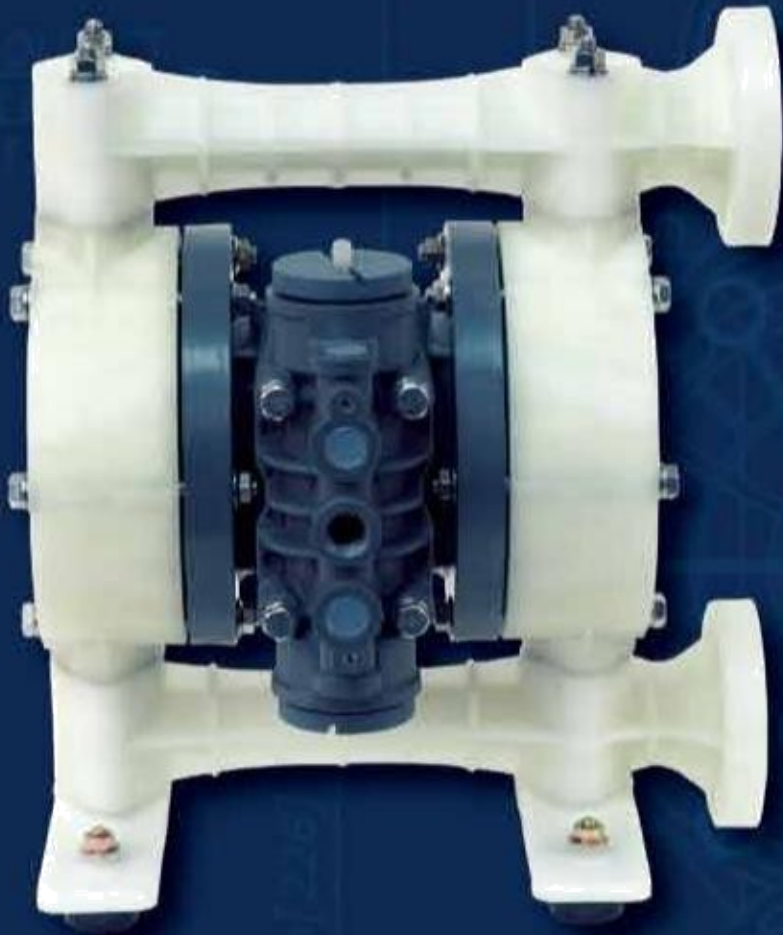


NDP-25 Series

Maximum Fluid Discharge of 160L/min
Port Size 1



Polypropylene –JIS Flange
Dimensions: 366mm W x 442mm H
Net Wt.: 11.0 kg
Shipping Wt.: 14.0kg

Polypropylene–Rc
Dimensions:
367mm W x 429mm H
Net Wt.: 11.0 kg
Shipping Wt.: 14.0 kg



Kynar® (PVDF)–Rc
Dimensions:
365mm W x 429mm H
Net Wt.: 13.5 kg
Shipping Wt.: 15.5 kg



**Kynar® (PVDF)–
JIS Flange**
Dimensions:
364mm W x 440mm H
Net Wt.: 13.5 kg
Shipping Wt.: 15.0 kg



Aluminum
Dimensions: 287mm W x 375mm H
Net Wt.: 13.0 kg
Shipping Wt.: 15.0 kg

Stainless Steel
Dimensions: 281mm W x 375mm H
Net Wt.: 20.0 kg
Shipping Wt.: 20.9 kg

Cast Iron
Dimensions: 286mm W x 375mm H
Net Wt.: 20.0 kg
Shipping Wt.: 22.0 kg



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

NDP-25 Series Specifications

Port Dimensions

Intake & discharge connection:

Polypropylene (PPG)	Rc1
Kynar® (PVDF)	Rc1
Aluminum (ADC12)	Rc1
Stainless Steel (SCS14)	Rc1
Cast Iron	Rc1
Air inlet (incl. ball valve):	Rc3/8
Air exhaust (incl. silencer):	Rc3/4

ANSI Flange also available — consult Yamada.

Maximum Liquid Temperature*

Diaphragm Material	Temperature
Neoprene (CR)	70°C
Buna N (NBR)	70°C
EPDM	80°C
Hytrel® (TPEE)	100°C
Santoprene® (TPO)	100°C
Viton® fluoroelastomer (FKM)	100°C
Teflon® (PTFE)	100°C

*The maximum liquid temperature for metal and Kynar®-fitted pumps is determined by the elastomer (diaphragm material). Polypropylene 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

Rubber diaphragm: 600mL
PTFE diaphragm: 500mL

Maximum Cycles Per Minute

Rubber diaphragm: 210
PTFE diaphragm: 210

Maximum Size Solid

3/16" (4.8 mm)

Maximum Dry Suction Lift

Rubber-fitted pump capability: 5.5M

Air Motors: Aluminum air motors are standard on metal pumps; glass-filled polypropylene air motors are standard on plastic and Kynar® pumps. Optional

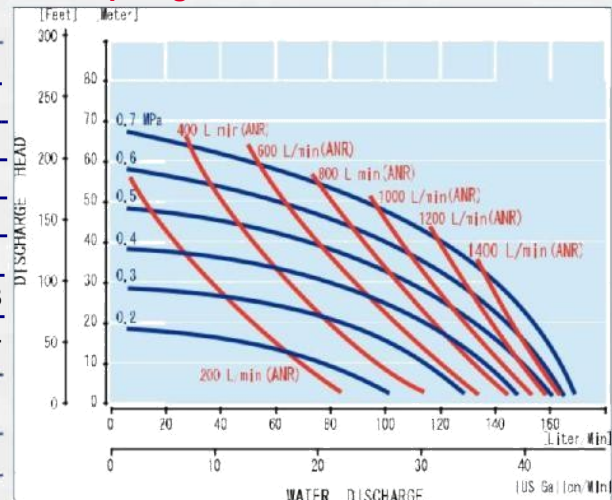
Optional Split Manifold— contact Yamada

[Ltr./Min.]
[Gal./Min.]

WATER DISCHARGE

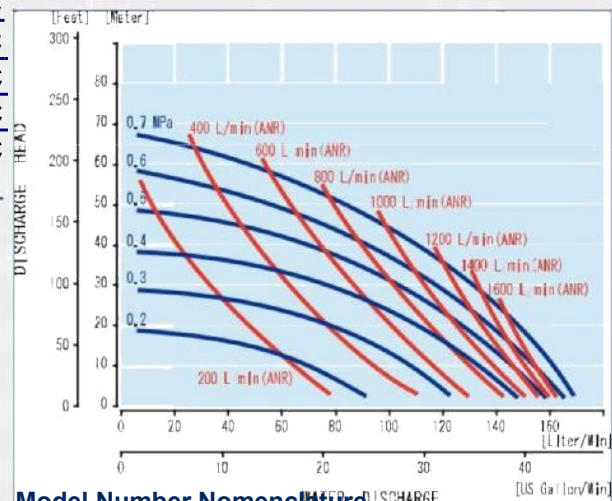
Data based on 1 ft. flooded suction, ambient water.

Rubber Diaphragm Performance Curve

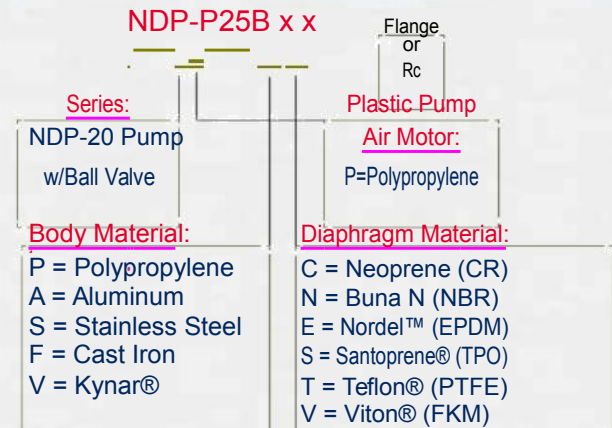


To calculate performance for Santoprene® and Hytrel®-fitted pumps, use Rubber Diaphragm Curve.

PTFE Diaphragm Performance Curve



Model Number Nomenclature



By looking at the nearest dashed line (), it is determined the pump will require approximately 2500 L/min(ANR) of air volume.

