

NDP-20 Series

Maximum Fluid Discharge of 100L/min
Port Size 3/4



Aluminum

Dimensions: 249mm W x 317mm H

Net Wt.: 9.0 kg

Shipping Wt.: 11.0 kg

Stainless Steel

Dimensions: 245mm W x 315mm H

Net Wt.: 14.0 kg

Shipping Wt.: 15.0 kg



Polypropylene-Rc

Dimensions: 316mm W x 368mm H

Net Wt.: 8.0 kg

Shipping Wt.: 9.0 kg



Polypropylene-JIS Flange

Dimensions: 316mm W x 374mm H

Net Wt.: 8.0 kg

Shipping Wt.: 9.0 kg

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

NDP-20 Series Specifications

Port Dimensions

Intake & discharge connection:

Polypropylene (PPG)	Rc3/4
Aluminum (ADC12)	Rc3/4
Stainless Steel (316)	Rc3/4
Air inlet (incl. ball valve):	Rc1/4
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
HytreI® (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: 350mL

PTFE diaphragm: 240mL

Maximum Cycles Per Minute

Rubber diaphragm: 195

PTFE diaphragm: 195

Maximum Size Solid

1/16" (2.0 mm)

Maximum Dry Suction Lift

Rubber-fitted pump capability: 5.5m

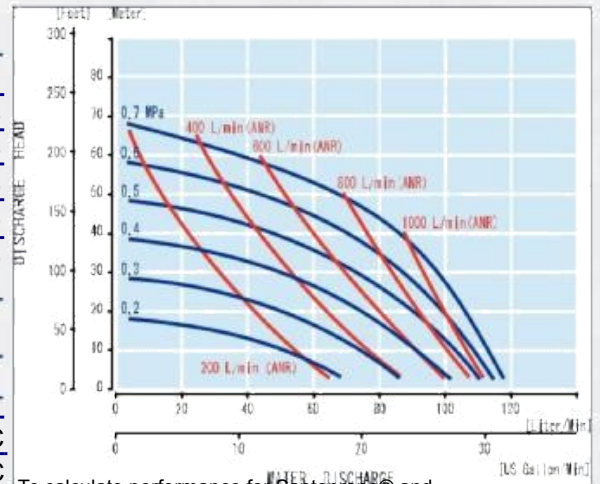
Air Motors

Aluminum air motors are standard on metal pumps; glass-filled polypropylene air motors are standard on plastic pumps.

Optional air motors: Epoxy-coated, Teflon®-coated, Electroless Nickel Plate, aluminum and glass-filled polypropylene.

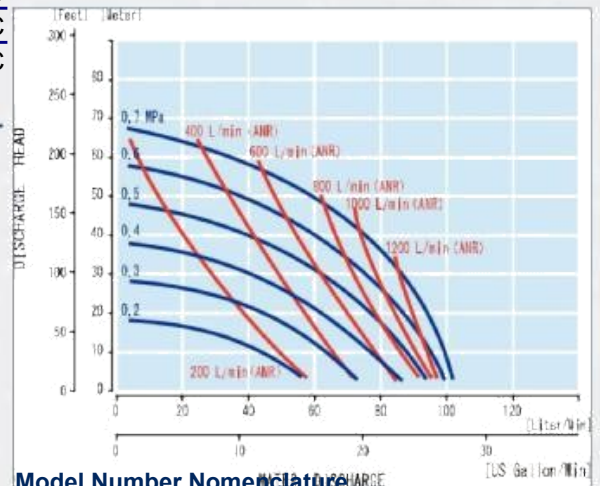
Optional Split Manifold— contact Yamada

Rubber Diaphragm Performance Curve



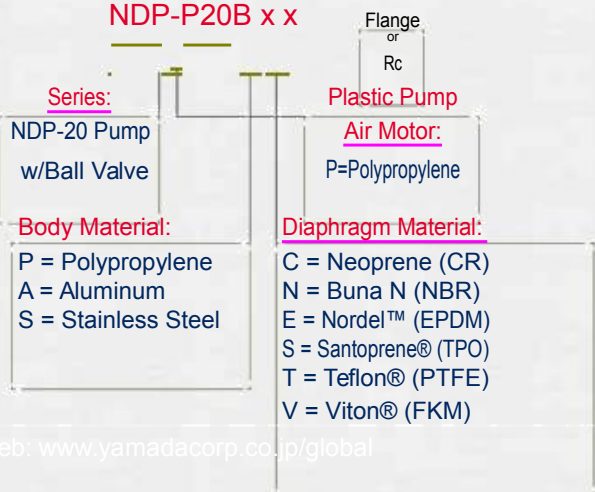
To calculate performance for Santoprene® and HytreI®-fitted pumps, use Rubber Diaphragm Curve.

PTFE Diaphragm Performance Curve



Model Number Nomenclature

NDP-P20B x x



Web: www.yamadacorp.co.jp/global