

# DP Series Specifications

## DP-10 Port Dimensions (6 GPM Max.)

Intake & discharge connection:

|                       |                 |
|-----------------------|-----------------|
| Polypropylene (PPG)   | 3/8" Female NPT |
| Aluminum (ADC-12)     | 3/8" Female NPT |
| Stainless Steel (316) | 3/8" Female NPT |

## DP-15 Port Dimensions (7.4 GPM Max.)

Intake & discharge connection:

|                     |                 |
|---------------------|-----------------|
| Polypropylene (PPG) | 1/2" Female NPT |
| Groundable Acetal   | 1/2" Female NPT |

## Air Inlet/Exhaust

|                               |                 |
|-------------------------------|-----------------|
| Air inlet (incl. ball valve): | 1/4" Female NPT |
| Air exhaust (incl. silencer): | 3/8" Female NPT |

## Maximum Liquid Temperature\*

| Diaphragm Material     | Temperature   |
|------------------------|---------------|
| Neoprene               | 180°F (82°C)  |
| Buna N                 | 180°F (82°C)  |
| Hytrel® (TPC-ET)       | 248°F (120°C) |
| Santoprene® (TPE)      | 212°F (100°C) |
| Viton® fluoroelastomer | 248°F (120°C) |
| Teflon® (PTFE)         | 212°F (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 180°F (82°C) regardless of diaphragm material.

## Air Supply Pressure (All Models)

20–100 PSI (1.4–7 kfg/cm)

## Discharge Volume Per Cycle

DP-10: 0.020 gallons (76 cc)

DP-15: 0.025 gallons (93 cc)

## Maximum Cycles Per Minute

All diaphragms: 300

## Maximum Size Solid

1/32" (1 mm)

## Maximum Dry Suction Lift

All diaphragms: 10-feet

## Aluminum Air Motor–Standard

Optional: Epoxy-coated, Teflon®-coated, or Electroless Nickel Plate

Notes: Hytrel®-fitted pumps include Buna N check balls & wetted o-rings. Santoprene®-fitted pumps include EPDM check balls & wetted o-rings.



DP-10

### Aluminum

Dimensions: 7.32" W × 9.49" H

Net Wt.: 7.9 lbs. (3.6 kg)

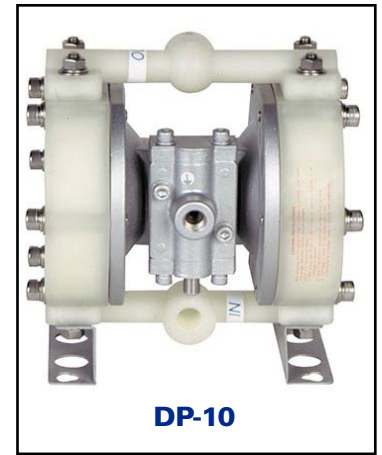
Shipping Wt.: 9.9 lbs.

### Stainless Steel

Dimensions: 7.32" W × 9.49" H

Net Wt.: 11.7 lbs. (5.3 kg)

Shipping Wt.: 13.7 lbs.



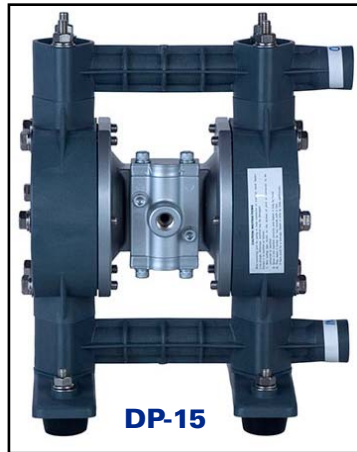
DP-10

### Polypropylene

Dimensions: 7.72" W × 7.72" H

Net Wt.: 6.8 lbs. (3.1 kg)

Shipping Wt.: 8.8 lbs.



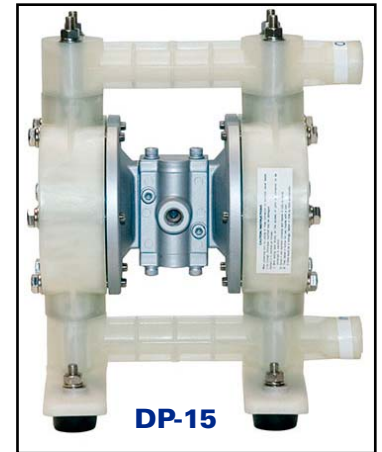
DP-15

### Groundable Acetal

Dimensions: 9.68" W × 11.69" H

Net Wt.: 9 lbs. (4 kg)

Shipping Wt.: 12 lbs.



DP-15

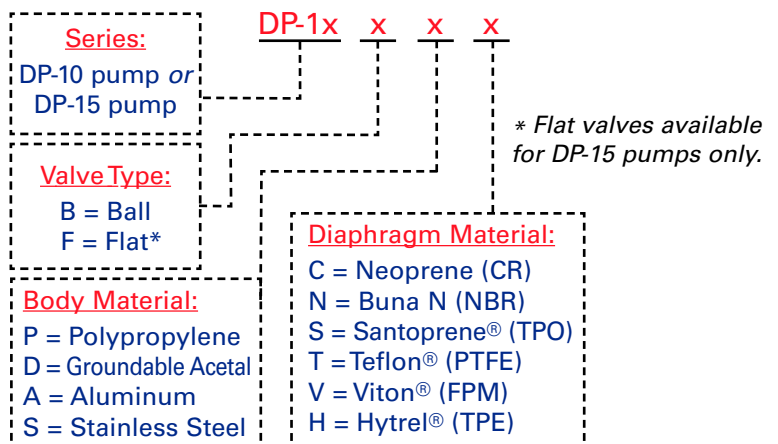
### Polypropylene

Dimensions: 9.68" W × 11.69" H

Net Wt.: 9 lbs. (4 kg)

Shipping Wt.: 12 lbs.

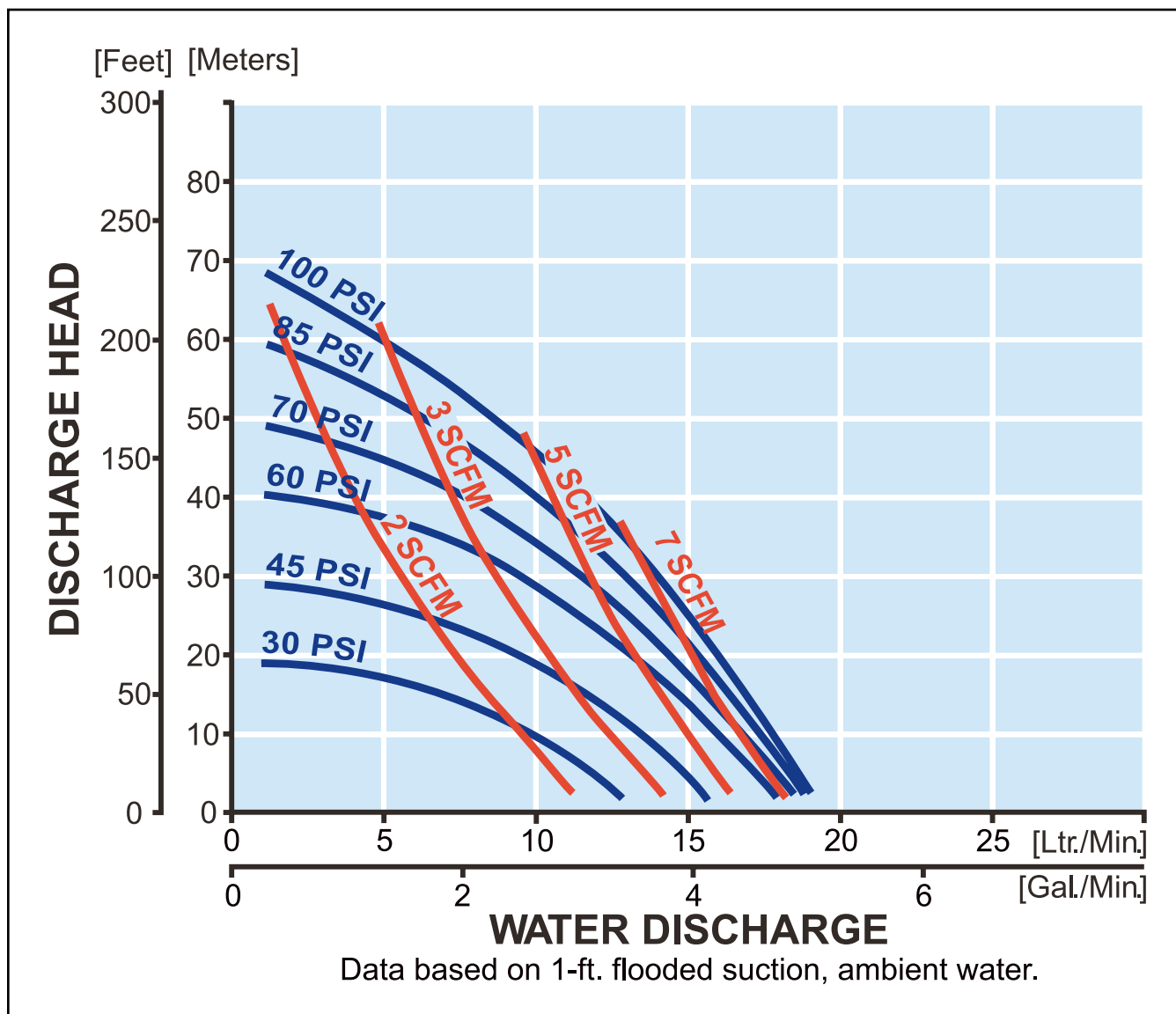
## Model Number Nomenclature



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# DP-10 Performance Curve

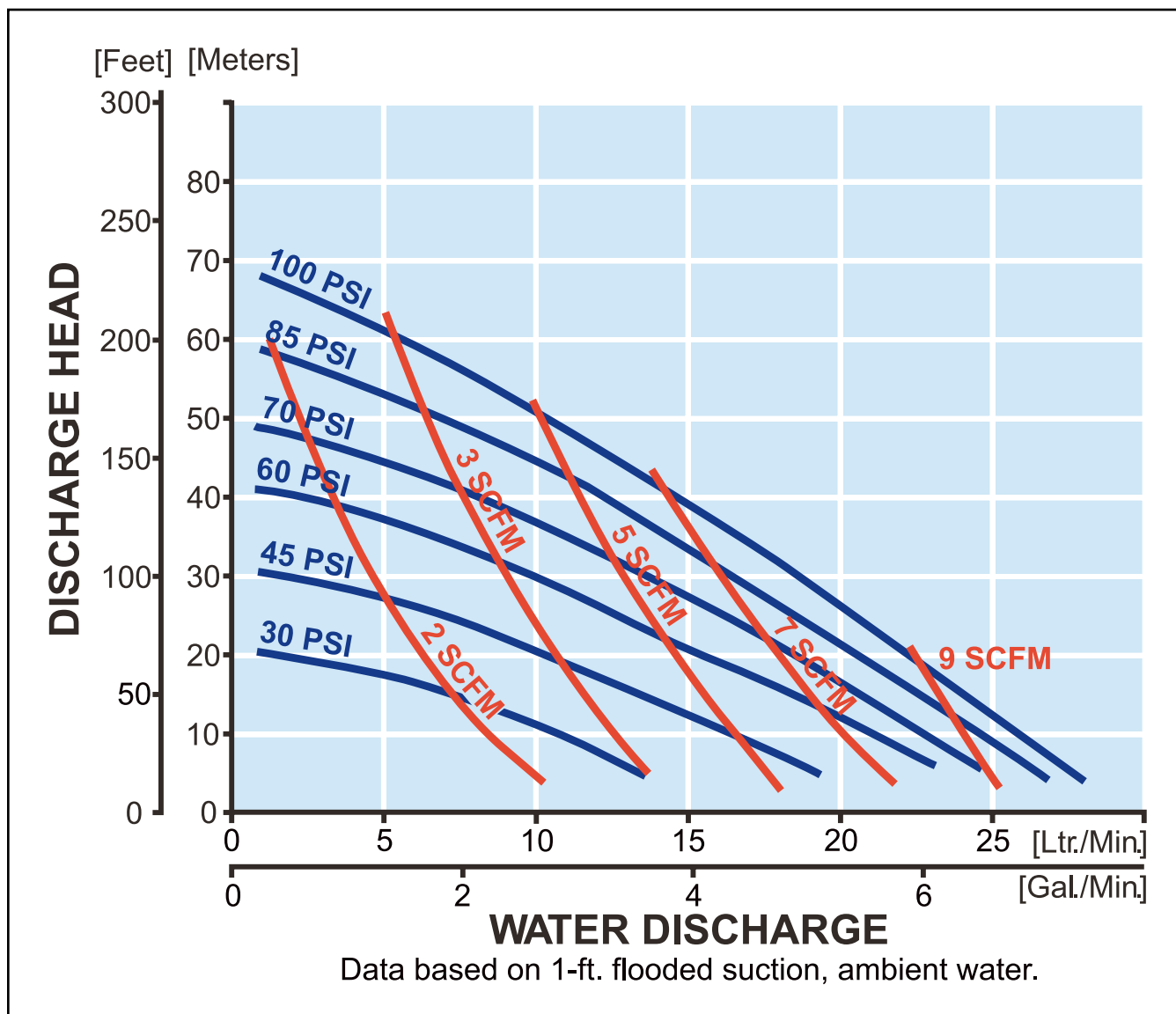
## All Diaphragm Materials



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

# DP-15 Performance Curve

## All Diaphragm Materials



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