficient suction/delivery valves
- Splash lubrication
- SAE-C hydraulic bell housing and flexible couplers available
- Available with external gear box (direct drive only)

HF Series - Specifications:

Max. Inlet Pressure.....45 PSI
 Max. Fluid Temperature*140° F
 Inlet Port Thread.....1" NPT-F
 Discharge Port Thread.....3/4" NPT-F
 Shaft Diameter.....1.575"/40 mm
 Stroke.....1.969"/50 mm
 Pump Dimensions.....20.0"x14.5"x9.4"
 Crankcase Oil Capacity.....128.5 oz./3.8 liters
 Use GP Series 220 Oil (see page 55)
 Shipping Weight.....132 lbs.
 Product Group.....V

* Please consult technical manual or GP Sales Representative for Temperature/Inlet Pressure information

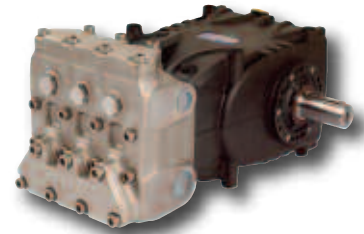
KF Series - Features:

- Patent-pending symmetrical power end featuring top and bottom mounting holes allowing for easy left to right shaft conversion
- Low-high pressure packing design with integrated cooling system
- High volumetric efficient suction/delivery valves
- Splash lubrication
- SAE-C hydraulic bell housing and flexible couplers available
- Available with external gear box (direct drive only)

KF Series - Specifications:

Max. Inlet Pressure45 PSI
 Max. Fluid Temperature*140° F
 Inlet Port Thread1-1/2" NPT-F
 Discharge Port Thread.....1" NPT-F
 Shaft Diameter1.575"/40 mm
 Stroke.....1.969"/50 mm
 Pump Dimensions.....20.7"x14.5"x9.9"
 Crankcase Oil Capacity.....128.5 oz./3.8 liters
 Use GP Series 220 Oil (see page 55)
 Shipping Weight.....150 lbs.
 Product GroupV

KF SERIES



KF SERIES			
MODEL	GPM	PSI	RPM
KF28A	24.5 GPM	3,050 PSI	1000 RPM
KF30A	28.0 GPM	2,900 PSI	1000 RPM
KF32A	31.7 GPM	2,600 PSI	1000 RPM
KF36A	32.2 GPM	2,300 PSI	800 RPM
	36.2 GPM	2,050 PSI	900 RPM
	40.0 GPM	2,000 PSI	1000 RPM
KF40A	45.0 GPM	1,600 PSI	900 RPM

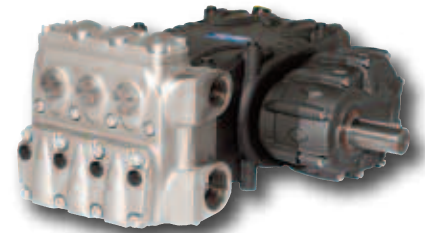
KS Series - Features:

- Patent-pending symmetrical power end featuring top and bottom mounting holes allowing for easy left to right shaft conversion
- Low-high pressure packing design with integrated cooling system
- High volumetric efficient suction/delivery valves
- Splash lubrication
- SAE-C hydraulic bell housing and flexible couplers available
- Available with external gear box (direct drive only)

KS Series - Specifications:

Max. Inlet Pressure45 PSI
 Max. Fluid Temperature*140° F
 Inlet Port Thread2" NPT-F
 Discharge Port Thread1-1/2" NPT-F
 Shaft Diameter1.575"/40 mm
 Stroke.....1.969"/50 mm
 Pump Dimensions23.0"x19.0"x11.0"
 Crankcase Oil Capacity.....162.3 oz./4.8 liters
 Use GP Series 220 Oil (see page 55)
 Shipping Weight.....212 lbs.
 Product GroupV

KS SERIES



KS SERIES			
MODEL	GPM	PSI	RPM
KS28SA	24.0 GPM	4,000 PSI	1000 RPM
KS28A	29.1 GPM	3,650 PSI	1200 RPM
KS32A	38.3 GPM	2,900 PSI	1200 RPM
KS36A	48.3 GPM	2,350 PSI	1200 RPM
KS40A	59.7 GPM	2,000 PSI	1200 RPM

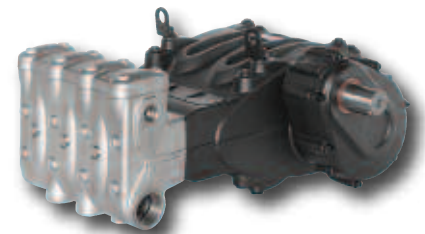
MW/MWS Series - Features:

- Low-high pressure packing design with integrated cooling system
- Vertically fitted suction/delivery valves
- Splash lubrication
- Gear ratios: 1500 RPM=1.876:1, 1800 RPM=2.238:1, 2200 RPM=2.722:1, 2600 RPM=3.25:1
- Includes drain/priming valve kit
- F2152 kit allows for easy adaptation to MSS mounting pattern
- SAE-C hydraulic shaft/flange option available

MW/MWS Series - Specifications:

Max. Inlet Pressure45 PSI
 Max. Fluid Temperature*140° F
 Inlet Port Thread.....See specification sheet
 Discharge Port ThreadSee specification sheet
 Shaft Diameter1.969"/50 mm
 Stroke.....2.756"/70 mm
 Pump Dimensions29.5"x23.0"x14.5"
 Crankcase Oil Capacity.....304.3 oz./9 liters
 Use GP Series 220 Oil (see page 55)
 Shipping Weight.....540 lbs.
 Product GroupV

MW/MWS SERIES



MW/MWS SERIES			
MODEL	GPM	PSI	RPM
MW32A	36.9 GPM	4,350 PSI	1500/1800/2200/2600 RPM
MW36A	45.2 GPM	3,900 PSI	1500/1800/2200/2600 RPM
MWS40A	55.7 GPM	3,050 PSI	1500/1800/2200/2600 RPM
MWS45A	70.5 GPM	2,500 PSI	1500/1800/2200/2600 RPM
MWS50A	87.2 GPM	2,000 PSI	1500/1800/2200/2600 RPM
MWS55A	105.4 GPM	1,450 PSI	1500/1800/2200/2600 RPM

* Please consult technical manual or GP Sales Representative for Temperature/Inlet Pressure information

INDUSTRIAL PUMPS



MK SERIES

MK SERIES			
MODEL	GPM	PSI	RPM
MK40A	40.5 GPM	5,800 PSI	1500/1800 RPM
MK45A	51.0 GPM	4,350 PSI	1500/1800 RPM
MK50A	63.4 GPM	3,600 PSI	1500/1800 RPM
MK55A	76.7 GPM	2,900 PSI	1500/1800 RPM
MK60A	91.4 GPM	2,500 PSI	1500/1800 RPM
MK65A	107.3 GPM	2,175 PSI	1500/1800 RPM

MK Series - Features:

- Low-high pressure packing design with integrated cooling system
- High volumetric efficient suction/delivery valves
- Splash lubrication
- Gear ratios: 1500 RPM=2.65:1, 1800 RPM=3.29:1
- Includes drain/priming valve kit
- SAE-D hydraulic drive available (w/1500 RPM version only)

MK Series - Specifications:

Max. Inlet Pressure.....45 PSI
 Max. Fluid Temperature*140° F
 Inlet Port Thread.....See specification sheet
 Discharge Port Thread.....See specification sheet
 Shaft Diameter.....2.165"/55 mm
 Stroke.....2.835"/72 mm
 Pump Dimensions.....32.64"x29.38"x14.25"
 Crankcase Oil Capacity.....456.5 oz./13.5 liters
 Use GP Series 220 Oil (see page 55)
 Shipping Weight.....833 lbs.
 Product Group.....V



MKS SERIES

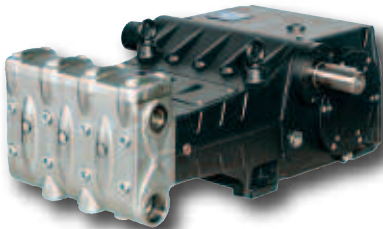
MKS SERIES			
MODEL	GPM	PSI	RPM
MKS40A	48.2 GPM	5,800 PSI	1500/1800/2200 RPM
MKS45A	61.0 GPM	4,350 PSI	1500/1800/2200 RPM
MKS50A	75.3 GPM	3,600 PSI	1500/1800/2200 RPM
MKS55A	91.1 GPM	2,900 PSI	1500/1800/2200 RPM
MKS60A	108.4 GPM	2,500 PSI	1500/1800/2200 RPM
MKS65A	127.0 GPM	2,175 PSI	1500/1800/2200 RPM

MKS Series - Features:

- Low-high pressure packing design with integrated cooling system
- High volumetric efficient suction/delivery valves
- Splash lubrication
- Gear ratios: 1500 RPM=2.23:1, 1800 RPM=2.65:1, 2200 RPM=3.29:1
- Includes drain/priming valve kit
- SAE-D hydraulic drive available (w/ 1800 RPM version only)

MKS Series - Specifications:

Max. Inlet Pressure.....45 PSI
 Max. Fluid Temperature*140° F
 Inlet Port Thread.....See specification sheet
 Discharge Port Thread.....See specification sheet
 Shaft Diameter.....2.165"/55 mm
 Stroke.....2.835"/72 mm
 Pump Dimensions.....32.64"x29.38"x14.25"
 Crankcase Oil Capacity.....456.5 oz./13.5 liters
 Use GP Series 220 Oil (see page 55)
 Shipping Weight.....833 lbs.
 Product Group.....V



LK SERIES

LK SERIES			
MODEL	GPM	PSI	RPM
LK3615	37.0 GPM	5,800 PSI	1500 RPM
LK3617	40.2 GPM	5,800 PSI	1750 RPM
LK4015	45.7 GPM	5,075 PSI	1500 RPM
LK4017	49.7 GPM	5,075 PSI	1750 RPM
LK4515	57.6 GPM	4,060 PSI	1500 RPM
LK4517	62.9 GPM	4,060 PSI	1750 RPM
LK5015	71.1 GPM	3,335 PSI	1500 RPM
LK5017	77.7 GPM	3,335 PSI	1750 RPM
LK5515	86.1 GPM	2,755 PSI	1500 RPM
LK5517	93.8 GPM	2,755 PSI	1750 RPM
LK6015	102.5 GPM	2,320 PSI	1500 RPM
LK6017	111.8 GPM	2,320 PSI	1750 RPM

LK Series - Features:

- Drive shaft with double projection
- Double pressure packings
- Splash lubrication
- Vertically fitted suction/delivery valves
- Includes drain/priming valve kit
- Gear ratios: 1500 RPM=2.95:1, 1750 RPM=3.158:1, 1900 RPM=3.389:1

MKS Series - Specifications:

Max. Inlet Pressure.....45 PSI
 Max. Fluid Temperature*140° F
 Inlet Port Thread.....See specification sheet
 Discharge Port Thread.....See specification sheet
 Shaft Diameter.....1.969"/50 mm
 Stroke.....3.546"/90 mm
 Pump Dimensions.....36.4"x26.4"x13.7"
 Crankcase Oil Capacity.....473.5 oz./14 liters
 Use GP Series 220 Oil (see page 55)
 Shipping Weight.....829 lbs.
 Product Group.....V

* Please consult technical manual or GP Sales Representative for Temperature/Inlet Pressure information

VF Series - Features:

- Patent-pending symmetrical power end featuring top and bottom mounting holes allowing for easy left to right shaft conversion
- Low-high pressure packing design with integrated cooling system
- Horizontally fitted in-line valves
- Splash lubrication
- SAE-C hydraulic bell housing and flexible couplers available

VF Series - Specifications:

Inlet Pressure75-100 PSI
 Max. Fluid Temperature.....*86° F
 Inlet Port Thread.....3/4" BSP-F
 Discharge Port Thread1/2" G Special
 Shaft Diameter1.575"/40 mm
 Stroke.....1.969"/50 mm
 Pump Dimensions.....24.0"x15.0"x9.0"
 Crankcase Oil Capacity.....128.5 oz./3.8 liters
 Use GP Series 220 Oil (see page 55)
 Shipping Weight.....150 lbs.
 Product GroupV

VK Series - Features:

- Low-high pressure packing design with integrated cooling system
- Horizontally fitted in-line valves
- Splash lubrication
- SAE-C hydraulic bell housing and flexible couplers available

VK Series - Specifications:

Inlet Pressure75-100 PSI
 Max. Fluid Temperature.....*86° F
 Inlet Port Thread.....3/4" BSP-F
 Discharge Port Thread1/2" G Special
 Shaft Diameter1.575"/40 mm
 Stroke.....1.969"/50 mm
 Pump Dimensions.....25.39"x14.44"x15.11"
 Crankcase Oil Capacity.....162.3 oz./4.8 liters
 Use GP Series 220 Oil (see page 55)
 Shipping Weight.....212 lbs.
 Product GroupV

SM Series - Features:

- Double pressure packings
- Pressure packing integrated cooling system
- Horizontally fitted in-line valves
- Splash lubrication
- SAE-C hydraulic mount available
- Gear ratios: 1500 RPM=1.876:1, 1800 RPM=2.238:1, 2200 RPM=2.722:1, 2600 RPM=3.25:1

SM Series - Specifications:

Inlet Pressure75-100 PSI
 Max. Fluid Temperature.....*86° F
 Inlet Port Thread.....1-1/2" G
 Discharge Port Thread.....3/4" HP-Special
 Shaft Diameter1.969"/50 mm
 Stroke.....2.756"/70 mm
 Pump Dimensions.....34.6"x23.0"x14.13"
 Crankcase Oil Capacity.....304 oz./9 liters
 Use GP Series 220 Oil (see page 55)
 Shipping Weight.....573 lbs.
 Product GroupV

VF SERIES



VF SERIES			
MODEL	GPM	PSI	RPM
VF12	3.3 GPM	21,750 PSI	750 RPM
	4.0 GPM	17,500 PSI	900 RPM
VF14	4.5 GPM	16,000 PSI	750 RPM
	6.0 GPM	11,600 PSI	1000 RPM

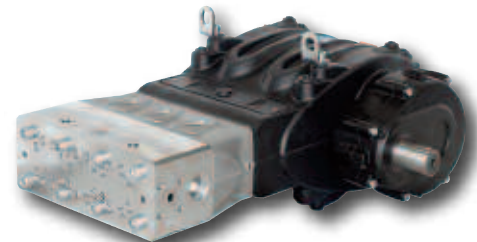
VK SERIES

Shown with optional gear box



VK SERIES			
MODEL	GPM	PSI	RPM
VK12	5.3 GPM	21,750 PSI	1200 RPM
VK14	7.4 GPM	15,950 PSI	1200 RPM

SM SERIES



SM SERIES			
MODEL	GPM	PSI	RPM
SM14	6.9 GPM	21,750 PSI	1500/1800/2200/2600 RPM
SM16	9.0 GPM	14,400 PSI	1500/1800/2200/2600 RPM
SM18	11.4 GPM	13,050 PSI	1500/1800/2200/2600 RPM
SM20	14.0 GPM	10,875 PSI	1500/1800/2200/2600 RPM
SM22	16.9 GPM	8,700 PSI	1500/1800/2200/2600 RPM
SM24	20.1 GPM	7,250 PSI	1500/1800/2200/2600 RPM

* Please consult technical manual or GP Sales Representative for Temperature/Inlet Pressure information

INDUSTRIAL PUMPS



SK SERIES

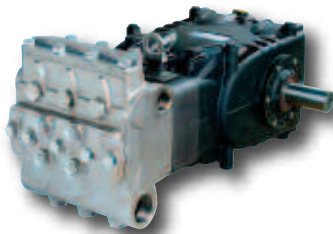
SK SERIES			
MODEL	GPM	PSI	RPM
SK2015	11.4 GPM	21,750 PSI	1500 RPM
SK2017	11.6 GPM	21,750 PSI	1750 RPM
SK2215	13.7 GPM	18,850 PSI	1500 RPM
SK2217	14.0 GPM	18,850 PSI	1750 RPM
SK2415	16.4 GPM	15,950 PSI	1500 RPM
SK2417	16.6 GPM	15,950 PSI	1750 RPM
SK2615	19.3 GPM	13,050 PSI	1500 RPM
SK2617	19.6 GPM	13,050 PSI	1750 RPM
SK2815	22.3 GPM	11,600 PSI	1500 RPM
SK2817	22.7 GPM	11,600 PSI	1750 RPM
SK3015	25.4 GPM	10,150 PSI	1500 RPM
SK3017	25.9 GPM	10,150 PSI	1750 RPM

SK Series - Features:

- Double pressure packings
- Pressure packing integrated cooling system
- Horizontally fitted in-line valves
- Splash lubrication
- Hydraulic drive available
- Gear ratios: 1500 RPM=2.95:1, 1750 RPM=3.389:1

SK Series - Specifications:

Inlet Pressure75-100 PSI
 Max Fluid Temperature.....*86° F
 Inlet Port Thread1-1/2" BSP-F
 Discharge Port Thread.....3/4" HP-Special
 Shaft Diameter1.969"/50 mm
 Stroke.....3.546"/90 mm
 Pump Dimensions42.0"x26.4"x13.7"
 Crankcase Oil Capacity.....473.4 oz./14 liters
 Use GP Series 220 Oil (see page 55)
 Shipping Weight.....840 lbs.
 Product GroupV



MUD PUMPS

KF50MA	SPEED			
	100 RPM	200 RPM	300 RPM	370 RM
FLOW RATE	7.7 GPM	15.6 GPM	23.4 GPM	28.8 GPM
PRESSURE	1,300 PSI	1,300 PSI	1,300 PSI	1,300 PSI
HP	6.8 HP	13.8 HP	20.6 HP	25.5 HP

KF50MA Series - Features:

- High pressure "MUD" pump
- Specifically designed to pump fluids and muds typical of the drilling industry
- Self cleaning ball valves
- Abrasion resistant packings and valves
- High heat dissipation power end
- Splash lubrication
- Quick servicing of packings (patent pending)
- Auxiliary PTO shaft available as an option
- SAE-C hydraulic flange and coupler available

KF50MA Series - Specifications:

Max. Inlet Pressure.....45 PSI
 Max Fluid Temperature*140° F
 Inlet Port Thread1-1/2" NPT-F
 Discharge Port Thread.....1" NPT-F
 Shaft Diameter1.575"/40 mm
 Stroke.....1.969"/50 mm
 Pump Dimensions.....20.7"x14.5"x9.9"
 Crankcase Oil Capacity.....128.5 oz./3.8 liters
 Use GP Series 220 Oil (see page 55)
 Shipping Weight.....158 lbs.
 Product GroupV

* Please consult technical manual or GP Sales Representative for Temperature/Inlet Pressure information

OPTIONAL GEARBOX



OPTIONAL GEARBOX FOR THE KS, KF, HF, VK and VF PUMPS			
PART NUMBER	GEARBOX RATIOS	MINIMUM INPUT SPEED RPM	MAXIMUM INPUT SPEED RPM
F34207301	R=1.25:1	625 RPM	1250 RPM
F34207401	R=1.50:1	750 RPM	1500 RPM
F34207501	R=1.83:1	915 RPM	1830 RPM

**NEW
SERIES!**

TR AND SR SERIES



TR and SR Series - Features:

- Triplex plunger pump
- Up to 236 GPM and 22,000 PSI
- 300 HP or 450 HP
- Can be mounted vertically or horizontally
- Double end crankshaft
- Internal gear reduction
- Forced oil lubrication with integrated cooler, filter and gauge
- Solid ceramic plungers
- Available in three gear ratios (520 internal RPM):
1500 RPM=2.90:1, 1800 RPM=3.46:1,
2200 RPM=4.23:1

TR and SR Series - Specifications:

Inlet Pressure.....	30-70 PSI
Shaft Diameter.....	2.56"/65 mm
TR Stroke.....	5.12"/130 mm
SR Stroke.....	3.54"/90 mm
Pump Dimensions.....	50.0"x41.0"x28.5"
Crankcase Oil Capacity.....	9.24 gal. (vertical) 13.75 gal. (horizontal)
	Use GP Series 220 Oil (see page 55)
Shipping Weight.....	2,436 lbs.
Product Group.....	V

TR and SR Series - Materials:

- Cast iron crankcase
- Stainless steel manifold
- Steel alloy crankshaft
- Forged steel connecting rods and connecting bushings

TR SERIES			
MODEL	GPM	PSI	RPM
TR26	28.5 GPM	21,755 PSI	520 RPM
TR30	37.8 GPM	17,404 PSI	520 RPM
TR36	55.0 GPM	10,877 PSI	520 RPM
TR50	105.0 GPM	5,801 PSI	520 RPM
TR60	157.4 GPM	4,351 PSI	520 RPM
TR70	206.0 GPM	3,190 PSI	520 RPM
TR75	236.0 GPM	2,755 PSI	520 RPM

SR SERIES			
MODEL	GPM	PSI	RPM
SR26	19.8 GPM	21,755 PSI	520 RPM
SR30	26.0 GPM	17,404 PSI	520 RPM
SR32	29.8 GPM	14,503 PSI	520 RPM
SR36	37.8 GPM	11,603 PSI	520 RPM
SR50	73.0 GPM	5,801 PSI	520 RPM
SR65	123.0 GPM	3,425 PSI	520 RPM
SR75	163.7 GPM	2,755 PSI	520 RPM

**CONTACT YOUR GENERAL PUMP
SALES REPRESENTATIVE FOR
FURTHER DETAILS**

INDUSTRIAL PUMPS

AGGRESSIVE ENVIRONMENT PUMPS



WM SERIES

WM SERIES			
MODEL	GPM	PSI	RPM
WM0515C	0.5 GPM	1,500 PSI	1750 RPM
WM0815C	0.8 GPM	1,500 PSI	1750 RPM
WM1015C	1.0 GPM	1,500 PSI	1750 RPM
WM1615C	1.6 GPM	1,500 PSI	1750 RPM
WM1815C	1.8 GPM	1,500 PSI	1750 RPM
WM2315C	2.3 GPM	1,500 PSI	1750 RPM
WM3015C	3.0 GPM	1,500 PSI	1750 RPM
WM3615C	3.6 GPM	1,500 PSI	1750 RPM
WM4215C	4.2 GPM	1,500 PSI	1750 RPM
24 mm Solid Shaft:			
WM1815S	1.8 GPM	1,500 PSI	1750 RPM
WM2515S	2.5 GPM	1,500 PSI	1750 RPM
WM4215S	4.2 GPM	1,500 PSI	1750 RPM

WM Series - Features:

- 316 stainless steel fluid end for superior corrosion protection
- Solid ceramic plungers with advanced surface finish assure durability and longevity
- Compact design offers solutions to space limitations
- Parallel inlet and outlet valve design for efficiency and easy maintenance
- Most models available with EPDM sealing option

WM Series - Specifications:

Max. Inlet Pressure50 PSI
 Max Discharge Pressure1500 PSI
 Max Fluid Temperature*140° F
 Inlet Port Thread.....1/2" NPT-F / 3/8"-19 NPT-F (WM0515C)
 Discharge Port Thread.....3/8" NPT-F
 Shaft Diameter.....5/8" Hollow/24 mm Solid
 Pump Dimensions.....9.9"x7.5"x6.0"
 Crankcase Oil Capacity12.0 oz./35 liters
 Use GP Series 100 Oil (see page 55)
 Shipping Weight.....13.5 lbs.
 Product GroupV



TX SERIES 63SS

TX SERIES 63SS			
MODEL	GPM	PSI	RPM
TX1510S17SS	2.1 GPM	2,200 PSI	1750 RPM
TX1512S17SS	2.6 GPM	2,200 PSI	1750 RPM
TX1810S17SS	3.1 GPM	2,000 PSI	1750 RPM
TX1812S17SS	3.8 GPM	2,200 PSI	1750 RPM

TX Series 63SS - Features:

- 316 stainless steel fluid end for superior corrosion protection
- Energized special pressure packings
- 316 stainless steel inlet and outlet valves
- Solid ceramic plungers
- Dual Ball Bearings
- Patented "high tech" low and high pressure seals

TX Series 63SS - Specifications:

Max. Inlet Pressure115 PSI
 Max Fluid Temperature*185° F
 Inlet Port Thread.....1/2"-14 BSP-F
 Discharge Port Thread.....3/8"-9 BSP-F
 Shaft Diameter.....9/16"/24 mm
 Pump Dimensions.....8.4"x8.3"x4.8"
 Crankcase Oil Capacity14.0 oz./41 liters
 Use GP Series 100 Oil (see page 55)
 Shipping Weight.....22.3 lbs.
 Product GroupV



T SERIES 47SS

T SERIES 47SS			
MODEL	GPM	PSI	RPM
TS2010SS	3.4 GPM	2,200 PSI	1450 RPM
TS2012SS	4.75 GPM	3,000 PSI	1750 RPM
TS2212SS	4.75 GPM	2,200 PSI	1450 RPM
TS2016SS	5.55 GPM	3,000 PSI	1450 RPM
TS2212SS	5.55 GPM	2,200 PSI	1750 RPM

T Series 47SS - Features:

- 316 stainless manifold for superior corrosion protection
- The preferred pump frame in the industry
- Solid ceramic plungers with continuously lubricated packings
- Oversized connecting rods for maximum life
- Patented "high tech" low and high pressure seals

T Series 47SS - Specifications:

Max. Inlet Pressure115 PSI
 Max Fluid Temperature*185° F
 Inlet Port Thread.....1/2"-14 BSP-F
 Discharge Port Thread.....3/8"-9 BSP-F
 Shaft Diameter.....9/16"/24 mm
 Pump Dimensions12.4"x9.2"x5.7"
 Crankcase Oil Capacity40.6 oz./1.2 liters
 Use GP Series 100 Oil (see page 55)
 Shipping Weight.....31.0 lbs.
 Product GroupV

* Please consult technical manual or GP Sales Representative for Temperature/Inlet Pressure information

TSF Series 66SS - Features:

- New plunger design improves thermal shock resistance
- 316 stainless steel wetted parts
- 316 stainless steel manifold
- Stainless steel inlet/outlet valve plugs with improved hydrostatic performance
- Fully anodized crankcase
- Patented "high tech" low and high pressure seals

TSF Series 66SS - Specifications:

Max. Inlet Pressure 115 PSI
 Max. Fluid Temperature *185° F
 Inlet Port Thread 3/4"-14 BSP-F
 Discharge Port Thread 3/8"-19 BSP-F
 Shaft Diameter..... 945"/24 mm
 Pump Dimensions 13.4"x9.83"x6.28"
 Crankcase Oil Capacity 40.6 oz./1.2 liters
 Use GP Series 100 Oil (see page 55)
 Shipping Weight..... 42 lbs.
 Product Group V

KEZ Series - Features:

- Patent-pending symmetrical power end featuring top and bottom mounting holes allowing for easy left to right shaft conversion
- Low-high pressure packing design with integrated cooling system
- High volumetric efficiency suction/delivery valves
- Splash lubrication
- New high performance aluminum alloy connecting rods and a floating wrist pin enable extra load at half the weight, reducing vibrations and off center loads for quieter operation
- Patented "high tech" low and high pressure seals

KEZ Series - Specifications:

Max. Inlet Pressure 45 PSI
 Max. Fluid Temperature *185° F
 Inlet Port Thread 1" NPT-F
 Discharge Port Thread 1/2" NPT-F
 Shaft Diameter 1.181"/30 mm
 Stroke 0.9055"/23 mm
 Pump Dimensions 15.1"x13.4"x7.7"
 Crankcase Oil Capacity 67.63 oz./2 liters
 Use GP Series 220 Oil (see page 55)
 Shipping Weight..... 88 lbs.
 Product Group V

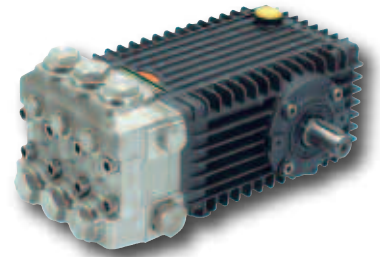
HFN Series - Features:

- Patent-pending symmetrical power end featuring top and bottom mounting holes allowing for easy left to right shaft conversion
- Low-high pressure packing design with integrated cooling system
- High volumetric efficiency suction/delivery valves
- Splash lubrication
- New high performance aluminum alloy connecting rods and a floating wrist pin enable extra load at half the weight, reducing vibrations and off center loads for quieter operation
- Patented "high tech" low and high pressure seals

HFN Series - Specifications:

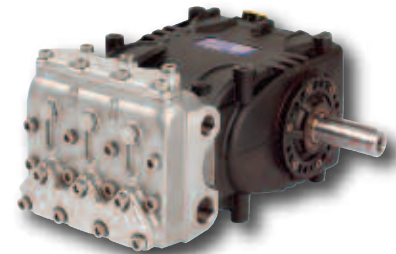
Max. Inlet Pressure 45 PSI
 Max. Fluid Temperature *140° F
 Inlet Port Thread 1" NPT-F
 Discharge Port Thread 3/4" NPT-F
 Shaft Diameter 1.575"/40 mm
 Stroke..... 1.969"/50 mm
 Pump Dimensions 20.0"x14.5"x9.4"
 Crankcase Oil Capacity 128.5 oz./3.8 liters
 Use GP Series 220 Oil (see page 55)
 Shipping Weight..... 132 lbs.
 Product Group V

TSF SERIES 66SS



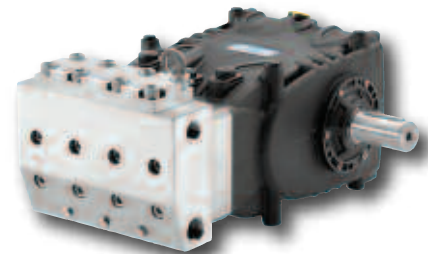
TSF SERIES 66SS			
MODEL	GPM	PSI	RPM
TSF2019SS	7.5 GPM	3,000 PSI	1750 RPM
TSF2021SS	8.5 GPM	3,000 PSI	1750 RPM
TSF2221SS	10.2 GPM	3,000 PSI	1750 RPM
TSF2421SS	12.0 GPM	3,000 PSI	1750 RPM

KEZ SERIES



KEZ SERIES			
MODEL	GPM	PSI	RPM
KEZ20A	8.0 GPM	3,000 PSI	1450 RPM
KEZ22A	10.0 GPM	3,000 PSI	1450 RPM
KEZ24A	11.9 GPM	3,000 PSI	1450 RPM
KEZ28HA	16.1 GPM	2,170 PSI	1450 RPM
KEZ30HA	18.5 GPM	1,880 PSI	1450 RPM
KEZ36HA	26.4 GPM	1,450 PSI	1450 RPM

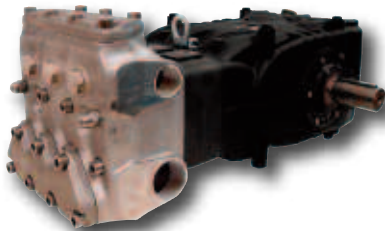
HFN SERIES



HFN SERIES			
MODEL	GPM	PSI	RPM
HFN25A	19.44 GPM	4,060 PSI	1000 RPM

* Please consult technical manual or GP Sales Representative for Temperature/Inlet Pressure information

INDUSTRIAL PUMPS



KFMZ SERIES

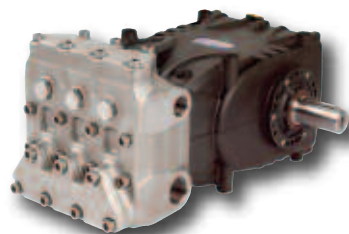
KFMZ SERIES			
MODEL	GPM	PSI	RPM
KFMZ40A	45.0 GPM	2,000 PSI	900 RPM

KFMZ Series - Features:

- Specifically designed to pump saltwater for saltwater injection applications
- 17-4 stainless steel valves are guided to promote efficient delivery of fluids
- Energized packings/seals
- Extended crosshead features open design and double lip oil seals
- Patent-pending symmetrical power end featuring top and bottom mounting holes allowing for easy left to right shaft conversion
- New high performance aluminum alloy connecting rods and a floating wrist pin enable extra load at half the weight, reducing vibrations and off center loads for quieter operation

KFMZ Series - Specifications:

Max. Inlet Pressure.....45 PSI
 Inlet Port Thread.....1-1/2" NPT
 Discharge Port Thread.....1" NPT
 Shaft Diameter1.574"/40 mm
 Stroke.....1.969"/50 mm
 Pump Dimensions.....25.6"x10.0"x9.9"
 Crankcase Oil Capacity132.0 oz./4 liters
 Use GP Series 220 Oil (see page 55)
 Shipping Weight.....165 lbs.
 Product GroupV



KFZ SERIES

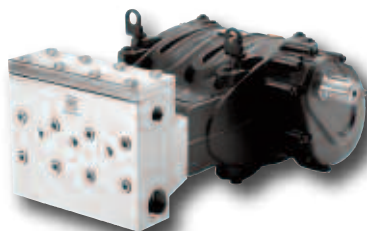
KFZ SERIES			
MODEL	GPM	PSI	RPM
KFZ28A	24.5 GPM	3,000 PSI	1000 RPM
KFZ30A	28.0 GPM	2,900 PSI	1000 RPM
KFZ36A	32.2 GPM	2,300 PSI	800 RPM
	36.2 GPM	2,050 PSI	900 RPM
	40.0 GPM	1,900 PSI	1000 RPM
KFZ40A	45.0 GPM	1,600 PSI	900 RPM

KFZ Series - Features:

- Patent-pending symmetrical power end featuring top and bottom mounting holes allowing for easy left to right shaft conversion
- Low-high pressure packing design with integrated cooling system
- High volumetric efficiency suction/delivery valves
- Splash lubrication
- New high performance aluminum alloy connecting rods and a floating wrist pin enable extra load at half the weight, reducing vibrations and off center loads for quieter operation

KFZ Series - Specifications:

Max. Inlet Pressure.....45 PSI
 Max Fluid Temperature185° F
 Inlet Port Thread.....1-1/2" NPT
 Discharge Port Thread.....1" NPT
 Shaft Diameter1.574"/40 mm
 Stroke.....1.969"/50 mm
 Pump Dimensions.....20.7"x14.5"x9.9"
 Crankcase Oil Capacity.....128.5 oz./3.8 liters
 Use GP Series 220 Oil (see page 55)
 Shipping Weight.....150 lbs.
 Product GroupV



MWN SERIES

MWN SERIES			
MODEL	GPM	PSI	RPM
MWN32A	36.0 GPM	4,350 PSI	1500/1800,2200/2600 RPM
MWN36A	45.4 GPM	3,500 PSI	1500/1800,2200/2600 RPM
MWN40A	56.0 GPM	2,750 PSI	1500/1800,2200/2600 RPM
MWN45A	71.0 GPM	2,250 PSI	1500/1800,2200/2600 RPM
MWN50A	87.5 GPM	1,800 PSI	1500/1800,2200/2600 RPM
MWN55A	106.0 GPM	1,450 PSI	1500/1800,2200/2600 RPM

MWN Series - Features:

- Low-high pressure packing design with integrated cooling system
- Vertically fitted suction/delivery valves
- Splash lubrication
- Gear ratios: 1500 RPM=1.876:1, 1800 RPM=2.238:1, 2200 RPM=2.722:1, 2600 RPM=3.25:1
- Optional drain/prime valve kit included

MWN Series - Specifications:

Max. Inlet Pressure.....45 PSI
 Max Fluid Temperature140° F
 Inlet Port Thread.....See specification sheet
 Discharge Port Thread.....See specification sheet
 Shaft Diameter1.969"/50 mm
 Stroke.....2.756"/70 mm
 Pump Dimensions29.5"x23.0"x15.5"
 Crankcase Oil Capacity.....304.35 oz./9 liters
 Use GP Series 220 Oil (see page 55)
 Shipping Weight.....540 lbs.
 Product GroupV

* Please consult technical manual or GP Sales Representative for Temperature/Inlet Pressure information

LKN Series - Features:

- Low-high pressure packing design with integrated cooling system
- Vertically fitted suction/delivery valves
- Splash lubrication
- Gear ratios: 1500 RPM=2.95:1, 1750 RPM=3.158:1, 1900 RPM=3.389:1

LKN SERIES



LKN Series - Specifications:

Max. Inlet Pressure45 PSI
 Max. Fluid Temperature*140° F
 Inlet Port Thread.....See specification sheet
 Discharge Port Thread.....See specification sheet
 Shaft Diameter1.969"/50 mm
 Stroke:.....2.756"/70 mm
 Pump Dimensions36.8"x26.5"x13.7"
 Crankcase Oil Capacity.....473.4 oz./14 liters
 Use GP Series 220 Oil (see page 55)
 Shipping Weight829 lbs.
 Product GroupV

* Please consult technical manual or GP Sales Representative for Temperature/Inlet Pressure information

LKN SERIES			
MODEL	GPM	PSI	RPM
LKN3615	37.0 GPM	5,800 PSI	1500 RPM
LKN3617	40.1 GPM	5,800 PSI	1750 RPM
LKN4015	45.7 GPM	5,075 PSI	1500 RPM
LKN4017	49.7 GPM	5,075 PSI	1750 RPM
LKN4515	57.6 GPM	4,060 PSI	1500 RPM
LKN4517	62.8 GPM	4,060 PSI	1750 RPM
LKN5015	71.0 GPM	3,335 PSI	1500 RPM
LKN5017	77.6 GPM	3,335 PSI	1750 RPM
LKN5515	86.1 GPM	2,755 PSI	1500 RPM
LKN5517	93.7 GPM	2,755 PSI	1750 RPM
LKN6015	102.4 GPM	2,320 PSI	1500 RPM
LKN6017	111.7 GPM	2,320 PSI	1750 RPM

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INDUSTRIAL ACCESSORIES

Industrial Unloaders



RA2L



RA2



ZKX600



YVB16



ZK3608SS



YVRP12029

Product Group: K

INDUSTRIAL UNLOADERS						
MODEL	GPM	RATED	INLET	OUTLET	BYPASS	SHP WGHT
<i>Manual bypass lever and automatic operation</i>						
RA2L	61.0 GPM	3,050 PSI	1" BSP-F	3/4" BSP-F	1-1/4" BSP-F	12.0 lbs.
<i>Automatic only</i>						
RA2	61.0 GPM	3,050 PSI	1" BSP-F	3/4" BSP-F	1-1/4" BSP-F	10.0 lbs.
ZKX600	16.0 GPM	8,700 PSI	1/2" BSP-F	1/2" BSP-F	1/2" BSP-M	17.6 lbs.

INDUSTRIAL UNLOADERS						
MODEL	GPM	MAX	INLET	OUTLET	BYPASS	SHP WGHT
YVB16	21.0 GPM	8,120 PSI	1/2" BSP-F	1/2" BSP-F	1/2" BSP-F	7.6 lbs.
YVB280SS	21.0 GPM	4,500 PSI	1/2" BSP-F	1/2" BSP-F	1/2" BSP-F	2.7 lbs.
YVB4021SS	21.0 GPM	4,500 PSI	1/2" BSP-F	1/2" BSP-F	1/2" BSP-F	2.0 lbs.
ZK3608SS (316 SS)	7.92 GPM	3,600 PSI	3/8" BSP-F	3/8" BSP-F	(2) 3/8" BSP-F	2.3 lbs.
ZK7216SS	15.85 GPM	7,200 PSI	1/2" BSP-F	1/2" BSP-F	(2) 1/2" BSP-F	5.9 lbs.
ZKBH3030	29.0 GPM	3,050 PSI	1/2" BSP-F	1/2" BSP-F	3/4" BSP-F	5.5 lbs.
YVB5121B	21.0 GPM	5,100 PSI	1/2" NPT-F	1/2" NPT-F	1/2" NPT-F	2.4 lbs.
YVRP12029	120.0 GPM	2,900 PSI	(2) 1-1/4" BSP-F	1-1/4" BSP-F	1-1/2" BSP-F	6.5 lbs.

Industrial Regulating Valves



R1/200



R2



R3HP/450

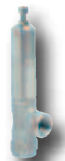


ZKTIMAX

Product Group: K

INDUSTRIAL UNLOADERS						
MODEL	GPM	MAX	INLET	OUTLET	BYPASS	SHP WGHT
YVS7250	21.0 GPM	7,250 PSI	1/2" BSP-F	N/A	3/8" BSP-F	3.2 lbs.
R1/200A	29.0 GPM	2,900 PSI	3/4" NPT-F	N/A	3/4" NPT-F	6.2 lbs.
R1/400A	29.0 GPM	5,800 PSI	3/4" NPT-F	N/A	3/4" NPT-F	6.2 lbs.
R1/600A	18.5 GPM	8,700 PSI	3/4" NPT-F	N/A	3/4" NPT-F	6.2 lbs.
R2	61.0 GPM	3,050 PSI	1" BSP-F	3/4" BSP-F	1-1/4" BSP-F	10.0 lbs.
R3LP/230	132.0 GPM	3,335 PSI	1-1/4" BSP-F	N/A	1-1/4" BSP-F	13.2 lbs.
R3HP/450	90.0 GPM	6,500 PSI	1" BSP-F	N/A	1" BSP-F	13.2 lbs.
RV14/800	26.4 GPM	11,600 PSI	Flanged/Block/SM	1/2" G-F Special	1" BSP-M	22.0 lbs.
RV14/1500	26.4 GPM	21,750 PSI	Flanged/Block/SM	1/2" G-F Special	3/4" BSP-M	22.0 lbs.
RV14/1200VH	7.9 GPM	17,400 PSI	Flanged/Block/VF	1/2" G-F Special	3/4" BSP-M	22.0 lbs.
RV14/1500A	7.9 GPM	21,750 PSI	Flanged/Block/VF	1/2" G-F Special	3/4" BSP-M	22.0 lbs.
<i>Features manual bypass lever and automatic operation:</i>						
R2L	61.0 GPM	3,050 PSI	1" BSP-F	3/4" BSP-F	1-1/4" BSP-F	11.0 lbs.
<i>1.125" I.D. Hose Barb:</i>						
ZKTIMAX	53.0 GPM	870 PSI	3/4" BSP-F	1/2" BSP-F	1" BSP-F	4.5 lbs.

Industrial Regulating Valves Stainless Steel



ZKSX1



R1X



RX3



YVS280SS

Product Group: K

STAINLESS STEEL INDUSTRIAL REGULATING VALVES						
MODEL	GPM	MAX	INLET	OUTLET	BYPASS	SHP WGHT
YVS235S	5.3 GPM	2,300 PSI	(2) 1/4" BSP-F	1/4" BSP-F	N/A	1.0 lbs.
ZKSX1 (316 SS)	16.0 GPM	3,600 PSI	1/2" BSP-F	N/A	1/2" BSP-F	2.3 lbs.
R1X/200A	29.0 GPM	2,900 PSI	3/4" NPT-F	N/A	3/4" NPT-F	6.2 lbs.
R1X/400A	29.0 GPM	5,800 PSI	3/4" NPT-F	N/A	3/4" NPT-F	6.2 lbs.
R1X/600A	18.5 GPM	8,700 PSI	3/4" NPT-F	N/A	3/4" NPT-F	6.2 lbs.
RX3/100	120.0 GPM	1,450 PSI	1" BSP-F	3/4" BSP-F	1-1/4" BSP-F	11.0 lbs.
RX3/300	132.0 GPM	4,350 PSI	1" BSP-F	3/4" BSP-F	1-1/4" BSP-F	11.2 lbs.
YVS280SS	21.0 GPM	4,500 PSI	1/2" BSP-F	1/2" BSP-F	1/2" BSP-F	2.7 lbs.

INDUSTRIAL ACCESSORIES



SV2



S723



SX3

Industrial Safety Relief Valves

Product Group: K

INDUSTRIAL SAFETY RELIEF VALVES					
MODEL	GPM	MAX	INLET	DISCHARGE	SHP WGHT
S723/100	60.8 GPM	1,450 PSI	1/2" BSP-M	Side	3.8 lbs.
S723/200	60.8 GPM	2,900 PSI	1/2" BSP-M	Side	3.8 lbs.
S723/300	60.8 GPM	4,350 PSI	1/2" BSP-M	Side	3.8 lbs.
S723/400	60.8 GPM	5,800 PSI	1/2" BSP-M	Side	3.8 lbs.
S723/500	60.8 GPM	7,250 PSI	1/2" BSP-M	Side	3.8 lbs.
S723/600	60.8 GPM	8,700 PSI	1/2" BSP-M	Side	3.8 lbs.
S723/700	60.8 GPM	10,150 PSI	1/2" BSP-M	Side	3.8 lbs.
S455/100	132.0 GPM	1,450 PSI	3/4" BSP-M	1/2" Hose Barb	11.7 lbs.
S455/200	132.0 GPM	2,900 PSI	3/4" BSP-M	1/2" Hose Barb	11.7 lbs.
S455/300	132.0 GPM	4,350 PSI	3/4" BSP-M	1/2" Hose Barb	11.7 lbs.
S455/400	132.0 GPM	5,800 PSI	3/4" BSP-M	1/2" Hose Barb	11.7 lbs.
SV12/800	26.4 GPM	11,600 PSI	1/2" BSP-M	Bottom	2.5 lbs.
SV12/1000	26.4 GPM	14,500 PSI	1/2" BSP-M	Bottom	2.5 lbs.
SV12/1100	26.4 GPM	15,950 PSI	1/2" BSP-M	Bottom	2.5 lbs.
SV12/1250	26.4 GPM	18,125 PSI	1/2" BSP-M	Bottom	2.5 lbs.
SV12/1500	26.4 GPM	21,750 PSI	1/2" BSP-M	Bottom	2.5 lbs.
Stainless Steel:					
YVS23SS	5.3 GPM	2,300 PSI	1/4" BSP-F	1/4" BSP-F	0.5 lbs.
SX2/100	50.0 GPM	1,450 PSI	1/2" BSP-M	Bottom	2.5 lbs.
SX2/200	50.0 GPM	2,900 PSI	1/2" BSP-M	Bottom	2.5 lbs.
SX2/300	50.0 GPM	4,350 PSI	1/2" BSP-M	Bottom	2.5 lbs.
SX2/400	50.0 GPM	5,800 PSI	1/2" BSP-M	Bottom	2.5 lbs.
SX2/500	50.0 GPM	7,250 PSI	1/2" BSP-M	Bottom	2.5 lbs.
SX3/200	132.0 GPM	2,900 PSI	3/4" NPT-F	Bottom	2.5 lbs.
SX3/300	132.0 GPM	4350 PSI	3/4" NPT-F	Bottom	2.5 lbs.



S1503



S1510

Industrial Safety Valves

Product Group: K

INDUSTRIAL SAFETY VALVES						
MODEL	GPM	MIN	SETTING PRESSURE	*INLET	OUTLET	SHP WGHT
S1503/700	2.6 to 7.9 GPM	10,150 PSI	10,150 PSI	1/2" BSP-M	14 mm Hose Barb	2.2 lbs.
S1503/800	2.6 to 7.9 GPM	10,150 PSI	11,600 PSI	1/2" BSP-M	14 mm Hose Barb	2.2 lbs.
S1503/1000	2.6 to 7.9 GPM	10,150 PSI	14,500 PSI	1/2" BSP-M	14 mm Hose Barb	2.2 lbs.
S1503/1100	2.6 to 7.9 GPM	10,150 PSI	15,950 PSI	1/2" BSP-M	14 mm Hose Barb	2.2 lbs.
S1503/1200	2.6 to 7.9 GPM	10,150 PSI	17,500 PSI	1/2" BSP-M	14 mm Hose Barb	2.2 lbs.
S1503/1400	2.6 to 7.9 GPM	10,150 PSI	20,300 PSI	1/2" BSP-M	14 mm Hose Barb	2.2 lbs.
S1503/1600	2.6 to 7.9 GPM	10,150 PSI	23,200 PSI	1/2" BSP-M	14 mm Hose Barb	2.2 lbs.
S1503/1800	2.6 to 7.9 GPM	10,150 PSI	26,100 PSI	1/2" BSP-M	14 mm Hose Barb	2.2 lbs.
S1510/800	5.2 to 26.4 GPM	6,960 PSI	11,600 PSI	1/2" BSP-M	25 mm Hose Barb	6.0 lbs.
S1510/1000	5.2 to 26.4 GPM	6,960 PSI	14,500 PSI	1/2" BSP-M	25 mm Hose Barb	6.0 lbs.
S1510/1100	5.2 to 26.4 GPM	6,960 PSI	15,950 PSI	1/2" BSP-M	25 mm Hose Barb	6.0 lbs.
S1510/1250	5.2 to 26.4 GPM	6,960 PSI	18,125 PSI	1/2" BSP-M	25 mm Hose Barb	6.0 lbs.
S1510/1500	5.2 to 26.4 GPM	6,960 PSI	21,750 PSI	1/2" BSP-M	25 mm Hose Barb	6.0 lbs.
S1510/1800	5.2 to 26.4 GPM	6,960 PSI	26,100 PSI	1/2" BSP-M	25 mm Hose Barb	6.0 lbs.

*Please note these valves are only for use with VF, VK, SM and SK Series Pumps and require use of conical seal 680086.

INDUSTRIAL ACCESSORIES

Industrial Pneumatic Valves



YRVP26SS



FPN12

Product Group: K

INDUSTRIAL PNEUMATIC VALVES						
MODEL	GPM	MAX	INLET	OUTLET	BYPASS	SHP WGHT
YVRPP26SS	21.0 GPM	4,500 PSI	1/2" BSP-F	1/2" BSP-F	1/2" BSP-F	8.2 lbs.
PNRA2	61.0 GPM	3,050 PSI	1" BSP-F	3/4" BSP-F	1-1/4" BSP-M	11.0 lbs.
PNR2	61.0 GPM	3,050 PSI	1" BSP-F	3/4" BSP-F	1-1/4" BSP-M	11.0 lbs.
PN2	61.0 GPM	7,250 PSI	1-1/2" BSP-F	1-1/2" BSP-M	1-1/2" BSP-M	55.0 lbs.
PN4/200	132.0 GPM	2,900 PSI	1-1/2" BSP-F	1-1/2" BSP-F	1-1/2" BSP-F	35.3 lbs.
PN4/300	95.0 GPM	4,300 PSI	1-1/2" BSP-F	1-1/2" BSP-M	1-1/2" BSP-M	35.3 lbs.
PN4/450	64.0 GPM	6,530 PSI	1-1/2" BSP-F	1-1/2" BSP-M	1-1/2" BSP-M	35.3 lbs.
PNRV12/800	26.4 GPM	11,600 PSI	Flanged/Block	3/4" BSP-F	1" BSP-F	17.6 lbs.
PNRV14/VH	26.4 GPM	17,400 PSI	Flanged/Block	1/2" BSP-F	1" BSP-F	17.6 lbs.
PNRV14/1500	26.4 GPM	21,750 PSI	Flanged/Block	3/4" BSP-F	1" BSP-F	17.6 lbs.
Features check valve:						
PN/VU2	61.0 GPM	3,050 PSI	1" BSP-F	3/4" BSP-F	1-1/4" BSP-M	17.5 lbs.
FPN12	21.0 GPM	17,400 PSI	3/8" BSP-F	3/8" BSP-F	3/8" BSP-F	55.3 lbs.
FPN14	21.0 GPM	21,750 PSI	3/8" BSP-F	3/8" BSP-F	3/8" BSP-F	55.3 lbs.

Jetter Valves

For Use in Sewer Cleaning Applications



100315

Product Group: K

JETTER VALVES		
MODEL	DESCRIPTION	SHP WGHT
100315	Use with TT Pumps (Replaces Valve Cap)	0.7 lbs.
100316	Use with EZ Pumps (Replaces Valve Cap)	0.7 lbs.
100317	Use with 47 Series Pumps (Replaces Valve Cap, Coarse Thread)	0.7 lbs.
100072	Use with 47 Series Pumps (Replaces Valve Cap, Fine Thread)	0.7 lbs.

Industrial Check Valve

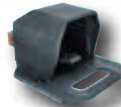


UD1

Product Group: K

INDUSTRIAL CHECK VALVES						
MODEL	GPM	RATED	MAX	INLET	OUTLET	SHP WGHT
UD1	48.0 GPM	75 PSI	3,650 PSI	3/4" BSP-M	3/4" BSP-M	1.5 lbs.

Industrial Foot Valve



VP12

Product Group: K

INDUSTRIAL FOOT VALVES						
MODEL	GPM	MAX	INLET	OUTLET	BYPASS	SHP WGHT
VP12	21.0 GPM	21,750 PSI	3/8" BSP-F	3/8" BSP-F	3/8" BSP-F	22.5 lbs.

Industrial Pulsation Dampeners



A4X

Product Group: K

INDUSTRIAL PULSATION DAMPENERS						
MODEL	MATERIAL	GPM	RATED	INLET	SHP WGHT	
A4X*	316 Stainless Steel	16.0 GPM	3,050 PSI	1/2" BSP-M	7.0	
A7*	Forged Steel	43.0 GPM	3,050 PSI	1/2" BSP-M	7.0	
A7S*	Forged Steel	43.0 GPM	4,750 PSI	3/4" BSP-M	12.0	
A7X*	316 Stainless Steel	43.0 GPM	2,150 PSI	3/4" BSP-M	8.5	
A15*	Forged Steel	105.6 GPM	4,750 PSI	3/4" BSP-M	15.0	
A15X*	316 Stainless Steel	105.6 GPM	2,150 PSI	3/4" BSP-M	15.0	

*190417 Recharge and Fitting (100038 recharge kit, 680135 fitting)

INDUSTRIAL ACCESSORIES

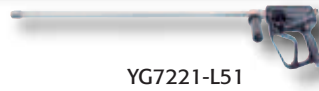


Industrial Spray Guns

Product Group: K

INDUSTRIAL SPRAY GUNS					
MODEL	DESCRIPTION	GPM	MAX	SHP WGHT	
ZP87SS	Stainless Steel Professional Gun	15.85 GPM	8,700 PSI	3.5 lbs.	
ZP87SSL29	Stainless Steel Gun with 29" Lance	15.85 GPM	8,700 PSI	4.9 lbs.	
ZP87SSL39	Stainless Steel Gun with 39" Lance	15.85 GPM	8,700 PSI	6.1 lbs.	
ZP87SSL29S	Stainless Steel Gun with 29" Lance and Shoulder Support	15.85 GPM	8,700 PSI	5.6 lbs.	
ZP87SSL39S	Stainless Steel Gun with 39" Lance and Shoulder Support	15.85 GPM	8,700 PSI	7.2 lbs.	

INDUSTRIAL SPRAY GUNS					
MODEL	DESCRIPTION	GPM	MAX	INLET	SHP WGHT
YG7207	Rear Entry Spray Gun	7.5 GPM	8,000 PSI	3/8" NPT-F	1.6 lbs.
P12	Dump Gun	21.0 GPM	21,750 PSI	1/2" BSP-F	12.0 lbs.
P45	Gun with 20" Lance	21.0 GPM	7,250 PSI	1/2" BSP-F	5.0 lbs.
P47	Gun with 39" Lance	21.0 GPM	7,250 PSI	1/2" BSP-F	10.0 lbs.
PS12	Submersible Dump Gun	21.0 GPM	21,750 PSI	1/2" BSP-F	12.5 lbs.
YG7221	Rear Entry Gun	21.0 GPM	7,250 PSI	1/2" BSP-F	5.0 lbs.
101002	YG7207 Spray Gun, with 36" Stainless Steel Lance	7.5 GPM	8,000 PSI	3/8" NPT-F	2.6 lbs.
YG2527S	Industrial Spray Gun, Straight	27.0 GPM	2,500 PSI	1/2" NPT-F	2.8 lbs.
YG4032S	Industrial Spray Gun, Straight	32.0 GPM	4,050 PSI	1/2" NPT-F	2.8 lbs.
YG23LA27	Gun, 27" Adjustable Lance, 2.3 mm Nozzle, 21.0 GPM	32.0 GPM	1,950 PSI	1/2" BSP-F	5.3 lbs.



YG7221-L51

Industrial Spray Guns

Product Group: K

INDUSTRIAL SPRAY GUNS WITH LANCE AND SIDE GRIPS									
MODEL	DESCRIPTION	GPM	RATED	MAX	INLET	OUTLET	MAX TEMP	SHP WGHT	
YG7221-L31	31" Lance	21.0 GPM	7,250 PSI	8,100 PSI	1/2" BSP-F	1/2" BSP-M	210° F	7.0 lbs.	
YG7221-L51	48" Lance	21.0 GPM	7,250 PSI	8,100 PSI	1/2" BSP-F	1/2" BSP-M	210° F	7.0 lbs.	



Y5K100



YRT87K20



ZRMAX112

Industrial Rotating Nozzles

Product Group: K

INDUSTRIAL ROTATING NOZZLES						
MODEL	NOZZLE	MAX	INLET	MAX TEMP	SHP WGHT	
Y5K100	#10	5,000 PSI	1/4" BSP-F	194° F	1.75 lbs.	
Y5K120	#12	5,000 PSI	1/4" BSP-F	194° F	1.75 lbs.	
Y5K150	#15	5,000 PSI	1/4" BSP-F	194° F	1.75 lbs.	
Y5K200	#20	5,000 PSI	1/4" BSP-F	194° F	1.75 lbs.	

INDUSTRIAL ROTATING NOZZLES						
MODEL	NOZZLE	MIN	MAX	INLET	MAX TEMP	SHP WGHT
YRT87K20	#02	2,600 PSI	8,700 PSI	1/4" BSP-F	194° F	1.2 lbs.
YRT87K30	#03	2,600 PSI	8,700 PSI	1/4" BSP-F	194° F	1.2 lbs.
YRT87K40	#04	2,600 PSI	8,700 PSI	1/4" BSP-F	194° F	1.2 lbs.
YRT87K50	#05	2,600 PSI	8,700 PSI	1/4" BSP-F	194° F	1.2 lbs.
YRT87K60	#06	2,600 PSI	8,700 PSI	1/4" BSP-F	194° F	1.2 lbs.
YRT87K70	#07	2,600 PSI	8,700 PSI	1/4" BSP-F	194° F	1.2 lbs.
YRT87K80	#08	2,600 PSI	8,700 PSI	1/4" BSP-F	194° F	1.2 lbs.

INDUSTRIAL ROTATING NOZZLES						
MODEL	ORIFICE	GPM	MAX	INLET	MAX TEMP	SHP WGHT
ZRMAX112	1.10	2.02 to 4.74 GPM	11,000 PSI	3/8" BSP-F	176° F	2.2 lbs.
ZRMAX113	1.35	3.32 to 7.78 GPM	11,000 PSI	3/8" BSP-F	176° F	2.2 lbs.
ZRMAX114	1.55	4.44 to 10.40 GPM	11,000 PSI	3/8" BSP-F	176° F	2.2 lbs.
ZRMAX115	1.80	5.71 to 13.39 GPM	11,000 PSI	3/8" BSP-F	176° F	2.2 lbs.

INDUSTRIAL ACCESSORIES

Industrial Rotating Nozzles Titanium Seat



ZRMAX2220

Product Group: K

INDUSTRIAL ROTATING NOZZLES - TITANIUM SEAT						
MODEL	ORIFICE	GPM	INLET	OUTLET	BYPASS	SHP WGHT
ZRMAX2220	.9	1.4 to 4.7 GPM	22,000 PSI	M14 x 1/2"	140° F	2.64 lbs.
ZRMAX2225	1.0	1.8 to 6.0 GPM	22,000 PSI	M14 x 1/2"	140° F	2.64 lbs.
ZRMAX2231	1.1	2.2 to 7.3 GPM	22,000 PSI	M14 x 1/2"	140° F	2.64 lbs.
ZRMAX2245	1.2	2.6 to 8.6 GPM	22,000 PSI	M14 x 1/2"	140° F	2.64 lbs.
ZRMAX2259	1.35	3.4 to 11.2 GPM	22,000 PSI	M14 x 1/2"	140° F	2.64 lbs.

Industrial Filters



F30

Product Group: K

INDUSTRIAL FILTERS							
MODEL	DESCRIPTION	GPM	PSI	MESH/MICRON	INLET	OUTLET	SHP WGHT
F50/80	Stainless Steel, Two-stage	10.5 GPM	145 PSI	70/10 Mesh	1" BSP-F	1" BSP-F	12.0 lbs.
F10	Aluminum	15.8 GPM	435 PSI	60/250	1-1/2" BSP-F	1-1/2" BSP-F	3.5 lbs.
F60	Cast Iron	52.0 GPM	110 PSI	30/595	2" BSP-F	2" BSP-M	33.0 lbs.
F20	Aluminum	53.0 GPM	145 PSI	60/250	2" BSP-F	2" BSP-F	13.0 lbs.
F30	Plastic	53.0 GPM	116 PSI	50/297	2" BSP-M	2" BSP-M	3.8 lbs.
F40	Plastic	120.0 GPM	116 PSI	50/297	3" BSP-M	3" BSP-M	6.6 lbs.
639273	Plastic	55.0 GPM	150 PSI	50/297	2" NPT-F	2" NPT-F	4.0 lbs.
639276	Plastic	125.0 GPM	150 PSI	50/297	3" NPT-F	3" NPT-F	7.0 lbs.

Industrial Accessories



190601

Product Group: J

INDUSTRIAL ACCESSORIES	
MODEL	DESCRIPTION
680094	Belt Tension Slide Plate, Rated for 40 Horsepower
680095	Priming/Drain Valve Kit for MS Series Pumps (includes 3 valves)
680096	Priming/Drain Valve Kit for LH/MK/MKS Series Pumps (includes 3 valves)
190600	Priming/Drain Valve Kit for MS Series Pumps (includes 3 valves)
190601	Priming/Drain Valve Kit for MS Series Pumps (single valve)

Tank Cleaning Nozzles



Y25450000



Y25460000



Y25459000



Y25430060



Y25438060



Y25482000

Product Group: K

TANK CLEANING NOZZLES				
MODEL	DESCRIPTION	GPM	MAX	SHP WGHT
Y25450000	M63 for Small Openings, 24V	4.0 to 10.5 GPM	2,000 PSI	14.0 lbs.
Y25477000	M85 Electric for Large Openings, 24V	21.0 GPM	2,000 PSI	14.0 lbs.
Y25460000	M63 Self-propelled for Small Openings	4.0 o 10.5 GPM	2,000 PSI	14.0 lbs.
Y25475000	M85 Self-propelled for Large Openings	21.0 GPM	2,000 PSI	14.0 lbs.
Y25459000	M63 Pneumatic for Small Openings	4.0 o 10.5 GPM	2,000 PSI	10.0 lbs.
Y25479000	M85 Pneumatic for Large Openings	21.0 GPM	2,000 PSI	11.5 lbs.
Y25482000	A80R Self-propelled <i>Request modified version when using non-rigid drop</i>	6.0 to 32.0 GPM	2,000 PSI	11.0 lbs.
Y25485000	A80R2 Self-propelled (high RPM version) <i>Request modified version when using non-rigid drop</i>	6.0 to 21.0 GPM	2,000 PSI	11.0 lbs.
Y25430060	M21 Electric for Barrel Cleaning - For use with pressure washer - 110V	5.5 GPM	3,200 PSI	7.0 lbs.
Y25435060	M25E Electric for Barrel Cleaning - With suction capability - 110V	6.5 GPM	2,300 PSI	9.0 lbs.
Y25438060	M28E Electric for Barrel Cleaning - With 90° motor for small areas - With suction capability	6.5 GPM	2,300 PSI	9.0 lbs.

ACCESSORIES



LUBRICANTS

TRAPPED PRESSURE UNLOADERS

FLOW SENSITIVE UNLOADERS

REGULATING VALVES

SAFETY RELIEF VALVES

NEEDLE VALVES

PUMP THERMAL PROTECTORS

CHECK VALVES

CHEMICAL INJECTORS

SPRAY GUNS

LANCES

HOSE REELS

HIGH-PRESSURE SPRAY TIPS

ROTATING NOZZLES

TANK CLEANING NOZZLES

ADJUSTABLE NOZZLES

COUPLERS AND FITTINGS

INLET FILTERS AND STRAINERS

THERMOSTATS

PRESSURE SWITCHES

FLOW SWITCHES

SWIVELS

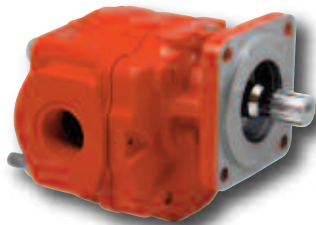
ACCUMULATORS

GAUGES

HYDRAULIC DRIVE

HYDRAULIC VERSIONS OF 51(TT), 60(TC) AND 63(TX) SERIES PUMPS

SAE Type "A" Flange, 5/8" Straight Shaft



639723*
Motor



TT1509HA28
3.43 GM
2,175 PSI
2500 RPM

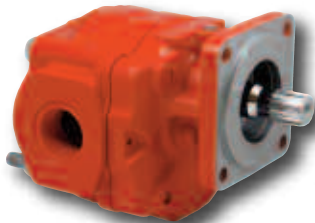


TC1809HA17
3.30 GM
2,165 PSI
1750 RPM



TX1812HA17
4.20 GM
2,645 PSI
1750 RPM

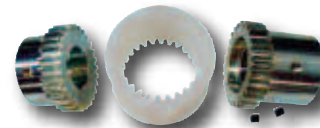
HYDRAULIC FLANGE/COUPLER FOR 47, 66(TSF/TSP) SERIES PUMPS



639664*
Muncie Motor



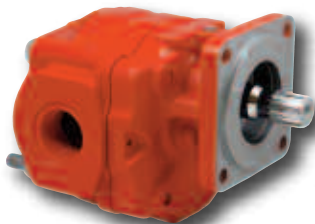
ZFH47SB
SAE Type "B", 2 Bolt



ZGH47SB
SAE Type "B", 7/8" Straight Shaft

*Call GP
for
hydraulic
motor
requirements

HYDRAULIC FLANGE/COUPLER FOR 47, 66(TSF/TSP) SERIES PUMPS



639611*
Muncie Motor



ZFH70SB
SAE Type "B", 2 and 4 Bolt

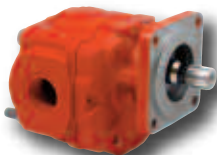


ZGH70SB
SAE Type "B", 1" Straight Shaft

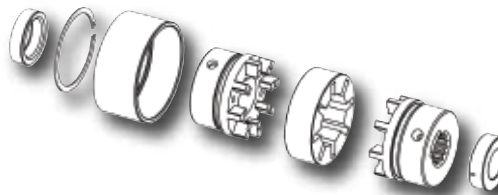
HYDRAULIC FLANGE/COUPLER FOR 71 & 72 (KF, HF, VF, VK and KS) SERIES PUMPS



ZFH71SC
SAE Type "C", 2 and 4 Bolt



639660*
Muncie Motor



For separate
coupler pieces
call GP

To be used with these GP Couplers:

ZGH71SCB.....SAE-C-1-1/4" Parallel.....	40 mm Pump Hub and 1/1/4" Motor Hub, Blue Insert, 46 HP Max
ZGH71SCT.....SAE-C-1-1/4" Parallel.....	40 mm Pump Hub and 1-1/4" Motor Hub, Black Insert, 46 HP+
ZGH71SCR.....SAE-C-1-1/4" Parallel.....	40 mm Pump Hub and 1-1/4" Motor Hub, Red Insert, 25 HP Max
ZGH71SC14TB.....SAE-C-14T 12/24DP	40 mm Pump Hub and Splined 14 tooth 12/24 Motor Hub, Blue Insert, 46 HP Max
ZGH71SC14TT	SAE-C-14T 12/24DP .....40 mm Pump Hub and Splined 14 Tooth 12/24 Motor Hub, Black Insert, 46 HP +
ZGH71SC14TR.....SAE-C-14T 12/24DP	40 mm Pump Hub and splined 14 tooth 12/24 Motor Hub, Red Insert, 25 HP Max

Gear Reducers and Multipliers



ZGRS1000



YGR1125P31



ZGRPTO

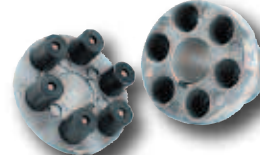
Product Group: F

GEAR REDUCERS AND MULTIPLIERS		
MODEL	DESCRIPTION	SHP WGHT
ZGR0750	2.4 to 1 Reduction for 3/4" Shafted Engines, 3 to 5 HP, J609A (Series 49 and 50 at 1450 RPM)	5.0 lbs.
SGR1125	Mounting Plate for Flat Mounting (ZGR1000 and ZGR1125)	0.5 lbs.
ZGRS1000	2.2 to 1, 1" Shafted Engines, Up to 25 HP, J609A Flange	9.5 lbs.
ZGRS1125	2.2 to 1, 1-1/8" Shafted Engines, Up to 25 HP, J609A Flange	9.5 lbs.
ZGRS1000H	2.2 to 1, 1" Shaft, Honda® Approved for GX240-GX390	9.5 lbs.
YGR0750	2.3 to 1 Reduction, 3/4" Shafted Engines, 3 to 5 HP, J609A (Series 49 and 50 at 1450 RPM)	4.0 lbs.
YGR1000	2.2 to 1 Reduction, Dual Bearings, 1" Shafted Engines, 11 to 18 HP, J609B (Series 47 at 1450 RPM)	6.0 lbs.
YGR1000P	2.2 to 1 Reduction, Dual Bearings, 1" Shafted Engines, 11 to 24 HP, J609B (Series 47 and 66 at 1450 RPM)	6.0 lbs.
YGR1125	2.2 to 1 Reduction, 1-1/8" Shaft, Dual Bearings, 11 to 18 HP, J609F (Series 47 and 48 at 1450 RPM)	6.0 lbs.
YGR1125P	2.2 to 1 Reduction, Dual Bearings, 1-1/8" Shafted Engines, 11 to 24 HP, J609B (Series 47, 48 and 66 at 1450 RPM)	6.0 lbs.
YGR1125P31	2.2 to 1 Reduction, Dual Bearings, 1-1/8" Shafted Engines. 20 to 31 HP, J609B (Series 47, 48 and 66 at 1450 RPM)	6.0 lbs.
ZGRPTO	1 to 1.9 Multiplier, 540 RPM PTO, 1-3/8" Spline Shaft, Up to 10 HP Pumps	9.5 lbs.

Flex Couplers



ZGL100



ZG184TC

Product Group: F

FLEX COUPLERS		
MODEL	DESCRIPTION	SHP WGHT
ZG56C	24 mm x 5/8" (Finger)	1.2 lbs.
ZG145TC	24 mm x 7/8" (Finger)	1.3 lbs.
ZG184TC	24 mm x 1-1/8" (Finger)	1.5 lbs.
ZG202	24 mm x 1-3/8" (Finger)	2.5 lbs.
ZGL100	24 mm x 1" (Jaw) for use with ZF811 on 8 to 11 HP Engines	3.0 lbs.

Flanges



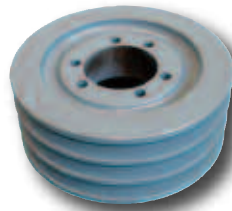
ZF184

Product Group: F

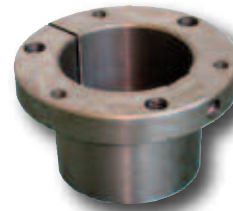
FLANGES - ENSURE PUMP & MOTOR RPMS MATCH WHEN SELECTING		
MODEL	DESCRIPTION	SHP WGHT
ZF184N	For NEMA-C Electric Motors 184TC Frame, Use with ZG184TC Coupler (Series 63 and 44)	3.5 lbs.
ZF184	For NEMA-C Electric Motors 184TC Frame, 3 and 5 HP (Series 50 Pumps)	3.0 lbs.
ZF213215	For NEMA-C Electric Motors, 213TC, 215 TC and 184TC Frames, 5 and 7-1/2 HP (Series 47 and 48 Pumps)	4.0 lbs.
ZF56145	For NEMA-C Electric Motors, 56C, 145TC and 182TC Frames, 1-1/2 and 2 HP (Series 49 and 50 Pumps)	1.5 lbs.
ZF811	Gas Engine Flange for 8 to 11 GP Gas Engines (TT9351 or TT9441 Pumps)	3.0 lbs.
ZFWWS	Gas Engine Flange for 3.5 to 8 HP Gas Engines (TT/TP Series 51 Pumps)	2.0 lbs.
ZFWWU	For NEMA-C Electric Motors, 56C Frame (TT/TP Series 51 Pumps)	2.0 lbs.
ZFH70SB	Hydraulic Flange, SAE-B (KE Series), Call GP Sales for More Information	6.0 lbs.
ZFH71SC	Hydraulic Flange SAE-C (KF, HF, VF, KS Series), Call GP Sales for More Information	6.0 lbs.



ZP-Pulleys



ZP3B60



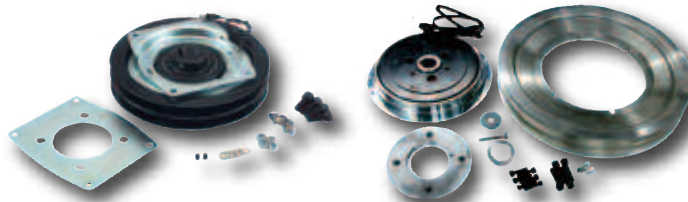
ZUH178

Pulleys

Product Group: F

PULLEYS		
MODEL	DESCRIPTION	SHP WGHT
ZP100	3.94 in. / 100 mm, 2 Groove, A Section, Aluminum	1.0 lbs.
ZP140	5.51 in. / 140 mm, 2 Groove, A Section, Aluminum	1.4 lbs.
ZP160	6.30 in. / 160 mm, 2 Groove, A Section, Aluminum	1.8 lbs.
190225	Pulley and Rail Kit (includes 639015 and (2) 540014)	1.5 lbs.
639015	1 Groove, B Section, Aluminum, 8" Outer Diameter, 24 mm Hub	1.5 lbs.
ZP4140	4 Groove, B Section, Aluminum, 32 mm	
ZP3B136	Pulley, 13.95 OD, 3 Groove, SK (can be used in the CW1541 to HTCK4050S conversion)	
ZP3B60	Pulley, 6.35 OD, 3 Groove, SD (can be used in the CE1541 to HTCK4050S conversion)	

BROWNING TYPE "H" PULLEY BUSHINGS		
MODEL	DESCRIPTION	SHP WGHT
ZBBH24	24 mm	0.5 lbs.
ZUH30	30 mm, Universal	1.0 lbs.
ZBBH35	35 mm	0.5 lbs.
ZUH40	40 mm, Universal	1.0 lbs.
ZUH178	1-7/8", SD Type	



100687

100976

Clutches

Product Group: F

CLUTCHES		
MODEL	DESCRIPTION	SHP WGHT
100687	12 Volt Double "A" Groove Clutch Adapter Kit for 47 Series Pumps	11.0 lbs.
100688	12 Volt Double "A" Groove Clutch Adapter Kit for 44, 50, 63 and WM Series Pumps	11.0 lbs.
100717	12 Volt Single "A" Groove Clutch Adapter Kit for 47 Series Pumps	11.0 lbs.
100718	12 Volt Single "A" Groove Clutch Adapter Kit for 44, 50, 63 and WM Series Pumps	11.0 lbs.
100792	24 Volt Single "A" Groove Clutch Adapter Kit for 44, 50, 63 and WM Series Pumps	11.0 lbs.
100719	24 Volt Double "A" Groove Clutch Adapter Kit for 47 Series Pumps	11.0 lbs.
100720	24 Volt Double "A" Groove Clutch Adapter Kit for 44, 50, 63 and WM Series Pumps	11.0 lbs.
100172	12 Volt Double "A" Groove Clutch Adapter Kit for 47 and 66 Series Pumps, No Pulley	25.0 lbs.
100976	12 Volt Double "B" Groove Clutch Adapter Kit for 47 and 66 Series Pumps, 12.4" Pulley	31.0 lbs.
100977	12 Volt Single "B" Groove Clutch Adapter Kit for 47 and 66 Series Pumps, 12.4" Pulley	24.0 lbs.
100163	Clutch Assembly Tool for 7" Clutch	11.0 lbs.

DRIVE COMPONENTS

Oil



100295



100552

Product Group: M

SERIES 100 OIL (30 WEIGHT)		
MODEL	DESCRIPTION	SHP WGHT
100295	Series 100 Oil, 16 oz. Bottle	3.0 lbs.
100552	Series 100 Oil, 2-1/2 Gallons	25.0 lbs.
100214	BULK PACKAGED: Series 100 Oil, 6-Pack of 16 oz. Bottles	7.0 lbs.
100216	BULK PACKAGED: Series 100 Oil, 24-Pack of 16 oz. Bottles <i>(Product Group: B)</i>	25.0 lbs.
100553	BULK PACKAGED: Series 100 Oil, (2) 2-1/2 Gallons <i>(Product Group: B)</i>	50.0 lbs.
100219	BULK PACKAGED: Series 100 Oil, 15 Gallon Plastic Drum <i>(Product Group: B)</i>	117.0 lbs.

Product Group: M

SERIES 220 OIL (50 WEIGHT)		
MODEL	DESCRIPTION	SHP WGHT
100450	Series 220 Industrial Oil, 2-1/2 Gallons	25.0 lbs.
100016	BULK PACKAGED: Series 220 Industrial Oil, 6-Pack of 16 oz. Bottles <i>(Product Group B)</i>	7.0 lbs.
100217	BULK PACKAGED: Series 220 Industrial Oil, 5 Gallons <i>(Product Group B)</i>	50.0 lbs.

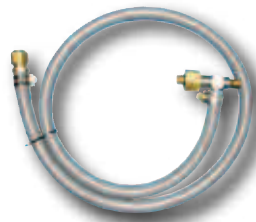
Product Group: M

SERIES 8090 OIL (80/90 GEAR LUBE)		
MODEL	DESCRIPTION	SHP WGHT
100734	Series 8090 Oil, 2-1/2 Gallons	25.0 lbs.
100735	BULK PACKAGED: Series 8090 Oil (2) 2-1/2 Gallons (Twin Pack) <i>(Product Group B)</i>	50.0 lbs.

Product Group: M

MISCELLANEOUS		
MODEL	DESCRIPTION	SHP WGHT
100256	Grease Gun Kit, 3 oz. Tube with Gun	2.0 lbs.
100264	Packing Lubricant, 3 oz. Tube	0.7 lbs.
100278	Industrial Packing Lubricant, 12 oz. Tube	0.75 lbs.

Oil Drain Kits



Oil Drain Kit

Product Group: M

OIL DRAIN KITS		
MODEL	DESCRIPTION	SHP WGHT
190446	Oil Drain Kit, 1/4" For Series 60, 63, 47, 44, 50, 60 Pumps	1.5 lbs.
190447	Oil Drain Kit, 3/8", For Series 69, 70, 76, 77 Pumps	1.5 lbs.
190448	Oil Drain Kit, 1/2", For Series 71, 72, MWS, SM Pumps	1.5 lbs.

TRAPPED PRESSURE UNLOADERS



PULSAR4LP



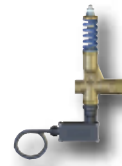
PULSAR4KLP



PULSAR4HP



PULSAR4KHP



PULSAR4HPMS

Product Group: S

PULSAR4 TRAPPED PRESSURE UNLOADERS									
MODEL	GPM	RATED	MAX	INLET	OUTLET	BYPASS	MAX TEMP	SHP WGHT	
Lower Pressure Unloader, White Spring									
PULSAR4LP	10.5 GPM	2,300 PSI	2,600 PSI	(2) 3/8" NPT-F	3/8" NPT-F	(2) 3/8" NPT-F	195° F	1.5 lbs.	
PULSAR4KLP	10.5 GPM	2,300 PSI	2,600 PSI	(2) 3/8" NPT-F	3/8" NPT-F	(2) 3/8" NPT-F	195° F	1.6 lbs.	
High Pressure Unloader, Blue Spring									
PULSAR4HP	10.5 GPM	4,050 PSI	4,500 PSI	(2) 3/8" NPT-F	3/8" NPT-F	(2) 3/8" NPT-F	195° F	1.6 lbs.	
PULSAR4KHP	10.5 GPM	4,050 PSI	4,500 PSI	(2) 3/8" NPT-F	3/8" NPT-F	(2) 3/8" NPT-F	195° F	1.7 lbs.	
With Stainless Steel Check Valve									
PULSAR4KHPS	10.5 GPM	4,050 PSI	4,500 PSI	(2) 3/8" NPT-F	3/8" NPT-F	(2) 3/8" NPT-F	195° F	1.6 lbs.	
With EZ Start and Knob									
PULSAR4KHPEZ	10.5 GPM	4,050 PSI	4,500 PSI	(2) 3/8" NPT-F	3/8" NPT-F	(2) 3/8" NPT-F	195° F	1.7 lbs.	
With Microswitch - 16A Resistive Load, 6A Inductive Load									
PULSAR4HPMS	10.5 GPM	4,050 PSI	4,500 PSI	(2) 3/8" NPT-F	3/8" NPT-F	(2) 3/8" NPT-F	195° F	1.9 lbs.	
PULSAR4KHPS	10.5 GPM	4,050 PSI	4,500 PSI	(2) 3/8" NPT-F	3/8" NPT-F	(2) 3/8" NPT-F	195° F	2.0 lbs.	
Product Group: N									
Y60014924	Pressure Adjusting Knob Kit for PULSAR4 Unloaders								0.1 lbs.



PLSR4LVNCV



YU2158NCV



YUB21405NCV

Product Group: S

TRAPPED PRESSURE UNLOADERS - NO CHECK VALVES							
MODEL	GPM	MAX	INLET	OUTLET	BYPASS	MAX TEMP	SHP WGHT
PLSR4HVNCV	10.5 GPM	4,050 PSI	(2) 3/8" NPT-F	3/8" NPT-F	3/8" NPT-F	194° F	1.6 lbs.
PLSR4LVNCV	10.5 GPM	2,600 PSI	(2) 3/8" NPT-F	3/8" NPT-F	3/8" NPT-F	194° F	1.6 lbs.
YU2158NCV	21.0 GPM	6,500 PSI	(2) 1/2" NPT-F	1/2" NPT-F	1/2" NPT-F	200° F	4.0 lbs.
YUB21405NCV	21.0 GPM	4,050 PSI	(2) 1/2" NPT-F	(2) 1/2" NPT-F	1/2" NPT-F	200° F	3.1 lbs.



YU21235



YU21405



YU5221



YU2158

Product Group: S

TRAPPED PRESSURE UNLOADERS								
MODEL	GPM	RATE	MAX	INLET	OUTLET	BYPASS	MAX TEMP	SHP WGHT
Yellow Spring								
YU21235	21.0 GPM	2,300 PSI	2,600 PSI	(2) 1/2" NPT-F	1/2" NPT-F	(2) 1/2" NPT-F	200° F	3.1 lbs.
White Spring								
YUW21235	21.0 GPM	2,300 PSI	2,600 PSI	(2) 1/2" NPT-F	1/2" NPT-F	1/2" NPT-F	200° F	3.1 lbs.
Green Spring (features stainless steel outlet/bypass fittings)								
YU21405	21.0 GPM	4,050 PSI	4,500 PSI	(2) 1/2" NPT-F	1/2" NPT-F	(2) 1/2" NPT-F	200° F	3.1 lbs.
Blue Spring (features stainless steel outlet/bypass fittings)								
YUB21405	21.0 GPM	4,050 PSI	4,500 PSI	(2) 1/2" NPT-F	1/2" NPT-F	1/2" NPT-F	200° F	3.1 lbs.
Hi-Flow								
YU5221	53.0 GPM	2,200 PSI	2,450 PSI	1" NPT-F	1" NPT-F	1" NPT-F	200° F	4.5 lbs.
303 Stainless Steel								
YU2158	21.0 GPM	5,800 PSI	6,500 PSI	(2) 1/2" NPT-F	1/2" NPT-F	1/2" NPT-F	200° F	4.0 lbs.

TRAPPED PRESSURE UNLOADERS



YVB5K



YVB9K



YVB9KMS2



YU4050K



YU5075K



YVB3K

Product Group: S

ADJUSTABLE TRAPPED PRESSURE UNLOADERS

MODEL	GPM	RATED	MAX	INLET	OUTLET	BYPASS	MAX TEMP	SHP WGHT
YVB5K	8.0 GPM	3,200 PSI	3,650 PSI	3/8" BSP-M	3/8" BSP-F	3/8" BSP-F	195° F	1.2 lbs.
YVB7K	8.0 GPM	3,200 PSI	3,650 PSI	3/8" NPT-M	3/8" NPT-F	3/8" NPT-F	195° F	1.2 lbs.
Includes Panel Mount Feature								
YVB9K	8.0 GPM	3,200 PSI	3,650 PSI	3/8" BSP-F	3/8" BSP-F	3/8" BSP-F	195° F	2.0 lbs.
Includes 5 Amp Microswitch								
YVB8KMS	8.0 GPM	3,200 PSI	3,650 PSI	3/8" BSP-M	3/8" BSP-F	3/8" BSP-F	195° F	2.0 lbs.
Includes 10 Amp Microswitch								
YVB8KMS10	8.0 GPM	3,200 PSI	3,650 PSI	3/8" BSP-F	3/8" BSP-F	3/8" BSP-F	195° F	2.0 lbs.
Includes Panel Mount Feature and 5 Amp Microswitch								
YVB9KMS2	8.0 GPM	3,200 PSI	3,650 PSI	3/8" BSP-F	3/8" BSP-F	(2)3/8" BSP-F	195° F	2.0 lbs.
Includes Panel Mount Feature, 5 Amp Microswitch and Stainless Steel Check Valve								
YVB9KMSS	8.0 GPM	3,200 PSI	3,650 PSI	3/8" BSP-F	1/2" BSP-M	3/8" BSP-F	195° F	2.0 lbs.
High Pressure Unloaders with KNOB (YU4050K-Black, YU5075K-Red)								
YU4050K	10.0 GPM	4,050 PSI	4,500 PSI	3/8" BSP-M	3/8" BSP-F	1/2" BSP-F	195° F	2.0 lbs.
YU5075K	10.0 GPM	5,075 PSI	5,650 PSI	3/8" BSP-M	3/8" BSP-F	1/2" BSP-F	195° F	2.0 lbs.
YU5075KS	10.0 GPM	5,075 PSI	5,650 PSI	3/8" BSP-M	3/8" BSP-F	1/2" BSP-F	195° F	2.0 lbs.
With 5 Amp Microswitch and Stainless Steel check Valve								
YU5075KMS	10.0 GPM	5,075 PSI	5,650 PSI	3/8" BSP-M	3/8" BSP-F	3/8" BSP-F	195° F	2.0 lbs.
YVB5121B	21.0 GPM	4,050 PSI	4,500 PSI	1/2" NPT-F	1/2" NPT-F	1/2" NPT-F	195° F	2.5 lbs.
Premium Pressure - Compensating Unloader w/Min-Max Setting, Stainless Steel Check Valve and Brass Knob								
YU5075KMM	10.0 GPM	5,075 PSI	5,650 PSI	3/8" BSP-M	3/8" BSP-F	1/2" BSP-F	195° F	3.0 lbs.
Trapped Pressure Unloader for the 51 and 60 Series Pumps								
YVB3K	6.5 GPM	3,200 PSI	3,650 PSI	3/8" BSP-M	3/8" BSP-M	3/8" BSP-F	195° F	1.0 lbs.
YVB3KA	6.5 GPM	3,200 PSI	3,650 PSI	3/8" NPT-M	3/8" NPT-M	3/8" NPT-F	195° F	1.0 lbs.
YVB3KTT	6.5 GPM	3,200 PSI	3,650 PSI	1/4" NPT-M	3/8" NPT-M	3/8" NPT-F	195° F	1.0 lbs.
Unloader with Knob and 1.8, 2.1 or 2.3 mm Injector								
YVB3KTT118	6.5 GPM	3,200 PSI	3,650 PSI	1/4" NPT-M	3/8" NPT-M	3/8" NPT-F	195° F	1.25 lbs.
YVB3KTT121	6.5 GPM	3,200 PSI	3,650 PSI	1/4" NPT-M	3/8" NPT-M	3/8" NPT-F	195° F	1.25 lbs.
YVB3KTT123	6.5 GPM	3,200 PSI	3,650 PSI	1/4" NPT-M	3/8" NPT-M	3/8" NPT-F	195° F	1.25 lbs.



ZKHM



ZK4010



ZK5813

Product Group: S

TRAPPED PRESSURE UNLOADERS

MODEL	GPM	MAX	INLET	OUTLET	BYPASS	MAX TEMP	SHP WGHT
2100242	8.0 GPM	4,000 PSI	(2) 3/8" NPT	3/8" NPT	(2) 3/8" NPT	195° F	2.0lbs.
ZKHM	10.8 GPM	3,000 PSI	3/8" BSP-F	1/4 BSP-F & 3/8" BSP-M	(2) 3/8" BSP-F	195° F	2.5lbs.
ZKHM1 (no knob)	10.8 GPM	3,000 PSI	3/8" BSP-F	1/4 BSP-F & 3/8" BSP-M	(2) 3/8" BSP-F	195° F	2.5lbs.
ZK4010	2.11 to 10.5 GPM	4,000 PSI	3/8" BSP-F	3/8" BSP-M	(2) 3/8" BSP-M	195° F	2.3 lbs.
ZK5813	2.11 to 13.2 GPM	5,800 PSI	1/2" BSP-F	1/2" BSP-M	(2) 3/8" BSP-M	195° F	6.2 lbs.



YU3678



YU3678MS

Product Group: S

MODIFIED PRESSURE UNLOADERS

MODEL	GP	RATED	MAX	INLET	OUTLET	BYPASS	MAX TEMP	SHP WGHT
Includes Panel Mount Feature								
YU3678	8.0 GPM	3,200 PSI	3,650 PSI	3/8" NPT-F	3/8" NPT-F	3/8" NPT-F	195° F	2.5 lbs.
Includes Panel Mount Feature and Stainless Steel Check Valve								
YU3678MS	8.0 GPM	3,200 PSI	3,650 PSI	3/8" NPT-F	3/8" NPT-F	3/8" NPT-F	195° F	2.5 lbs.

CONTROL SET UNLOADERS



ZKW1



ZKW326



ZKW21



YVB135KDM



YVB75KDM



YVB55KDM



YU4050KDM

Product Group: S

DIRECT MOUNT, CONTROL SET UNLOADERS									
MODEL	GPM	RATED	MAX	INLET	OUTLET	HOSE BARB	MAX TEMP	SHW WGHT	
<i>Direct Mount Unloader with Chemical Gauge, Pressure Gauge and Filter</i>									
ZOKR1	2.1 GPM	1,000 PSI	1,000 PSI	1/2" NPT-M	M22	1/4"	165° F	2.0 lbs.	
<i>Direct Mount Unloader with 2 mm Injector</i>									
ZKW1	3.0 GPM	1,600 PSI	1,600 PSI	3/8" BSP-F	3/8" BSP-M	1/4"	165° F	2.0 lbs.	
<i>Direct Mount Unloader Without Injector</i>									
ZKW1SC	3.0 GPM	1,600 PSI	1,600 PSI	3/8" BSP-M	3/8" BSP-M	1/4"	165° F	2.0 lbs.	
<i>Interpump Direct Mount, Control Set Unloaders, Available With or Without Injectors</i>									
ZKW326	2.6 GPM	3,000 PSI	3,000 PSI	1/2" BSP-F	3/8" BSP-M	1/4"	165° F	2.0 lbs.	
ZKW340	4.0 GPM	3,000 PSI	3,000 PSI	1/2" BSP-F	3/8" BSP-M	1/4"	165° F	2.0 lbs.	
ZKW355	5.5 GPM	3,000 PSI	3,000 PSI	1/2" BSP-F	3/8" BSP-M	1/4"	165° F	2.0 lbs.	
<i>Direct Mount Unloader with 2.2 mm Injector</i>									
ZKW21	4.5 GPM	3,000 PSI	3,000 PSI	1/2" BSP-F	3/8" BSP-M	1/4"	200° F	2.0 lbs.	
<i>Long Body Unloader with 2.2 mm Injector</i>									
ZKW21L	4.5 GPM	3,000 PSI	3,000 PSI	1/2" BSP-F	3/8" BSP-M	1/4"	200° F	2.0 lbs.	
<i>Long Body Unloader with 2.5 mm Injector</i>									
ZKW22L	6.0 GPM	3,000 PSI	3,000 PSI	1/2" BSP-F	3/8" BSP-M	1/4"	200° F	2.0 lbs.	
<i>Long Body Unloader Without Injector</i>									
ZKW2LSC	6.0 GPM	3,000 PSI	3,000 PSI	1/2" BSP-F	3/8" BSP-M	1/4"	200° F	2.0 lbs.	
<i>Unloader With 2.2 mm Injector</i>									
ZKW2SC	4.5 GPM	3,000 PSI	3,000 PSI	1/2" BSP-F	3/8" BSP-M	1/4"	200° F	2.0 lbs.	
190443	ZKW2SC With Banjo Bitings								2.0 lbs.

Product Group: S

DIRECT MOUNT, CONTROL SET UNLOADERS FOR TT/TP SERIES 51 PUMP									
MODEL	GPM	RATED	MAX	INLET	OUTLET	INJECTOR	MAX TEMP	SHW WGHT	BOX QTY
YVB135KDM	6.5 GPM	2,300 PSI	2,600 PSI	3/8" BSP-F	3/8" BSP-M	N/A	195° F	1.5 lbs.	24
YVB135KDMI18	6.5 GPM	2,300 PSI	2,600 PSI	3/8" BSP-F	3/8" BSP-M	1.8 mm	195° F	1.8 lbs.	20
YVB135KDMI21	6.5 GPM	2,300 PSI	2,600 PSI	3/8" BSP-F	3/8" BSP-M	2.1 mm	195° F	1.8 lbs.	20
YVB351KDM	6.5 GPM	3,200 PSI	3,650 PSI	3/8" BSP-F	3/8" BSP-M	N/A	195° F	1.8 lbs.	24
YVB351KDMI18	6.5 GPM	3,200 PSI	3,650 PSI	3/8" BSP-F	3/8" BSP-M	1.8	195° F	1.9 lbs.	20
YVB351KDMI21	6.5 GPM	3,200 PSI	3,650 PSI	3/8" BSP-F	3/8" BSP-M	2.1	195° F	1.9 lbs.	20
YVB75KTP	8.0 GPM	3,200 PSI	3,650 PSI	3/8" BSP-F	3/8" BSP-M	N/A	195° F	1.8 lbs.	20
YVB75KTPF21	8.0 GPM	3,200 PSI	3,650 PSI	3/8" BSP-F	3/8" BSP-M	2.1 mm	195° F	2.1 lbs.	20

Product Group: S

DIRECT MOUNT, CONTROL SET UNLOADERS FOR EZ, 47, 60 AND 63 SERIES PUMPS										
MODEL	GPM	RATED	MAX	INLET	OUTLET	HOSE BARB	INJECTOR	MAX TEMP	SHW WGHT	BOX QTY
YVB35KDM	6.5 GPM	3,200 PSI	3,650 PSI	1/2" BSP-F	3/8" BSP-M	N/A	N/A	195° F	1.5 lbs.	24
YVB35KDMI18	6.5 GPM	3,200 PSI	3,650 PSI	1/2" BSP-F	3/8" BSP-M	1/4"	1.8 mm	195° F	1.8 lbs.	20
YVB35KDMI21	6.5 GPM	3,200 PSI	3,650 PSI	1/2" BSP-F	3/8" BSP-M	1/4"	2.1 mm	195° F	1.8 lbs.	20
YVB56KDM	8.0 GPM	3,200 PSI	3,650 PSI	1/2" BSP-F	3/8" BSP-F	N/A	N/A	195° F	2.5 lbs.	20
YVB56KDMI21	8.0 GPM	3,200 PSI	3,650 PSI	1/2" BSP-F	3/8" BSP-F	1/4"	2.1 mm	195° F	2.1 lbs.	20
YVB75KDMN	7.8 GPM	3,200 PSI	3,650 PSI	1/2" BSP-F	3/8" BSP-F	N/A	N/A	195° F	1.8 lbs.	20
YVB75KDMN21	7.8 GPM	3,200 PSI	3,650 PSI	1/2" BSP-F	3/8" BSP-F	1/4"	2.1 mm	195° F	2.1 lbs.	20
<i>EZ Series Only</i>										
YU4050KDM	10.0 GPM	4,050 PSI	4,500 PSI	3/8" BSP-F	3/8" BSP-M	N/A	N/A	195° F	3.0 lbs.	10

Product Group: S

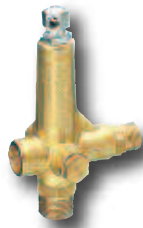
DIRECT MOUNT, CONTROL SET UNLOADERS FOR EP SERIES PUMPS										
MODEL	GPM	RATED	MAX	INLET	OUTLET	HOSE BARB	INJECTOR	MAX TEMP	SHW WGHT	BOX QTY
YVB35KDME	6.5 GPM	3,200 PSI	3,650 PSI	1/2" BSP-F	3/8" BSP-F	N/A	N/A	195° F	1.5 lbs.	24

NEW!

FLOW SENSITIVE UNLOADERS



ZK1



ZK3



ZK50



ZK7



ZK9

Product Group: S

FLOW SENSITIVE UNLOADERS								
MODEL	GPM	MAX	INLET	OUTLET	BYPASS	MAX TEMP	SHP WGHT	BOX QTY
ZK1	2.3 to 10.8 GPM	3,600 PSI	3/8" BSP-F	1/2" BSP-M	1/2" BSP-M	165° F	2.3 lbs.	10
ZK138	2.3 to 10.8 GPM	3,600 PSI	3/8" BSP-F	3/8" BSP-M	1/2" BSP-M	165° F	2.3 lbs.	10
ZK30	2.1 to 3.0 GPM	1,500 PSI	3/8" BSP-F	3/8" BSP-M	3/4" BSP-M or 1/2" BSP-F	165° F	2.0 lbs.	10
ZK31	3.0 to 4.2 GPM	1,500 PSI	3/8" BSP-F	3/8" BSP-M	3/4" BSP-M or 1/2" BSP-F	165° F	2.0 lbs.	10
ZK32	4.2 to 5.5 GPM	1,500 PSI	3/8" BSP-F	3/8" BSP-M	3/4" BSP-M or 1/2" BSP-F	165° F	2.0 lbs.	10
ZK33	5.0 to 6.0 GPM	1,500 PSI	3/8" BSP-F	3/8" BSP-M	3/4" BSP-M or 1/2" BSP-F	165° F	2.0 lbs.	10
ZK50	2.1 to 3.0 GPM	3,000 PSI	3/8" BSP-F	3/8" BSP-M	3/4" BSP-M or 1/2" BSP-F	165° F	2.5 lbs.	10
ZK51	3.0 to 4.2 GPM	3,000 PSI	3/8" BSP-F	3/8" BSP-M	3/4" BSP-M or 1/2" BSP-F	165° F	2.5 lbs.	10
ZK52	4.2 to 6.6 GPM	3,000 PSI	3/8" BSP-F	3/8" BSP-M	3/4" BSP-M or 1/2" BSP-F	165° F	2.5 lbs.	10
ZK53	6.6 to 10.8 GPM	3,000 PSI	3/8" BSP-F	3/8" BSP-M	3/4" BSP-M or 1/2" BSP-F	165° F	2.5 lbs.	10
ZK70 (GPV)	2.1 to 3.0 GPM	3,500 PSI	3/8" BSP-F	3/8" BSP-M	3/8" BSP-F	165° F	5.0 lbs.	5
ZK71 (GPV)	3.0 to 4.2 GPM	3,500 PSI	3/8" BSP-F	3/8" BSP-M	3/8" BSP-F	165° F	5.0 lbs.	5
ZK72 (GPV)	4.2 to 6.6 GPM	3,500 PSI	3/8" BSP-F	3/8" BSP-M	3/8" BSP-F	165° F	5.0 lbs.	5
ZK73 (GPV)	6.6 to 10.8 GPM	3,500 PSI	3/8" BSP-F	3/8" BSP-M	3/8" BSP-F	165° F	5.0 lbs.	5
ZK9	2.5 to 13.2 GPM	5,800 PSI	3/8" BSP-F	3/8" BSP-M	1/2" BSP-F	165° F	11.0 lbs.	1
ZK72 Unloader With #1 Bypass Orifice:								
190009	4.2 to 6.6 GPM	3,500 PSI	3/8" BSP-F	3/8" BSP-M	3/8" BSP-F	165° F	5.0 lbs.	5
ZK71 Unloader with #0 Bypass Orifice:								
190079	3.0 to 4.2 GPM	3,500 PSI	3/8" BSP-F	3/8" BSP-M	3/8" BSP-F	165° F	5.0 lbs.	5
ZK73 Unloader With #2 Bypass Orifice:								
190361	6.6 to 10.8 GPM	3,500 PSI	3/8" BSP-F	3/8" BSP-M	3/8" BSP-F	165° F	5.0 lbs.	5



PLSRZ523



PLSRZ523MS



PULSARZ



PULSARZMS



PLSRZ2140



PLSRZ2140MS

Product Group: S

FLOW SENSITIVE UNLOADERS								
MODEL	GPM	MAX	INLET	OUTLET	BYPASS	MAX TEMP	SHP WGHT	BOX QTY
PLSRZ523*	2.1 to 5.3 GPM	2,300 PSI	3/8" BSP-F	3/8" BSP-F	N/A	195° F	1.5 lbs.	15
With 6 Amp Microswitch:								
PLSRZ523MS*	2.1 to 5.3 GPM	2,300 PSI	3/8" BSP-F	3/8" BSP-F	N/A	195° F	1.7 lbs.	15
PULSARZ*	2.4 to 10.5 GPM	3,650 PSI	3/8" NPT-F	(2) 3/8" NPT-F	N/A	195° F	2.5 lbs.	12
190465	PULSARZ As Above, With 3.5 and 4.5 Orifice							
With 6 Amp Microswitch:								
PULSARZMS*	2.4 to 10.5 GPM	3,650 PSI	3/8" NPT-F	(2) 3/8" NPT-F	N/A	195° F	2.5 lbs.	12
PLSRZ2140*	5.3 to 21.0 GPM	4,050 PSI	1/2" BSP-F	1/2" BSP-F	N/A	195° F	3.8 lbs.	4
With 6 Amp Microswitch:								
PLSRZ2140MS*	5.3 to 21.0 GPM	4,050 PSI	1/2" BSP-F	1/2" BSP-F	N/A	195° F	4.0 lbs.	4

*PULSARZ is patented

BALANCED RELIEF & REGULATING VALVES



YBRV624D



YBRV624



YBRV5325

Balanced Relief Valves

Product Group: T

BALANCED RELIEF VALVES								
MODEL	GPM	RATED	MAX	INLET	OUTLET	MAX TEMP	SHW WT	BOX QTY
YBRV624	6.3 GPM	2,200 PSI	2,450 PSI	3/8" BSP-F	3/8" BSP-F	195° F	0.8 lbs.	40
YBRV624D	6.3 GPM	2,200 PSI	2,450 PSI	(2) 3/8" BSP-F	3/8" BSP-F	195° F	1.0 lbs.	40
YBRV631	6.3 GPM	3,200 PSI	3,650 PSI	3/8" BSP-F	3/8" BSP-F	195° F	0.8 lbs.	40
YBRV631D	6.3 GPM	3,200 PSI	3,650 PSI	(2) 3/8" BSP-F	3/8" BSP-F	195° F	1.0 lbs.	40
100268	6.3 GPM	300 PSI	N/A	(2) 3/8" BSP-F	3/8" BSP-F	195° F	1.0 lbs.	40
100269	6.3 GPM	300 PSI	N/A	3/8" BSP-F	3/8" BSP-F	195° F	0.8 lbs.	40
YBRV5325	53.0 GPM	2,600 PSI	2,900 PSI	3/4" BSP-F	1/2" BSP-F	195° F	2.0 lbs.	4



YVRP15W



YVS5100B



YVB4021B



ZKSX1

Regulating Valves

Product Group: T

REGULATING VALVES - GREAT FOR MULTIPLE GUN APPLICATIONS								
MODEL	GPM	RATED	INLET	OUTLET	BYPASS	MAX TEMP	SHW WT	BOX QTY
YVRP15W	8.9 GPM	1,450 PSI	(2) 3/8" NPT-F	3/8" NPT-F	N/A	195° F	1.3 lbs.	25
YVRP32B	8.9 GPM	3,200 PSI	(2) 3/8" NPT-F	3/8" NPT-F	N/A	195° F	1.3 lbs.	25
ZKSX1	16.0 GPM	3,600 PSI	1/2" BSP-M	1/2" BSP-M	N/A	195° F	2.3 lbs.	1
YVS5100B	6.5 GPM	5,600 PSI	3/8" BSP-F	3/8" BSP-F	3/8" BSP-F	195° F	1.0 lbs.	25
YVB4021B	21.0 GPM	4,050 PSI	1/2" NPT-F	1/2" NPT-F	1/2" NPT-F	195° F	2.5 lbs.	1
YVB5121B	21.0 GPM	4,050 PSI	1/2" NPT-F	1/2" NPT-F	1/2" NPT-F	195° F	2.5 lbs.	1



100892



100998



100999



YR5221

Regulators

Product Group: S

REGULATORS									
MODEL	DESCRIPTION	GPM	RATED	MAX	INLET	OUTLET	BYPASS	MAX TEMP	SHW WT
100892	Nickel Plated	5.0 GPM	2,000 PSI	N/A	3/8" NPT-F	1/4" NPT-F	N/A	220° F	1.4 lbs.
100998	Stainless Steel	13.0 GPM	1,000 PSI	N/A	3/8" NPT-F	1/2" NPT-F	N/A	190° F	2.0 lbs.
100999	Stainless Steel	13.0 GPM	2,000 PSI	N/A	3/8" NPT-F	1/2" NPT-F	N/A	190° F	2.0 lbs.
YR5221	Brass (No CV)	53.0 GPM	2,200 PSI	2,450 PSI	1" NPT	N/A	1" NPT	200° F	4.5 lbs.

SAFETY RELIEF VALVES



100722



100534



YRV2063



ZKS3



ZKSR

Product Group: T

SAFETY RELIEF VALVES							
MODEL	GPM	MIN	MAX	INLET	OUTLET	MAX TEMP	SHW WT
ZKSR	1.3 to 10.0 GPM	N/A	3,000 PSI	3/8" BSP-M	1/4" BSP-F	165° F	1.5 lbs.
Side Discharge With Hose Barb (*available preset, see below):							
100724	6.0 GPM	2,000 PSI	6,000 PSI	1/4" NPT	Side w/ 1/4" Barb	195° F	1.0 lbs.
100723	6.0 GPM	2,000 PSI	6,000 PSI	3/8" NPT	Side w/ 1/4" Barb	195° F	1.0 lbs.
100722	6.0 GPM	2,000 PSI	6,000 PSI	1/2" NPT	Side w/ 1/4" Barb	195° F	1.0 lbs.
100611	6.0 GPM	800 PSI	3,000 PSI	1/4" NPT	Side w/ 1/4" Barb	195° F	1.0 lbs.
100799	6.0 GPM	800 PSI	3,000 PSI	3/8" NPT	Side w/ 1/4" Barb	195° F	1.0 lbs.
100980	6.0 GPM	800 PSI	3,000 PSI	1/2" NPT	Side w/ 1/4" Barb	195° F	1.0 lbs.
Side Discharge Without Hose Barb (*available preset, see below):							
100726	6.0 GPM	2,000 PSI	6,000 PSI	3/8" NPT	Side	195° F	1.0 lbs.
100727	6.0 GPM	2,000 PSI	6,000 PSI	1/2" NPT	Side	195° F	1.0 lbs.
100610	6.0 GPM	800 PSI	3,000 PSI	1/4" NPT	Side	195° F	1.0 lbs.
100798	6.0 GPM	800 PSI	3,000 PSI	3/8" NPT	Side	195° F	1.0 lbs.
100963	6.0 GPM	800 PSI	3,000 PSI	3/8" NPT	Side	195° F	1.0 lbs.
End Discharge (*available preset, see below):							
100728	6.0 GPM	2,000 PSI	6,000 PSI	1/4" NPT	End	195° F	1.0 lbs.
100534	6.0 GPM	2,000 PSI	6,000 PSI	3/8" NPT	End	195° F	1.0 lbs.
100729	6.0 GPM	2,000 PSI	6,000 PSI	1/2" NPT	End	195° F	1.0 lbs.
100547	6.0 GPM	2,000 PSI	6,000 PSI	3/8" NPT	End 1/8" F	195° F	1.0 lbs.
100609	6.0 GPM	800 PSI	3,000 PSI	1/4" NPT	End	195° F	1.0 lbs.
100797	6.0 GPM	800 PSI	3,000 PSI	3/8" NPT	End	195° F	1.0 lbs.
100962	6.0 GPM	800 PSI	3,000 PSI	1/2" NPT	End	195° F	1.0 lbs.
YRV2063	6.3 GPM	N/A	2,000 PSI	3/8" NPT-M	Side	140° F	1.5 lbs.
YRV3463	6.3 GPM	N/A	3,500 PSI	3/8" NPT-M	Side	140° F	1.5 lbs.
ZKS3	2.6 to 21.4 GPM	N/A	10,000 PSI	1/2" NPT-M	Side	284° F	2.0 lbs.

*To order preset, add first 2 digits of desired pressure to end of current part number. Example: for a 100724 preset to 2,500 PSI, add "25" to end of part number. Resulting part number is 10072425



100972

Product Group: T

HOT WATER SAFETY RELIEF VALVES - 303 STAINLESS							
MODEL	GPM	MAX	INLET	OUTLET	MAX TEMP	SHW WT	
100981*	2.0 to 4.0 GPM	4,500 PSI	3/8" NPT-M	Side w/ 1/4" Barb	284° F	0.5 lbs.	
100971*	3.0 to 7.0 GPM	4,500 PSI	3/8" NPT-M	Side w/ 1/4" Barb	284° F	0.5 lbs.	
100982*	7.0 to 12.0 GPM	4,500 PSI	3/8" NPT-M	Side w/ 1/4" Barb	284° F	0.5 lbs.	
100983*	2.0 to 4.0 GPM	4,500 PSI	1/2" NPT-M	Side w/ 1/4" Barb	284° F	0.5 lbs.	
100972*	3.0 to 7.0 GPM	4,500 PSI	1/2" NPT-M	Side w/ 1/4" Barb	284° F	0.5 lbs.	
100984*	7.0 to 12.0 GPM	4,500 PSI	1/2" NPT-M	Side w/ 1/4" Barb	284° F	0.5 lbs.	

***Stainless Steel Seat and Ball**
All sizes are available preset, see below.

*To order preset, add first 2 digits of desired pressure to end of current part number. Example: for a 100981 preset to 2,500 PSI, add "25" to end of part number. Resulting part number is 10098125

MISCELLANEOUS VALVES



Expansion Valves

Product Group: T

100973

GP EXPANSION VALVES - ONLY RESETS ITSELF AFTER PUMP IS SHUT OFF - CAN BE USED REPEATEDLY ONCE RESET						
MODEL	GPM	MAX	INLET	OUTLET	MAX TEMP	SHP WGHT
100973	2.0 to 6.0 GPM	4,500 PSI	3/8" NPT-M	Side, 1/8" Hole	185° F	1.4 lbs.
100979	2.0 to 6.0 GPM	4,500 PSI	1/2" NPT-M	Side, 1/8" Hole	185° F	1.6 lbs.

To order preset, add first 2 digits of desired pressure to end of current part number. Example: for a 100973 preset to 2,500 PSI, add "25" to end of part number. Resulting part number is 10097325



100512



100558



100156

Pump Thermal Protectors

Product Group: Q

PUMP THERMAL PROTECTORS - DISC						
MODEL	DESCRIPTION	INLET	HOSE BARB	RELIEF TEMP	SHP WGHT	
100556	90° Hose Barb	1/4" NPT	1/4"	145° F	1.5 oz.	
100557	90° Hose Barb	3/8" NPT	1/4"	145° F	1.5 oz.	
100558	90° Hose Barb	1/2" NPT	1/4"	145° F	1.5 oz.	
100844	90° Hose Barb	1/4" BSP-M	1/4"	145° F	1.5 oz.	
100845	90° Hose Barb	3/8" BSP-M	1/4"	145° F	1.5 oz.	
100846	90° Hose Barb	1/2" BSP-M	1/4"	145° F	1.5 oz.	
100677	90° Hose Barb	3/8" NPT	N/A	190° F	1.5 oz.	
100678	90° Hose Barb	1/2" NPT	N/A	190° F	1.5 oz.	
100679	90° Hose Barb	3/8" NPT	1/4" SS	190° F	1.5 oz.	
100680	90° Hose Barb	1/2" NPT	1/4" SS	190° F	1.5 oz.	
100156	90° Hose Barb	3/8" NPT	1/4" SS	145° F	1.5 oz.	
100259	Banjo Fitting	3/8" BSP	N/A	145° F	2.5 oz.	

PUMP THERMAL PROTECTORS - PILL STYLE						
MODEL	DESCRIPTION	INLET	HOSE BARB	RELIEF TEMP	SHP WGHT	
100512	No Hose Barb	1/4" NPT	N/A	145° F	2.0 oz.	
100513	No Hose Barb	3/8" NPT	N/A	145° F	2.0 oz.	
100514	No Hose Barb	1/2" NPT	N/A	145° F	2.0 oz.	



100324



100543



100970

Easy Start Valves

Product Group: T

EASY START VALVES						
MODEL	GPM	MAX	INLET	OUTLET	MAX TEMP	SHP WGHT
YESTVALVE	7.8 GPM	3,650	3/8" NPT-M	1/4" Hose Barb	176° F	0.25 lbs.
<i>Provides Easy Start for Manual Start Gas Engines:</i>						
100323	8.0 GPM	5,000 PSI	3/8" NPT-M	1/4" Hose Barb	195° F	0.25 lbs.
100324	8.0 GPM	5,000 PSI	1/4" NPT-M	1/4" Hose Barb	195° F	0.25 lbs.
100543	8.0 GPM	5,000 PSI	1/4" NPT-M	1/8" NPT-F	195° F	0.25 lbs.
100544	8.0 GPM	5,000 PSI	3/8" NPT-M	1/8" NPT-F	195° F	0.25 lbs.
100490	8.0 GPM	5,000 PSI	1/2" NPT-M	1/8" NPT-F	195° F	0.25 lbs.
<i>Stainless Steel Seat and Ball</i>						
100970	8.0 GPM	5,000 PSI	3/8" NPT-M	1/4" Hose Barb	195° F	0.25 lbs.



Y29092015

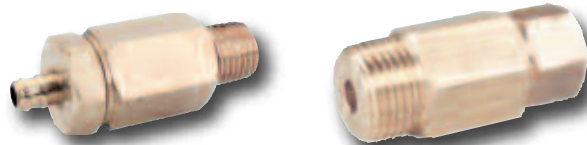
Steam Valves

Product Group: T

STEAM VALVES								
MODEL	GPM	RATED	MAX	PANEL FITTING	INLET	OUTLET	MAX TEMP	SHP WGHT
Y29092008	2.3 GPM	3,650 PSI	4,050 PSI	3/4"	1/4" BSP-M	1/4" BSP-M	175° F	0.3 lbs.
Y29092012	3.4 GPM	3,650 PSI	4,050 PSI	3/4"	1/4" BSP-M	1/4" BSP-M	175° F	0.3 lbs.
Y29092015	4.0 GPM	3,650 PSI	4,050 PSI	3/4"	1/4" BSP-M	1/4" BSP-M	175° F	0.3 lbs.

ACCESSORIES - VALVES
MISCELLANEOUS VALVES

Bleeder Valves



Product Group: T

100325

100730

BLEEDER VALVES							
MODEL	GPM	MAX	INLET	OUTLET	MAX TEMP	SHP QTY	
100325	8.0 GPM	5,000 PSI	1/4" NPT-M	1/8" Hose Barb	195° F	0.25 lbs.	
100326	8.0 GPM	5,000 PSI	3/8" NPT-M	1/8" Hose Barb	195° F	0.25 lbs.	
100545	8.0 GPM	5,000 PSI	1/4" NPT-M	1/8" NPT-F	195° F	0.25 lbs.	
100546	8.0 GPM	5,000 PSI	3/8" NPT-M	1/8" NPT-F	195° F	0.25 lbs.	
<i>Provides Easy Start Function for Electric Start Gas Engines:</i>							
100676	8.0 GPM	5,000 PSI	1/4" NPT-M	1/8" Hose Barb	195° F	0.25 lbs.	
100730	8.0 GPM	5,000 PSI	1/2" NPT-M	1/8" NPT-F	195° F	0.25 lbs.	
100684	8.0 GPM	5,000 PSI	3/8" NPT-M	1/8" Hose Barb	195° F	0.25 lbs.	

Check Valves



Brass

Stainless Steel

Product Group: T

CHECK VALVES							
MODEL	DESCRIPTION	GPM	RATED	MAX	INLET	MAX TEMP	SHP QTY
YCV14FB	Brass	6.5 GPM	2,200 PSI	2,300 PSI	1/4" BSP-F	195° F	0.5 lbs.
YCV14FSS	Stainless Steel	6.5 GPM	6,500 PSI	6,500 PSI	1/4" BSP-F	195° F	0.5 lbs.
YCV38FB	Brass	10.5 GPM	2,200 PSI	2,300 PSI	3/8" BSP-F	195° F	0.5 lbs.
YCV38FSS	Stainless Steel	10.5 GPM	6,500 PSI	6,500 PSI	3/8" BSP-F	195° F	0.5 lbs.
YCV12FB	Brass	21.0 GPM	2,200 PSI	2,300 PSI	1/2" BSP-F	195° F	0.5 lbs.
YCV12FSS	Stainless Steel	21.0 GPM	6,500 PSI	6,500 PSI	1/2" BSP-F	195° F	0.5 lbs.
YCV34FB	Brass	47.6 GPM	2,200 PSI	2,300 PSI	3/4" BSP-F	195° F	0.5 lbs.
YCV34FSS	Stainless Steel	47.6 GPM	6,500 PSI	6,500 PSI	3/4" BSP-F	195° F	0.5 lbs.

Needle Valves



100814

100838

Product Group: D

METERING NEEDLE VALVES - ADJUSTABLE SS STEM ALLOWS REGULATING THE OPENING IN THE BORE FOR FINE CONTROL OF FLOW							
MODEL	GPM	MAX	INLET	OUTLET	ADJUSTMENT	MAX TEMP	SHP QTY
<i>Metering Needle Valves - Adjustable SS Stem Allows Regulating the Opening in the Bore for Fine Control of Flow:</i>							
100814	6.0 GPM	4,000 PSI	1/4" NPT-F	1/4" NPT-F	N/A	190° F	0.3 lbs.
100838	6.0 GPM	4,000 PSI	1/4" NPT-F	1/4" NPT-F	Side	190° F	0.4 lbs.
100865	6.0 GPM	4,000 PSI	1/4" NPT-F	1/4" NPT-F	Bottom	190° F	0.4 lbs.

Pneumatic Control Valves



YPCV823 & YPCV3240

NEW!

Product Group: D

PNEUMATIC CONTROL VALVES							
MODEL	GPM	RATED	MAX	INLET	OUTLET	MAX TEMP	SHP QTY
YPCV823	8.0 GPM	2,300 PSP	2,550 PSI	1/4" BSP-F	1/4" BSP-F	195° F	1.2 lbs.
YPCV2175	21.0 GPM	7,250 PSI	8,000 PSI	1/2" BSP-F	1/2" BSP-F	195° F	5.8 lbs.
YPCV3240	32.0 GPM	4,050 PSI	4,500 PSI	3/4" BSP-F	3/4" BSP-F	195° F	5.0 lbs.

Adjustable Chemical Injectors Brass



Product Group: L

ADJUSTABLE CHEMICAL INJECTORS - BRASS									
MODEL	ORIFICE	GPM	RATED	INLET	OUTLET	MAX TEMP	HOSE BARB	SHW WT	BOX QTY
<i>Inlet: 3/8" BSP-M Outlet: 3/8" BSP-M:</i>									
ZROBO0	2.0 mm	2.1 to 2.9 GPM	3,200 PSI	3/8" BSP-M	3/8" BSP-M	210° F	1/4"	0.8 lbs.	25
ZROBO1	2.2 mm	2.9 to 4.0 GPM	3,200 PSI	3/8" BSP-M	3/8" BSP-M	210° F	1/4"	0.8 lbs.	25
ZROBO2	2.5 mm	4.0 to 5.6 GPM	3,200 PSI	3/8" BSP-M	3/8" BSP-M	210° F	1/4"	0.8 lbs.	25
ZROBO3	2.75 mm	6.6 to 10.8 GPM	3,200 PSI	3/8" BSP-M	3/8" BSP-M	210° F	1/4"	0.8 lbs.	25
<i>Chemical Injectors with Brass Knob:</i>									
ZROBO0B	2.0 mm	2.1 to 2.9 GPM	3,200 PSI	3/8" BSP-M	3/8" BSP-M	210° F	1/4"	0.8 lbs.	25
ZROBO1B	2.2 mm	2.9 to 4.0 GPM	3,200 PSI	3/8" BSP-M	3/8" BSP-M	210° F	1/4"	0.8 lbs.	25
ZROBO2B	2.5 mm	4.0 to 5.6 GPM	3,200 PSI	3/8" BSP-M	3/8" BSP-M	210° F	1/4"	0.8 lbs.	25
ZROBO3B	2.75 mm	6.6 to 10.8 GPM	3,200 PSI	3/8" BSP-M	3/8" BSP-M	210° F	1/4"	0.8 lbs.	25
<i>EPDM O-Ring:</i>									
YAINJ18E	1.8 mm	2.0 to 2.6 GPM	4,000 PSI	3/8" NPT-M	3/8" NPT-M	195° F	1/4"	0.4 lbs.	N/A
YAINJ21E	2.1 mm	2.6 to 4.0 GPM	4,000 PSI	3/8" NPT-M	3/8" NPT-M	195° F	1/4"	0.4 lbs.	N/A
YAINJ23E	2.3 mm	4.0 to 5.3 GPM	4,000 PSI	3/8" NPT-M	3/8" NPT-M	195° F	1/4"	0.4 lbs.	N/A



100823

Adjustable Chemical Injectors Standard

Product Group: L

ADJUSTABLE CHEMICAL INJECTORS - BRASS									
MODEL	ORIFICE	GPM	RATED	INLET	OUTLET	MAX TEMP	HOSE BARB	SHW WT	BOX QTY
100823	1.5 mm	1.0 to 2.0 GPM	4,250 PSI	3/8" NPT-M	3/8" NPT-M	190° F	1/4"	0.3 lbs.	25
100824	1.8 mm	2.0 to 3.0 GPM	4,250 PSI	3/8" NPT-M	3/8" NPT-M	190° F	1/4"	0.3 lbs.	25
100825	2.1 mm	3.0 to 5.0 GPM	4,250 PSI	3/8" NPT-M	3/8" NPT-M	190° F	1/4"	0.3 lbs.	25
100826	2.3 mm	5.0 to 8.0 GPM	4,250 PSI	3/8" NPT-M	3/8" NPT-M	190° F	1/4"	0.3 lbs.	25



100861

Adjustable Chemical Injectors Stainless Steel

Product Group: L

ADJUSTABLE CHEMICAL INJECTORS - STAINLESS STEEL									
MODEL	ORIFICE	GPM	RATED	INLET	OUTLET	MAX TEMP	HOSE BARB	SHW WT	BOX QTY
100861	1.8 mm	2.0 to 3.0 GPM	5,500 PSI	3/8" NPT-M	3/8" NPT-M	190° F	1/4"	0.5 lbs.	25
100862	2.1 mm	3.0 to 5.0 GPM	5,500 PSI	3/8" NPT-M	3/8" NPT-M	190° F	1/4"	0.5 lbs.	25
100863	2.3 mm	5.0 to 8.0 GPM	5,500 PSI	3/8" NPT-M	3/8" NPT-M	190° F	1/4"	0.5 lbs.	25



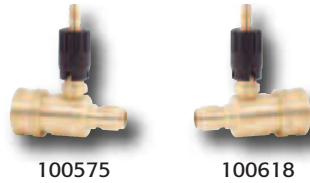
100810

Adjustable Chemical Injectors High Draw

Product Group: L

ADJUSTABLE CHEMICAL INJECTORS - HIGH DRAW - CHEMICAL DRAW UP TO 20%									
MODEL	ORIFICE	GPM	RATED	INLET	OUTLET	MAX TEMP	HOSE BARB	SHW WT	BOX QTY
100810	1.5 mm	1.0 to 2.0 GPM	4,500 PSI	3/8" NPT-M	3/8" NPT-M	195° F	1/4"	0.3 lbs.	25
100811	1.8 mm	2.0 to 3.0 GPM	4,500 PSI	3/8" NPT-M	3/8" NPT-M	195° F	1/4"	0.3 lbs.	25
100812	2.1 mm	3.0 to 5.0 GPM	4,500 PSI	3/8" NPT-M	3/8" NPT-M	195° F	1/4"	0.3 lbs.	25
100813	2.3 mm	5.0 to 8.0 GPM	4,500 PSI	3/8" NPT-M	3/8" NPT-M	195° F	1/4"	0.3 lbs.	25
<i>High Draw Chemical Injectors with Acid Kit:</i>									
100827	1.5 mm	1.0 to 2.0 GPM	4,500 PSI	3/8" NPT-M	3/8" NPT-M	195° F	1/4"	0.3 lbs.	25
100828	1.8 mm	2.0 to 3.0 GPM	4,500 PSI	3/8" NPT-M	3/8" NPT-M	195° F	1/4"	0.3 lbs.	25
100829	2.1 mm	3.0 to 5.0 GPM	4,500 PSI	3/8" NPT-M	3/8" NPT-M	195° F	1/4"	0.3 lbs.	25
100830	2.3 mm	5.0 to 8.0 GPM	4,500 PSI	3/8" NPT-M	3/8" NPT-M	195° F	1/4"	0.3 lbs.	25

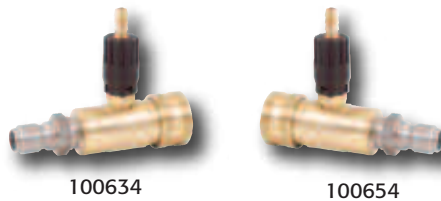
Quick Connect Adjustable Chemical Injectors - Brass



Product Group: L

QUICK CONNECT ADJUSTABLE CHEMICAL INJECTORS - BRASS									
MODEL	ORIFICE	GPM	RATED	INLET	OUTLET	MAX TEMP	HOSE BARB	SHP WGHT	BOX QTY
100575	1.8 mm	2.0 to 3.0 GPM	3,500 PSI	3/8" M Plug	3/8" F Coupler	190° F	1/4"	0.4 lbs.	25
100576	2.1 mm	3.0 to 5.0 GPM	3,500 PSI	3/8" M Plug	3/8" F Coupler	190° F	1/4"	0.4 lbs.	25
100577	2.3 mm	5.0 to 8.0 GPM	3,500 PSI	3/8" M Plug	3/8" F Coupler	190° F	1/4"	0.4 lbs.	25
100617	1.8 mm	2.0 to 3.0 GPM	3,500 PSI	3/8" F Coupler	3/8" M Plug	190° F	1/4"	0.4 lbs.	25
100618	2.1 mm	3.0 to 5.0 GPM	3,500 PSI	3/8" F Coupler	3/8" M Plug	190° F	1/4"	0.4 lbs.	25
100619	2.3 mm	5.0 to 8.0 GPM	3,500 PSI	3/8" F Coupler	3/8" M Plug	190° F	1/4"	0.4 lbs.	25

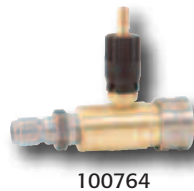
Quick Connect Adjustable Chemical Injectors - Stainless Steel Plug



Product Group: L

QUICK CONNECT ADJUSTABLE CHEMICAL INJECTORS - STAINLESS STEEL PLUG									
MODEL	ORIFICE	GPM	RATED	INLET	OUTLET	MAX TEMP	HOSE BARB	SHP WGHT	BOX QTY
100633	1.8 mm	2.0 to 3.0 GPM	3,500 PSI	3/8" F Coupler	3/8" M Plug	190° F	1/4"	0.4 lbs.	25
100634	2.1 mm	3.0 to 5.0 GPM	3,500 PSI	3/8" F Coupler	3/8" M Plug	190° F	1/4"	0.4 lbs.	25
100635	2.3 mm	5.0 to 8.0 GPM	3,500 PSI	3/8" F Coupler	3/8" M Plug	190° F	1/4"	0.4 lbs.	25
100653	1.8 mm	2.0 to 3.0 GPM	3,500 PSI	3/8" M Plug	3/8" F Coupler	190° F	1/4"	0.4 lbs.	25
100654	2.1 mm	3.0 to 5.0 GPM	3,500 PSI	3/8" M Plug	3/8" F Coupler	190° F	1/4"	0.4 lbs.	25
100655	2.3 mm	5.0 to 8.0 GPM	3,500 PSI	3/8" M Plug	3/8" F Coupler	190° F	1/4"	0.4 lbs.	25

Quick Connect Adjustable Chemical Injectors - Stainless Steel Plug & Collar



Product Group: L

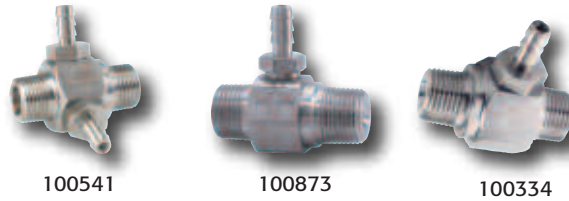
QUICK CONNECT ADJUSTABLE CHEMICAL INJECTORS - STAINLESS STEEL PLUG & COLLAR									
MODEL	ORIFICE	GPM	RATED	INLET	OUTLET	MAX TEMP	HOSE BARB	SHP WGHT	BOX QTY
100763	1.8 mm	2.0 to 3.0 GPM	4,500 PSI	3/8" M Plug	3/8" F Coupler	190° F	1/4"	0.4 lbs.	25
100764	2.1 mm	3.0 to 5.0 GPM	4,500 PSI	3/8" M Plug	3/8" F Coupler	190° F	1/4"	0.4 lbs.	25
100765	2.3 mm	5.0 to 8.0 GPM	4,500 PSI	3/8" M Plug	3/8" F Coupler	190° F	1/4"	0.4 lbs.	25

Fixed Chemical Injectors - Standard



Product Group: L

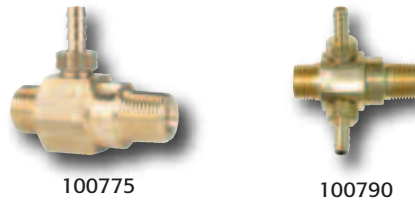
FIXED CHEMICAL INJECTORS - STANDARD									
MODEL	ORIFICE	GPM	RATED	INLET	OUTLET	MAX TEMP	HOSE BARB	SHP WGHT	BOX QTY
100819	1.5 mm	1.0 to 2.0 GPM	4,250 PSI	3/8" NPT-M	3/8" NPT-M	190° F	1/4"	0.3 lbs.	25
100820	1.8 mm	2.0 to 3.0 GPM	4,250 PSI	3/8" NPT-M	3/8" NPT-M	190° F	1/4"	0.3 lbs.	25
100821	2.1 mm	3.0 to 5.0 GPM	4,250 PSI	3/8" NPT-M	3/8" NPT-M	190° F	1/4"	0.3 lbs.	25
100822	2.3 mm	5.0 to 8.0 GPM	4,250 PSI	3/8" NPT-M	3/8" NPT-M	190° F	1/4"	0.3 lbs.	25



Fixed Chemical Injectors - Stainless Steel

Product Group: L

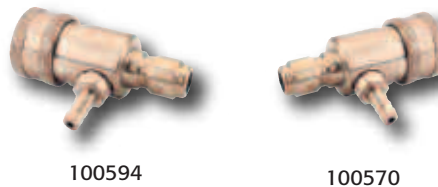
FIXED CHEMICAL INJECTORS - STAINLESS STEEL									
MODEL	ORIFICE	GPM	RATED	INLET	OUTLET	MAX TEMP	HOSE BARB	SHF WGT	BOX QTY
100873	1.8 mm	2.0 to 3.0 GPM	5,500 PSI	3/8" NPT-M	3/8" NPT-M	190° F	1/4"	0.4 lbs.	25
100874	2.1 mm	3.0 to 5.0 GPM	5,500 PSI	3/8" NPT-M	3/8" NPT-M	190° F	1/4"	0.4 lbs.	25
100875	2.3 mm	5.0 to 8.0 GPM	5,500 PSI	3/8" NPT-M	3/8" NPT-M	190° F	1/4"	0.4 lbs.	25
100336	1.44 mm	1.0 to 2.0 GPM	5,500 PSI (MAX)	3/8" NPT-M	3/8" NPT-M	190° F	1/4"	0.4 lbs.	25
100094	1.6 mm	2.0 to 3.0 GPM	5,500 PSI (MAX)	3/8" NPT-M	3/8" NPT-M	190° F	1/4"	0.4 lbs.	25
100835	1.8 mm	2.0 to 3.0 GPM	5,500 PSI (MAX)	3/8" NPT-M	3/8" NPT-M	190° F	1/4"	0.4 lbs.	25
100334	2.1 mm	2.0 to 4.0 GPM	5,500 PSI (MAX)	3/8" NPT-M	3/8" NPT-M	190° F	1/4"	0.4 lbs.	25
100333	2.3 mm	3.0 to 5.0 GPM	5,500 PSI (MAX)	3/8" NPT-M	3/8" NPT-M	190° F	1/4"	0.4 lbs.	25
100339	2.5 mm	5.0 to 8.0 GPM	5,500 PSI (MAX)	3/8" NPT-M	3/8" NPT-M	190° F	1/4"	0.4 lbs.	25
100541	2.1 mm	3.0 to 5.0 GPM	5,500 PSI	3/8" NPT-M	3/8" NPT-M	190° F	(2) 1/4"	0.4 lbs.	25
100781	Metering Tips								



Fixed Chemical Injectors - High Draw

Product Group: L

FIXED CHEMICAL INJECTORS - HIGH DRAW - CHEMICAL DRAW UP TO 20%									
MODEL	ORIFICE	GPM	RATED	INLET	OUTLET	MAX TEMP	HOSE BARB	SHF WGT	BOX QTY
100773	1.5 mm	1.0 to 2.0 GPM	4,500 PSI	3/8" NPT-M	3/8" NPT-M	190° F	1/4"	0.3 lbs.	25
100774	1.8 mm	2.0 to 3.0 GPM	4,500 PSI	3/8" NPT-M	3/8" NPT-M	190° F	1/4"	0.3 lbs.	25
100775	2.1 mm	3.0 to 5.0 GPM	4,500 PSI	3/8" NPT-M	3/8" NPT-M	190° F	1/4"	0.3 lbs.	25
100776	2.3 mm	5.0 to 8.0 GPM	4,500 PSI	3/8" NPT-M	3/8" NPT-M	190° F	1/4"	0.3 lbs.	25
High Draw Fixed Chemical Injectors with Acid Kit:									
100947	1.5 mm	1.0 to 2.0 GPM	4,500 PSI	3/8" NPT-M	3/8" NPT-M	190° F	1/4"	0.3 lbs.	25
100948	1.8 mm	2.0 to 3.0 GPM	4,500 PSI	3/8" NPT-M	3/8" NPT-M	190° F	1/4"	0.3 lbs.	25
100949	2.1 mm	3.0 to 5.0 GPM	4,500 PSI	3/8" NPT-M	3/8" NPT-M	190° F	1/4"	0.3 lbs.	25
100950	2.3 mm	5.0 to 8.0 GPM	4,500 PSI	3/8" NPT-M	3/8" NPT-M	190° F	1/4"	0.3 lbs.	25
High Draw Dual Port Chemical Injectors:									
100790	2.1 mm	3.0 to 5.0 GPM	4,500 PSI	3/8" NPT-M	3/8" NPT-M	190° F	(2) 1/4"	0.4 lbs.	25
100791	2.3 mm	5.0 to 8.0 GPM	4,500 PSI	3/8" NPT-M	3/8" NPT-M	190° F	(2) 1/4"	0.4 lbs.	25

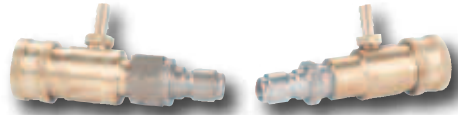


Quick Connect Fixed Chemical Injectors - Brass

Product Group: L

QUICK CONNECT FIXED CHEMICAL INJECTORS - BRASS									
MODEL	ORIFICE	GPM	RATED	INLET	OUTLET	MAX TEMP	HOSE BARB	SHF WGT	BOX QTY
100570	1.8 mm	1.0 to 3.0 GPM	3,500 PSI	3/8" M Plug	3/8" F Coupler	190° F	1/4"	0.4 lbs.	25
100571	2.1 mm	3.0 to 5.0 GPM	3,500 PSI	3/8" M Plug	3/8" F Coupler	190° F	1/4"	0.4 lbs.	25
100572	2.3 mm	3.0 to 8.0 GPM	3,500 PSI	3/8" M Plug	3/8" F Coupler	190° F	1/4"	0.4 lbs.	25
100594	1.8 mm	1.0 to 3.0 GPM	3,500 PSI	3/8" F Coupler	3/8" M Plug	190° F	1/4"	0.4 lbs.	25
100595	2.1 mm	3.0 to 5.0 GPM	3,500 PSI	3/8" F Coupler	3/8" M Plug	190° F	1/4"	0.4 lbs.	25
100616	2.3 mm	3.0 to 8.0 GPM	3,500 PSI	3/8" F Coupler	3/8" M Plug	190° F	1/4"	0.4 lbs.	25

Quick Connect Fixed Chemical Injectors - Stainless Steel Plug



100630

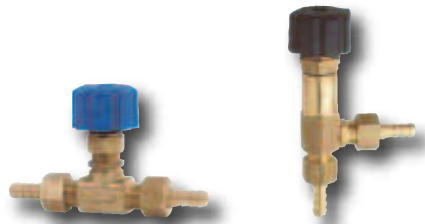
100636

Product Group: L

QUICK CONNECT FIXED CHEMICAL INJECTORS - STAINLESS STEEL PLUG

MODEL	ORIFICE	GPM	RATED	INLET	OUTLET	MAX TEMP	HOSE BARB	SHF WGT	BOX QTY
100690	1.5 mm	1.0 to 2.0 GPM	3,500 PSI	3/8" F Coupler	3/8" M Plug	190° F	1/4"	0.4 lbs.	25
100630	1.8 mm	2.0 to 3.0 GPM	3,500 PSI	3/8" F Coupler	3/8" M Plug	190° F	1/4"	0.4 lbs.	25
100631	2.1 mm	3.0 to 5.0 GPM	3,500 PSI	3/8" F Coupler	3/8" M Plug	190° F	1/4"	0.4 lbs.	25
100632	2.3 mm	5.0 to 8.0 GPM	3,500 PSI	3/8" F Coupler	3/8" M Plug	190° F	1/4"	0.4 lbs.	25
100636	1.8 mm	2.0 to 3.0 GPM	3,500 PSI	3/8" M Plug	3/8" F Coupler	190° F	1/4"	0.4 lbs.	25
100637	2.1 mm	3.0 to 5.0 GPM	3,500 PSI	3/8" M Plug	3/8" F Coupler	190° F	1/4"	0.4 lbs.	25
100638	2.3 mm	5.0 to 8.0 GPM	3,500 PSI	3/8" M Plug	3/8" F Coupler	190° F	1/4"	0.4 lbs.	25

Chemical Valves



Y29094500

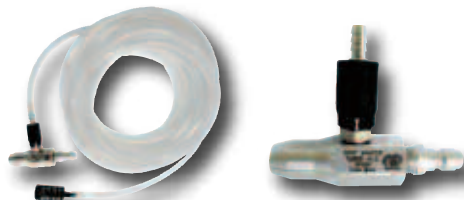
Y29095400

Product Group: T

CHEMICAL VALVES

MODEL	DESCRIPTION	GPM	RATED	CONNECTIONS	MAX TEMP	HOSE BARB	SHF WGT
Y29094500	90° Elbow	2.6 GPM	400 PSI	1/4" BSP-M	105° F	1/4"	0.5 lbs.
Y29095400	Straigne	2.6 GPM	400 PSI	1/4" BSP-M	105° F	1/4"	0.4 lbs.

Chemical Valves



100145

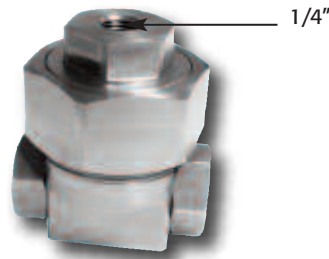
Close-up of Nozzle

Product Group: L

HIGH PRESSURE SOAP SHOOTER - Attaches to a QC on Lance or Extension Wand. Can Shoot soap up to 3 Stories!

MODEL	NOZZLE SIZE
Includes 30 Foot Hose, Filter and Nozzle:	
100169	Includes 3 foot hose, filter and #3.5 stainless steel nozzle. 1/4" QC-M, 5,000 PSI MAX.
100145	Includes 3 foot hose, filter and #4.0 stainless steel nozzle. 1/4" QC-M, 5,000 PSI MAX.
100146	Includes 3 foot hose, filter and #4.5 stainless steel nozzle. 1/4" QC-M, 5,000 PSI MAX.
100147	Includes 3 foot hose, filter and #5.0 stainless steel nozzle. 1/4" QC-M, 5,000 PSI MAX.
100181	Includes 3 foot hose, filter and #6.0 stainless steel nozzle. 1/4" QC-M, 5,000 PSI MAX.
101012	Includes 3 foot hose, filter and #7.0 stainless steel nozzle. 1/4" QC-M, 5,000 PSI MAX.

PULSE PUMPS

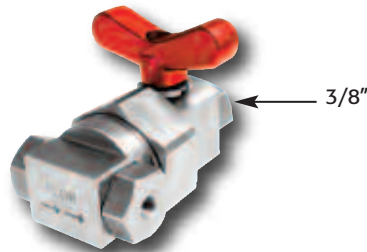


100906

Product Group: S

PULSE PUMP							
MODEL	GPM	RATED	PULSE PUMP PORT INLET	WATER INLET	OUTLET	MAX TEMP	SHP WGHT
100906	0.75 GPM	1,500 PSI	1/4" NPT-F	1/8" NPT-F	1/8" NPT-F	190° F	1.5 lbs.

ADAPTER FITTINGS FOR 100906		
PUMP SERIES	FITTING (1/4" NPT-M)	VALVE
60 (TC, HTC)	520222	103036
47 and 50 (T, TT, TS, HTS)	520190	103035
44 (EZ)	520197	103036
63 (TX, HTXS)	520197	103036
66 (TSF, HTF)	520223	103090
310/3CP/5CP (Cat)	520279	N/A
5CP3, 5CPS (Cat)	520341	N/A
5CP6 (Cat)	520342	N/A



100152

Product Group: S

PULSE PUMP with BALL VALVE - 3,000 PSI WHEN BALL VALVE IS ENGAGED							
MODEL	GPM	RATED	PULSE PUMP PORT INLET	WATER INLET	OUTLET	MAX TEMP	SHP WGHT
100152	0.75 GPM	1,500 PSI*	3/8" NPT-F	1/8" NPT-F	1/8" NPT-F	190° F	1.5 lbs.

ADAPTER FITTINGS FOR 100906		
PUMP SERIES	FITTING (3/8" NPT-M)	VALVE
60 (TC, HTC)	520275	103036
47 and 50 (T, TT, TS, HTS)	520274	103035
44 (EZ)	520273	103036
63 (TX, HTXS)	520273	103036
66 (TSF, HTF)	520276	103090
310/3CP/5CP (Cat)	520282	N/A
5CP3, 5CPS (Cat)	520292	N/A
5CP6 (Cat)	520343	N/A

Front Entry Spray Guns



ZGP11



YRL20

Product Group: I

FRONT ENTRY SPRAY GUNS							
MODEL	GPM	RATED	MAX	INLET	OUTLET	MAX TEMP	SHP WGHT
YRL20	8.0 GPM	2,900 PSI	3,200 PSI	3/8" BSP-F	1/4" BSP-F	320° F	0.8 lbs.
ZGP11	10.5 GPM	3,000 PSI	3,000 PSI	3/8" BSP-F	1/4" BSP-F	285° F	1.2 lbs.

Rear Entry Spray Guns



DG5010



YG4500S



YRL2640W



YG4000



YG5000



DG4512



DCG5010



YRL51



YRL56

Product Group: I

REAR ENTRY SPRAY GUNS									
MODEL	DESCRIPTION	GPM	RATED	MAX	INLET	OUTLET	MAX TEMP	SHP WGHT	BOX QTY
YG4500S	Straight	10.5 GPM	4,500 PSI	5,000 PSI	3/8" NPT-F	1/4" NPT-F	300° F	1.2 lbs.	20
YG4500SW	Straight, Weep	10.5 GPM	4,500 PSI	5,000 PSI	3/8" NPT-F	1/4" NPT-F	300° F	1.2 lbs.	20
YG4500ST	Straight, SS Inlet	10.5 GPM	4,500 PSI	5,000 PSI	3/8" NPT-F	1/4" NPT-F	300° F	1.2 lbs.	20
DG4000S	Straight	8.0 GPM	4,000 PSI	4,000 PSI	3/8" NPT-F	1/4" NPT-F	300° F	1.2 lbs.	20
YRL2640	Standard	8.0 GPM	3,650 PSI	4,000 PSI	3/8" NPT-F	1/4" NPT-F	320° F	1.0 lbs.	20
YRL2640W	Weep Seat	8.0 GPM	3,650 PSI	4,000 PSI	3/8" NPT-F	1/4" NPT-F	320° F	1.0 lbs.	20
YG5000	Standard	10.0 GPM	5,000 PSI	5,000 PSI	3/8" NPT-F	1/4" NPT-F	320° F	1.2 lbs.	20
YG5000ST	SS Inlet	10.0 GPM	5,000 PSI	5,000 PSI	3/8" NPT-F	1/4" NPT-F	320° F	1.2 lbs.	20
YG5000W	Weep Seat	10.0 GPM	5,000 PSI	5,000 PSI	3/8" NPT-F	1/4" NPT-F	320° F	1.2 lbs.	20
YG2527S	Straight	27.0 GPM	2,500 PSI	2,500 PSI	1/2" NPT-F	1/2" NPT-F	320° F	2.8 lbs.	1
YG4032S	Straight	32.0 GPM	4,050 PSI	4,050 PSI	1/2" NPT-F	1/2" NPT-F	320° F	2.8 lbs.	1
Chlorine Applications:									
YG5000C	Ceramic Ball	10.0 GPM	5,000 PSI	5,000 PSI	3/8" NPT-F	1/4" NPT-F	320° F	1.2 lbs.	20
YG4010	Standard	10.5 GPM	4,500 PSI	5,000 PSI	3/8" NPT-F	1/4" NPT-F	320° F	1.2 lbs.	15
YG4010W	Weep Seat	10.5 GPM	4,500 PSI	5,000 PSI	3/8" NPT-F	1/4" NPT-F	320° F	1.2 lbs.	11
YG4000	Standard	10.0 GPM	4,500 PSI	5,000 PSI	3/8" NPT-F	1/4" NPT-F	320° F	1.8 lbs.	40
YG4000WN	Weep Seat	10.5 GPM	3,650 PSI	4,050 PSI	3/8" NPT-F	1/4" NPT-F	320° F	1.8 lbs.	40
DG4000	Standard	8.0 GPM	4,000 PSI	4,000 PSI	3/8" NPT-F	1/4" NPT-F	320° F	1.1 lbs.	20
DG4000W	Weep Seat	8.0 GPM	4,000 PSI	4,000 PSI	3/8" NPT-F	1/4" NPT-F	320° F	1.1 lbs.	20
DG4512	Standard	12.0 GPM	4,500 PSI	4,500 PSI	3/8" NPT-F	1/4" NPT-F	320° F	1.3 lbs.	20
DG5010	Standard	10.0 GPM	5,000 PSI	5,000 PSI	3/8" NPT-F	1/4" NPT-F	320° F	1.4 lbs.	20
DG5010W	Weep Seat	10.0 GPM	5,000 PSI	5,000 PSI	3/8" NPT-F	1/4" NPT-F	320° F	1.4 lbs.	20
DCG5010	Compensating	10.0 GPM	5,000 PSI	5,000 PSI	3/8" NPT-F	1/4" NPT-F	320° F	1.4 lbs.	20
YRL51	Compensating	13.2 GPM	3,650 PSI	4,050 PSI	3/8" NPT-F	1/4" NPT-F	320° F	1.5 lbs.	20
YRL56	Compensating	8.0 GPM	5,100 PSI	5,650 PSI	3/8" NPT-F	1/4" NPT-F	320° F	1.5 lbs.	8



NEW!



High Flow Rear Entry Wash Down Spray Guns

Product Group: I

YG1635

YG1635SR

HIGH FLOW REAR ENTRY WASH DOWN SPRAY GUNS									
MODEL	DESCRIPTION	GPM	RATED	MAX	INLET	OUTLET	MAX TEMP	SHW WGHT	BOX QTY
YG1635	Wash Down	16.0 GPM	350 PSI	350 PSI	1/2" BSP-F	Adj. Cone Nozzle	195° F	2.1 lbs.	10
YG1635S	Wash Down w/Swivel	16.0 GPM	350 PSI	350 PSI	1/2" BSP-F	Adj. Cone Nozzle	195° F	2.1 lbs.	10
YG1635SR	Wash Down w/Swivel, SS Pin	16.0 GPM	350 PSI	350 PSI	1/2" BSP-F	Adj. Cone Nozzle	195° F	2.1 lbs.	10
YG1635SS	Wash Down w/Swivel, 316 SS	16.0 GPM	350 PSI	350 PSI	1/2" BSP-F	Adj. Cone Nozzle	195° F	2.1 lbs.	10
YG2635AS	Wash Down w/Swivel	26.5 GPM	350 PSI	350 PSI	1/2" BSP-F	Adj. Cone Nozzle	195° F	3.5 lbs.	10



YG4060SS



YG1732



YG2953B



YG5200

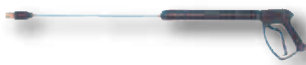


YG7207

Rear Entry Spray Guns Stainless Steel

Product Group: I

REAR ENTRY SPRAY GUNS - STAINLESS STEEL									
MODEL	DESCRIPTION	GPM	RATED	MAX	INLET	OUTLET	MAX TEMP	SHW WGHT	BOX QTY
YG1732	Cartridge	32.0 GPM	1,740 PSI	1,950 PSI	1/2" BSP-F	1/2" BSP-F	320° F	4.0 lbs.	20
YG2953B	Cartridge	53.0 GPM	2,900 PSI	3,200 PSI	3/4" BSP-F	1/2" BSP-F	210° F	5.0 lbs.	10
YG4060SS	Blue	10.5 GPM	4,500 PSI	5,000 PSI	3/8" NPT-F	1/4" NPT-F	320° F	2.0 lbs.	2
YG5200	Red	10.5 GPM	5,800 PSI	6,400 PSI	3/8" NPT-F	1/4" NPT-F	320° F	2.0 lbs.	20
YG5200/L42	YG5200 with 42" Stainless Steel Lance								
YG7207	Compensating	7.5 GPM	7,250 PSI	8,000 PSI	3/8" NPT-F	1/4" NPT-F	320° F	1.6 lbs.	1



Y302561



DG3200M



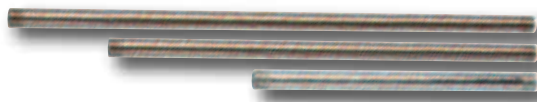
101002

Spray Gun/Lance Combinations

Product Group: I

SPRAY GUN/LANCE COMBINATIONS									
MODEL	DESCRIPTION	GPM	RATED	MAX	INLET	OUTLET	MAX TEMP	SHW WGHT	
YRL56L	42" Lance	8.0 GPM	5,100 PSI	5,650 PSI	3/8" NPT-F	1/4" NPT-F	320° F	3.3 lbs.	
YG3000DS	16" Lance	10.5 GPM	2,750 PSI	3,050 PSI	3/8" NPT-F	1/8" NPT-F	140° F	2. lbs.	
YG3000D	40" Lance	10.5 GPM	2,750 PSI	3,050 PSI	3/8" NPT-F	1/8" NPT-F	140° F	3.0 lbs.	
Y3025717	YG5000 Assembled with 36" Lance and 1/4" Quick Disconnect								3.0 lbs.
100751	YG5000 Assembled with 18" Lance and 1/4" Quick Disconnect								2.5 lbs.
100059	YG4010 Assembled with 36" Insulated Lance and 1/4" Quick Disconnect								3.0 lbs.
100160	DG4010 Assembled with 36" Insulated Lance and 1/4" Quick Disconnect								3.0 lbs.
DG320014		6.5 GPM	3,200 PSI	3,200 PSI	1/4" NPT-F	M22-F	195° F	1.5 lbs.	
DG320038		6.5 GPM	3,200 PSI	3,200 PSI	3/8" NPT-F	M22-F	195° F	1.5 lbs.	
DG3200M		6.5 GPM	3,200 PSI	3,200 PSI	M22-M	M22-F	195° F	1.5 lbs.	
101002	YG7207 Spray Gun with 36" stainless steel lance, 7.5 GPM, 7,250 PSI								
DGLN3230M	Gun, Lance, 1.3mm Nozzle, M22 Inlet								
DGLN3299M	Gun, Lance, 0.99 mm Nozzle, M22 Inlet								
DGLNH120	Gun, Lance Kit, 1.2 mm Nozzle, M22 Inlet, 1/4" Hose								
YG23LA27	Gun, 27" Adjustable Lance, 2.3 mm Nozzle, 21.0 GPM								

Stainless Steel Lances



YL8SS

Product Group: I

STAINLESS STEEL LANCES								
MODEL	LENGTH	GPM	RATED	MAX	INLET	OUTLET	SHW WGHT	BOX QTY
YL8SS	8"	10.5 GPM	3,650 PSI	4,050 PSI	1/4" NPT-M	1/4" NPT-M	0.5 lbs.	200
YL31SS	31"	10.5 GPM	3,650 PSI	4,050 PSI	1/4" NPT-M	1/4" NPT-M	0.7 lbs.	100
YL40SS	40"	10.5 GPM	3,650 PSI	4,050 PSI	1/4" NPT-M	1/4" NPT-M	1.0 lbs.	100
YL72SS	72"	10.5 GPM	3,650 PSI	4,050 PSI	1/4" NPT-M	1/4" NPT-M	1.8 lbs.	50

Insulated Lances - Straight



YL20PNS

Product Group: I

INSULATED LANCES - STRAIGHT									
MODEL	LENGTH	GPM	RATED	MAX	INLET	OUTLET	MAX TEMP	SHW WGHT	BOX QTY
YL20PNS	20"	10.5 GPM	3,650 PSI	4,050 PSI	1/4" NPT-M	1/4" NPT-M	320° F	1.1 lbs.	25
YL24PNS	24"	10.5 GPM	3,650 PSI	4,050 PSI	1/4" NPT-M	1/4" NPT-M	320° F	1.3 lbs.	25
YL27PNS	27"	10.5 GPM	3,650 PSI	4,050 PSI	1/4" NPT-M	1/4" NPT-M	320° F	1.4 lbs.	25
YL35PNS	35"	10.5 GPM	3,650 PSI	4,050 PSI	1/4" NPT-M	1/4" NPT-M	320° F	1.7 lbs.	25
YL47PNS	47"	10.5 GPM	3,650 PSI	4,050 PSI	1/4" NPT-M	1/4" NPT-M	320° F	2.2 lbs.	25
YL59PNS	59"	10.5 GPM	3,650 PSI	4,050 PSI	1/4" NPT-M	1/4" NPT-M	320° F	2.8 lbs.	25
YL67PNS	67"	10.5 GPM	3,650 PSI	4,050 PSI	1/4" NPT-M	1/4" NPT-M	320° F	3.0 lbs.	25
YL79PNS	79"	10.5 GPM	3,650 PSI	4,050 PSI	1/4" NPT-M	1/4" NPT-M	320° F	3.4 lbs.	25

Insulated Lances - Bent



YL20PNB

Product Group: I

INSULATED LANCES - BENT									
MODEL	LENGTH	GPM	RATED	MAX	INLET	OUTLET	MAX TEMP	SHW WGHT	BOX QTY
YL36B	Vented 36"	10.5 GPM	3,650 PSI	4,050 PSI	1/4" NPT-M	1/4" NPT-M	320° F	1.7 lbs.	10
YL20PNB	20"	10.5 GPM	3,650 PSI	4,050 PSI	1/4" NPT-M	1/4" NPT-M	320° F	1.1 lbs.	25
YL24PNB	24"	10.5 GPM	3,650 PSI	4,050 PSI	1/4" NPT-M	1/4" NPT-M	320° F	1.3 lbs.	25
YL27PNB	27"	10.5 GPM	3,650 PSI	4,050 PSI	1/4" NPT-M	1/4" NPT-M	320° F	1.4 lbs.	25
YL35PNB	35"	10.5 GPM	3,650 PSI	4,050 PSI	1/4" NPT-M	1/4" NPT-M	320° F	1.7 lbs.	25
YL47PNB	47"	10.5 GPM	3,650 PSI	4,050 PSI	1/4" NPT-M	1/4" NPT-M	320° F	2.2 lbs.	25
YL59PNB	59"	10.5 GPM	3,650 PSI	4,050 PSI	1/4" NPT-M	1/4" NPT-M	320° F	2.8 lbs.	10
YL67PNB	67"	10.5 GPM	3,650 PSI	4,050 PSI	1/4" NPT-M	1/4" NPT-M	320° F	3.0 lbs.	10
YL79PNB	79"	10.5 GPM	3,650 PSI	4,050 PSI	1/4" NPT-M	1/4" NPT-M	320° F	3.0 lbs.	10
ZZ15	59" Zinc	10.5 GPM	3,000 PSI	N/A	1/4" BSP-M	1/4" BSP-M	284° F	2.5 lbs.	N/A



Insulated Lances Chrome Plated

DL24ICS

Product Group: I

INSULATED LANCES - CHROME PLATED									
MODEL	LENGTH	GPM	RATED	MAX	INLET	OUTLET	MAX TEMP	SHP WGHT	BOX QTY
DL24ICS	24"	10.0 GPM	4,000 PSI	4,000 PSI	1/4" NPT-M	1/4" NPT-M	220° F	1.3 lbs.	25
DL27ICS	27"	10.0 GPM	4,000 PSI	4,000 PSI	1/4" NPT-M	1/4" NPT-M	220° F	1.4 lbs.	25
DL36ICS	36"	10.0 GPM	4,000 PSI	4,000 PSI	1/4" NPT-M	1/4" NPT-M	220° F	1.7 lbs.	25
DL42ICS	42"	10.0 GPM	4,000 PSI	4,000 PSI	1/4" NPT-M	1/4" NPT-M	220° F	1.7 lbs.	25
DL47ICS	47"	10.0 GPM	4,000 PSI	4,000 PSI	1/4" NPT-M	1/4" NPT-M	220° F	2.2 lbs.	25
DL59ICS	59"	10.0 GPM	4,000 PSI	4,000 PSI	1/4" NPT-M	1/4" NPT-M	220° F	2.8 lbs.	25
DL79ICS	79"	10.0 GPM	4,000 PSI	4,000 PSI	1/4" NPT-M	1/4" NPT-M	220° F	3.4 lbs.	25



Vented Lances Chrome Plated

DL36VCS

Product Group: I

VENTED LANCES - CHROME PLATED									
MODEL	LENGTH	GPM	RATED	MAX	INLET	OUTLET	MAX TEMP	SHP WGHT	BOX QTY
DL36VCS	36"	10.0 GPM	4,000 PSI	4,000 PSI	1/4" NPT-M	1/4" NPT-M	320° F	1.7 lbs.	25
DL48VCS	48"	10.0 GPM	4,000 PSI	4,000 PSI	1/4" NPT-M	1/4" NPT-M	320° F	2.2 lbs.	25



Vented Lances Stainless Steel

DL36VSSB

Product Group: I

INSULATED LANCES - STAINLESS STEEL									
MODEL	LENGTH	GPM	RATED	MAX	INLET	OUTLET	MAX TEMP	SHP WGHT	BOX QTY
DL36VSSB	36", Bent	10.0 GPM	4,000 PSI	4,000 PSI	1/4" NPT-M	1/4" NPT-M	320° F	1.7 lbs.	25
DL36VSS	36", Straight	10.0 GPM	4,000 PSI	4,000 PSI	1/4" NPT-M	1/4" NPT-M	320° F	1.7 lbs.	25



Insulated Handle, Straight Double Lances

YDL33

Product Group: I

INSULATED HANDLE, STRAIGHT DOUBLE LANCES									
MODEL	LENGTH	GPM	RATED	MAX	INLET	OUTLET	MAX TEMP	SHP WGHT	BOX QTY
YDL33	33"	10.5 GPM	3,650 PSI	4,050 PSI	1/4" NPT-M	1/4" NPT-M	320° F	2.2 lbs.	20
YDL41	41"	10.5 GPM	3,650 PSI	4,050 PSI	1/4" NPT-M	1/4" NPT-M	320° F	2.4 lbs.	20
YDL41SS	41",SS	10.5 GPM	3,650 PSI	4,050 PSI	1/4" NPT-M	1/4" NPT-M	320° F	2.4 lbs.	10
YDL33SSB	33",SS,Bent	10.5 GPM	3,650 PSI	4,050 PSI	1/4" NPT-M	1/4" NPT-M	320° F	2.2 lbs.	20
YDL41SSB	41",SS,Bent	10.5 GPM	3,650 PSI	4,050 PSI	1/4" NPT-M	1/4" NPT-M	320° F	2.4 lbs.	20

LANCES

Bent Double Lances Zinc Plated Steel



ZZDBL

DLD42VS

Product Group: I

BENT DOUBLE LANCES - ZINC PLATED STEEL									
MODEL	LENGTH	GPM	RATED	MAX	INLET	OUTLET	MAX TEMP	SHP WGHT	BOX QTY
YDL33B	33"	10.5 GPM	3,650 PSI	4,050 PSI	1/4" NPT-M	1/4" NPT-M	320° F	2.2 lbs.	20
YDL41B	41"	10.5 GPM	3,650 PSI	4,050 PSI	1/4" NPT-M	1/4" NPT-M	320° F	2.4 lbs.	20
ZZDBL	36"	10.5 GPM	3,650 PSI	4,050 PSI	1/4" NPT-M	1/4" NPT-M	284° F	2.5 lbs.	300
100673	ZZDBL Lance Assembly with 1/4" QD Connector and 965400M Nozzle								
ZZDBL72	72"	10.5 GPM	3,650 PSI	4,050 PSI	1/4" BSP-M	1/4" BSP-M	284° F	3.5 lbs.	50
DLD42VS	42" Vented	10.5	4,000 PSI	4,000 PSI	1/4" NPT-M	1/4" NPT-M	320° F	2.4	10
100752	ZZDBL72 Lance Assembly with 1/4" QD Connector and 965400M Nozzle, 284° F								

Lances, Rectangle Handle Vented Grip



YLD943

Product Group: I

VENTED GRIP LANCES - RECTANGLE HANDLE									
MODEL	LENGTH	GPM	RATED	MAX	INLET	OUTLET	MAX TEMP	SHP WGHT	BOX QTY
YDL935	35"	10.5 GPM	3,650 PSI	4,050 PSI	1/4" NPT-M	1/4" NPT-F	320° F	2.6 lbs.	N/A
YLD943	43"	10.5 GPM	3,650 PSI	4,050 PSI	1/4" NPT-M	1/4" NPT-F	320° F	2.4 lbs.	N/A

Lances

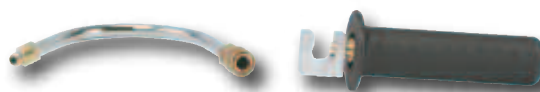


DLE1614

Product Group: I

LANCES								
MODEL	LENGTH	RATED	INLET	OUTLET	MAX TEMP	SHP WGHT	BOX QTY	
DLE1618	16"	3,200 PSI	M22-M	1/8" NPT-M	195° F	0.5 lbs.	12	
DLE2818	28"	3,200 PSI	M22-M	1/8" NPT-M	195° F	1.0 lbs.	12	
DLE1614	16"	3,200 PSI	M22-M	1/4" NPT-M	195° F	0.75 lbs.	12	
DLE2214	22"	3,200 PSI	M22-M	1/4" NPT-M	195° F	1.0 lbs.	12	
DLE2814	28"	3,200 PSI	M22-M	1/4" NPT-M	195° F	1.5 lbs.	12	

Lance Accessories



D20011

D22000

Product Group: I

LANCE ACCESSORIES		
MODEL	DESCRIPTION	BOX QTY
D20011	12" Gutter Cleaner, 1/4" QC Connectors, for use with #5.0 or larger nozzle	50
D22000	Adjustable Lance Handle for 1/4" Lances	200

PRESSURE CLEANING ACCESSORIES

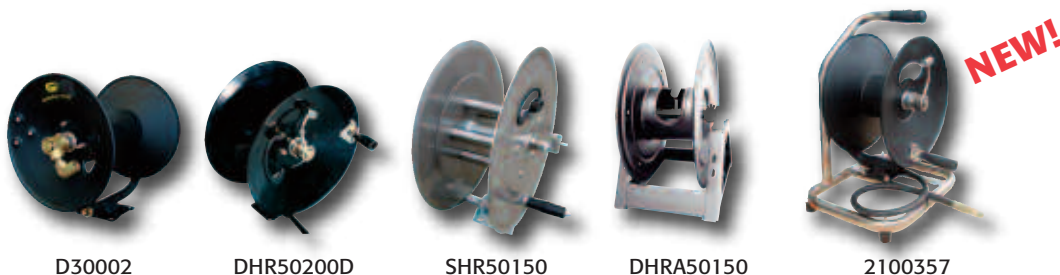


Flat Surface Cleaners

Product Group:

FLAT SURFACE CLEANERS - HEAVY-DUTY ABS COVER - COMPENSATING GUN										
MODEL	BEARING	MAX GPM	RATED	MIN	DECK	INLET	NOZZLE	MAX TEMP	SHP WGHT	PALLET QTY
DFSCP12	Sealed	6.5 GPM	3,500 PSI	800 PSI	12"	3/8" NPT-F	925020S (2)	180° F	12.0 lbs.	99
DCFSCP18	Sealed	8.0 GPM	4,000 PSI	1,000 PSI	18"	3/8" NPT-F	925020M (2)	180° F	19.0 lbs.	12
DCFSCP18GZ	Grease Zirc	8.0 GPM	4,000 PSI	1,000 PSI	18"	3/8" NPT-F	925020M (2)	180° F	19.0 lbs.	12
DCFSCP20	Sealed	8.0 GPM	4,000 PSI	1,000 PSI	20"	3/8" NPT-F	925020M (2)	180° F	24.0 lbs.	12
DCFSCP20GZ	Grease Zirc	8.0 GPM	4,000 PSI	1,000 PSI	20"	3/8" NPT-F	925020M (2)	180° F	24.0 lbs.	12
2100200	Caster Kit, Flat Surface Cleaner									

NEW!! FLAT SURFACE CLEANERS - STAINLESS STEEL - COMPENSATING GUN - INCLUDES CASTERS										
MODEL	BEARING	MAX GPM	RATED	MIN	DECK	INLET	NOZZLE	MAX TEMP	SHP WGHT	PALLET QTY
DCFSCS22Z	Grease Zirc	8.0 GPM	4,000 PSI	1,000 PSI	22"	3/8" NPT-F	925020M (3)	180° F	28.0 lbs.	12



Hose Reels

Product Group:

HOSE REELS - Direct hand crank rewind with locking mechanism, solid steel construction with durable powdercoat paint and full flow swivel and brass joint.					
MODEL	DESCRIPTION	TEMP	MAX	SHP WGHT	PALLET
D30001	50' x 3/8" complete with mounting base, 10.5x6.7x7.4x11.5"	185° F	4,000 PSI	12.0 lbs.	60
D30002	100' x 3/8" complete with mounting base, 10.5x12x7.4x15.2"	185° F	4,000 PSI	13.0 lbs.	54
D30004	150' x 3/8" complete with mounting base, 13.4x9.8x8.8x10.8"	185° F	4,000 PSI	15.0 lbs.	36
D30006	200' x 3/8" complete with mounting base, 13.4x15x9.8x19.7"	185° F	4,000 PSI	12.0 lbs.	26
DHR50100D	Industrial, 100' x 3/8", complete with mounting base and pigtail, 16.2"x13.7"x 14.8x10"	185° F	5,000 PSI	20.0 lbs.	36
DHR50150D	Industrial, 150' x 3/8", complete with mounting base and pigtail, 16.2"x13.7"x 14.8x10"	185° F	5,000 PSI	22.0 lbs.	24
DHR50200D	Industrial, 200' x 3/8", complete with mounting base and pigtail, 19.8"x14.3"x 14.8x10"	185° F	5,000 PSI	24.0 lbs.	18
DHRA50150	Industrial, 150' x 3/8", "A" Frame	300° F	5,000 PSI	30.0 lbs.	18
DHRA50300	Industrial, 300' x 3/8", "A" Frame	300° F	5,000 PSI	32.0 lbs.	N/A
DHRP50150	Industrial, 150' x 3/8", Pedestal	185° F	5,000 PSI	22.0 lbs.	N/A
SHR50150	High Temp, with stainless steel rum, 100'x3/8" complete with mounting base	400° F	5,000 PSI	18.0 lbs.	N/A
2100357	100' x 3/8" Hose Reel on base with carry handle, can be used with the sewer attachment below	185° F	5,000 PSI	18.0 lbs.	N/A



SEWER JETTING HOSE REEL ATTACHMENT				
MODEL	DESCRIPTION	TEMP	MAX	PALLET QTY
2100358	Sewer jetting hose reel attachment - attaches to any hose reel - includes ball valve, 1/4" inlet/outlet gauge and 3 sewer jet nozzles	185° F	5,000 PSI	N/A

PRESSURE CLEANING ACCESSORIES

Water Brooms



100870C



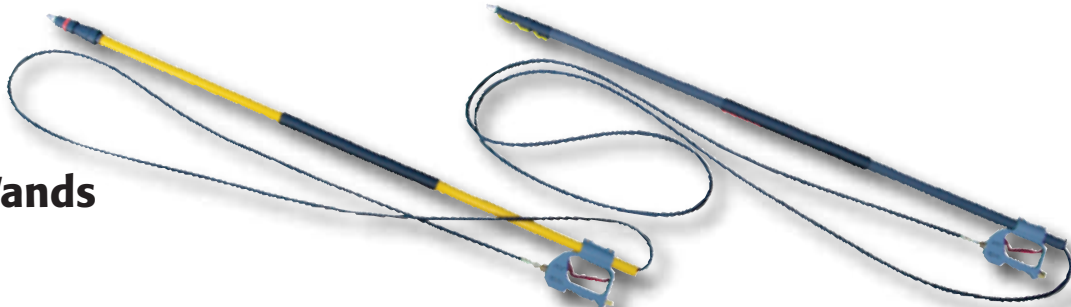
2100306

The Original
TRIKLEENER®

Product Group: T

WATER BROOMS			
MODEL	DESCRIPTION	NOZZLE PORTS	PRESSURE
100869C	12" Water Broom with (3) 65 Degree Nozzles, 36" Molded, Insulated Lance and 1/4" QC	3	3,000 PSI
100870C	16" Water Broom with (4) 65 Degree Nozzles, 36" Molded, Insulated Lance, 1/4" QC	4	3,000 PSI
2100306	TRIKLEENER® Water Broom, 12" Adjustable Height	3	4,500 PSI

The Giraffe Telescoping Wands



Product Group: I

GIRAFFE - TELESCOPING WANDS - CLEANING JOBS UP TO 3 STORIES HIGH, FOR USE WITH HOT OR COLD PRESSURE WASHERS. NOZZLE HOLDER ACCEPTS STANDARD QUICK COUPLE SPRAY NOZZLES, GUN INCLUDED								
MODEL	LENGTH	GPM	MAX	OUTLET	RETRACTED DIMENSIONS	MAX TEMP	SHW WGHT	PALLET QTY
DLTG12	12 Feet	10.5 GPM	4,000 PSI	1/4" QC	6.1 x 7'5"	195° F	9.2 lbs.	55
<i>Complete with the compensating gun feature:</i>								
DCLTG18	18 Feet	10.5 GPM	4,000 PSI	1/4" QC	6.1 x 7'5"	195° F	11.6 lbs.	55
DCLTG24	24 Feet	10.5 GPM	4,000 PSI	1/4" QC	6.1 x 7'8"	195° F	14.2 lbs.	55

GIRAFFE - TELESCOPING WANDS - ALL ALUMINUM POLE, DCLTG18A IS IN 3 SECTIONS, DCLTG44 IS IN 4 SECTIONS. 5/6" DOUBLE BRAID, 4,000 PSI HOSE, LIGHTWEIGHT POLES, NEW COMPENSATING GUN AND WAND BELT INCLUDED.								
MODEL	LENGTH	GPM	MAX	OUTLET	RETRACTED DIMENSIONS	MAX TEMP	SHW WGHT	PALLET QTY
DCLTG18A	18 Feet	10.5 GPM	4,000 PSI	1/4" QC	6.8" x 6'5"	195° F	13.0 lbs.	55
DCLTG24A4	24 Feet	10.5 GPM	4,000 PSI	1/4" QC	6.8" x 6'8"	195° F	16.5 lbs.	55

GIRAFFE ACCESSORY - PRODUCT GROUP N	
PART NUMBER	DESCRIPTION
D20015	Wand Belt, decreases strain on your back and shoulders. Attaches to all GP telescoping wands.

PRESSURE CLEANING ACCESSORIES



YLS12T



YLS12T



ZOFOAM

Foamers

Product Group: N

FOAMERS						
MODEL	DESCRIPTION	GPM	RATED	MAX	SHP WGHT	BOX QTY
YLS12	Foamer Lance with 1.5 mm Injector	6.5 GPM	2,900 PSI	3,200 PSI	1.5 lbs.	45
YLS12T	Foamer Lance with 1.5 mm Injector (1 qt. tank)	6.5 GPM	2,900 PSI	3,200 PSI	1.5 lbs.	5
YLS31T	Foamer Lance with 1.25 mm Injector	5.3 GPM	2,300 PSI	2,600 PSI	1.0 lbs.	5
ZOFOAM	Foamer Nozzle Kit with Tank	4.0 GPM	1,450 PSI	1,450 PSI	1.5 lbs.	N/A



YROTBRUSH

Brushes

Product Group: N

BRUSHES						
MODEL	DESCRIPTION	MAX	INLET	MAX TEMP	SHP WGHT	BOX QTY
YROTBRUSH	Natural Bristle Rotating Brush	435 PSI	1/4" BSP-M	140° F	1.8 lbs.	21
190091	YROTBRUSH with Lance					

SPRAY TIPS

Spray Tips



925055M



925055Q



925055S

Product Group: O

SPRAY TIPS - THROUGH-HARDENED STAINLESS STEEL ORIFICE IN A STAINLESS STEEL HOUSING						
Part Number Examples:						
9	4	0	0	3	0	M
Spray Tip	Tip Angle = 40°		Tip Size = 03		Connection = 1/4" Male	
9	1	5	0	5	5	S
Spray Tip	Tip Angle = 15°		Tip Size = 055		Connection = 1/8" Male	
9	0	0	0	6	0	Q
Spray Tip	Tip Angle = 0°		Tip Size = 06		Connection = Quick Disconnect	

NOZZLE SIZE	SIZE	0° Red	15° Yellow	25° Green	40° White
	020	900020	915020	925020	940020
025	900025	915025	925025	940025	
030	900030	915030	925030	940030	
032	900032	915032	925032	940032	
035	900035	915035	925035	940035	
037	900037	915037	925037	940037	
040	900040	915040	925040	940040	
045	900045	915045	925045	940045	
050	900050	915050	925050	940050	
055	900055	915055	925055	940055	
060	900060	915060	925060	940060	
065	900065	915065	925065	940065	
070	900070	915070	925070	940070	
075	900075	915075	925075	940075	
080	900080	915080	925080	940080	
085	900085	915085	925085	940085	
090	900090	915090	925090	940090	
100	900100	915100	925100	940100	

	GPM @ PSI				
	1,000 PSI	2,000 PSI	3,000 PSI	4,000 PSI	5,000 PSI
1.0	1.41	1.73	2.00	2.24	
1.25	1.77	2.17	2.50	2.80	
1.50	2.12	2.60	3.00	3.35	
1.63	2.30	2.81	3.25	3.63	
1.75	2.47	3.03	3.50	3.91	
1.88	2.65	3.25	3.75	4.17	
2.0	2.83	3.46	4.00	4.47	
2.25	3.18	3.90	4.50	5.03	
2.50	3.54	4.33	5.00	5.59	
2.75	3.89	4.70	5.50	6.15	
3.0	4.24	5.20	6.00	6.70	
3.25	4.60	5.63	6.50	7.27	
3.50	4.95	6.06	7.00	7.83	
3.75	5.30	6.50	7.50	8.39	
4.00	5.66	6.93	8.00	8.94	
4.25	6.01	7.36	8.50	9.50	
4.5	6.36	7.79	9.00	10.06	
5.0	7.07	8.66	10.00	11.18	

Standard Nozzles



Assorted Nozzles

Product Group: O

STANDARD NOZZLES		
MODEL	DESCRIPTION	SHP WGHT
F - Style	Spray Nozzle, 1/4" Female	0.1 lbs.
M - Style	Spray Nozzle, 1/4" NPT-M	0.1 lbs.
S - Style	Spray Nozzle, 1/8" NPT-M	0.1 lbs.
Q - Style	Spray Nozzle, 1/4" Quick Disconnect	0.1 lbs.

Please call your GP Sales Representative for additional nozzle sizes.



Assorted Nozzles

Chemical Nozzles**Product Group: O**

CHEMICAL NOZZLES			
MODEL	DESCRIPTION	SHP WGHT	BOX QTY
915500MSS	#50 Orifice, 15° Spray Angle, Stainless Steel, 1/4 NPT-M	0.1 lbs.	250
915500QB	#50 Orifice, 15° Spray Angle, Brass, Q-Style	0.1 lbs.	250
965400M	#40 Orifice, 65° Spray Angle, 1/4" NPT-M	0.1 lbs.	250
965400Q	#40 Orifice, 65° Spray Angle, Q-Style, 100% Brass	0.1 lbs.	250
965400S	#40 Orifice, 65° Spray angle, 1/8" NPT-M	0.1 lbs.	250
925400M	#40 Orifice, 25° Spray Angle, 1/4" NPT-M	0.1 lbs.	250
925400Q	#40 Orifice, 15° Spray Angle, Q-Style, 100% Brass	0.1 lbs.	250
900400Q	#40 Orifice, 0° Spray Angle, Q-Style, 100% Brass	0.1 lbs.	250



Nozzle 5-Pack

**Nozzle 5-Packs
1/4" Quick Disconnect****Product Group: P**

NOZZLE 5-PACKS - ONE EACH: 0°, 15°, 25°, 40°, PLUS ONE 65° #40 CHEMICAL		
MODEL	DESCRIPTION	SHP WGHT
105082	#3.0	0.5 lbs.
105083	#3.5	0.5 lbs.
105084	#4.0	0.5 lbs.
105085	#4.5	0.5 lbs.
105086	#5.0	0.5 lbs.
105087	#5.5	0.5 lbs.
105088	#6.0	0.5 lbs.
105089	#6.5	0.5 lbs.
105090	#7.0	0.5 lbs.
105194	#7.5	0.5 lbs.



Nozzle 4-Pack

**Nozzle 4-Packs
1/4" Quick Disconnect****Product Group: P**

NOZZLE 4-PACKS - ONE EACH: 0°, 15°, 25°, 40°		
MODEL	DESCRIPTION	SHP WGHT
105127	#3.0	0.5 lbs.
105120	#3.5	0.5 lbs.
105121	#4.0	0.5 lbs.
105122	#4.5	0.5 lbs.
105123	#5.0	0.5 lbs.
105124	#5.5	0.5 lbs.
105125	#6.0	0.5 lbs.
105126	#6.5	0.5 lbs.

NOZZLES

Adjustable Nozzles Variable Spray Angle and High/Low Pressure Setting



YHL20

Product Group: A

ADJUSTABLE NOZZLES, VARIABLE SPRAY ANGLE AND HIGH/LOW PRESSURE SETTINGS							
MODEL	SIZE/COLOR	RATED	MAX	INLET	MAX TEMP	SHP WGHT	BOX QTY
YHL20	#2.0/Light Green	3,650 PSI	4,050 PSI	1/4" BSP-F	195° F	0.4 lbs.	
YHL25	#2.5/Pink	3,650 PSI	4,050 PSI	1/4" BSP-F	195° F	0.4 lbs.	
YHL30	#3.0/White	3,650 PSI	4,050 PSI	1/4" BSP-F	195° F	0.4 lbs.	100
YHL35	#3.5/Brown	3,650 PSI	4,050 PSI	1/4" BSP-F	195° F	0.4 lbs.	100
YHL40	#4.0/Dark Yellow	3,650 PSI	4,050 PSI	1/4" BSP-F	195° F	0.4 lbs.	100
YHL45	#4.5/Blue	3,650 PSI	4,050 PSI	1/4" BSP-F	195° F	0.4 lbs.	
YHL50	#5.0/Light Purple	3,650 PSI	4,050 PSI	1/4" BSP-F	195° F	0.4 lbs.	
YHL55	#5.5/Dark Red	3,650 PSI	4,050 PSI	1/4" BSP-F	195° F	0.4 lbs.	
YHL60	#6.0/Dark Green	3,650 PSI	4,050 PSI	1/4" BSP-F	195° F	0.4 lbs.	
YHL70	#7.0/Orange	3,650 PSI	4,050 PSI	1/4" BSP-F	195° F	0.4 lbs.	
YHL80	#8.0/Silver	3,650 PSI	4,050 PSI	1/4" BSP-F	195° F	0.4 lbs.	

Adjustable Spray High/Low Pressure Nozzles



DHL4120

Product Group: A

ADJUSTABLE SPRAY HIGH/LOW PRESSURE NOZZLES						
MODEL	SIZE/COLOR	RATED	INLET	MAX TEMP	SHP WGHT	BOX QTY
DHL4086	0.86 mm/Green	3,200 PSI	1/4" BSP-F	195° F	0.5 lbs.	90
DHL4099	0.99 mm/Pink	3,200 PSI	1/4" BSP-F	195° F	0.5 lbs.	90
DHL4120	1.2 mm/Brown	3,200 PSI	1/4" BSP-F	195° F	0.5 lbs.	90
DHL4130	1.3 mm/Yellow	3,200 PSI	1/4" BSP-F	195° F	0.5 lbs.	90
DHL4140	1.4 mm/ Blue	3,200 PSI	1/4" BSP-F	195° F	0.5 lbs.	90
DHL4150	1.5 mm/Red	3,200 PSI	1/4" BSP-F	195° F	0.5 lbs.	90
DHL4160	1.6 mm/Green	3,200 PSI	1/4" BSP-F	195° F	0.5 lbs.	10
DHL4170	1.7 mm/Orange	3,200 PSI	1/4" BSP-F	195° F	0.5 lbs.	90
DHL4180	1.8 mm/Silver	3,200 PSI	1/4" BSP-F	195° F	0.5 lbs.	10

Adjustable Nozzles, Premium High/Low Pressure Settings and Variable Spray Angles



YHILO



ZOMULTIREG99

Product Group: A

ADJUSTABLE NOZZLES, HIGH/LOW PRESSURE SETTINGS AND VARIABLE SPRAY ANGLES							
MODEL	SIZE/COLOR	RATED	MAX	INLET	MAX TEMP	SHP WGHT	BOX QTY
YHILO110	#3.0/White	4,050 PSI	4,500 PSI	1/4" BSP-F	195° F	0.5 lbs.	10
YHILO120	#3.5/Brown	4,050 PSI	4,500 PSI	1/4" BSP-F	195° F	0.5 lbs.	10
YHILO130	#4.0/Yellow	4,050 PSI	4,500 PSI	1/4" BSP-F	195° F	0.5 lbs.	10
YHILO140	#4.5/Blue	4,050 PSI	4,500 PSI	1/4" BSP-F	195° F	0.5 lbs.	10
YHILO150	#5.5/Red	4,050 PSI	4,500 PSI	1/4" BSP-F	195° F	0.5 lbs.	10
YHILO160	#6.0/Dark Green	4,050 PSI	4,500 PSI	1/4" BSP-F	195° F	0.5 lbs.	10
YHILO170	#7.0/Orange	4,050 PSI	4,500 PSI	1/4" BSP-F	195° F	0.5 lbs.	10
ZOMULTIREG99*	5.5 GPM	3,000 PSI	3,000 PSI	1/4" BSP-F	195° F	1.1 lbs.	N/A

*When ordering ZOMULTIREG99, specify nozzle as needed for application.

NOZZLES



Y3K

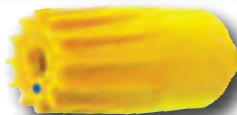


Y5K

Rotating Nozzles

Product Group: A

ROTATING NOZZLES						
MODEL	SIZE	MAX	INLET	MAX TEMP	SHP WGHT	BOX QTY
Y3K020	2.0	3,000 PSI	1/4" BSP-F	194° F	.75 lbs.	5
Y3K030	3.0	3,000 PSI	1/4" BSP-F	194° F	.75 lbs.	5
Y3K035	3.5	3,000 PSI	1/4" BSP-F	194° F	.75 lbs.	5
Y3K040	4.0	3,000 PSI	1/4" BSP-F	194° F	.75 lbs.	5
Y3K045	4.5	3,000 PSI	1/4" BSP-F	194° F	.75 lbs.	5
Y3K050	5.0	3,000 PSI	1/4" BSP-F	194° F	.75 lbs.	5
Y3K055	5.5	3,000 PSI	1/4" BSP-F	194° F	.75 lbs.	5
Y3K065	6.5	3,000 PSI	1/4" BSP-F	194° F	.75 lbs.	5
Y5K020	2.0	5,000 PSI	1/4" BSP-F	194° F	1.75 lbs.	5
Y5K030	3.0	5,000 PSI	1/4" BSP-F	194° F	1.75 lbs.	5
Y5K035	3.5	5,000 PSI	1/4" BSP-F	194° F	1.75 lbs.	5
Y5K040	4.0	5,000 PSI	1/4" BSP-F	194° F	1.75 lbs.	5
Y5K045	4.5	5,000 PSI	1/4" BSP-F	194° F	1.75 lbs.	5
Y5K050	5.0	5,000 PSI	1/4" BSP-F	194° F	1.75 lbs.	5
Y5K055	5.5	5,000 PSI	1/4" BSP-F	194° F	1.75 lbs.	5
Y5K060	6.0	5,000 PSI	1/4" BSP-F	194° F	1.75 lbs.	5
Y5K065	6.5	5,000 PSI	1/4" BSP-F	194° F	1.75 lbs.	5
Y5K090	9.0	5,000 PSI	1/4" BSP-F	194° F	1.75 lbs.	5
Y5K100	10.0	5,000 PSI	1/4" BSP-F	194° F	1.75 lbs.	5
Y5K120	12.0	5,000 PSI	1/4" BSP-F	194° F	1.75 lbs.	5
Y5K200	20.0	5,000 PSI	1/4" BSP-F	194° F	1.75 lbs.	5



YR23K40



YR36K30



YR51K30

Rotating Nozzles

Product Group: A

ROTATING NOZZLES - SHOCK RESISTANT CERAMIC, INTERNAL STABILIZATION SPRING, CAN BE OPERATED IN ANY DIRECTION. YR23K IS DESIGNED FOR LOWER PRESSURES, YR36K IS DESIGNED TO OPERATE AT PRESSURES MOST COMMON IN THE MARKET AND YR51K IS FOR HIGHER PRESSURES AND MORE DEMANDING APPLICATIONS.

MODEL	SIZE	MIN PRESSURE	MAX PRESSURE	INLET	MAX TEMP	SHP WGHT	BOX QTY
YR23K20	2.0	435 PSI	2,300 PSI	1/4" BSP-F	212° F	0.9 lbs.	5
YR23K25	2.5	435 PSI	2,300 PSI	1/4" BSP-F	212° F	0.9 lbs.	5
YR23K30	3.0	435 PSI	2,300 PSI	1/4" BSP-F	212° F	0.9 lbs.	5
YR23K35	3.5	435 PSI	2,300 PSI	1/4" BSP-F	212° F	0.9 lbs.	5
YR23K40	4.0	435 PSI	2,300 PSI	1/4" BSP-F	212° F	0.9 lbs.	5
YR23K45	4.5	435 PSI	2,300 PSI	1/4" BSP-F	212° F	0.9 lbs.	5
YR23K50	5.0	435 PSI	2,300 PSI	1/4" BSP-F	212° F	0.9 lbs.	5
YR23K55	5.5	435 PSI	2,300 PSI	1/4" BSP-F	212° F	0.9 lbs.	5
YR23K60	6.0	435 PSI	2,300 PSI	1/4" BSP-F	212° F	0.9 lbs.	5
YR23K65	6.5	435 PSI	2,300 PSI	1/4" BSP-F	212° F	0.9 lbs.	5
YR23K70	7.0	435 PSI	2,300 PSI	1/4" BSP-F	212° F	0.9 lbs.	5
YR23K80	8.0	435 PSI	2,300 PSI	1/4" BSP-F	212° F	0.9 lbs.	5
YR36K30	3.0	1,150 PSI	3,650 PSI	1/4" BSP-F	212° F	0.9 lbs.	5
YR36K35	3.5	1,150 PSI	3,650 PSI	1/4" BSP-F	212° F	0.9 lbs.	5
YR36K40	4.0	1,150 PSI	3,650 PSI	1/4" BSP-F	212° F	0.9 lbs.	5
YR36K45	4.5	1,150 PSI	3,650 PSI	1/4" BSP-F	212° F	0.9 lbs.	5
YR36K50	5.0	1,150 PSI	3,650 PSI	1/4" BSP-F	212° F	0.9 lbs.	5
YR36K55	5.5	1,150 PSI	3,650 PSI	1/4" BSP-F	212° F	0.9 lbs.	5
YR36K60	6.0	1,150 PSI	3,650 PSI	1/4" BSP-F	212° F	0.9 lbs.	5
YR36K65	6.5	1,150 PSI	3,650 PSI	1/4" BSP-F	212° F	0.9 lbs.	5
YR36K70	7.0	1,150 PSI	3,650 PSI	1/4" BSP-F	212° F	0.9 lbs.	5
YR36K80	8.0	1,150 PSI	3,650 PSI	1/4" BSP-F	212° F	0.9 lbs.	5
YR51K30	3.0	2,600 PSI	5,100 PSI	1/4" BSP-F	212° F	0.9 lbs.	5
YR51K35	3.5	2,600 PSI	5,100 PSI	1/4" BSP-F	212° F	0.9 lbs.	5
YR51K40	4.0	2,600 PSI	5,100 PSI	1/4" BSP-F	212° F	0.9 lbs.	5
YR51K45	4.5	2,600 PSI	5,100 PSI	1/4" BSP-F	212° F	0.9 lbs.	5
YR51K50	5.0	2,600 PSI	5,100 PSI	1/4" BSP-F	212° F	0.9 lbs.	5
YR51K55	5.5	2,600 PSI	5,100 PSI	1/4" BSP-F	212° F	0.9 lbs.	5
YR51K60	6.0	2,600 PSI	5,100 PSI	1/4" BSP-F	212° F	0.9 lbs.	5
YR51K65	6.5	2,600 PSI	5,100 PSI	1/4" BSP-F	212° F	0.9 lbs.	5
YR51K70	7.0	2,600 PSI	5,100 PSI	1/4" BSP-F	212° F	0.9 lbs.	5
YR51K80	8.0	2,600 PSI	5,100 PSI	1/4" BSP-F	212° F	0.9 lbs.	5

NOZZLES

Adjustable Rotating Nozzles



ZROTOMAX1



ZRMAX581

Product Group: A

ADJUSTABLE ROTATING NOZZLES									
MODEL	COLOR	ORIFICE	GPM	RATED	MAX	INLET	MAX TEMP	SHP WGHT	BOX QTY
ZROTOMAX1	Red		2.1 to 2.6 GPM	1,450 PSI	3,500 PSI	1/4" BSP-F	176° F	1.1 lbs.	15
ZROTOMAX2	Light Blue		2.9 to 4.0 GPM	1,450 PSI	3,500 PSI	1/4" BSP-F	176° F	1.1 lbs.	15
ZROTOMAX3	Black		4.2 to 5.5 GPM	1,450 PSI	3,500 PSI	1/4" BSP-F	176° F	1.1 lbs.	15
ZRMAX581	Red	140	2.3 to 6.6 GPM	5,800 PSI	5,800 PSI	1/4" BSP-F	176° F	0.7 lbs.	N/A
ZRMAX583	Black	160	3.3 to 6.6 GPM	5,800 PSI	5,800 PSI	1/4" BSP-F	176° F	0.7 lbs.	N/A

GP Viper Rotating Nozzles

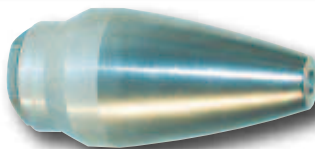


100467

Product Group: A

GP VIPER ROTATING NOZZLES						
MODEL	SIZE	MAX	MAX TEMP	SHP WGHT	BOX QTY	
100467	#5.5	5,000 PSI	190° F	1.1 lbs.	10	
100487	#4.5	5,000 PSI	190° F	1.1 lbs.	10	

Rotating Nozzles Stainless Steel With Tungsten Carbide



Y7K045

Product Group: K

ROTATING NOZZLES - STAINLESS STEEL WITH TUNGSTEN CARBIDE						
MODEL	SIZE	MAX	INLET	MAX TEMP	SHP WGHT	BOX QTY
Y7K040	#4.0	7,000 PSI	1/4" BSP-F	194° F	1.5 lbs.	5
Y7K045	#4.5	7,000 PSI	1/4" BSP-F	194° F	1.5 lbs.	5
Y7K050	#5.0	7,000 PSI	1/4" BSP-F	194° F	1.5 lbs.	5
Y7K055	#5.5	7,000 PSI	1/4" BSP-F	194° F	1.5 lbs.	5
Y7K060	#6.0	7,000 PSI	1/4" BSP-F	194° F	1.5 lbs.	5
Y7K065	#6.5	7,000 PSI	1/4" BSP-F	194° F	1.5 lbs.	5
Y7K070	#7.0	7,000 PSI	1/4" BSP-F	194° F	1.5 lbs.	5

Rotating Nozzles



YRT87K20

Product Group: K

ROTATING NOZZLES						
MODEL	NOZZLE	MIN	MAX	INLET	MAX TEMP	SHP WGHT
YRT87K20	#2.0	2,600 PSI	8,700 PSI	1/4" BSP-F	195° F	1.2 lbs.
YRT87K30	#3.0	2,600 PSI	8,700 PSI	1/4" BSP-F	195° F	1.2 lbs.
YRT87K40	#4.0	2,600 PSI	8,700 PSI	1/4" BSP-F	195° F	1.2 lbs.
YRT87K50	#5.0	2,600 PSI	8,700 PSI	1/4" BSP-F	195° F	1.2 lbs.
YRT87K60	#6.0	2,600 PSI	8,700 PSI	1/4" BSP-F	195° F	1.2 lbs.
YRT87K70	#7.0	2,600 PSI	8,700 PSI	1/4" BSP-F	195° F	1.2 lbs.
YRT87K80	#8.0	2,600 PSI	8,700 PSI	1/4" BSP-F	195° F	1.2 lbs.



YDRNT

Drain Cleaning Nozzles**Product Group: A****DRAIN CLEANING NOZZLES**

MODEL	DESCRIPTION	GPM	MAX	INLET	SHW WT
YDRNT1	Microdrain, Brass, #3.5	2.3 GPM	1,750 PSI	1/4" BSP-M	0.2 lbs.
YDRNT2	Microdrain, Stainless Steel, #4.0	3.8 GPM	3,650 PSI	1/4" BSP-M	0.2 lbs.
YDRNT3	Microdrain, Stainless Steel, #6.0	5.7 GPM	3,650 PSI	3/8" BSP-M	0.2 lbs.
ZUDRNT	Drainet, Adjustable Equivalent Orifice Diameter	16.0 GPM	3,000 PSI	3/8" BSP-M	0.2 lbs.
ZUMDRNT1	Microdrain, #5.5, Equivalent Orifice Diameter	5.1 GPM	3,500 PSI	1/8" BSP-F	0.2 lbs.
ZUMDRNT2	Microdrain, #8.5, Equivalent Orifice Diameter	7.4 GPM	3,000 PSI	1/8" BSP-F	0.2 lbs.
2900003	Sewer Jet Nozzle, #3, 1 Front, 6 Rear	3.35 GPM	5,000 PSI	1/4" NPT-F	0.2 lbs.
2900004	Sewer Jet Nozzle, #3, 3 Rear	3.35 GPM	5,000 PSI	1/4" NPT-F	0.2 lbs.
2900005	Sewer Jet Nozzle, #3, 1 Front, 3 Rear	3.35 GPM	5,000 PSI	1/4" NPT-F	0.2 lbs.

NEW!

YADJNOZ

Adjustable Nozzle Holder**Product Group: H****ADJUSTABLE NOZZLE HOLDER**

MODEL	GPM	MAX	INLET	OUTLET	SHW WT
YADJNOZ	8.0 GPM	3,650 PSI	1/4" BSP-F	1/4" BSP-F	0.5 lbs.



YDBL

Double Nozzle Holders**Product Group: H****DOUBLE NOZZLE HOLDERS**

MODEL	GPM	MAX	INLET	OUTLET	SHW WT
DDBL14	10.5 GPM	2,900 PSI	1/4" BSP-F	(2) 1/4" NPT-F	0.5 lbs.
YDBL14	10.5 GPM	2,900 PSI	1/4" BSP-F	(2) 1/4" NPT-F	0.5 lbs.
YDBL18	10.5 GPM	2,900 PSI	1/4" BSP-F	(2) 1/8" NPT-F	0.5 lbs.
ZUDBL	5.5 GPM	3,000 PSI	1/4" BSP-F	(2) 1/4" BSP-F	0.5 lbs.



YSTN14F

Steam Nozzle**Product Group: A****STEAM NOZZLE**

MODEL	DESCRIPTION	MAX	INLET	SHW WT
YSTN14F	1.5 mm, .06 Nozzle	1,450 PSI	1/4" BSP-F	0.3 lbs.

Quick Disconnect Couplers EPDM O-Ring



Product Group: H

D10001

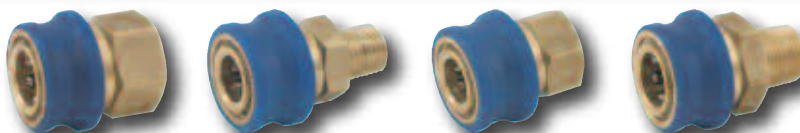
D10002

D10088

QUICK DISCONNECT COUPLERS - EPDM O-RING

PART NUMBER	DESCRIPTION	MAX	MAX TEMP	BOX QTY
D10001	1/4" with 1/4" NPT-F	5,000 PSI	175° F	200
D10003	3/8" with 3/8" NPT-F	4,000 PSI	175° F	200
D10002	1/4" with 1/4" NPT-M	5,000 PSI	175° F	200
D10004	3/8" with 3/8" NPT-M	4,000 PSI	175° F	200
D10005	3/8" with 1/2" NPT-M	4,000 PSI	175° F	200
D10035	3/8" with M22 Plug	4,000 PSI	175° F	200
D10088	3/8" with M22-F	4,000 PSI	175° F	200
D10097	1/4" with 1/4" NPT-F (one touch)	4,000 PSI	175° F	100
D10098	3/8" with 3/8" NPT-F (one touch)	4,000 PSI	175° F	200
100880	O-ring Kit, 1/4", Contains 100 Pieces	5,000 PSI	175° F	200
100881	O-ring Kit, 3/8", Contains 100 Pieces	4,000 PSI	175° F	50

Quick Disconnect Couplers Easy-Grip



Product Group: H

D10061

D10062

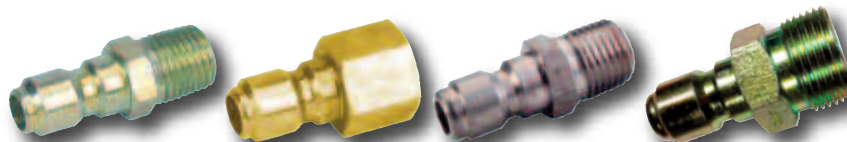
D10063

D10064

QUICK DISCONNECT COUPLERS - EASY GRIP

PART NUMBER	DESCRIPTION	MAX	MAX TEMP	BOX QTY
D10061	1/4" with 1/4" NPT-F, with Easy-Grip Feature	5,000 PSI	175° F	200
D10062	1/4" with 1/4" NPT-M, with Easy-Grip Feature	5,000 PSI	175° F	200
D10063	3/8" with 3/8" NPT-F, with Easy-Grip Feature	4,000 PSI	175° F	200
D10064	3/8" with 3/8" NPT-M, with Easy-Grip Feature	4,000 PSI	175° F	200

Quick Disconnect Plugs



Product Group: H

D10007

D10008

520134

D10089

QUICK DISCONNECT PLUGS

PART NUMBER	DESCRIPTION	MAX	BOX QTY
D10006	1/4" Plug with 1/4" NPT-F, Hardened Steel, Brass Plated	5,000 PSI	200
D10007	1/4" Plug with 1/4" NPT-M, Hardened Steel, Brass Plated	5,000 PSI	200
D10008	3/8" Plug with 3/8" NPT-F, Hardened Steel, Brass Plated	4,000 PSI	200
D10009	3/8" Plug with 3/8" NPT-M, Hardened Steel, Brass Plated	4,000 PSI	200
D10089	3/8" Plug with M22-M	4,000 PSI	200
520133	1/4" Plug with 1/4" NPT-F, Hardened Steel, Brass Plated	5,500 PSI	200
520134	1/4" Plug with 1/4" NPT-M, Hardened Steel, Brass Plated	5,500 PSI	200
520135	3/8" Plug with 3/8" NPT-F, Hardened Steel, Brass Plated	5,000 PSI	200
520136	3/8" Plug with 3/8" NPT-M, Hardened Steel, Brass Plated	5,000 PSI	150

Quick Disconnect Couplers Stainless Steel



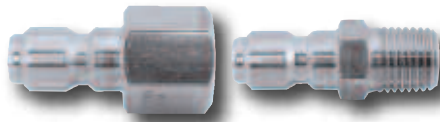
Product Group: H

D10072

D10073

QUICK DISCONNECT COUPLERS - STAINLESS STEEL

PART NUMBER	DESCRIPTION	MAX	MAX TEMP	BOX QTY
D10072	1/4" with 1/4" NPT-F, Stainless Steel	6,000 PSI	175° F	200
D10073	1/4" with 1/4" NPT-M, Stainless Steel	6,000 PSI	175° F	200
D10074	3/8" with 3/8" NPT-F, Stainless Steel	5,000 PSI	175° F	200
D10075	3/8" with 3/8" NPT-M, Stainless Steel	5,000 PSI	175° F	200
D10090	1/2" with 1/2" NPT-M, Stainless Steel	5,000 PSI	175° F	200
D10091	1/2" with 1/2" NPT-M, Stainless Steel	5,000 PSI	175° F	200



Quick Disconnect Plugs Stainless Steel

Product Group: H

D10076

D10077

QUICK DISCONNECT PLUGS - STAINLESS STEEL

PART NUMBER	DESCRIPTION	MAX	BOX QTY
D10076	1/4" Plug with 1/4" NPT-F, Stainless Steel	6,000 PSI	200
D10077	1/4" Plug with 1/4" NPT-M, Stainless Steel	6,000 PSI	200
D10078	3/8" Plug with 3/8" NPT-F, Stainless Steel	6,000 PSI	200
D10079	3/8" Plug with 3/8" NPT-M, Stainless Steel	6,000 PSI	200
D10092	1/2" Plug with 1/2" NPT-F, Stainless Steel	6,000 PSI	200
D10093	1/2" Plug with 1/2" NPT-M, Stainless Steel	6,000 PSI	200



D10010



100275



D10084

Garden Hose Fittings

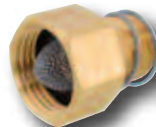
Product Group: H

GARDEN HOSE FITTINGS

PART NUMBER	DESCRIPTION	PORT	INLET	OUTLET	BOX QTY
D10010	Garden Hose Assembly	N/A	3/4" M Garden Hose	1/2" QD-M	200
D10011	Plug	N/A	3/4" M Garden Hose	1/2" QD-M	200
D10012	Coupler	N/A	3/4" F Garden Hose	1/2" QD	200
100275	Garden Hose Adapter Kit	N/A	3/4" Garden Hose	1/2" NPT-M	
100276	Garden Hose Adapter Kit	N/A	3/4" Garden Hose	1/2" NPT-M	
100277	Garden Hose Adapter Kit	N/A	3/4" Garden Hose	3/8" NPT-M	
D10084	Garden Hose Inlet, Long	1/4" NPT-F	3/4" Garden Hose	3/8" BSP-M	50
D10085	Garden Hose Inlet, Long	1/4" NPT-F	3/4" Garden Hose	1/2" NPT-M	50



D10017



D10032



700004

Garden Hose Fittings With Screens

Product Group: H

GARDEN HOSE FITTINGS - WITH SCREENS

PART NUMBER	DESCRIPTION	PORT	INLET	OUTLET	BOX QTY
D10016	Garden Hose Fitting with Screen	N/A	3/4" Garden Hose	1/2" NPT-F	200
D10017	Garden Hose Fitting with Screen	N/A	3/4" Garden Hose	3/8" MPT-F	200
D10032	Garden Hose Fitting with Screen	N/A	3/4" Garden Hose	1/2" NPT-M	100
D10033	Garden Hose Fitting with Screen	N/A	3/4" Garden Hose	3/8" NPT-F	
680006	Garden Hose Inlet for TP Series Pumps, with O-ring	N/A	3/4" Garden Hose	1/2" BSP-M	
680007	Garden Hose Assembly	1/4" NPT-F	3/4" Garden Hose	3/8" BSP-M	
680073	Garden Hose Inlet for TP/TT Series (short)	N/A	3/4" Garden Hose	1/2" BSP-M	
700034	Garden Hose Filter Washer, Stainless Steel, 30 Mesh	N/A	N/A	N/A	
700004	Garden Hose Filter Washer, Stainless Steel, 50 Mesh	N/A	N/A	N/A	10,000
720039	Garden Hose Retention Spring, Stainless Steel	N/A	N/A	N/A	



D10117



D10118



D10119

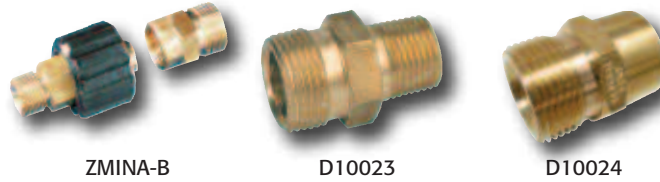
Manifold Blocks

Product Group: H

MANIFOLD BLOCKS

PART NUMBER	DESCRIPTION
D10117	3 Way, 1/2" NPT-F x 1/2" NPT-F x 3/8" NPT-F, 4,000 PSI
D10118	2 Way, 3/8" NPT-F x 3/8" NPT-F, Bolt-down, 5,500 PSI
D10119	3 Way, 3/8" NPT-F, Bolt-down, 4,000 PSI

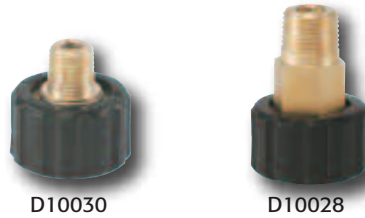
Quick Disconnect Fittings Twist Connect



Product Group: H

QUICK DISCONNECT FITTINGS - TWIST CONNECT					
PART NUMBER	DESCRIPTION	RATED	MAX	SHP WGHT	BOX QTY
ZMINA14F	1/4" F Plug	3,000 PSI	3,000 PSI	0.2 lbs.	30
ZMINA14M	1/4" M Plug	3,000 PSI	3,000 PSI	0.2 lbs.	30
ZMINA38F	3/8" F Plug	3,000 PSI	3,000 PSI	0.2 lbs.	30
ZMINB12M	1/2" M Coupler	3,000 PSI	3,000 PSI	0.2 lbs.	30
ZMINB14F	1/4" F Coupler	3,000 PSI	3,000 PSI	0.2 lbs.	30
ZMINB14M	1/4" M Coupler	3,000 PSI	3,000 PSI	0.2 lbs.	30
ZMINB38F	3/8" F Coupler	3,000 PSI	3,000 PSI	0.2 lbs.	30
ZMINB38M	3/8" M Coupler	3,000 PSI	3,000 PSI	0.2 lbs.	30
2510103	1/4" F Plug x M22	4,000 PSI	4,000 PSI	0.2 lbs.	100
D10021	1/4" M Plug x M22	4,000 PSI	4,000 PSI	0.2 lbs.	200
D10023	3/8" M Plug x M22	4,000 PSI	4,000 PSI	0.2 lbs.	200
D10024	3/8" F Plug x M22	4,000 PSI	4,000 PSI	0.2 lbs.	200

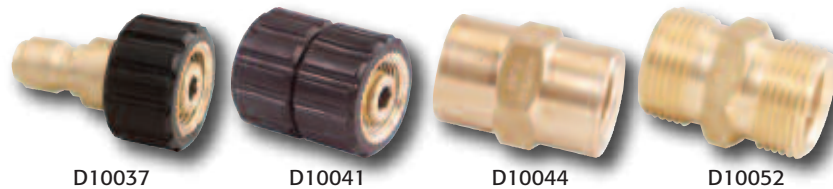
Quick Disconnect Fittings Twist Connect - EPDM O-Ring



Product Group: H

QUICK DISCONNECT FITTINGS - TWIST CONNECT - EPDM O-RING					
PART NUMBER	DESCRIPTION	RATED	MAX	SHP WGHT	BOX QTY
D10027	1/4" F Coupler, 1 O-ring, M22	4,000 PSI	4,000 PSI	0.2 lbs.	200
D10028	1/4" M Coupler, 1 O-ring, M22	4,000 PSI	4,000 PSI	0.2 lbs.	200
D10029	3/8" F Coupler, 1 O-ring, M22	4,000 PSI	4,000 PSI	0.2 lbs.	200
D10030	3/8" M Coupler, 1 O-ring, M22	4,000 PSI	4,000 PSI	0.2 lbs.	200
100882	O-ring Kit, 14 mm, Contains 100 Pieces				
100909	O-ring Kit, 15 mm, Contains 100 Pieces				

Quick Disconnect Fittings Twist Connect



Product Group: H

QUICK DISCONNECT FITTINGS - TWIST CONNECT					
PART NUMBER	DESCRIPTION	RATED	MAX	SHP WGHT	BOX QTY
D10040	M22 QD Plug x M22 QD Plug	4,000 PSI	4,000 PSI	0.1 lbs.	200
D10041	M22 Coupler x M22 Coupler	4,000 PSI	4,000 PSI	0.3 lbs.	200
D10043	Brass Pipe Thread Reducer, 3/8" NPT-M x 1/4 NPT-F	4,000 PSI	4,000 PSI	0.2 lbs.	200
D10044	Brass Pipe Coupling, 1/4" NPT-F	4,000 PSI	4,000 PSI	0.1 lbs.	200
D10037	M22 Coupler x 3/8" QD Plug	4,000 PSI	4,000 PSI	0.2 lbs.	200
D10052	Union, 3/8" NPT-M x 3/8" NPT-M, Steel	4,000 PSI	4,000 PSI	0.2 lbs.	200



100560

100622

100647

Inline High-Pressure Filters**Product Group: G**

INLINE HIGH-PRESSURE FILTERS							
PART NUMBER	DESCRIPTION	GPM	MAX	MAX TEMP	INLET	OUTLET	SHP WGHT
100560	100 Mesh Screen, 303 SS w/Brass Outlet	8.0 GPM	5,500 PSI	200° F	1/4" QD	1/4" NPT-M	0.5 lbs.
100622	200 Mesh Screen, Brass	8.0 GPM	5,000 PSI	200° F	1/4" NPT-M	1/4" NPT-M	0.5 lbs.
100647	100 Mesh Screen, Brass	8.0 GPM	5,000 PSI	200° F	1/4" NPT-F	1/4" NPT-M	0.5 lbs.



YF00



YF00C



D40003



D40013



ZF1



ZF2

Chemical Filters**Product Group: G**

CHEMICAL FILTERS			
PART NUMBER	DESCRIPTION	SHP WGHT	BOX QTY
ZOFILKIT	Chemical Hose and Filter	0.5 lbs.	N/A
YF00	Plastic Chemical Filter, 1/4" Hose Barb	0.3 lbs.	N/A
YF00C	Plastic Chemical Filter with Check Valve, 1/4" Hose Barb	0.3 lbs.	N/A
YF30	Plastic Chemical Filter with Stainless Steel Plug, 1/4" Hose Barb	0.3 lbs.	N/A
YF30	Plastic Chemical Filter with Stainless Steel Plug, Check Valve, 1/4" Hose Barb	0.3 lbs.	N/A
D40001	Plastic Chemical Filter with Stainless Steel Plug, Check Valve, 1/4" Hose Barb, and 4' Hose	0.5 lbs.	N/A
D40003	Plastic Chemical Filter with Check Valve, Gray	0.3 lbs.	N/A
D40006	Plastic Two-Step Chemical Filter, No check Valve, Black	0.3 lbs.	N/A
D40013	Chemical Filter, Brass/Stainless Steel	0.5 lbs.	N/A
ZF1	Plastic Filter with Brass, 1/4" Hose Barb	0.2 lbs.	30
ZF2	Plastic Filter with 1/4" Hose Barb and Check Valve	0.3 lbs.	30

Inlet Filters



100649

100652

ZMFIL

Product Group: G

INLET FILTERS							
PART NUMBER	DESCRIPTION	GPM	MAX	INLET	OUTLET	BYPASS	SHW WGHT
100649	Integrated Garden Hose Nut	8.0 GPM	150 PSI	3/4" GH	1/2" NPT-M	N/A	0.5 lbs.
100650	Integrated Garden Hose Nut	8.0 GPM	150 PSI	3/4" GH	3/8" NPT-M	N/A	0.5 lbs.
100651	Integrated Garden Hose Nut	8.0 GPM	150 PSI	3/4" GH	1/2" NPT-M	1/4"	0.5 lbs.
100652	Integrated Garden Hose Nut	8.0 GPM	150 PSI	3/4" GH	3/8" NPT-M	1/4"	0.5 lbs.
ZMFIL	Aluminum Body, 50 Mesh	5.8 GPM	145 PSI	1/2" BSP-F	1/2" BSP-M	(2)1/4" BSP-F	0.5 lbs.

Inlet Strainers



YFY1

YF5MF

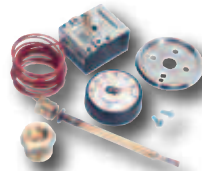
YYSTR12

Product Group: G

INLET STRAINERS							
PART NUMBER	DESCRIPTION	GPM	MAX	INLET	OUTLET	BYPASS	SHW WGHT
YF5BMF	Plastic Body, 50 Mesh	8.0 GPM	145 PSI	1/2" BSP-M	1/2" BSP-F	1/4"	0.5 lbs.
YF5MF	Plastic Body, 50 Mesh	8.0 GPM	145 PSI	1/2" BSP-M	1/2" BSP-F	N/A	0.5 lbs.
YFY1	Plastic Body, 50 Mesh	21.0 GPM	145 PSI	1" BSP-F	1" BSP-F	N/A	0.5 lbs.
YFY34	Plastic Body, 50 Mesh	21.0 GPM	145 PSI	3/4" BSP-F	3/4" BSP-F	N/A	0.5 lbs.
YYSTR12	Brass Body, 45 Mesh	15.0 GPM	175 PSI	1/2" NPT-F	1/2" NPT	N/A	0.5 lbs.



100272



100438



Y29026035

Thermostats

Product Group: R

THERMOSTATS							
PART NUMBER	DESCRIPTION	GPM	MAX	MAX TEMP	INLET	OUTLET	SHP WGHT
100272	Flow Through Style	1 to 35 GPM	5,000 PSI	Amb.-200°	1/2" NPT	1/2" NPT	1.0 lbs.
Probe Style Thermostats, Insulated SS Capillary Copper Immersion Bulb (UL/CSA Approved):							
100438	16(4)A-380V Electric Rating	-	4,000 PSI	86-194° F	-	-	0.5 lbs.
100439	16(4)A-380V Electric Rating	-	4,000 PSI	86-320° F	-	-	0.5 lbs.
100538	16(4)A-380V Electric Rating	-	4,000 PSI	86-250° F	-	-	0.5 lbs.
Thermostats Bulk Packaged (25 per box). Product Group B:							
100438B	16(4)A-380V Electric Rating	-	4,000 PSI	86-194° F	-	-	0.5 lbs.
100439B	16(4)A-380V Electric Rating	-	4,000 PSI	86-320° F	-	-	0.5 lbs.
100538B	16(4)A-380V Electric Rating	-	4,000 PSI	86-250° F	-	--	0.5 lbs.
Y29026035	Probe Pocket	-	4,000 PSI	N/A	-	-	0.4 lbs.



YPRESSWITCH



YPRESSWITCH535



YPRESSWITCHHP



ZMSIMPLEX3

Pressure Switches

Product Group: D

PRESSURE SWITCHES						
PART NUMBER	ACTIVATED PRESSURE	RATED PRESSURE	MAX TEMP	INLET	SHP WGHT	
15 Amps, 250 Volts, 580 Switching Pressure, Brass Stem, Stainless Steel Nipple:						
YPRESSWITCH	580 PSI	3,600 PSI	195° F	1/4" NPT-M	0.5 lbs.	
YPRSWITCHXL (67" lead)	580 PSI	3,600 PSI	195° F	1/4" NPT-M	0.5 lbs.	
15 Amps, 250 Volts, 360 Switching Pressure, Brass Stem, Stainless Steel Nipple:						
YPRESSWITCH1535	360 PSI	3,600 PSI	195° F	3/8" BSP-M	0.5 lbs.	
15 Amps, 250 Volts, 580 Switching Pressure, Brass Stem, Stainless Steel Nipple:						
YPRESSWITCH1564	580 PSI	3,600 PSI	195° F	3/8" BSP-M	0.5 lbs.	
5 Amps, 250 Volts, 360 Switching Pressure, Brass Stem and Nipple:						
YPRESSWITCH535	360 PSI	3,600 PSI	195° F	1/4" BSP-M	0.5 lbs.	
5 Amps, 250 Volts, 580 Switching Pressure, Brass Stem and Nipple:						
YPRESSWITCH564	580 PSI	3,600 PSI	195° F	1/4" BSP-M	0.5 lbs.	
15 Amps, 250 Volts, 360 Switching Pressure, Stainless Steel Stem and Nipple:						
YPRESSWITCHHPL	360 PSI	8,700 PSI	195° F	3/8" BSP-M	0.5 lbs.	
15 Amps, 250 Volts, 650 Switching Pressure, Stainless Steel Stem and Nipple:						
YPRESSWITCHHP	650 PSI	8,700 PSI	195° F	3/8" BSP-M	0.5 lbs.	
15 Amps, 250 Volts, 215 Switching Pressure, Stainless Steel Stem and Nipple:						
YPRESSWITCH1521	215 PSI	3,600 PSI	195° F	1/4" NPT-M	0.5 lbs.	
15 Amps, 250 Volts, 215 Switching Pressure, Stainless Steel Stem and Nipple:						
YPRESSWITCH521	215 PSI	3,600 PSI	195° F	1/4" NPT-M	0.5 lbs.	
15 Amps, 250 Volts, 215 Switching Pressure, Stainless Steel Stem and Nipple:						
ZMSIMPLEX3	725 PSI	3,000 PSI	195° F	1/4" BSP-M	0.5 lbs.	

Flow Switches Reedless

Product Group: D



100975



100879

TMT INLINE FLOW SWITCHES, 5 AMP MICROSWITCH, MINIMUM ACTIVATION FLOW,
 48" 18 AWG LEAD, NO SPRING, USES MAGNETS FOR ALL MOVEMENTS

PART NUMBER	GPM	MAX	MAX TEMP	INLET	OUTLET	VOLTAGE	MATERIAL	SHP WGHT
100975	12.0 GPM	5,000 PSI	180° F	3/8" NPT-F	3/8" NPT-F	250 VAC	Brass	1.25 lbs.
100931	12.0 GPM	5,800 PSI	180° F	3/8" NPT-F	3/8" NPT-F	250 VAC	SS	1.5 lbs.
With Pilot Feature (0.5 GPM Activation):								
100879	10.0 GPM	4,000 PSI	180° F	3/8" NPT-F	3/8" NPT-F	250 VAC	Brass	1.5 lbs.
Without Pilot Feature (0.5 GPM Activation):								
100904	10.0 GPM	4,000 PSI	180° F	3/8" NPT-F	3/8" NPT-F	250 VAC	Brass	1.5 lbs.

Flow Switches

Product Group: D



YFLOSWITCH



YFL7SWITCH

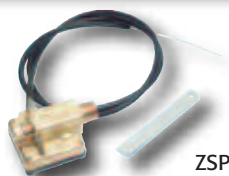


100329

FLOW SWITCHES

PART NUMBER	GPM	RATED PRESSURE	MAX PRESSURE	MAX TEMP	INLET	OUTLET	SHP WGHT
3 Amp, 250 Volts, 36" Cord (Mounted in Vertical Position Only):							
YFLOSWITCH	8.0 GPM	3,650 PSI	4,050 PSI	175° F	3/8" BSP-M	3/8" BSP-M	0.6 lbs.
3 Amp, 250 Volts, 48" Cord, Gauge Port:							
YFL3SWITCH	8.0 GPM	3,650 PSI	4,050 PSI	175° F	3/8" BSP-M	1/4" BSP-M	0.4 lbs.
1 Amp, 250 Volts, 48" Cord, Flow Through Design:							
YFL7SWITCH	8.0 GPM	5,100 PSI	5,100 PSI	175° F	3/8" BSP-F	3/8" BSP-F	0.5 lbs.
3 Amp, 120 Volts AC, 96" Cord, No Pilot (5 Amp Max Carrying):							
103011	.75 to 18.7 GPM	5,000 PSI	5,000 PSI	165° F	3/8" NPT-F	3/8" NPT-F	2.5 lbs.
3 Amp, 120 Volts AC, 96" Cord with Pilot Feature (5 Amp Max Carrying):							
100329	.75 to 16.0 GPM	5,000 PSI	5,000 PSI	165° F	3/8" NPT-F	3/8" NPT-F	2.5 lbs.

Throttle Control



ZSPEED

THROTTLE CONTROL FOR GASOLINE ENGINES

PART NUMBER	RATED PRESSURE	MAX PRESSURE	INLET	SHP WGHT
ZSPEED	725 PSI	3,000 PSI	3/8" NPT-M	1.1 lbs.

Gauges

Product Group: D



320001



320002

PART NUMBER	PRESSURE	GAUGES PORT	PORT LOCATION	SHP WGHT
320005	2,000 PSI	1/4" NPT	Bottom Mount	0.7 lbs.
320000	3,000 PSI	1/4" NPT	Panel Mount	0.7 lbs.
320002	3,000 PSI	1/4" NPT	Bottom Mount	0.7 lbs.
320001	5,000 PSI	1/4" NPT	Panel Mount	0.7 lbs.
320003	5,000 PSI	1/4" NPT	Bottom Mount	0.7 lbs.
320004	20,000 PSI	1/2" NPT	Bottom Mount	1.0 lbs.

MISCELLANEOUS ACCESSORIES



190031

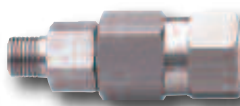
Valve Caps with Gauge Ports

Product Group: D

VALVE CAPS WITH GAUGE PORTS		
PART NUMBER	DESCRIPTION	SHP WGHT
190029	Valve Cap with Gauge Port for 47 Series Pumps	0.5 lbs.
190031	Valve Cap with Gauge Port for TT Series Pumps	0.5 lbs.
190107	Valve Cap with Gauge Port for EZ Series Pumps	0.5 lbs.
190358	Valve Cap with Gauge Port for 47 Series Pumps, Fine Thread	0.5 lbs.



YSW38MFSB



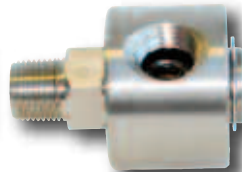
YSW38MFSS



D10066



D10071



D10114

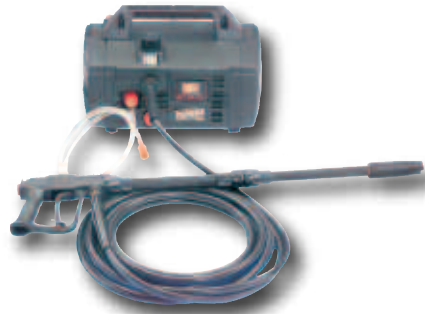
Swivels High Pressure

Product Group: D

HIGH PRESSURE SWIVELS								
PART NUMBER	DESCRIPTION	GPM	RATED	MAX	INLET	OUTLET	MAX TEMP	SHP WGHT
YSW38MFB	Medium Resistance, Brass	10.5 GPM	3,650 PSI	4,050 PSI	3/8" BSP-M	3/8" BSP-F	320° F	0.3 lbs.
YSW14MFB	Medium Resistance, Brass	10.5 GPM	3,650 PSI	4,050 PSI	1/4" BSP-M	1/4" BSP-F	320° F	0.3 lbs.
YSW38MFSS	Medium Resistance, SS	10.5 GPM	5,100 PSI	5,650 PSI	3/8" BSP-M	3/8" BSP-F	320° F	0.3 lbs.
YSW14MFSS	Medium Resistance, SS	10.5 GPM	5,100 PSI	5,650 PSI	1/4" BSP-M	1/4" BSP-F	320° F	0.3 lbs.
D10066	Brass	10.0 GPM	4,000 PSI	4,000 PSI	3/8" NPT-M	3/8" NPT-F	200° F	0.3 lbs.
D10099	Brass	10.0 GPM	4,000 PSI	4,000 PSI	3/8" NPT-F	3/8" NPT-F	200° F	0.3 lbs.
D10067	Stainless Steel	10.0 GPM	5,000 PSI	5,000 PSI	3/8" NPT-M	3/8" NPT-F	200° F	0.3 lbs.
D10070	Stainless Steel, QD	10.0 GPM	5,000 PSI	5,000 PSI	3/8" QD	3/8" QD Plug	200° F	0.3 lbs.
D10071	Brass, Steel. QD	10.0 GPM	4,000 PSI	4,000 PSI	3/8" QD	3/8" QD Plug	200° F	0.3 lbs.
D10114	Stainless Steel, 90°	10.0 GPM	3,000 PSI	3,000 PSI	3/8" NPT-M	3/8" NPT-F	200° F	0.3 lbs.

MISCELLANEOUS ACCESSORIES

Complete Electric Pressure Washers



Product Group: E

PU1021

COMPLETE ELECTRIC PRESSURE WASHERS

PART NUMBER	DESCRIPTION	SHP WGHT
PU1021	BOXJET - Turbo 21 Aluminum Manifold, Complete Plastic Enclosure, 1,000 PSI	52.0 lbs.
PU1021B	BOXJET - Turbo 21 Brass Manifold, Complete Plastic Enclosure, 1,000 PSI	52.0 lbs.
PU1021QB	QUIKY - Turbo 21 Brass Manifold, Partial Plastic Enclosure, 1,000 PSI	52.0 lbs.

Accumulators/ Pulsation Dampeners



ZMACC



686028



686010

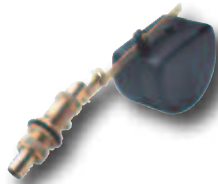
Product Group: K

ACCUMULATORS / PULSATION DAMPENERS

PART NUMBER	DESCRIPTION	GPM	RATED	INLET	SHP WGHT
ZMACC	Rebuildable	10.0 GPM	1,350 PSI	3/4" NPT-M	0.5 lbs.
686028	Rechargeable	10.0 GPM	3,000 PSI	1/2" NPT-M	2.5 lbs.
686011	Non-rechargeable	10.0 GPM	3,000 PSI	1/2" NPT-M	2.5 lbs.
686010*	Rechargeable	40.0 GPM	3,000 PSI	1" NPT-M	7.0 lbs.

* 190200 Recharge Kit for 686010

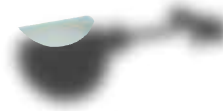
Float Tank and Valves



YFLOATVALVE



YRG60FV



YRG30FV



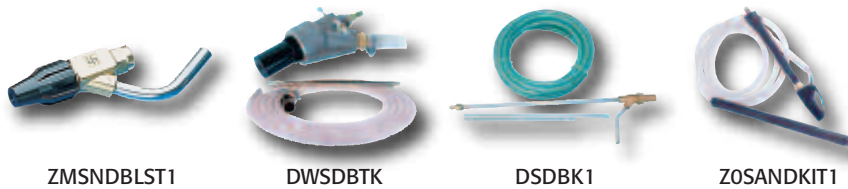
YFLOATANK

Product Group: N

FLOAT TANK AND VALVES

PART NUMBER	DESCRIPTION	GPM	RATED	INLET	SHP WGHT	BOX QTY
YFLOATVALVE	Brass, Gray Float	7.0 GPM	145 PSI	3/8" BSP-M	0.8 lbs.	25
YRG60FV	Brass, Float	7.0 GPM	145 PSI	1/2" BSP-M	0.8 lbs.	25
YRG30FV	Plastic, Float	7.4/10.5 GPM	145 PSI	1/2" BSP-M	0.5 lbs.	25
YFLOATANK	1.05 Gallon Plastic Tank with Cover and Brass Float Valve			3/8" BSP-M	0.5 lbs.	N/A

MISCELLANEOUS ACCESSORIES



Sandblasting Nozzles

Product Group: N

SANDBLASTING NOZZLES		
PART NUMBER	DESCRIPTION	SHP WGHT
ZMSNDBLST0	1.5 mm / .059 Nozzle	2.5 lbs.
ZMSNDBLST1	1.6 mm / .063 Nozzle	2.5 lbs.
ZMSNDBLST2	1.7 mm / .067 Nozzle	2.5 lbs.
ZMSNDBLST3	1.85 mm / .073 Nozzle	2.5 lbs.
ZMSNDBLST5	2.3 mm / .091 Nozzle	2.5 lbs.
ZMSNDPOKER	Sand Poker	0.5 lbs.
DWSDBTK	Complete Wet Industrial Sandblast Kit, 5,500 PSI (1/4" Nozzle Not Included)	10.0 lbs.
2100206	Mixing Head, Sandblast	
2100208	Mixing Head and Nozzle, Sandblast	
DSDBK1	Complete Sandblast Kit, Steel and Brass, 3,500 PSI	3.5 lbs.
ZOSANDKIT1	BOXJET Electric Pressure Washer Sandblasting Kit with Hose Poker	1.0 lbs.



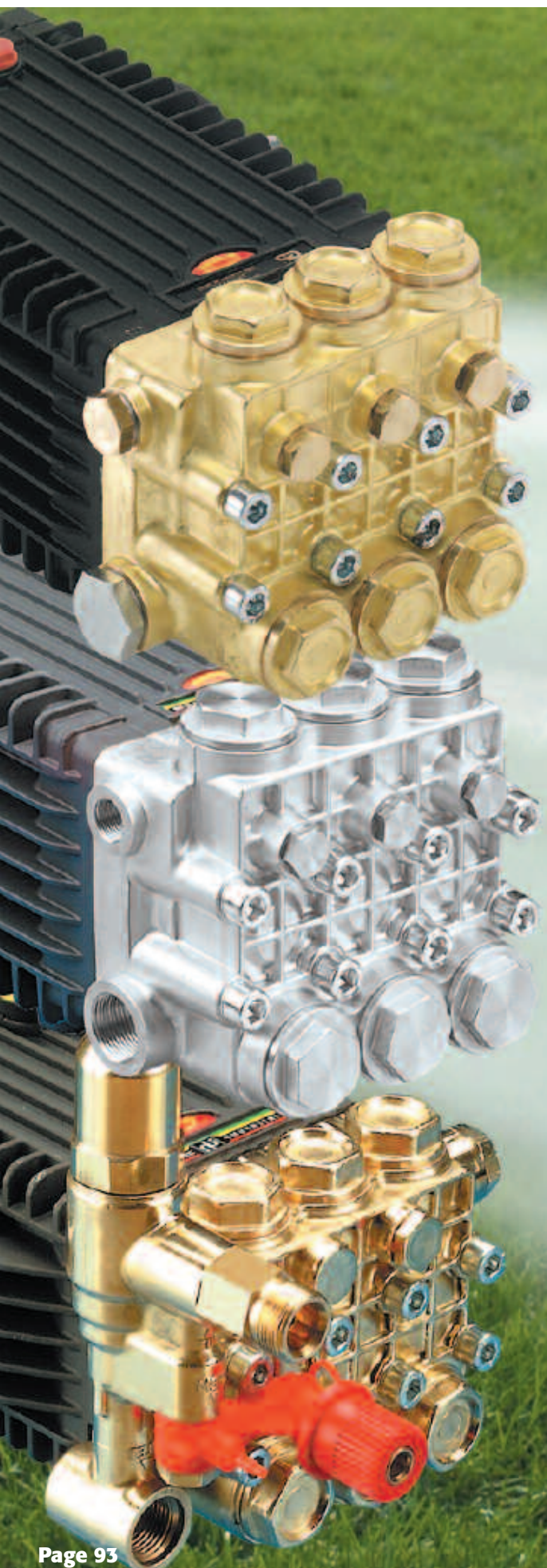
100783 Extraction Kit

Service Products

Product Group: N

SERVICE PRODUCTS	
PART NUMBER	DESCRIPTION
KIT1S	Pump Service Video
KIT2S	Packing Insertion Kit and Pump Service Video
KIT3S	Packing Extraction Kit and Pump Service Video
KIT4S	Complete Tool Kit and Pump Service Video
KINSTX63	Packing Insertion Kit, 63 Series
KINSTSF66	Packing Insertion Kit, 66 Series, High Flow (TSF)
KINSTSP66	Packing Insertion Kit, 66 Series, High Pressure (TSP)
TOOLKITPRI	Complete Packing Replacement and Insertion Kit
ZMVALAT	Complete Tool Kit
ZMVTOOL	Packing Insertion Tool
F26019400	Packing Extractor, Slide Hammer
27124900	Packing Extractor, 18 mm
26093400	Packing Extractor, Socket, 20 mm
26407400	Packing Extractor, 15 mm
26093500	Packing Extractor, Socket, 22 mm
26093600	Packing Insertion Socket, 24 mm
100783	Extraction Kit, 13 mm through 24 mm
Individual Items in 100783 Extraction Kit:	
2530016	Handle
2530017	Bolt
2530018	Pin
2530019	13 mm Sleeve
2530020	15 mm Sleeve
2530021	18 mm Sleeve
2530022	20 mm Sleeve
2530023	22 mm Sleeve
2530024	24 mm Sleeve

WARRANTY INFORMATION



PUMP WARRANTY

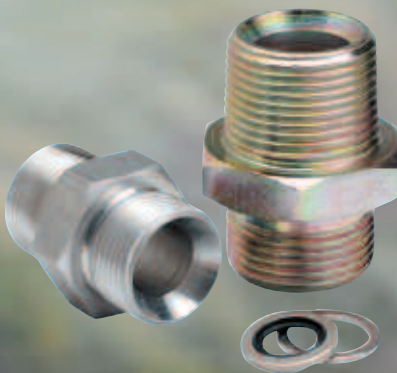
January 1, 2015

The following statement is intended to assist our customers in understanding the terms of our warranty, the circumstances under which we will honor claims, and the procedure for making such claims.

GP Companies, Inc. warrants each pump manufactured by General Pump to be free of defects in material or workmanship for a period of five (5) years from the date of shipment with the exception of TV/TH Series 57 Pumps, Consumer Pumps, the hydraulic pump line and the centrifugal pump line. In addition, GP Companies, Inc. warrants all forged brass pump manifolds to be free of defects in material and workmanship and from damage resulting from freezing for the life of the pump. Liability under this warranty is on all non-wear parts and limited to the repair or replacement of any pump returned to General Pump/US which upon inspection, is judged to be defective due to workmanship or material failure. Any product returned to General Pump should be shipped freight prepaid to GP Companies, Inc. – 1174 Northland Drive – Mendota Heights, MN 55120 and must display a Return Authorization Number obtained from General Pump's Inside Sales Department (651) 454-6500, Fax (800) 535-1745.

WARRANTY INFORMATION

In the course of marketing or servicing the customer or potential customer's needs, General Pump will use its best judgement in its recommendations. However, the ultimate responsibility for product application decisions shall rest with the customer. The sole and only warranty made by General Pump is the limited warranty described above. General Pump makes no other warranty of any kind, express or implied, including any implied warranty or merchantability or of fitness for a particular use or purpose. General Pump disclaims and denies any liability for any direct, indirect, special, incidental or consequential damages which may be suffered as a result of sale, delivery, servicing, use, loss of any product, downtime, labor, freight or other charges not expressly included herein. The only liability and the total liability of General Pump under this limited warranty or in any claim regarding or involving General Pump is expressly limited to the replacement or purchase price of the product.



The following items are not warranted, due to matters beyond GP Companies, Inc. control.

1. Normal wear and tear to parts that are considered standard wear parts.
2. Defects caused by the fault or negligence of the buyer or third party.
3. Use of unauthorized repair parts.
4. Modifications made by the customer.
5. Car wash series pumps are covered for damage caused by fresh water wash out for the life of the pump.

This warranty statement supercedes and replaces non-dated warranties or previously dated warranties.

POWER UNIT(S) WARRANTY

January 1, 2015
GP Companies, Inc. warrants each power unit in whole for 90 days from the date the unit is purchased. After 90 days, each pump manufactured by General Pump carries GP Companies, Inc. standard pump warranty. Each individual accessory on the power unit is covered by GP Companies, Inc. standard accessory warranty.

ACCESSORY WARRANTY

January 1, 2015
GP Companies, Inc. accessories are warranted by the manufacturer to the original purchaser to be free from defects in material and workmanship

under normal use and service. "Normal use and service" means not in excess of the recommended pressures and temperatures or handling fluids not compatible with component materials. This warranty shall not apply to any accessory that has been repaired or altered to affect the performance or reliability of the accessory.

Warranty does not apply to:

1. freight damage;
2. freeze damage;
3. damage caused by parts and/or accessories not obtained from or approved by General Pump;
4. damage caused by misuse and/or misapplication;
5. normal wear of moving parts or components affected by moving parts.

The period of warranty is 90 days from the date the product is purchased. Liability of manufacturer under the foregoing warranty is limited to repair or replacement at the option of the manufacturer of that product, which according to the manufacturer's investigation was deemed defective at the time of the shipment.

This warranty is in lieu of all other warranties, expressed or implied, including any warranty of merchantability and/or any and all other obligations or liabilities on the part of the manufacturer

TERMS & CONDITIONS RETURN POLICY

GP COMPANIES, INC. SALES POLICIES

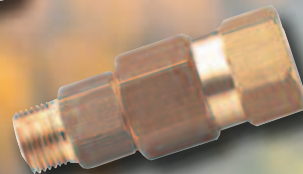
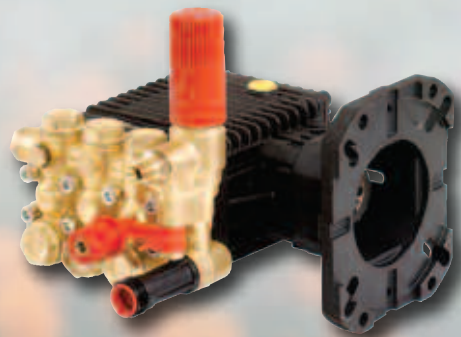
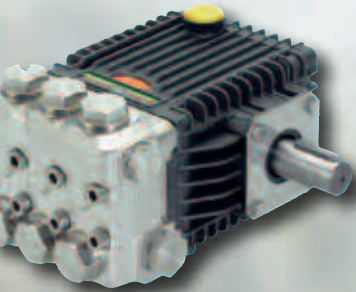
General Pump reserves the right to refuse to conduct business with any company not in good credit standing or that is not determined to be a qualified manufacturer, wholesaler or distributor.

TERMS & CONDITIONS

- Credit terms are Net 30 days, subject to credit department approval
- All shipments are FOB, Mendota Heights, MN
- Pricing is subject to change without notice

RETURN POLICY

1. To expedite the Return Merchandise Authorization (RMA) process, please have your General Pump invoice number available when you contact the Customer Service Department.
2. An RMA number must be acquired before returning product. To obtain an RMA number, please call General Pump's Customer Service Department at: (888)474-5487 ext. 199.
3. An RMA number is valid for 60 days from the date of issue. If the product is not received within 60 days, a new RMA number must be issued.
4. The RMA number must appear on the outside of the package. Items received without an RMA number will be refused.
5. Freight for returns, except for products shipped in error by General Pump, is the responsibility of the customer.
6. General Pump will repair or replace products qualified as defective under General Pump's warranty.
7. For the safety of our employees, all products used in any type of chemical application must include the MSDS sheet for the chemical used.
8. If you require immediate replacement for products submitted for warranty consideration, General Pump will ship and invoice at current price. Standard warranty policy will apply to returned products.



Temperature Conversion Table							
°C	°F	°C	°F	°C	°F	°C	°F
100	212.0	75	167.0	50	122.0	25	77.0
99	210.2	74	165.2	49	120.2	24	75.2
98	208.4	73	163.4	48	118.4	23	73.4
97	206.6	72	161.6	47	116.6	22	71.6
96	204.8	71	159.8	46	114.8	21	69.8
95	203.0	70	158.0	45	113.0	20	68.0
94	201.2	69	156.2	44	111.2	19	66.2
93	199.4	68	154.4	43	109.4	18	64.4
92	197.6	67	152.6	42	107.6	17	62.6
91	195.8	66	150.8	41	105.8	16	60.8
90	194.0	65	149.0	40	104.0	15	59.0
89	192.2	64	147.2	39	102.2	14	57.2
88	190.4	63	145.4	38	100.4	13	55.4
87	188.6	62	143.6	37	98.6	12	53.6
86	186.8	61	141.8	36	96.8	11	51.8
85	185.0	60	140.0	35	95.0	10	50.0
84	183.2	59	138.2	34	93.2	9	48.2
83	181.4	58	136.4	33	91.4	8	46.4
82	179.6	57	134.6	32	89.6	7	44.6
81	177.8	56	132.8	31	87.8	6	42.8
80	176.0	55	131.0	30	86.0	5	41.0
79	174.2	54	129.2	29	84.2	4	39.2
78	172.4	53	127.4	28	82.4	3	37.4
77	170.6	52	125.6	27	80.6	2	35.6
76	168.8	51	123.8	26	78.8	1	33.8
						0	32.0

Temperature Conversion formulas °C = 5/9(°F-32) °F = 9/5(°C+32)

Hose Friction Loss

Water* Flow Gal/Min	Pressure Drop in PSI per 100 feet of Hose With Typical Water Flow Rates Hose Inside Diameters, Inches						
	1/4"	5/16"	3/8"	1/2"	5/8"	3/4"	1"
	0.5	16	5	2			
1.0	54	20	7	2			
2.0	180	60	25	6	2		
3.0	380	120	50	13	4	2	
4.0		220	90	24	7	3	
5.0		320	130	34	10	4	
6.0			220	52	16	7	1
8.0			300	80	25	10	2
10.0				120	38	14	3
15.0				250	80	30	7
20.0					121	50	12
25.0					200	76	19
40.0					410	162	42
60.0						370	93

*At a fixed flow rate with a given size hose, the pressure drop across a given hose length will be directly proportional. A 50 foot hose will exhibit one-half the pressure drop of a 100 foot hose. Above values shown are valid at all pressure levels.

Suction, Head, Vapor Pressure						
Temp °F	Vapor	Suction lift or head @ altitude ft				
	Pressure	0	2000	4000	8000	12000
60	0.6 ft water	20	17.5	15.5	11.5	7.5
70	0.8 ft water	19.5	17	15	11	7
80	1.2 ft water	19.5	17	15	11	7
90	1.6 ft water	19	16.5	14.5	10.5	6.5
100	2.2 ft water	18.5	16	14	10	6
110	2.9 ft water	17.5	15	13	9	5
120	3.9 ft water	16.5	14	12	8	4
130	5.1 ft water	15.5	13	11	7	3
140	6.7 ft water	14	11.5	9.5	5.5	1.5
150	8.6 ft water	12	9.5	7.5	3.5	-0.5
160	10.9 ft water	9.5	7	5	1	...
170	13.8 ft water	6.5	4	2	-2	...
180	17.3 ft water	3	0.5	-1.5	...	...
190	21.6 ft water	-1	-3.5	-5.5	...	...
200	26.6 ft water	-6	-8.5	...	...	...
210	32.6 ft water	-12	...	...	...	...
212	34.0 ft water	-13.5	...	...	...	...

$$\text{GPM} = \frac{\text{HP} \times 1460}{\text{PSI}}$$

$$\frac{\text{Rated GPM}}{\text{Rated RPM}} = \frac{\text{Desired GPM}}{\text{Desired RPM}}$$

$$\text{PSI} = \frac{\text{HP} \times 1460}{\text{GPM}}$$

$$\frac{\text{Motor Pulley OD}}{\text{Pump RPM}} = \frac{\text{Pump Pulley OD}}{\text{Motor RPM}}$$

$$\text{Torque} = \frac{\text{HP} \times 5252}{\text{RPM}}$$

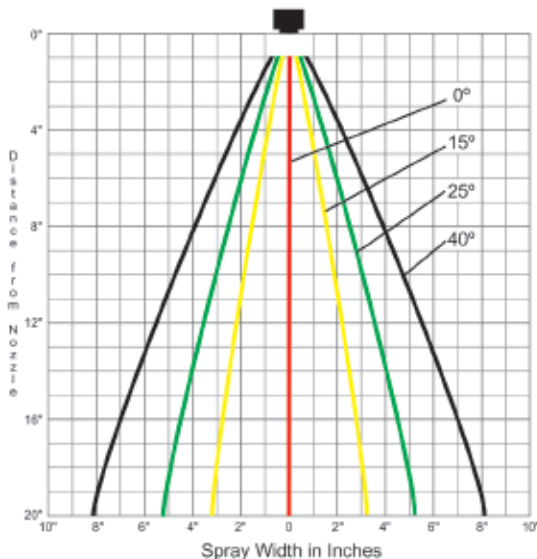
$$\text{Drive Ratio} = \frac{D}{d}$$

Friction Loss in Pipe Fittings in Equivalent Feet of Pipe							
Fitting	Fitting Size						
	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"	2-1/2"
90° Std Elbow	1.6	2.1	2.6	3.5	4	5.5	6.2
90° Long Elbow	1	1.4	1.7	2.3	2.7	4.3	5.1
90° Street Elbow	3	3.4	4.4	5.8	6.7	8.6	10.3
45° Std Elbow	0.8	1.1	1.4	1.8	2.1	2.8	3.3
45° Street Elbow	1	1.8	2.3	3	3.5	4.5	5.4
Square Elbow	3	3.9	5	6.5	7.6	9.8	11.7
Std Tee Straight Run	1	1.4	1.7	2.3	2.7	4.3	5.1
Std Tee Branch Run	4	5.1	6	6.9	8.1	12	14.3
Gate Valve - Full Open	0.7	0.9	1.1	1.5	1.7	2.2	2.7

Nozzle Chart

Nozzle Size	Orifice Dia.	40 PSI	100 PSI	250 PSI	500 PSI	600 PSI	700 PSI	800 PSI	1000 PSI	1200 PSI	1500 PSI	2000 PSI	2500 PSI	3000 PSI	3500 PSI	4000 PSI	5000 PSI
2	.034	0.20	0.32	0.50	0.71	0.77	0.84	0.89	1.00	1.10	1.22	1.41	1.58	1.73	1.87	2.00	2.24
2.5	.039	0.25	0.40	0.63	0.88	0.97	1.05	1.12	1.25	1.37	1.53	1.77	1.98	2.17	2.34	2.50	2.80
3	.043	0.30	0.47	0.75	1.06	1.16	1.25	1.34	1.50	1.64	1.84	2.12	2.37	2.60	2.81	3.00	3.35
3.25	.045	0.33	0.51	0.81	1.15	1.26	1.36	1.45	1.63	1.78	1.99	2.30	2.57	2.81	3.04	3.25	3.63
3.5	.048	0.35	0.55	0.88	1.24	1.26	1.46	1.57	1.75	1.92	2.14	2.47	2.77	3.03	3.27	3.50	3.91
3.75	.050	0.38	0.59	0.94	1.33	1.45	1.57	1.68	1.88	2.05	2.30	2.65	2.96	3.25	3.51	3.75	4.17
4	.052	0.40	0.63	1.00	1.41	1.45	1.67	1.79	2.00	2.19	2.45	2.83	3.16	3.46	3.74	4.00	4.47
4.5	.055	0.45	0.71	1.13	1.59	1.74	1.88	2.01	2.25	2.46	2.76	3.18	3.56	3.90	4.21	4.50	5.03
5	.057	0.50	0.79	1.25	1.77	1.94	2.09	2.24	2.50	2.74	3.06	3.54	3.95	4.33	4.68	5.00	5.59
5.5	.060	0.55	0.87	1.38	1.94	2.13	2.30	2.46	2.75	3.01	3.37	3.89	4.35	4.76	5.14	5.50	6.15
6	.062	0.60	0.95	1.50	2.12	2.32	2.51	2.68	3.00	3.29	3.67	4.24	4.74	5.20	5.61	6.00	6.71
6.5	.064	0.65	1.03	1.63	2.30	2.52	2.72	2.91	3.25	3.56	3.98	4.60	5.14	5.63	6.08	6.50	7.27
7	.067	0.70	1.11	1.75	2.47	2.71	2.93	3.13	3.50	3.83	4.29	4.95	5.53	6.06	6.55	7.00	7.83
7.5	.070	0.75	1.19	1.88	2.65	2.90	3.14	3.35	3.75	4.11	4.59	5.30	5.93	6.50	7.02	7.50	8.39
8	.072	0.80	1.26	2.00	2.83	3.10	3.35	3.58	4.00	4.38	4.90	5.66	6.32	6.93	7.48	8.00	8.94
8.5	.074	0.85	1.34	2.13	3.01	3.29	3.56	3.80	4.25	4.66	5.21	6.01	6.72	7.36	7.95	8.50	9.50
9	.076	0.90	1.42	2.25	3.18	3.49	3.76	4.02	4.50	4.93	5.51	6.36	7.12	7.79	8.42	9.00	10.06
9.5	.078	0.95	1.50	2.38	3.36	3.68	3.97	4.25	4.75	5.20	5.82	6.72	7.51	8.23	8.89	9.50	10.62
10	.080	1.00	1.58	2.50	3.54	3.87	4.18	4.47	5.00	5.48	6.12	7.07	7.91	8.66	9.35	10.00	11.18
11	.083	1.10	1.74	2.75	3.89	4.26	4.60	4.92	5.50	6.02	6.74	7.78	8.70	9.53	10.29	11.00	12.30
12	.087	1.20	1.90	3.00	4.24	4.65	5.02	5.37	6.00	6.57	7.35	8.49	9.49	10.39	11.22	12.00	13.42
12.5	.089	1.25	1.98	3.13	4.42	4.84	5.23	5.59	6.25	6.85	7.65	8.84	9.88	10.83	11.69	12.50	13.98
13	.091	1.30	2.06	3.25	4.60	5.03	5.44	5.81	6.50	7.12	7.96	9.19	10.28	11.26	12.16	13.00	14.53
14	.093	1.40	2.21	3.50	4.95	5.42	5.86	6.26	7.00	7.67	8.57	9.90	11.07	12.12	13.10	14.00	15.65
15	.096	1.50	2.37	3.75	5.30	5.81	6.27	6.71	7.50	8.22	9.19	10.61	11.86	12.99	14.03	15.00	16.77
20	.109	2.00	3.16	5.00	7.07	7.75	8.37	8.94	10.00	10.95	12.25	14.14	15.81	17.32	18.71	20.00	22.36
25	.125	2.50	3.95	6.25	8.84	9.68	10.46	11.18	12.50	13.69	15.31	17.68	19.76	21.65	23.39	25.00	27.95
30	.141	3.00	4.74	7.50	10.61	11.62	12.55	13.42	15.00	16.43	18.37	21.12	23.72	25.98	28.06	30.00	33.54
40	.156	4.00	6.32	10.00	14.14	15.49	16.73	17.89	20.00	21.91	24.49	28.28	31.62	34.64	37.42	40.00	44.72
50	.172	5.00	7.91	12.50	17.68	19.36	20.92	22.36	25.00	27.39	30.62	35.36	39.53	43.30	46.77	50.00	55.90
60	.188	6.00	9.49	15.00	21.21	23.24	25.10	26.83	30.00	32.86	36.74	42.43	47.43	51.96	56.12	60.00	67.08

GP Nozzle Spray Coverage



Nozzles

Nozzle # =	GPM	.	$\sqrt{\frac{4000}{\text{PSI}}}$
GPM =	Nozzle #	.	$\sqrt{\frac{\text{PSI}}{4000}}$
PSI =	$\left(\frac{\text{GPM}}{\text{Nozzle}}\right)^2$	.	4000

Horsepower

$\frac{\text{GPM} \cdot \text{PSI}}{1460}$	=	Electric Brake HP
$\frac{\text{GPM} \cdot \text{PSI}}{1714}$	=	Hydraulic HP
$\frac{\text{GPM} \cdot \text{PSI}}{1460} \cdot 1.5$	=	Gasoline HP (Industrial Engine)

MODEL/PART	PAGE	MODEL/PART	PAGE	MODEL/PART	PAGE
100016	55	100617	65	100844	62
100059	70	100618	65	100845	62
100071	47	100619	65	100846	62
100074	33	100622	86	100853	33
100075	33	100630	67	100861	64
100076	33	100631	67	100862	64
100093	33	100632	67	100863	64
100094	33, 66	100633	65	100865	63
100096	33	100634	65	100869	75
100097	33	100635	65	100870	75
100145	67	100636	67	100871	32
100146	67	100637	67	100872	32
100147	67	100638	67	100873	66
100152	68	100647	86	100874	66
100156	62	100648	13	100875	66
100160	70	100649	87	100879	89
100163	54	100650	87	100880	83
100169	67	100651	87	100882	85
100172	54	100652	87	100892	30, 60
100181	67	100653	65	100904	89
100214	55	100654	65	100906	68
100216	55	100655	65	100909	85
100217	55	100656	13	100913	32
100219	55	100673	73	100931	32, 89
100256	55	100676	63	100938	33
100259	62	100677	62	100947	32, 66
100264	55	100678	62	100948	32, 66
100268	30, 60	100679	62	100949	32, 66
100269	30, 60	100680	62	100950	32, 66
100272	88	100684	63	100955	33
100275	84	100687	54	100956	33
100276	84	100688	54	100957	33
100277	84	100690	67	100962	61
100278	55	100717	54	100963	61
100295	55	100718	54	100971	61
100315	47	100719	54	100972	61
100316	47	100720	54	100973	62
100317	47	100722	61	100975	32, 89
100323	62	100723	61	100976	54
100324	62	100724	61	100977	54
100325	63	100726	61	100979	62
100326	63	100727	61	100980	61
100329	89	100728	61	100981	61
100333	33, 66	100729	61	100982	61
100334	33, 66	100730	63	100983	61
100336	33, 66	100734	55	100984	61
100339	33, 66	100735	55	100996	33
100438	88	100751	70	100998	30, 60
100439	88	100752	73	100999	30
100450	55	100763	65	101002	70
100467	81	100764	65	101004	33
100487	81	100765	65	101010	33
100490	62	100773	66	101012	67
100511	32	100774	66	103011	89
100512	62	100775	66	103035	68
100513	62	100776	66	103036	68
100514	62	100781	32, 66	103090	68
100534	61	100783	92	105082	78
100538	88	100790	66	105083	78
100541	33, 66	100791	66	105084	78
100543	62	100792	54	105085	78
100544	62	100797	61	105086	78
100545	63	100798	61	105087	78
100546	63	100799	61	105088	78
100547	61	100810	64	105089	78
100552	55	100811	64	105090	78
100553	55	100812	64	105120	78
100556	62	100813	64	105121	78
100557	62	100814	63	105122	78
100558	62	100819	65	105123	78
100560	86	100820	65	105124	78
100570	66	100821	65	105125	78
100571	66	100822	65	105126	78
100572	66	100823	64	105127	78
100575	65	100824	64	105140	29
100576	65	100825	64	105144	29
100577	65	100826	64	105145	29
100594	66	100827	64	105154	29
100595	66	100828	64	105164	29
100609	61	100829	64	105167	29
100610	61	100830	64	105169	29
100611	61	100835	33	105191	29
100615	32	100835	66	105193	29
100616	66	100838	63	105194	78

INDEX

MODEL/PART	PAGE	MODEL/PART	PAGE	MODEL/PART	PAGE
190009.....	59	2530022.....	92	D10066.....	90
190029.....	90	2530023.....	92	D10067.....	90
190031.....	90	2530024.....	92	D10070.....	90
190079.....	59	2900003.....	82	D10071.....	90
190091.....	76	2900004.....	82	D10072.....	83
190107.....	90	2900005.....	82	D10073.....	83
190200.....	91	16407400.....	92	D10074.....	83
190225.....	54	26093400.....	92	D10075.....	83
190238.....	27	26093500.....	92	D10076.....	84
190239.....	27	26093600.....	92	D10077.....	84
190245.....	27	27124900.....	92	D10078.....	84
190358.....	90	100333S.....	32	D10079.....	84
190361.....	59	100334S.....	32	D10084.....	84
190417.....	47	100336S.....	32	D10085.....	84
190443.....	58	100339S.....	32	D10088.....	83
190446.....	55	100438B.....	88	D10089.....	83
190447.....	55	100439B.....	88	D10090.....	83
190448.....	55	100538B.....	88	D10091.....	83
190465.....	59	100541S.....	32	D10092.....	84
190600.....	49	100869C.....	75	D10093.....	84
190601.....	49	100870C.....	75	D10097.....	83
203411.....	26	100999.....	60	D10098.....	83
320000.....	89	900400Q.....	78	D10099.....	90
320001.....	89	915500MSS.....	78	D10114.....	90
320002.....	89	915500QB.....	78	D10117.....	84
320003.....	89	925400M.....	78	D10118.....	84
320004.....	89	925400Q.....	78	D10119.....	84
320005.....	89	965400M.....	78	D20011.....	73
510227.....	26	965400Q.....	78	D20015.....	75
510476.....	26	965400S.....	78	D22000.....	73
520133.....	83	9971GR.....	13	D30001.....	74
520134.....	83	A15.....	47	D30002.....	74
520135.....	83	A15X.....	47	D30004.....	74
520136.....	83	A7.....	47	D30006.....	74
520190.....	68	A7S.....	47	D30008.....	74
520197.....	68	A7X.....	47	D40001.....	86
520222.....	68	AB120.....	18	D40003.....	86
520223.....	68	AB180.....	18	D40006.....	86
520273.....	68	AB90.....	18	D40013.....	86
520274.....	68	AT0011.....	18	DCFSCP18.....	74
520275.....	68	AT0055.....	18	DCFSCP18GZ.....	74
520276.....	68	AT0055DS.....	18	DCFSCP20.....	74
520279.....	68	AT0055DSL.....	18	DCFSCP20GZ.....	74
520282.....	68	CW1012.....	28	DCFSCS22.....	74
520292.....	68	CW2004.....	27	DCG5010.....	69
520341.....	68	CW2040.....	27	DCGSCS22Z.....	74
520342.....	68	CW24.....	27	DCLTG18.....	75
520343.....	68	CW3040.....	27	DCLTG18A.....	75
560001.....	29	CW3555.....	27	DCLTG24.....	75
560002.....	29	D10001.....	83	DCLTG24A4.....	75
638295.....	26	D10002.....	83	DBBL14.....	82
638298.....	26	D10003.....	83	DFSCP12.....	74
639015.....	54	D10004.....	83	DG320014.....	70
639273.....	49	D10005.....	83	DG320038.....	70
639276.....	49	D10006.....	83	DG3200M.....	70
639611.....	52	D10007.....	83	DG4000.....	69
639664.....	52	D10008.....	83	DG400038.....	70
639723.....	52	D10009.....	83	DG4000S.....	69
680006.....	84	D10010.....	84	DG4000W.....	69
680007.....	84	D10011.....	84	DG4512.....	69
680073.....	84	D10012.....	84	DG5010.....	31, 69
680094.....	49	D10016.....	84	DG5010W.....	31, 69
680095.....	49	D10017.....	84	DGLN3230M.....	70
680096.....	49	D10021.....	85	DGLN3299M.....	70
686010.....	31, 91	D10023.....	85	DGLNH120.....	70
686011.....	31, 91	D10024.....	85	DHL4086.....	79
686028.....	31, 91	D10027.....	85	DHL4099.....	79
700004.....	84	D10028.....	85	DHL4120.....	79
700034.....	84	D10029.....	85	DHL4130.....	79
720039.....	84	D10030.....	85	DHL4140.....	79
2100206.....	92	D10032.....	84	DHL4150.....	79
2100208.....	92	D10033.....	84	DHL4160.....	79
2100242.....	57	D10035.....	83	DHL4170.....	79
2100306.....	75	D10037.....	85	DHL4180.....	79
2100357.....	74	D10040.....	85	DHR50100D.....	74
2100358.....	74	D10041.....	85	DHR50150D.....	74
2510103.....	85	D10043.....	85	DHR50200D.....	74
2530016.....	92	D10044.....	85	DHRA50150.....	74
2530017.....	92	D10052.....	85	DHRA50300.....	74
2530018.....	92	D10061.....	83	DHRP50150.....	74
2530019.....	92	D10062.....	83	DL18FWBK.....	31
2530020.....	92	D10063.....	83	DL18FWBKM.....	31
2530021.....	92	D10064.....	83	DL18FWBL.....	31

MODEL/PART	PAGE	MODEL/PART	PAGE	MODEL/PART	PAGE
DL18FWBLM	31	EZ3030G34	9	KIT1S	92
DL18FWRD	31	EZ3030G34UI	9	KIT2S	92
DL18FWRDM	31	EZ3035G	9	KIT3S	92
DL24ICS	72	EZ3035GUK	9	KIT4S	92
DL27ICS	72	EZ3036SN	8	KS28A	36
DL36ICS	72	EZ3040G	9	KS28SA	36
DL36VCS	72	EZ3040GUI	9	KS32A	36
DL36VSS	72	EZ3040GUK	9	KS36A	36
DL36VSSB	72	EZ3040S	8	KS40A	36
DL42ICS	72	EZ3042S	8	KT16A	35
DL47ICS	72	EZ3045G	9	KT18A	35
DL48VCS	72	EZ3435GUI	9	KT20A	35
DL59ICS	72	EZ4030G34	9	KT22A	35
DL79ICS	72	EZ4035E34	8	KT24A	35
DLE1614	73	EZ4035G34	9	KT28A	35
DLE1618	73	EZ4040E34	8	KT30A	35
DLE2214	73	EZ4040G	9	KT32A	35
DLE2814	73	F10	49	KT36A	35
DLE2818	73	F20	49	KT40A	35
DLTG12	75	F26019400	92	LK3615	37
DSDBK1	92	F30	49	LK3617	37
DWSDBTK	92	F3420301	39	LK4015	37
EP1306G8	11	F3420401	39	LK4017	37
EP1306S34	10	F3420501	39	LK4515	37
EP1308G8	11	F40	49	LK4517	37
EP1308S34	10	F50/80	49	LK5015	37
EP1309G8	11	F60	49	LK5017	37
EP1310G8	11	FPN12	47	LK5515	37
EP1310S34	10	FPN14	47	LK5517	37
EP1311G8	11	HF18A	35	LK6015	37
EP1311S34	10	HF20A	35	LK6017	37
EP1313G8	11	HF22A	35	LKN3615	44
EP1313S17	10	HF25A	35	LKN3617	44
EP1313S34	10	HFN25A	42	LKN4015	44
EP1505G6	11	HT125CW	26	LKN4017	44
EP1505S34	10	HT125RCK	26	LKN4515	44
EP1506G6	11	HT150CWL	26	LKN4517	44
EP1506G8	11	HT150CWS	26	LKN5015	44
EP1506S34	10	HT150RCK	26	LKN5017	44
EP1508G6	11	HT2215S	24	LKN5515	44
EP1508G8	11	HTC1506S17	20	LKN5517	44
EP1508S34	10	HTC1509E175	20	LKN6015	44
EP1509G8	11	HTC1509S17	20	LKN6017	44
EP1510E17	10	HTC1511S17	20	MK40A	37
EP1510G8	11	HTC1515E345	20	MK45A	37
EP1510S17	10	HTCK3623S	22, 26	MK50A	37
EP1510S34	10	HTCK4050S	22, 26	MK55A	37
EP1512E17	10	HTF2018S	21, 25	MK60A	37
EP1512S17	10	HTF2221S	21, 25	MK65A	37
EP1513S17	10	HTF2421S	21, 25	MKS40A	37
EP1810E17	10	HTS2016S	21, 24	MKS45A	37
EP1810S17	10	HTS2210S	21, 24	MKS50A	37
EP1811E17	10	HTS2212S	21, 24	MKS55A	37
EP1811S17	10	HTS2215S	21	MKS60A	37
EP1812E17	10	HTW3624S	22, 25	MKS65A	37
EP1812S17	10	HTXS1810S	20, 24	MW32A	36
EP1813S17	10	HTXS1812S	20, 24	MW36A	36
ES1810S	12	HTXS1813S	20, 24	MWN32A	43
ES2010S	12	KE20A	35	MWN36A	43
ES2012S	12	KE22A	35	MWN40A	43
ES2013S	12	KE24A	35	MWN45A	43
ES2212S	12	KE28HA	35	MWN50A	43
ES2213S	12	KE30HA	35	MWN55A	43
ESN1310G	12	KE36HA	35	MWS40A	36
ESN1313G	12	KEZ20A	42	MWS45A	36
ESN1510G	12	KEZ22A	42	MWS50A	36
ESN1512G	12	KEZ24A	42	MWS55A	36
ESN1810S	12	KEZ28HA	42	Nozzles, Standard, F-Style	77
ESN2010S	12	KEZ30HA	42	Nozzles, Standard, M-Style	77
ESN2012S	12	KEZ36HA	42	Nozzles, Standard, Q-Style	77
ESN2013S	12	KF28A	36	Nozzles, Standard, S-Style	77
ESN2212S	12	KF30A	36	P12	48
ESN2213S	12	KF32A	36	P45	48
EZ2530SUI	8	KF36A	36	P47	48
EZ2536E	8	KF40A	36	PLSR4HVNCV	30, 56
EZ2536EUI	8	KF50MA	39	PLSR4HVNCV	30, 56
EZ2536S	8	KFMZ40A	43	PLSRZ2140	59
EZ2542E	8	KFZ22A	43	PLSRZ2140MS	59
EZ2542S	8	KFZ30A	43	PLSRZ523	59
EZ2542SN	8	KFZ36A	43	PLSRZ523MS	59
EZ2545E	8	KFZ40A	43	PN/VU2	47
EZ2545S	8	KINSTS66	92	PN2	47
EZ2555E	8	KINSTSF66	92	PN3/160	47
EZ2555S	8	KINSTX63	92	PN3/240	47

INDEX

MODEL/PART	PAGE	MODEL/PART	PAGE	MODEL/PART	PAGE
PN3/300	47	SV12/1500	46	TS1811	14
PNR2	47	SV12/800	46	TS2011	14
PNRA2	47	SV3/100	46	TS2012SS	41
PNRV12/800	47	SV3/200	46	TS2013	14
PNRV14/VH	47	SV3/300	46	TS2016SS	41
PNRV15/1500	47	SX2/100	46	TS2021	14
PS12	48	SX2/200	46	TS2212SS	41
PU1021	91	SX2/300	46	TS2212SS	41
PU1021B	91	SX2/400	46	TS921	14
PU1021QB	91	SX2/500	46	TSF1819	15
PULSAR4HP	56	SX3/200	46	TSF2019	15
PULSAR4HPMS	56	SX3/300	46	TSF2019DS	15
PULSAR4KHP	56	T1011	14	TSF2019SS	42
PULSAR4KHPEZ	56	T1321	14	TSF2021	15
PULSAR4KHPS	56	T1509HA28	52	TSF2021SS	42
PULSAR4KHP	56	T1621	14	TSF2219	15
PULSAR4KLP	56	T1631	17	TSF2221	15
PULSAR4LP	30, 56	T2031	17	TSF2221SS	42
PULSARZ	59	T41	16	TSF2421	15
PULSARZMS	59	T9051EBF	2	TSF2421SS	42
PXW2005	29	T9051EBFU	2	TSF2819	15
R1/200A	45	T9051EBFUI	2	TSP1619	15
R1/400A	45	T921	14	TSP1621	15
R1/600A	45	T9211	14	TSP1621N	15
R1X/200A	45	T9281	14	TSP1819	15
R1X/400A	45	T991	13	TSP1821	15
R1X/600A	45	T991GR	13	TSS1021	14
R2	45	T9951	13	TSS1511	14
R2L	45	T9971	13	TT1540GBF	3
R3HP/450	45	TC1502E175	4	TT2021EBF	2
R3LP/230	45	TC1504E345	4	TT2028EBF	2
RA2	45	TC1505E345	4	TT2028GBF	3
RA2L	45	TC1506E345	4	TT2035EBF	2
RV14/1200VH	45	TC1506E346	4	TT2035EBFUI	2
RV14/1500	45	TC1506G	5	TT2035GBF	3
RV14/1500A	45	TC1506GUI	5	TT901	2
RV14/800	45	TC1507E345	4	TT9061EBF	2
RVS280SS	45	TC1507E346	4	TT9061EBFU	2
RX3/100	45	TC1507G	5	TT9061EBFUI	2
RX3/300	45	TC1507GUI	5	TT9061GBF	3
S1503	46	TC1507S34	4	TT9071EBF	2
S1510/1000	46	TC1508E175	4	TT9071EBFU	2
S1510/1100	46	TC1508E346	4	TT9071EBFUI	2
S1510/1250	46	TC1508G	5	TT9071GBF	3
S1510/1500	46	TC1508GUI	5	TT9111	2
S1510/1800	46	TC1508S34	4	TT9111EBF	2
S1510/800	46	TC1509E175	4	TT931	2
S723/100	46	TC1509G	5	TT9351	13
S723/200	46	TC1509GUI	5	TT941	2
S723/300	46	TC1509S17	4	TT951	2
S723/400	46	TC1511S17	4	TX1505G6	7
S723/500	46	TC1805E175	4	TX1506G6	7
S723/600	46	TC1809E175	4	TX1506G8	7
S723/700	46	TC1809HA17	52	TX1506G8UK	7
SGR1125	53	TC1809S17	4	TX1506S34	6
SHR50150	74	TC1811S17	4	TX1508G6	7
SK2015	39	TOOLKITPRI	92	TX1508G6	7
SK2017	39	TP2520J34	3	TX1508G8UIA	7
SK2215	39	TP2520J34UIL	3	TX1508G8UK	7
SK2217	39	TP2526J34	3	TX1508S34	6
SK2415	39	TP2526J34UIL	3	TX1509G8	7
SK2417	39	TP2530J34	3	TX1509G8UIA	7
SK2615	39	TP2530J34UIL	3	TX1509G8UK	7
SK2617	39	TP2533J34	3	TX1510E349	6
SK2815	39	TP2533J34UIL	3	TX1510G8	7
SK2817	39	TR26	40	TX1510G8UIA	7
SK3015	39	TR30	40	TX1510G8UK	7
SK3017	39	TR36	40	TX1510S17SS	41
SM14	38	TR50	40	TX1510S34	6
SM16	38	TR60	40	TX1512E179	6
SM18	38	TR70	40	TX1512S17	6
SM20	38	TR75	40	TX1512S17SS	41
SM22	38	TS1011	14	TX1513S17	6
SM24	38	TS1041	16	TX1810E179	6
SR26	40	TS1321	14	TX1810S17	6
SR30	40	TS1331	14	TX1810S17SS	41
SR32	40	TS1531	16	TX1812E179	6
SR36	40	TS1621	14	TX1812HA17	52
SR50	40	TS1711	14	TX1812S17	6
SR65	40			TX1812S17SS	41
SR75	40			TX1813S17	6
SV12/1000	46			UD1	47
SV12/1100	46			VF12	38
SV12/1250	46			VF14	38

MODEL/PART	PAGE	MODEL/PART	PAGE	MODEL/PART	PAGE
VK12	38	YDL33SSB	72	YL36B	71
VK14	38	YDL41	72	YL40SS	71
VP12	47	YDL41B	73	YL47PNB	71
WM0515C	41	YDL41SS	72	YL47PNS	71
WM0815C	41	YDL41SSB	72	YL59PNB	71
WM1015C	41	YDL935	73	YL59PNS	71
WM1615C	41	YDRNT1	82	YL67PNB	71
WM2315C	41	YDRNT2	82	YL67PNS	71
WM2515S	41	YDRNT3	82	YL72SS	71
WM3015C	41	YESTVALVE	62	YL79PNB	71
WM3615C	41	YF00	86	YL79PNS	71
WM4215C	41	YF00C	86	YL85S	71
WM4215S	41	YF30	86	YLD943	73
Y25430060	50	YF30	86	YLS12	76
Y25435060	50	YF5BMF	87	YLS12T	76
Y25438060	50	YF5MF	87	YLS31T	76
Y25450000	50	YFL7SWITCH	89	YPCV2175	63
Y25459000	50	YFLOATANK	91	YPCV3240	63
Y25460000	50	YFLOATVALVE	91	YPCV823	63
Y25475000	50	YFLOSWITCH	89	YPRESSWITCH	88
Y25477000	50	YFY1	87	YPRESSWITCH1521	88
Y25479000	50	YFY34	87	YPRESSWITCH1535	88
Y25482000	50	YG1635	70	YPRESSWITCH1564	88
Y25485000	50	YG1635S	70	YPRESSWITCH521	88
Y29026035	88	YG1635SR	70	YPRESSWITCH535	88
Y29092008	62	YG1635SS	70	YPRESSWITCH564	88
Y29092012	62	YG1732	70	YPRESSWITCHHHP	88
Y29092015	62	YG2635AS	70	YPRESSWITCHHPL	88
Y29094500	67	YG2953B	70	YPRSWITCHXL	88
Y29095400	67	YG3000D	70	YR23K20	80
Y3025717	70	YG3000DS	70	YR23K25	80
Y3K020	80	YG4000	31, 69	YR23K30	80
Y3K030	80	YG4000WN	31, 69	YR23K35	80
Y3K035	80	YG4010	31, 69	YR23K40	80
Y3K040	80	YG4010W	31, 69	YR23K45	80
Y3K045	80	YG4060SS	70	YR23K50	80
Y3K050	80	YG4500S	69	YR23K55	80
Y3K055	80	YG4500ST	69	YR23K60	80
Y3K065	80	YG5000	31, 69	YR23K65	80
Y5K020	80	YG5000C	69	YR23K70	80
Y5K030	80	YG5000ST	69	YR23K80	80
Y5K035	80	YG5000W	31, 69	YR36K30	80
Y5K040	80	YG5200	70	YR36K35	80
Y5K045	80	YG5200/L42	70	YR36K40	80
Y5K050	80	YG7200	70	YR36K45	80
Y5K055	80	YG7207	48	YR36K50	80
Y5K060	80	YG7221	48	YR36K55	80
Y5K065	80	YG7221-L31	48	YR36K60	80
Y5K090	80	YG7221-L51	48	YR36K65	80
Y5K100	48	YGR0750	53	YR36K70	80
Y5K100	80	YGR1000	53	YR36K80	80
Y5K120	48	YGR1000P	53	YR51K35	80
Y5K120	80	YGR1125	53	YR51K35	80
Y5K150	48	YGR1125P	53	YR51K40	80
Y5K200	48	YGR1125P31	53	YR51K45	80
Y5K200	80	YHILO110	79	YR51K50	80
Y60014924	56	YHILO120	79	YR51K55	80
Y7K040	81	YHILO130	79	YR51K60	80
Y7K045	81	YHILO140	79	YR51K65	80
Y7K050	81	YHILO150	79	YR51K70	80
Y7K055	81	YHILO160	79	YR51K80	80
Y7K055	81	YHILO170	79	YR5221	30, 60
Y7K065	81	YHL20	79	YRG30FG	91
Y7K070	81	YHL25	79	YRG60FG	91
YADJNOZ	82	YHL30	79	YRL20	69
YAINJ18E	64	YHL35	79	YRL2640	31, 69
YAINJ21E	64	YHL40	79	YRL2640W	31, 69
YAINJ23E	64	YHL45	79	YRL51	69
YBRV5325	30, 60	YHL50	79	YRL56	69
YBRV624	30, 60	YHL55	79	YRL56L	70
YBRV624D	30, 60	YHL60	79	YROTBRUSH	76
YBRV631	60	YHL70	79	YRT8720	48, 81
YBRV631D	60	YHL80	79	YRT8730	48, 81
YCV12FB	30, 63	YL20 PNS	31	YRT8740	48, 81
YCV12FSS	30, 63	YL20PNB	31, 71	YRT8750	48, 81
YCV14FB	63	YL20PNS	71	YRT8760	48, 81
YCV14FSS	30, 63	YL24NS	31	YRT8770	48, 81
YCV34FB	30, 63	YL24PNB	31, 71	YRT8780	48, 51
YCV34FSS	30, 60	YL24PNS	71	YRV2063	61
YCV38FB	63	YL27PNB	31, 71	YRV3463	61
YCV38FSS	30, 63	YL27PNS	31, 71	YSTN14F	82
YDBL18	82	YL31SS	71	YSW14MFB	29, 90
YDL33	72	YL35PNB	71	YSW14MFSS	29, 90
YDL33B	73	YL35PNS	71	YSW38MFB	29, 90

INDEX

MODEL/PART	PAGE	MODEL/PART	PAGE	MODEL/PART	PAGE
YSW38MFSS	29, 90	ZG202	53	ZP87SSL39	48
YU21235	30, 56	ZG56C	53	ZP87SSL39S	48
YU21405	56	ZGH475B	52	ZRMAX112	48
YU2158	56	ZGH705B	52	ZRMAX113	48
YU2158NCV	56	ZGH71SC14TB	52	ZRMAX114	48
YU3678	57	ZGH71SC14TR	52	ZRMAX115	48
YU3678MS	57	ZGH71SC14TT	52	ZRMAX2220	49
YU4050K	57	ZGH71SCB	52	ZRMAX2225	49
YU4050KDM	58	ZGH71SCR	52	ZRMAX2231	49
YU5075K	57	ZGH71SCT	52	ZRMAX2245	49
YU5075KMM	57	ZGL100	53	ZRMAX2259	49
YU5075KMS	57	ZGP11	69	ZRMAX581	81
YU5075KS	57	ZGR0750	53	ZRMAX583	81
YU5121B	30	ZGRPTO	53	ZROBO0	64
YU5221	30, 56	ZGRS1000	53	ZROBO0B	64
YUB21405	56	ZGRS1000H	53	ZROBO1	64
YUB2140SNCV	56	ZGRS1125	53	ZROBO1B	64
YUW21235	56	ZK1	59	ZROBO2	64
YVB135KDM	58	ZK138	59	ZROBO2B	64
YVB135KDMI18	58	ZK30	59	ZROBO3	64
YVB135KDMI21	58	ZK31	59	ZROBO3B	64
YVB16	45	ZK32	59	ZROTOMAX1	81
YVB280SS	45	ZK33	59	ZROTOMAX2	81
YVB351KDM	58	ZK3608SS	45	ZROTOMAX3	81
YVB351KDMI18	58	ZK4010	30, 57	ZSPEED	89
YVB351KDMI21	58	ZK50	59	ZUDBL	82
YVB35KDM	58	ZK51	59	ZUDRNT	82
YVB35KDME	58	ZK52	59	ZUH178	54
YVB35KDMI18	58	ZK53	59	ZUH40	54
YVB35KDMI21	58	ZK5813	57	ZUMDRNT1	82
YVB3K	57	ZK70	59	ZUMDRNT2	82
YVB3KA	57	ZK71	59	ZZ15	71
YVB3KTT	57	ZK72	59	ZZDBL	73
YVB3KTTI18	57	ZK7217SS	45	ZZDBL72	73
YVB3KTTI21	57	ZK73	59		
YVB3KTTI23	57	ZK9	59		
YVB4021B	60	ZKBH3030	45		
YVB4021SS	45	ZKHM	57		
YVB5121B	45, 60	ZKHM1	57		
YVB56KDM	58	ZKS3	61		
YVB56KDMI21	58	ZKSR	61		
YVB5K	57	ZKSX1	30, 45, 60		
YVB75KDMN	58	ZKTIMAX	45		
YVB75KDMN21	58	ZKW1	58		
YVB75KTP	58	ZKW1SC	58		
YVB75KTPF21	58	ZKW21	58		
YVB7K	57	ZKW21L	58		
YVB8KMS	57	ZKW22L	58		
YVB8KMS10	57	ZKW2LSC	58		
YVB9K	57	ZKW2SC	58		
YVB9KMS2	57	ZKW326	58		
YVB9KMSS	57	ZKW340	58		
YVRP12029	45	ZKW355	58		
YVRP15W	60	ZKX600	45		
YVRP32B	60	ZMACC	91		
YVRPP26SS	47	ZMFIL	87		
YVS235S	46	ZMINA14F	85		
YVS5100B	60	ZMINA14M	85		
YVS7250	45	ZMINA38F	85		
YVX235S	45	ZMINB12M	85		
YWSTR12	87	ZMINB14F	85		
ZOFILKIT	86	ZMINB14M	85		
ZOFOAM	76	ZMINB38F	85		
ZOKR1	58	ZMINB38M	85		
ZOMULTIREG99	79	ZMINB38M	85		
ZOSANDKIT1	92	ZMSIMPLEX3	88		
ZBBH24	54	ZMSNDBLST0	92		
ZBBH35	54	ZMSNDBLST1	92		
ZF1	86	ZMSNDBLST2	92		
ZF184	53	ZMSNDBLST3	92		
ZF184N	53	ZMSNDBLST5	92		
ZF2	86	ZMSNDPOKER	92		
ZF213215	53	ZMVALAT	92		
ZF6145	53	ZMVTOOL	92		
ZF811	53	ZP100	54		
ZFH475B	52	ZP140	54		
ZFH705B	52	ZP160	54		
ZFH705B	53	ZP3B136	54		
ZFH71SC	53	ZP3B60	54		
ZFWWS	53	ZP4140	54		
ZFWWU	53	ZP87SS	48		
ZG145TC	53	ZP87SSL29	48		
ZG184TC	53	ZP87SSL29S	48		

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