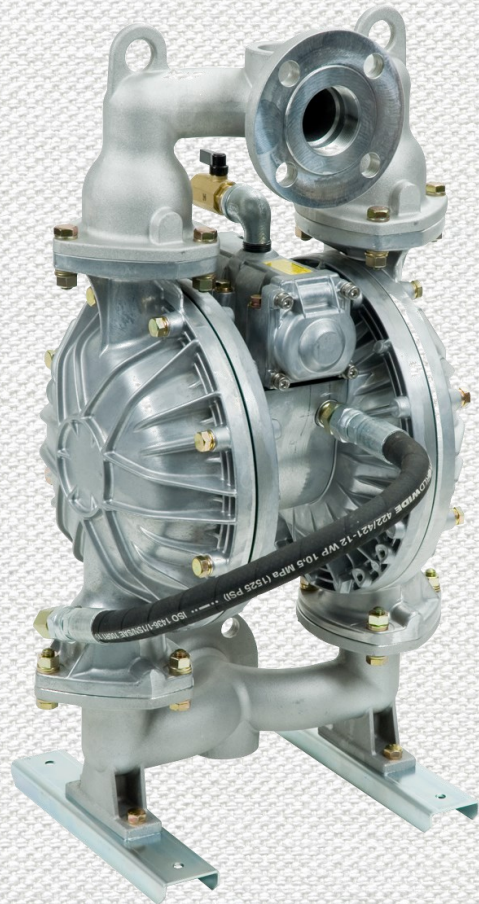


## 2:1 High Pressure Pump

The Yamada® 2:1 High Pressure Pump was specifically designed for applications where 100 PSI maximum pump operating pressure is not enough to overcome system requirements. The Yamada 2:1 pump will develop pressures up to 185 PSI, with only 100 PSI air inlet pressure. The 2:1 discharge pressure ratio is achieved by utilizing twice the surface area (driving both diaphragms) to double the output. The flow rate is half the volume of its equivalent 1:1 pump.

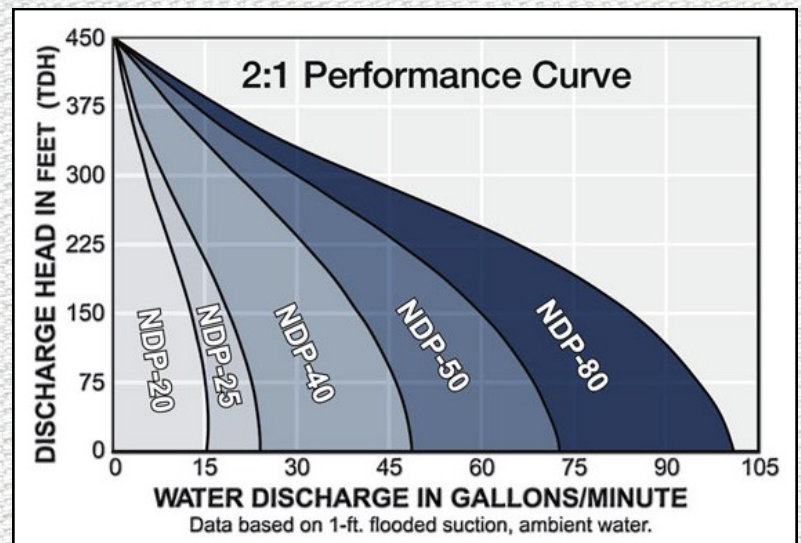


### Key Advantages

- No elaborate bypass required
- No relief valves required
- No complicated controls required
- Great pressure retention (ability to hold pressure)
- 3/4" through 3" port sizes available
- 316 Stainless Steel, Cast Iron, and Aluminum wetted materials
- EPDM, Neoprene, Buna N, Viton®, Santoprene®, and Hytrel® elastomers
- Capacities from 1 to 100 GPM
- Discharge pressure to 180PSI
- Can handle solids as large as <math>< 13/32'' </math> (10mm)

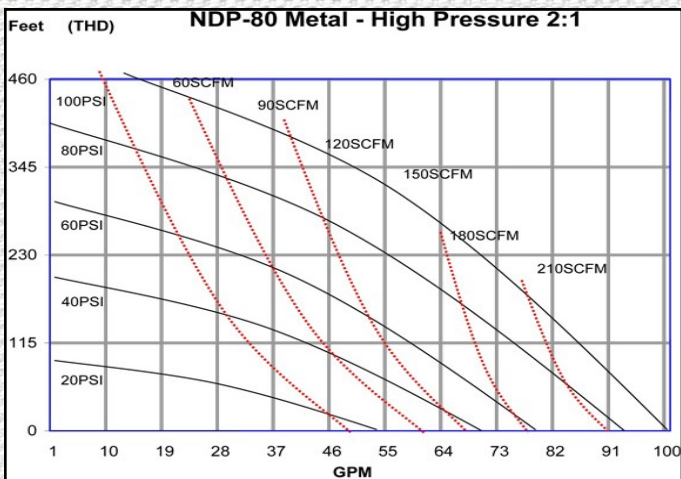
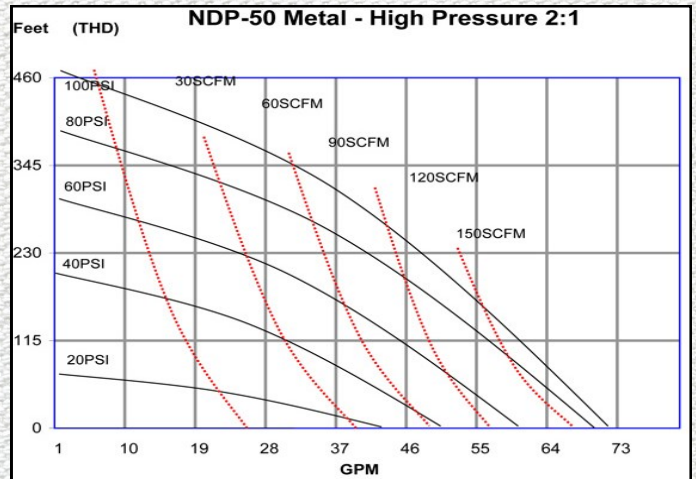
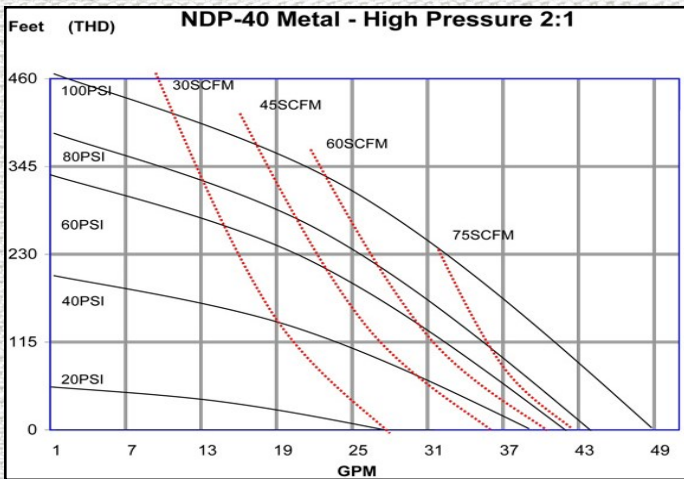
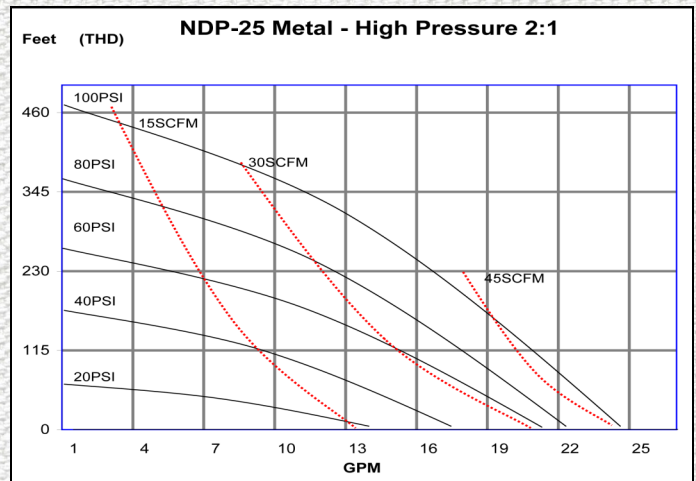
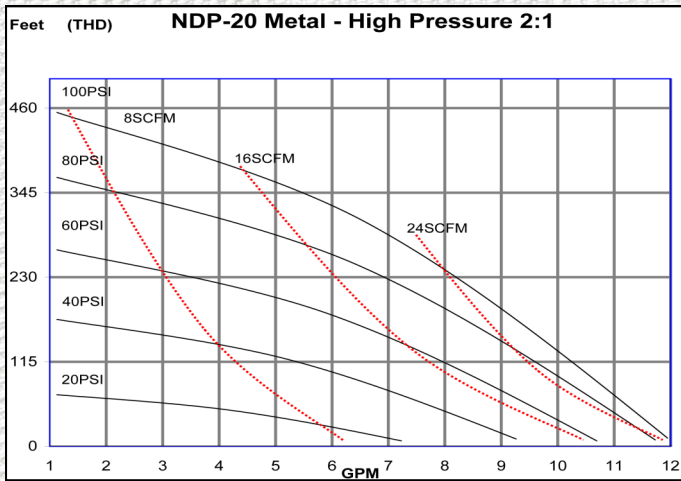
### Applications

- Charging filter press
- High head requirements
- High viscosity fluids
- Solids laden slurries





## 2:1 High Pressure Pump Performance Curves



### Performance Data

Performance curves are based on normal temperature (70°F), fresh water. The discharge volume and discharge head vary according to viscosity, specific gravity, etc. of the material to be transferred.

Note: 2:1 high pressure pumps are considered simplex pumps which will increase pulsation during operation. Consult Yamada for proper pulsation dampener selection.

Note: Due to Yamada's continued commitment to product improvement, specifications may change without notice.

Label:

Nordel®, Viton®, & Hytrel® are registered trademarks of DuPont Performance Elastomers  
Santoprene® is a registered trademark of Monsanto Company



Toll Free: 800-990-7867  
www.yamadapump.com



Form: HP0114