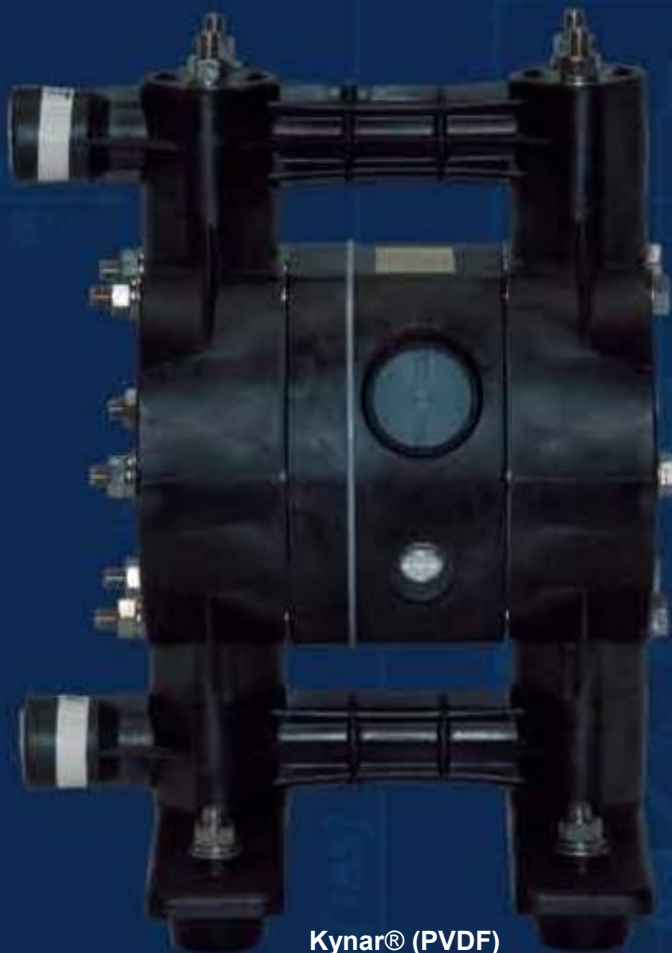


NDP-15 Series

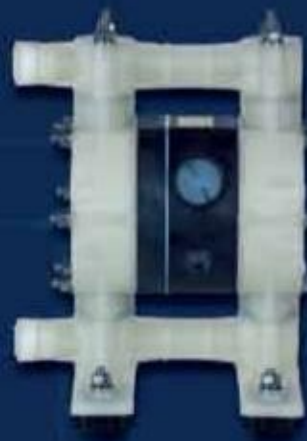
Maximum Fluid Discharge of 50L/min
Port Size 1/2



Kynar® (PVDF)

Dimensions: 220mm W x 297mm H
Net Wt.: 4.3 kg
Shipping Wt.: 5.0 kg

Polypropylene
Dimensions:
220mm W x 297mm H
Net Wt.: 3.5 kg
Shipping Wt.: 4.0 kg



Polypropylene with Center Port Option
Dimensions:
220mm W x 297mm H
Net Wt.: 3.5 kg
Shipping Wt.: 4.0 kg



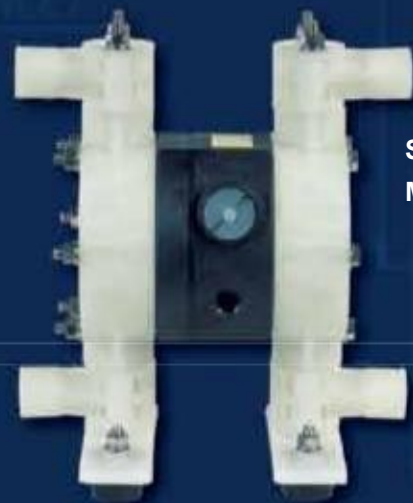
Groundable Acetal
Dimensions:
220mm W x 297mm H
Net Wt.: 3.5 kg
Shipping Wt.: 4.5 kg



Aluminum
Dimensions:
220mm W x 271mm H
Net Wt.: 4.1 kg
Shipping Wt.: 5.0 kg



Stainless Steel
Dimensions:
211mm W x 247mm H
Net Wt.: 6.3 kg
Shipping Wt.: 7.0 kg



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

AutoCAD® drawings are available
at yamadacorp.co.jp/global

NDP-15 Series Specifications

Port Dimensions

Intake & discharge connection:

Polypropylene (PPG) ■	Rc1/2
Kynar® (PVDF) ◆	Rc1/2
Groundable Acetal (POM) ◆	Rc1/2
Aluminum (ADC12) ▲	Rc1/2
Stainless Steel (SCS14) ▲	Rc1/2
Air inlet (includes ball valve):	Rc1/4
Air exhaust (internal silencer):	Rc3/8

■ 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 (CR)	70°C
Buna N (NBR)	70°C
Hytrel® (TPEE)	80°C
Santoprene® (TPO)	100°C
Teflon® (PTFE)	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 60°C regardless of diaphragm material.

Air Supply Pressure (All Models)

0.2–0.7MPa

Discharge Volume Per Cycle

70mL

Maximum Cycles Per Minute

All diaphragms: 400

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

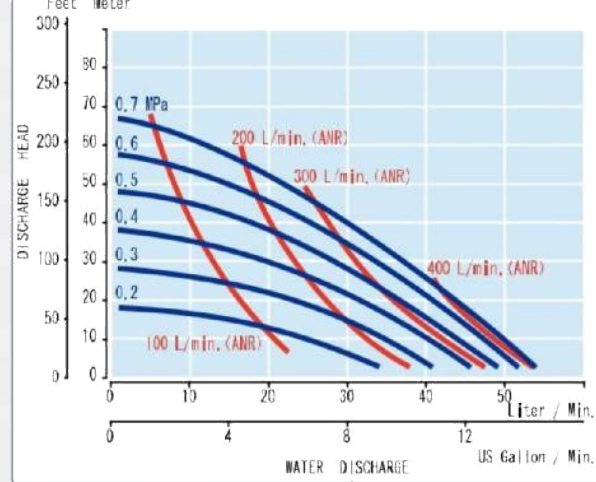
Maximum Dry Suction Lift

Flat-type check valve: 2.4M

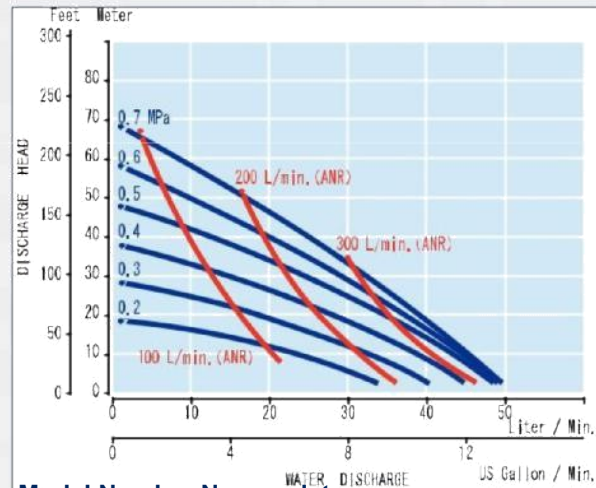
Ball-type check valve: 1.5M

Pump Air Motor: Ryton® air motor standard

Rubber Diaphragm Performance Curve



PTFE Diaphragm Performance Curve



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)
H = Hytrel® (TPEE)

* Flat valves are available for plastic pumps only.