

# NDP-50 SERIES

Maximum Capacity 620 l/min  
Port Size 2 Inch (50 mm)



## NDP-50 Cast-iron

Dimensions: 450 mm W x 776 mm H  
Net Wt.: 64,0 kg  
Shipping Wt.: 76,0 kg

## NDP-50 Aluminum

Dimensions:  
452 mm W x 779 mm H  
Net Wt.: 36,0 kg  
Shipping Wt.: 48,0 kg

## NDP-50 Stainless Steel

Dimensions:  
450 mm W x 782 mm H  
Net Wt.: 63,0 kg  
Shipping Wt.: 75,0 kg

## NDP-P50 Polypropylene

Dimensions:  
472 mm W x 821 mm H  
Net Wt.: 37,0 kg  
Shipping Wt.: 49,0 kg

## NDP-50 Conductive Kynar® (PVDF)

Dimensions:  
472 mm W x 821 mm H  
Net Wt.: 42,0 kg  
Shipping Wt.: 54,0 kg



# NDP-50 SERIES SPECIFICATIONS

## Port Dimensions

Intake & discharge connection:

Polypropylene (PPG)	2" 50 mm DN50 PN10
Conductive Kynar® (PVDF)	2" 50 mm DN50 PN10
Aluminum (ADC-12)	2" 50 mm DN50 PN10

(Combi Flange with tapped 2" 50 mm Female Rc)

Electro-Polished	
Stainless Steel (316)	2" 50 mm DN50 PN10
Cast Iron	2" 50 mm Female Rc
Air inlet (incl. ball valve):	3/4" 20 mm Female Rc
Air exhaust (incl. silencer):	1" 25 mm Female Rc

Notes: Flange connections are equivalent to DN 50 PN 10 and JIS 10K 50A and ANSI 150 2

## Air Supply Pressure (All Models)

1,4 – 7 Bar (0,14 – 0,7 MPa)

## Discharge Volume Per Cycle

Rubber diaphragm: 4,25 liters

PTFE diaphragm: 2,61 liters

## Maximum Cycles Per Minute

Rubber diaphragm: 146

PTFE diaphragm: 220

## Maximum Size Solid

8,0 mm (5/16")

## Maximum Dry Suction Lift

Rubber-fitted pump capability: 5,8 m

## Air Motor

Standard: PPG for Polypropylene pumps

Standard: Aluminum for all others.

Optional: Teflon®-coated

Optional for all pumps standard fitted with aluminum motor is the PPG motor.

## Notes:

Hytel®-fitted pumps include Buna-N wetted o-rings.

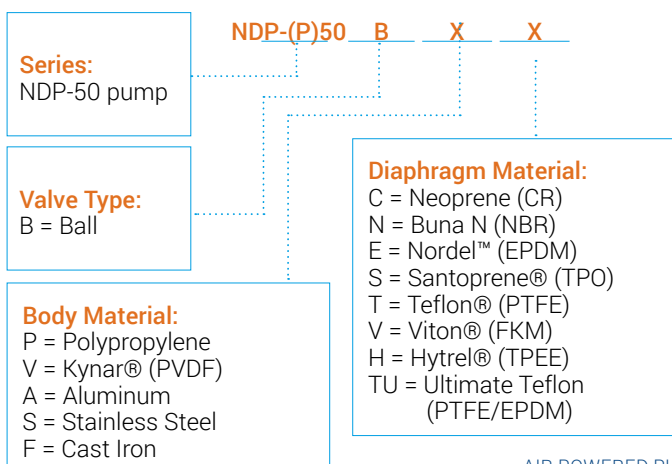
Santoprene®-fitted pumps include EPDM wetted o-rings.

Kynar® (PVDF) pumps:

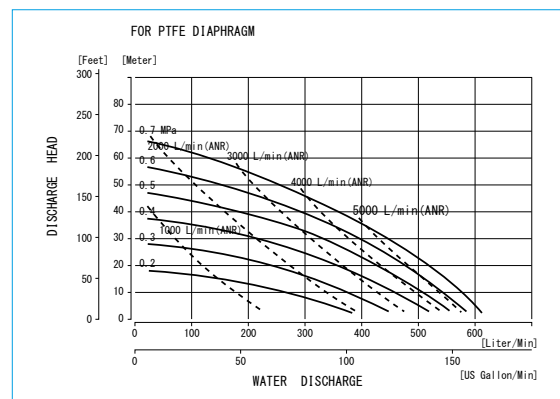
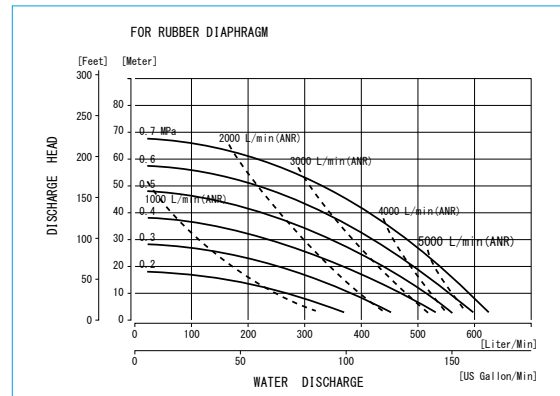
fitted with Santoprene® includes: santoprene balls and PTFE o-rings.

fitted with Hytel® includes: hytel balls and PTFE o-rings.

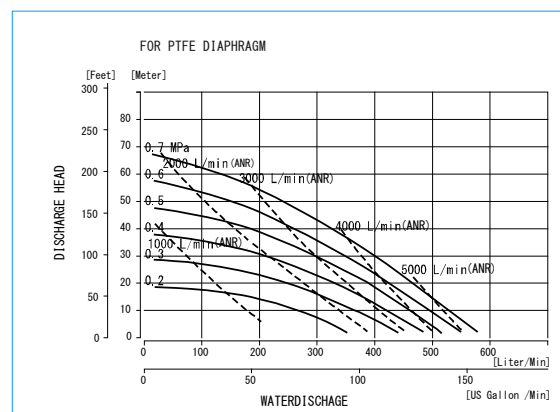
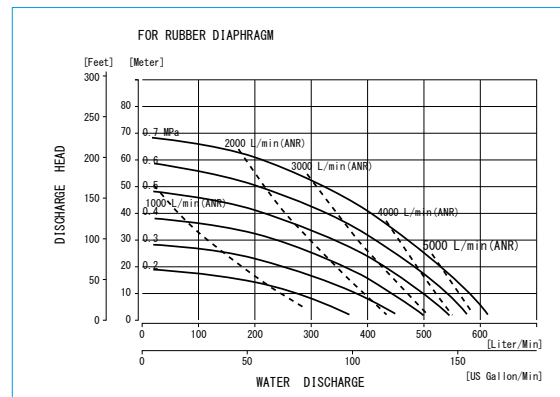
## Model Number Nomenclature



## Metal pump Performance Curve



## Plastic Pump Performance Curve



Additional options listed on page 41.