

DP-10 Series / DP-15 Series

6 GPM Maximum Capacity
3/8 Inch Port Size



DP-10 Aluminum
Dimensions: 7.32" W × 9.49" H
Net Wt.: 7.9 lbs. (3.6 kg)
Shipping Wt.: 9.9 lbs.

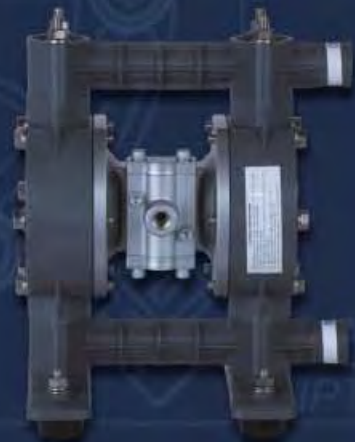
DP-10 Stainless Steel
Dimensions: 7.32" W × 9.49" H
Net Wt.: 11.7 lbs. (5.3 kg)
Shipping Wt.: 13.7 lbs.

7.4 GPM Maximum Capacity
1/2 Inch Port Size

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.



AutoCAD® drawings are available on CD ROM or
at yamadapump.com

DP-10/15 Series Specifications

DP-10 Port Dimensions

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

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® (TPEE)	248°F (120°C)
Santoprene® (TPO)	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 kgf/cm²)

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

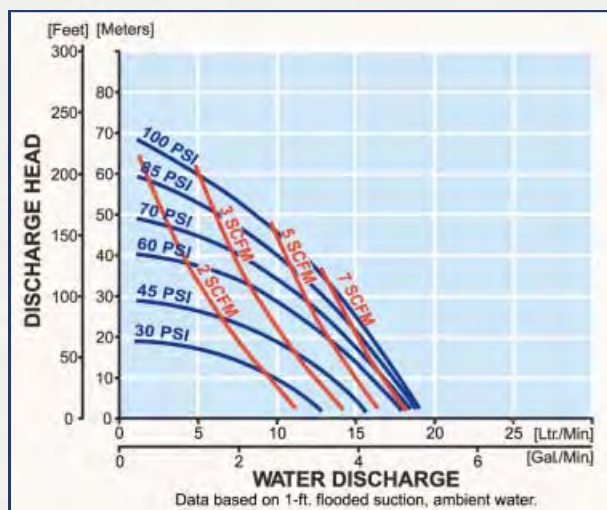
Aluminum Air Motor–Standard

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

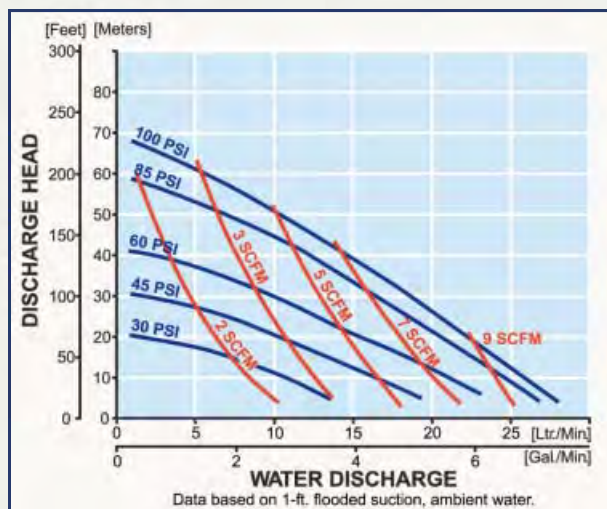
Optional Split Manifold–contact Yamada

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

DP-10 Series Performance Curve



DP-15 Series Performance Curve



Model Number Nomenclature

Series:	DP-1x	x	x	x
DP-10 pump or DP-15 pump				
Valve Type:				
B = Ball				
F = Flat*				
Body Material:				
P = Polypropylene				
D = Groundable Acetal				
A = Aluminum				
S = Stainless Steel				
Diaphragm Material:				
C = Neoprene (CR)				
N = Buna N (NBR)				
S = Santoprene® (TPO)				
T = Teflon® (PTFE)				
V = Viton® (FKM)				
H = Hytrel® (TPEE)				

* Flat valves available for DP-15 pumps only.

NOTE: Additional options listed on page 28.