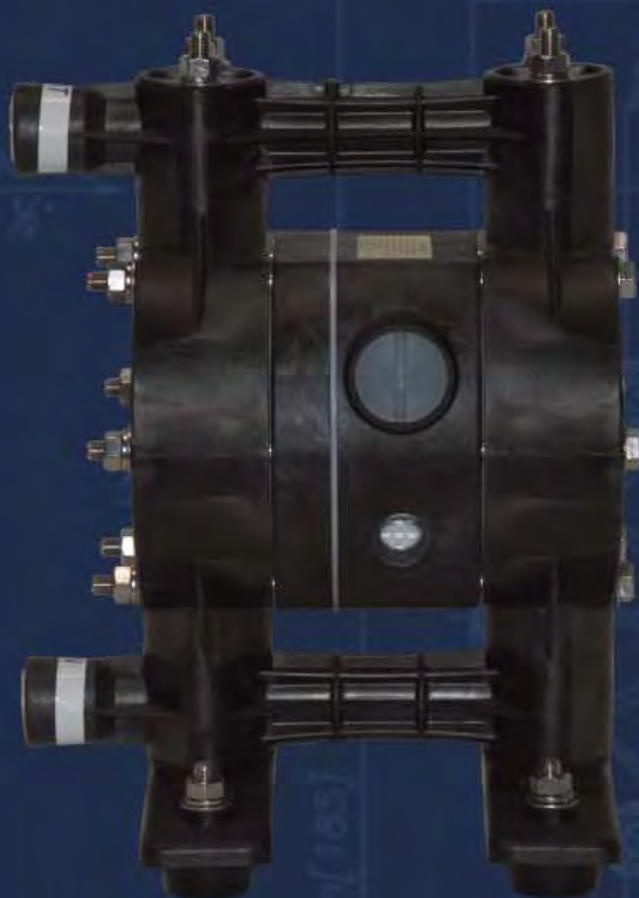
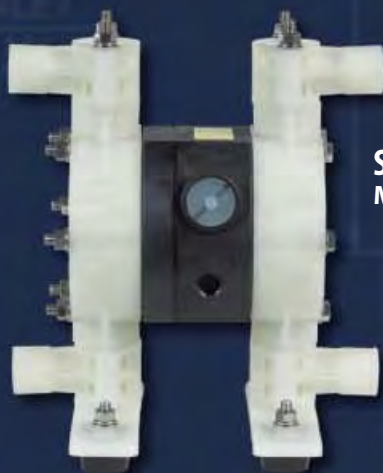


NDP-15 Series

**13.5 GPM Maximum Capacity
1/2 Inch Port Size**



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



**Split Manifold Pump
Model NDP-15FPT-Z**

Polypropylene
Dimensions:
8.66" W × 11.73" H
Net Wt.: 7.7 lbs. (3.5 kg)
Shipping Wt.: 9.5 lbs.



**Polypropylene with
Center Port Option**
Dimensions:
8.66" W × 11.73" H
Net Wt.: 7.7 lbs. (3.5 kg)
Shipping Wt.: 9.5 lbs.



Groundable Acetal
Dimensions:
8.66" W × 11.73" H
Net Wt.: 9 lbs. (4 kg)
Shipping Wt.: 11 lbs.



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.

AutoCAD® drawings are available on CD ROM or
at yamadapump.com

NDP-15 Series Specifications

Port Dimensions

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
Neoprene	180°F (82°C)
Buna N	180°F (82°C)
Hytrel® (TPEE)	248°F (120°C)
Santoprene® (TPO)	212°F (100°C)
Viton® fluoroelastomer	248°F (120°C)
Teflon® (PTFE)	212°F (100°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/cm²)

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

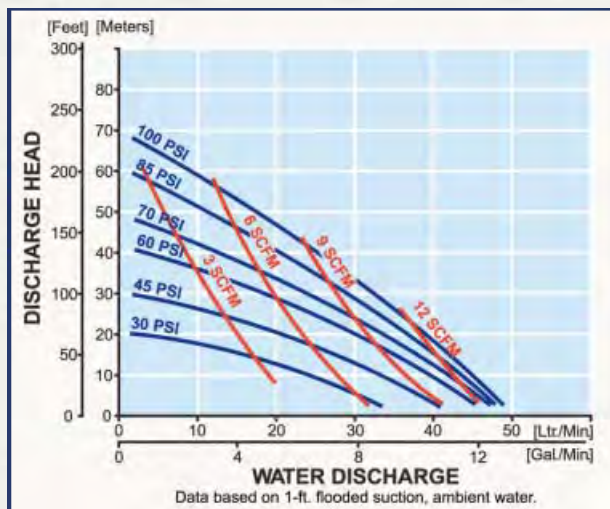
Ball-type check valve: 5-feet

Pump Air Motor: Ryton® air motor standard

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

All Diaphragm Materials

(both ball and flat check valves)



Model Number Nomenclature

Series:	NDP-15	X	X	X
NDP-15 Pump				
Valve Type:				
B = Ball				
F = Flat*				
Body Material:				
P = Polypropylene				
V = Kynar® (PVDF)				
D = Groundable Acetal				
A = Aluminum				
S = Stainless Steel				
Diaphragm Material:				
C = Neoprene (CR)				
N = Buna N (NBR)				
S = Santoprene® (TPO)				
T = Teflon® (PTFE)				
V = Viton® (FKM)				
H = Hytrel® (TPEE)				

* Flat valves are available for plastic pumps only.

NOTE: Additional options listed on page 28.

Split Manifold Pumps

By utilizing one pump, Yamada offers a design in which the inlet and outlet ports can be configured to multiple combinations; ideal for pumping or combining two similar specific gravity fluids.

Construction: Polypropylene, Aluminum, or Stainless Steel

Diaphragm: Choice of seven elastomers

Modes of operation: Dual suction with dual or single discharge; single suction with dual discharge

Contact Yamada.