

NDP-15 Specifications

Port Dimensions (13.5 GPM Max.)

Intake & discharge connection:

Polypropylene (PPG) ■	1/2" Female NPT
Kynar® (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® 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® (TPO)	180°F (82°C)
PTFE	212°F (100°C)
HytreI® (TPEE)	248°F (120°C)
Viton® fluoroelastomer	248°F (120°C)

*The maximum liquid temperature for metal and Kynar® 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 kgf/cm)

Discharge Volume Per Cycle

0.0338 gallons (128 cc)

Maximum Cycles Per Minute

All diaphragms: 400

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

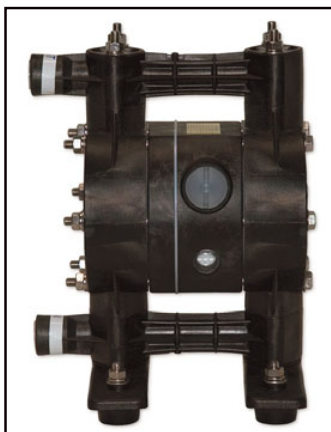
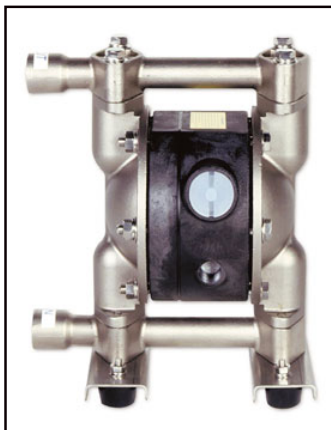
Maximum Dry Suction Lift

Flat-type check valve: 8-feet

Ball-type check valve: 5-feet

Pump Air Motor: Ryton® air motor standard

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



Aluminum

Dimensions: 8.66"Lx5.71"Wx10.67"H

Net Wt.: 9.04 lbs.

Shipping Wt.: 11.04 lbs.

Stainless Steel

Dimensions: 8.31"Lx5.71"Wx9.72"H

Net Wt.: 13.9 lbs.

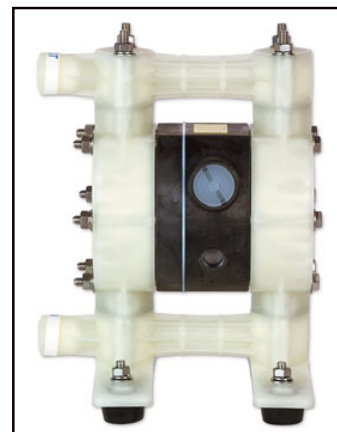
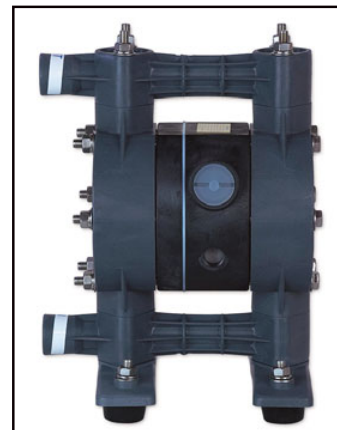
Shipping Wt.: 15.9 lbs.

Kynar® (PVDF)

Dimensions: 8.66"Lx7.09"Wx11.69"H

Net Wt.: 9.46 lbs.

Shipping Wt.: 11.46 lbs.



Groundable Acetal

Dimensions: 8.66"Lx7.09"Wx11.69"H

Net Wt.: 9.46 lbs.

Shipping Wt.: 11.46 lbs.

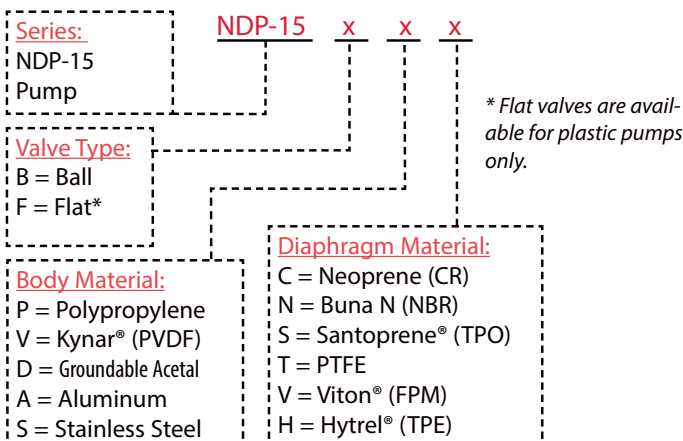
Polypropylene

Dimensions: 8.66"Lx7.09"Wx11.69"H

Net Wt.: 7.7 lbs.

Shipping Wt.: 9.5 lbs.

Model Number Nomenclature



Yamada
Form: NDP-15 Series Data Sheet-020526

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

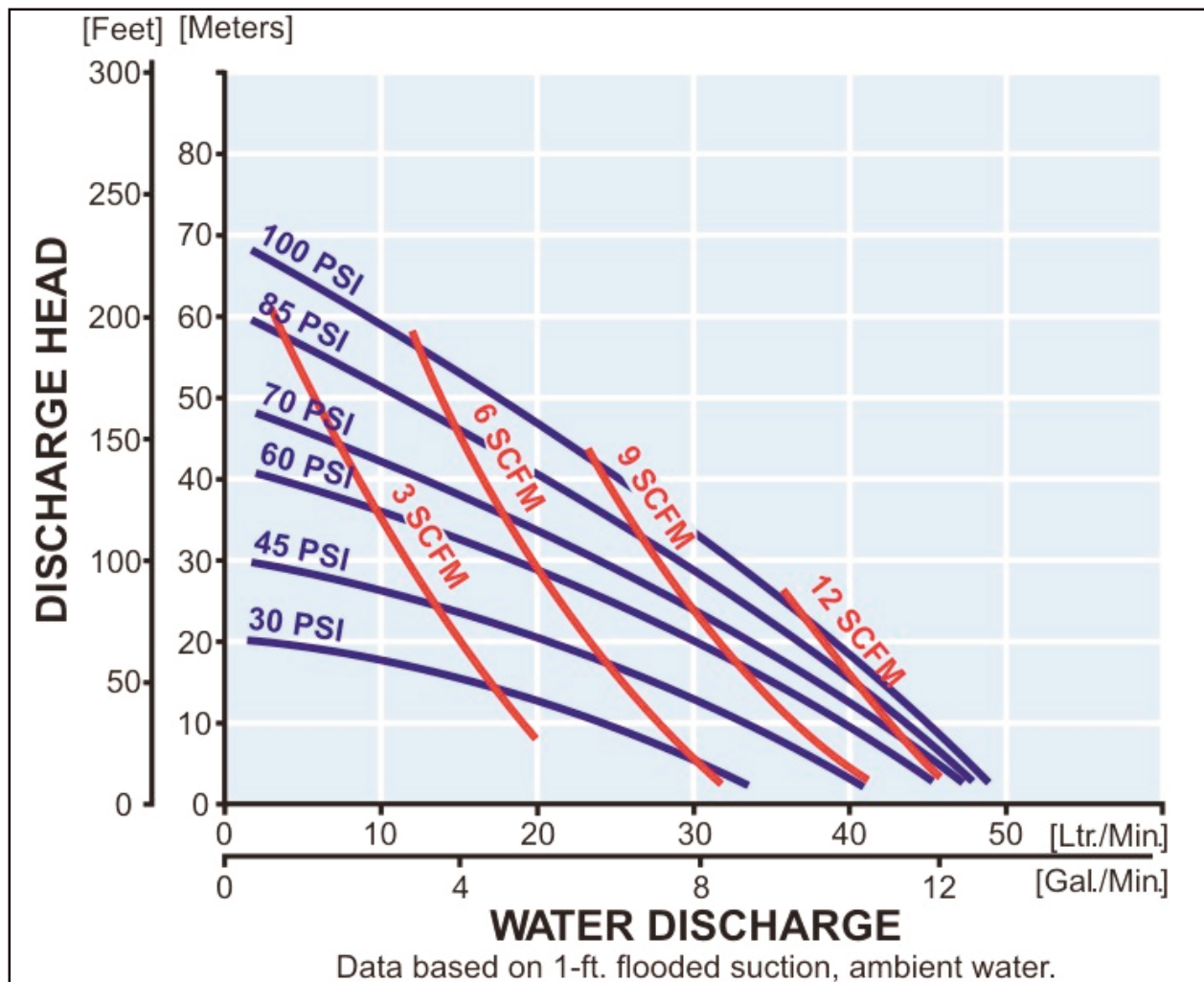


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NDP-15 Performance Curve – All Valves

All Diaphragm Materials



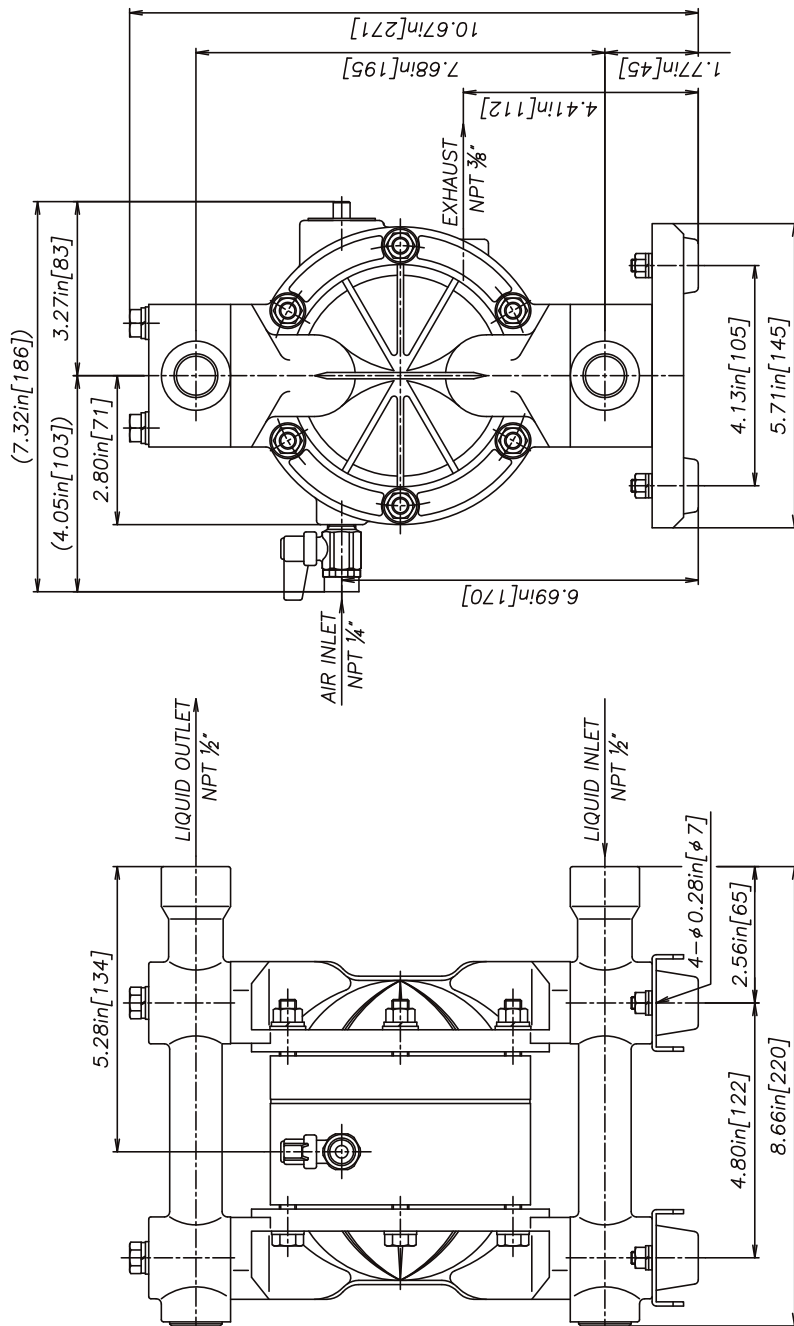
To calculate performance for Santoprene® and Hytrel®-fitted pumps, use Rubber Diaphragm Curve.

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REV	DATE	DESCRIPTION	APPR'D
THE DWG. OF:			
DIAPHRAGM PUMP ASSEMBLY			
SCALE 1 : 1			
DATE 02/08/06			
DRAWN BY YJI			
APPROVED BY S.K.			
THIRD ANG. PROJ.			
DRAWING NUMBER: NDP-15BA			
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1200 NUCLEAR DRIVE - WEST CHICAGO, ILLINOIS 60185
TOLL FREE 800-990-7867 OR 630-231-4083

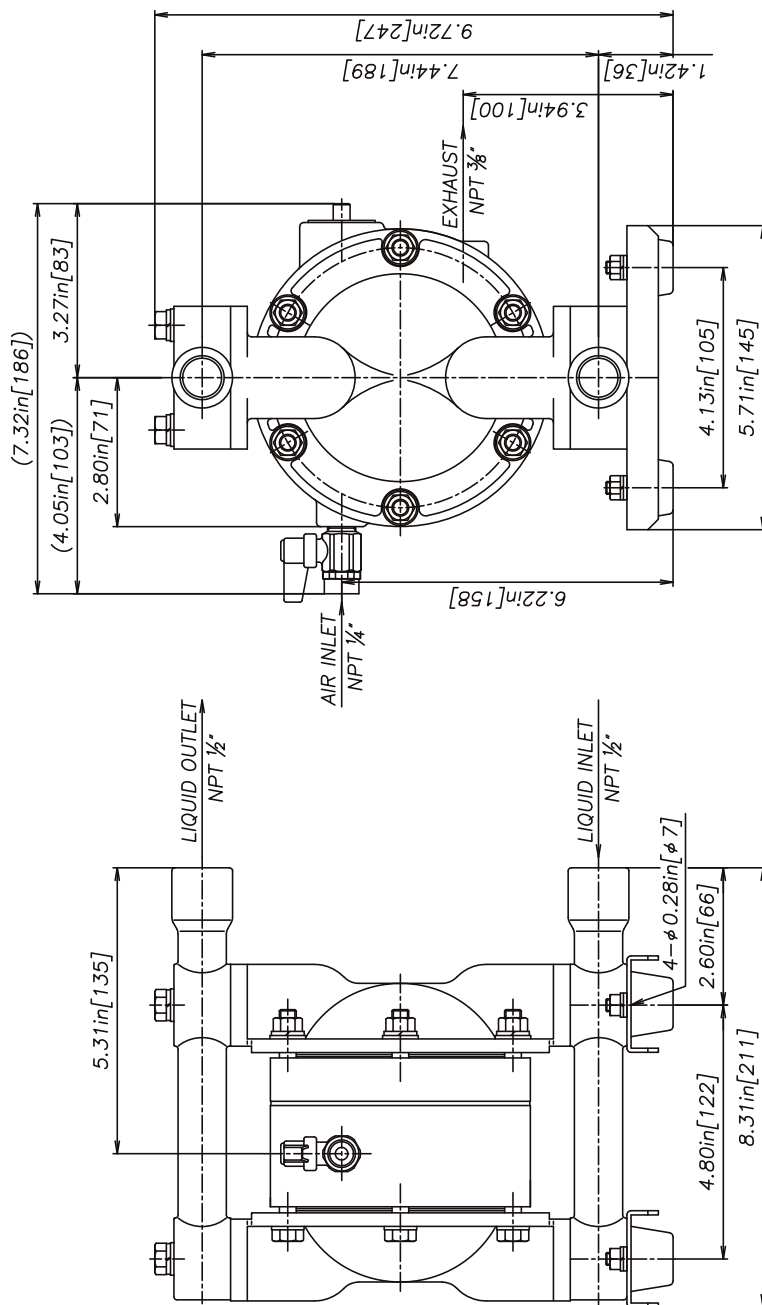
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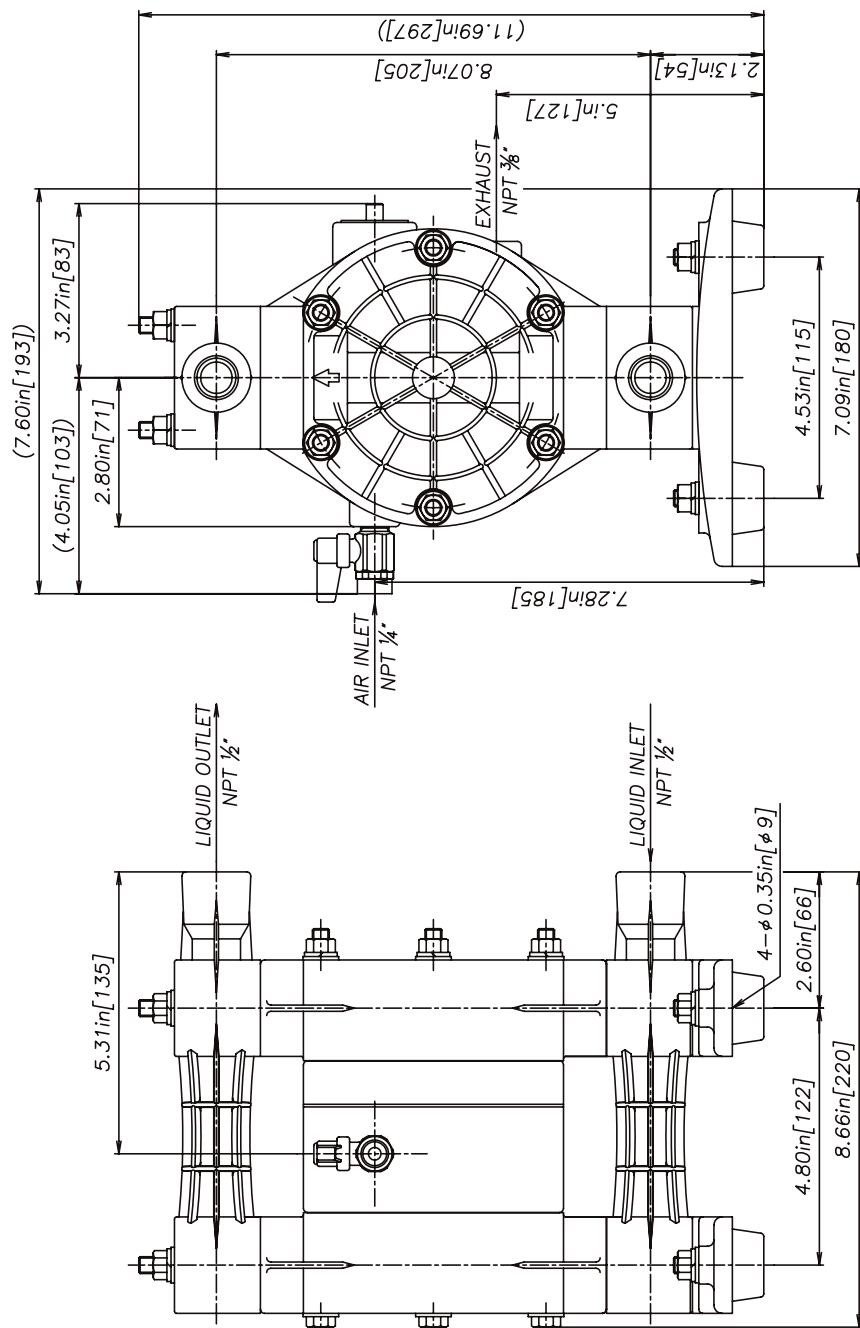
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THIRD	DRAWING NUMBER:		
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03/2025



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