

# 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-50 Polypropylene

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

## NDP-50 Groundable 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                            |
| Groundable 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: Aluminum

Optional: Teflon®-coated, or Electroless Nickel Plate

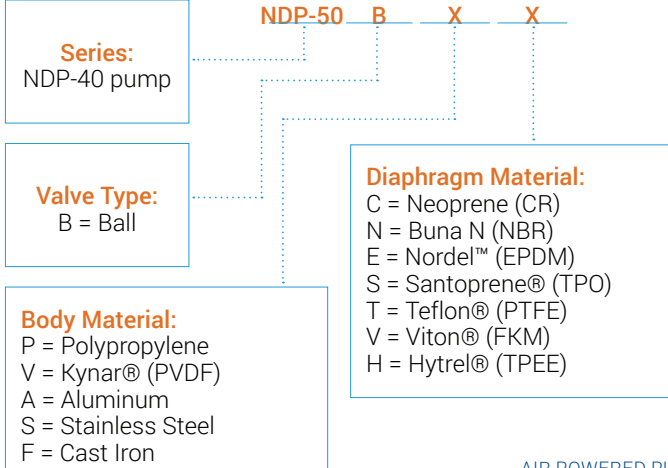
## Notes:

All Polypropylene, Aluminum, Cast Iron, and SS Hytrel® fitted pumps include Buna-N wetted o-rings.

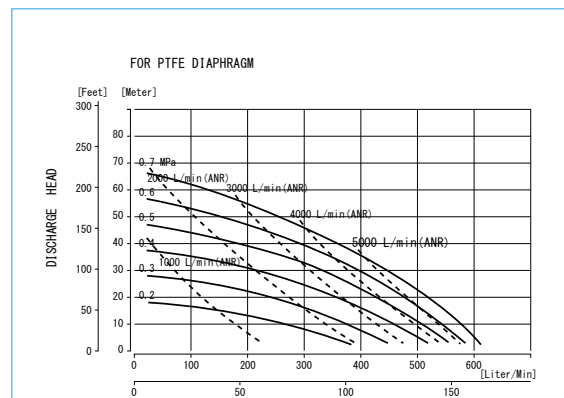
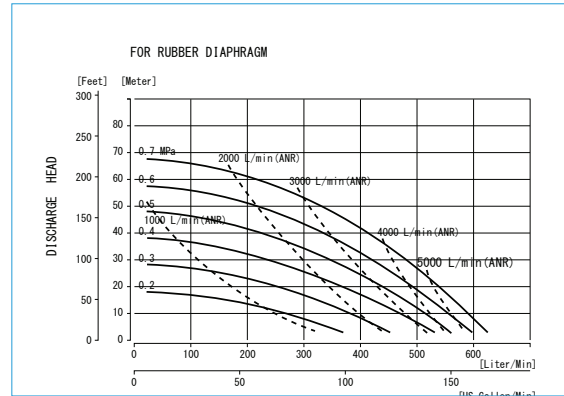
Santoprene® fitted pumps include EPDM wetted o-rings.

Kynar® (PVDF) pumps fitted with Santoprene® include Santoprene® check balls & PTFE o-rings, Hytrel®, or Teflon® include Teflon® check balls & o-rings.

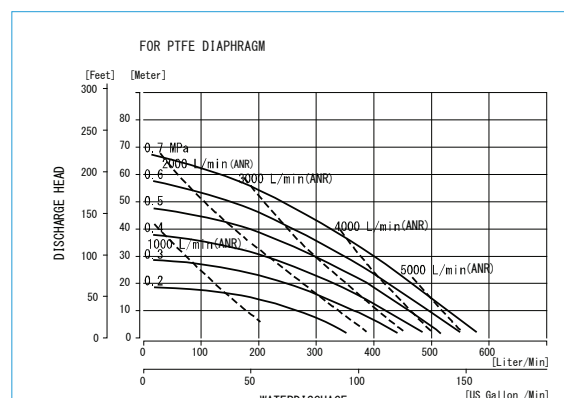
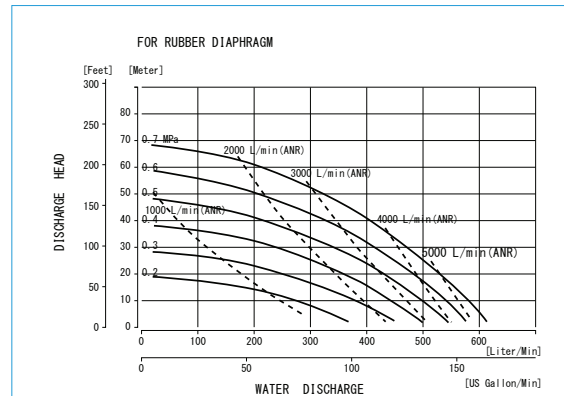
## Model Number Nomenclature



## Metalpump Performance Curve



## Plastic Pump Performance Curve



Additional options listed on page 35.