# NDP-15 Specifications

Port Dimensions	(13.5 GPM Max.)
Intake & discharge connection:	
Polypropylene (PPG) ■	1/2" Female NPT
Kynar <sup>®</sup> (PVDF) ◆	1/2" Female NPT
Groundable Acetal ◆	1/2" Female NPT
Aluminum (ADC-12) 🔺	1/2" Female NPT
Stainless Steel (316) ▲	1/2" Female NPT
Air inlet (includes ball valve):	1/4" Female NPT
Air exhaust (internal silencer):	3/8" Female NPT

- Polypropylene pumps may be fitted with ball or flat check valves. Ball-type check valves are recommended for flooded suction applications.
  Flat-type check valves are recommended for suction lift applications.
- Kynar<sup>®</sup> and Groundable Acetal pumps are fitted with flat check valves only.
- Aluminum and Stainless Steel pumps are fitted with ball check valves only.

#### Maximum Liquid Temperature\*

Diaphragm Material	Temperature
Buna N	180°F (82°C)
Neoprene	180°F (82°C)
Santoprene <sup>®</sup> (TPO)	180°F (82°C)
PTFE	212°F (100°C)
Hytrel <sup>®</sup> (TPEE)	248°F (120°C)
Viton <sup>®</sup> fluoroelastomer	248°F (120°C)

\*The maximum liquid temperature for metal and Kynar<sup>®</sup> fitted pumps is determined by the elastomer (diaphragm material). Polypropylene and Groundable Acetal pumps have a maximum liquid temperature of 180°F (82°C) regardless of diaphragm material.

#### **Air Supply Pressure (All Models)**

20-100 PSI (1.4-7 kfg/cm)

**Discharge Volume Per Cycle** 0.0338 gallons (128 cc)

Maximum Cycles Per Minute

All diaphragms: 400

Maximum Size Solid: 1/32" (1 mm)

#### **Maximum Dry Suction Lift**

Flat-type check valve: 8-feet Ball-type check valve: 5-feet

Pump Air Motor: Ryton® air motor standard

Notes: Hytrel® fitted pumps include Buna N wetted o-rings. Santoprene® fitted pumps include EPDM wetted o-rings.





**Groundable Acetal** 

Net Wt.: 9 lbs. (4 kg)

Shipping Wt.: 11 lbs.

Net Wt.: 7.7 lbs. (3.5 kg)

Shipping Wt.: 9.5 lbs.

Polypropylene

Dimensions: 8.66" W × 11.73 H"

Dimensions: 8.66" W × 11.73 H"



### Aluminum

**Dimensions:** 8.66" W × 10.71" H **Net Wt.:** 9 lbs. (4 kg) **Shipping Wt.:** 11 lbs.

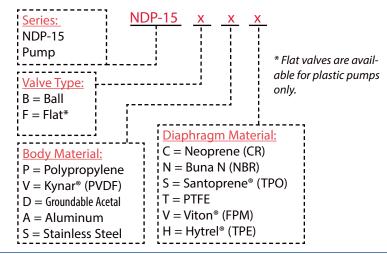
#### **Stainless Steel**

**Dimensions:** 8.31" W × 9.7" H **Net Wt.:** 13.6 lbs. (6.16 kg) **Shipping Wt.:** 15.5 lbs.

#### Kynar<sup>®</sup> (PVDF)

Dimensions: 8.66" W × 11.73" H Net Wt.: 9.4 lbs. (4.2 kg) Shipping Wt.: 11 lbs.

#### Model Number Nomenclature

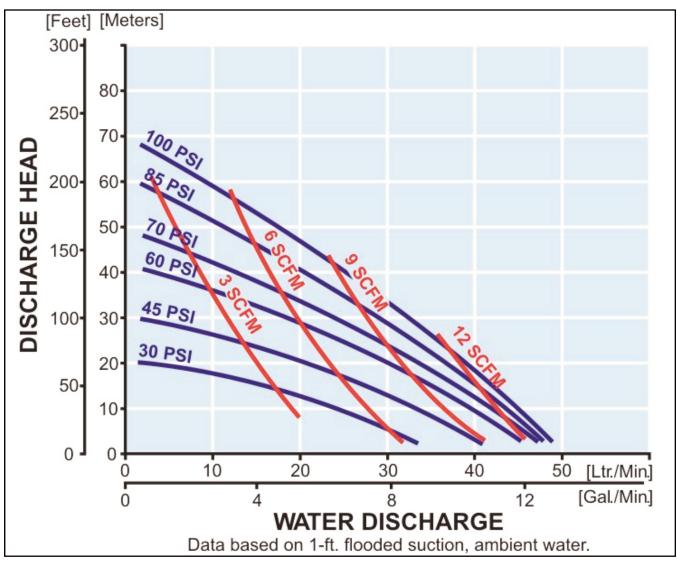




Yamada America, Inc. 955 E. Algonquin Road, Arlington Heights, IL 60005 USA Toll-Free: 800 990-7867 Phone: 847 631-9200 Fax: 847 631-9273 E-mail: sales@yamadapump.com Web: yamadapump.com

## NDP-15 Performance Curve – All Valves

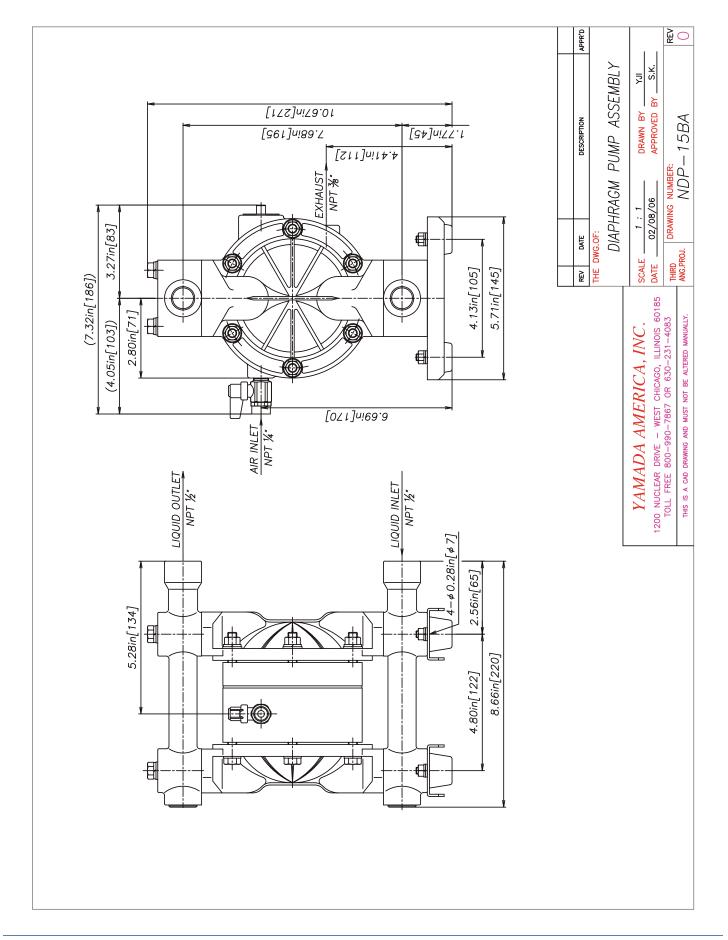
### **All Diaphragm Materials**



To calculate performance for Santoprene® and Hytrel®-fitted pumps, use Rubber Diaphragm Curve.

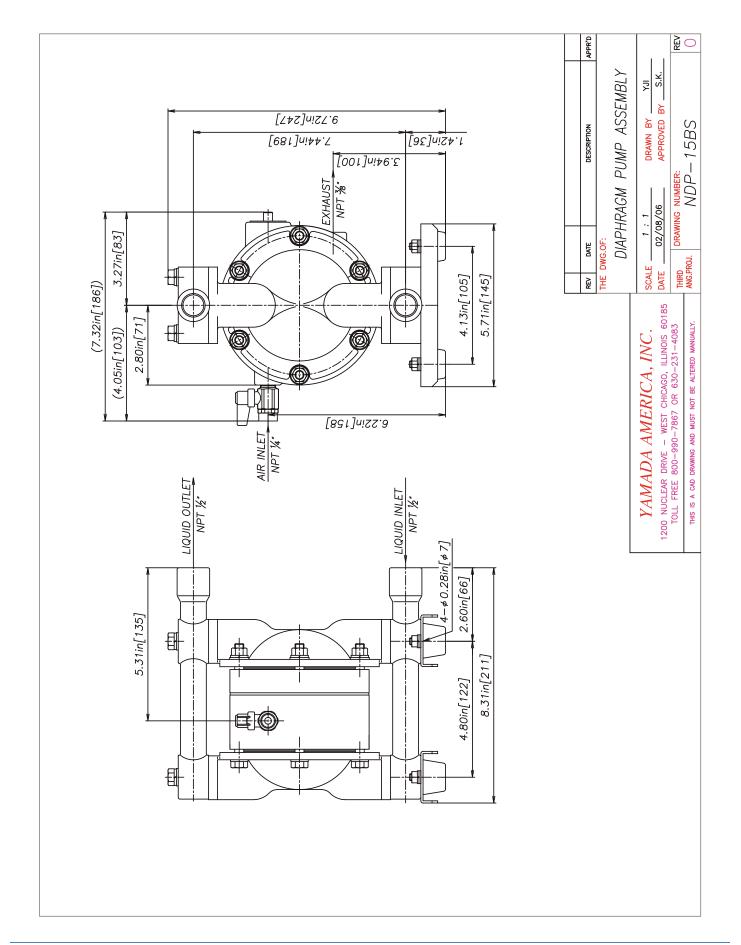


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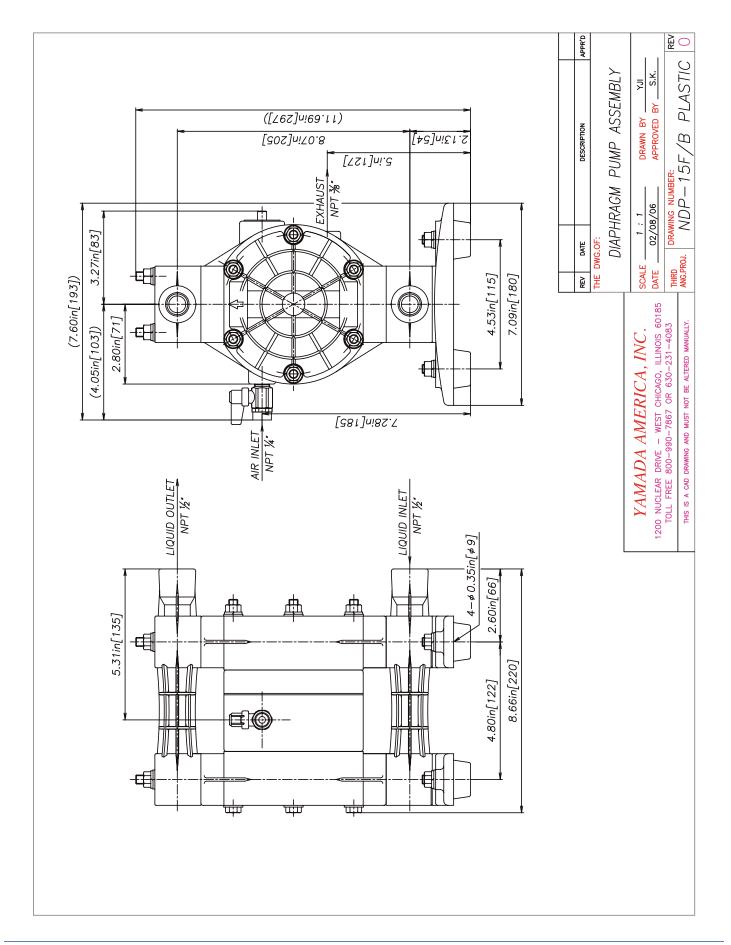


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Due to Yamada's continued commitment to product improvement, specifications may change without notice.

