

AODD Diaphragm Pump

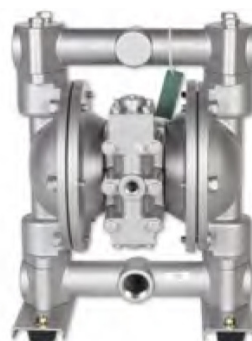
DP1A-46/DPIP-46/DPISS-46 SERIES



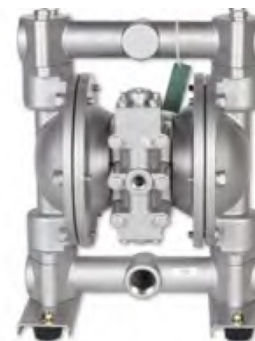
Specifications

Port Dimensions (46.2 GPM Max.)	
Intake & discharge connection:	
Polypropylene (PPG)	1" Female NPT
Aluminum (ADC-12)	1" Female NPT
Stainless Steel (316)	1" Female NPT
Air inlet (incl. ball valve):	3/8" Female NPT
Air exhaust (incl. silencer):	3/4" Female NPT
Maximum Liquid Temperature*	
Diaphragm Material	Temperature
Buna N	180°F (82°C)
Hytrel® (TPEE)	248°F (120°C)
PTFE Teflon	212°F (100°C)
Air Supply Pressure (All Models)	20-100 PSI
Discharge Volume Per Cycle	Rubber diaphragm: 0.22 gallons. PTFE Teflon diaphragm: 0.21 gallons.
Maximum Cycles Per Minute	All diaphragms: 210
Maximum Size Solid	3/16" (4.8 mm)
Maximum Dry Suction Lift	Rubber fitted pump capability: 18'
Air Motor	Aluminum air motor is standard on metal pumps. Glass-filled polypropylene air motors are standard on plastic pumps.
Valve Type	Ball

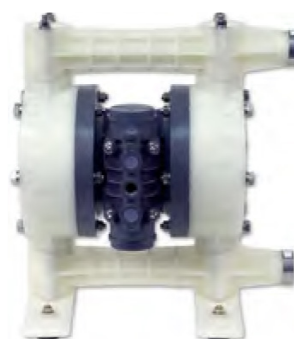
*Polypropylene pumps have a maximum liquid temperature of 180°F (82°C) regardless of diaphragm material.



Aluminum
Dimensions:
11.30"W x 15.08"H
Net Wt.: 27 lbs. (13.0 kg)
Shipping Wt.: 31 lbs



Stainless Steel
Dimensions:
11.30"W x 15.08"H
Net Wt.: 43 lbs. (19.9 kg)
Shipping Wt.: 46 lbs



Polypropylene
Dimensions:
14.40"W x 16.90"H
Net Wt.: 29 lbs. (10.9 kg)
Shipping Wt.: 30 lbs

Series Models

DP1A-46H

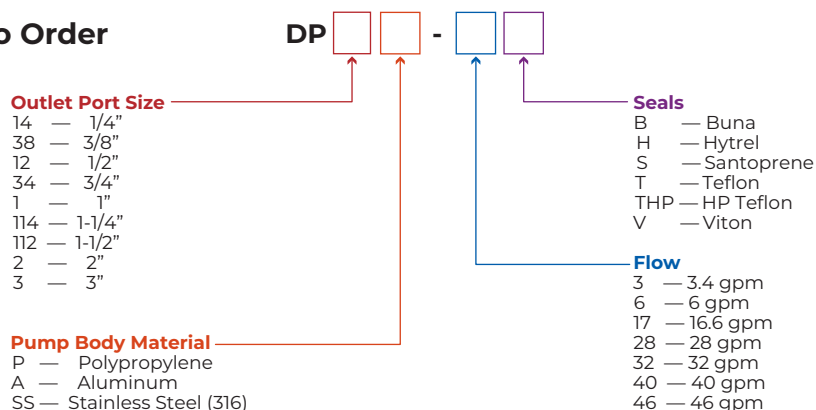
DP1A-46B

DP1A-46T

DPIP-46T

DPISS-46T

How to Order



Reference:
+ Corrosion Resistance
Guide: 36800

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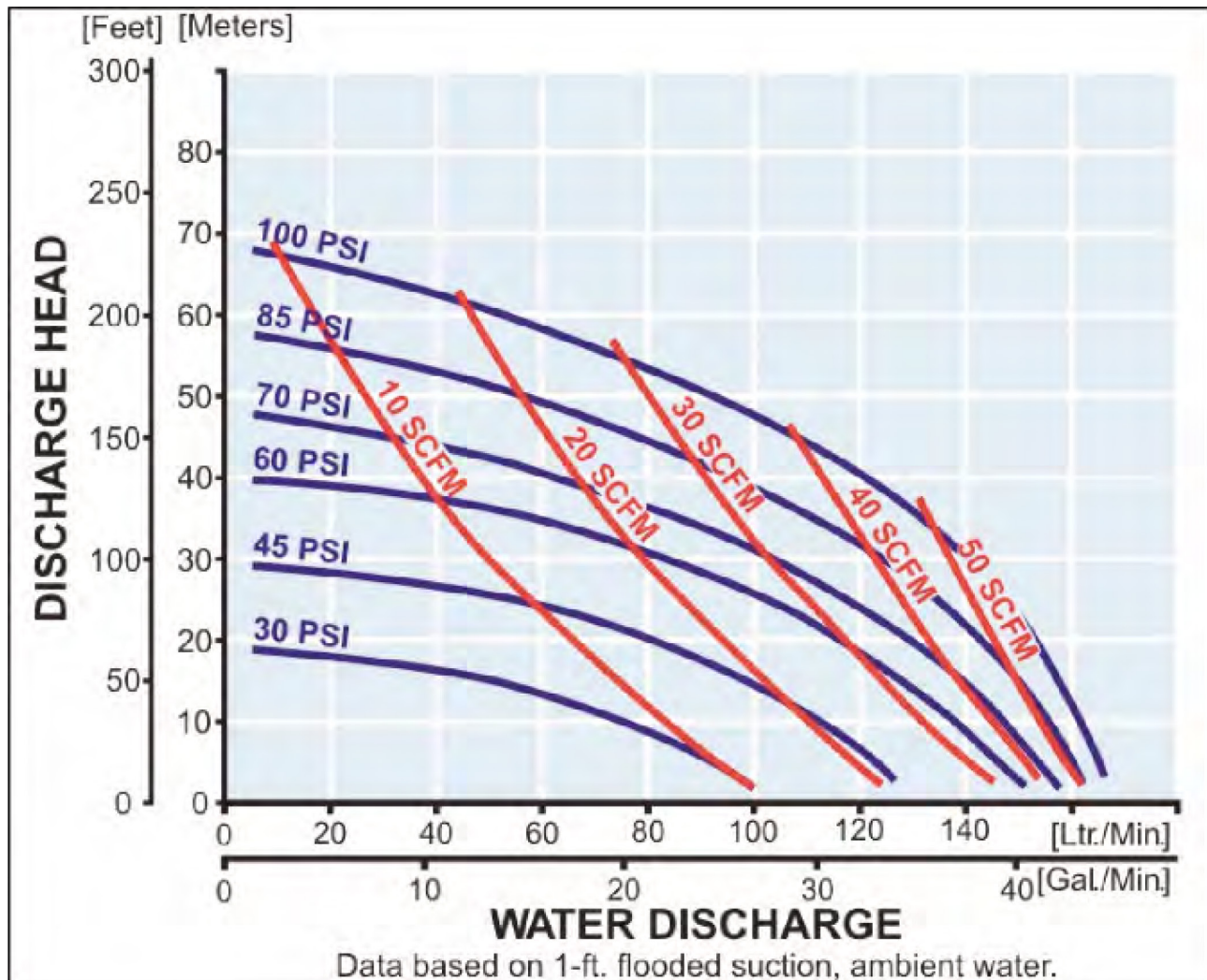
AODD Diaphragm Pump DP1A-40 SERIES



Performance Curve

DP1A-46H, DP1A-46B

Rubber Diaphragm Performance Curve



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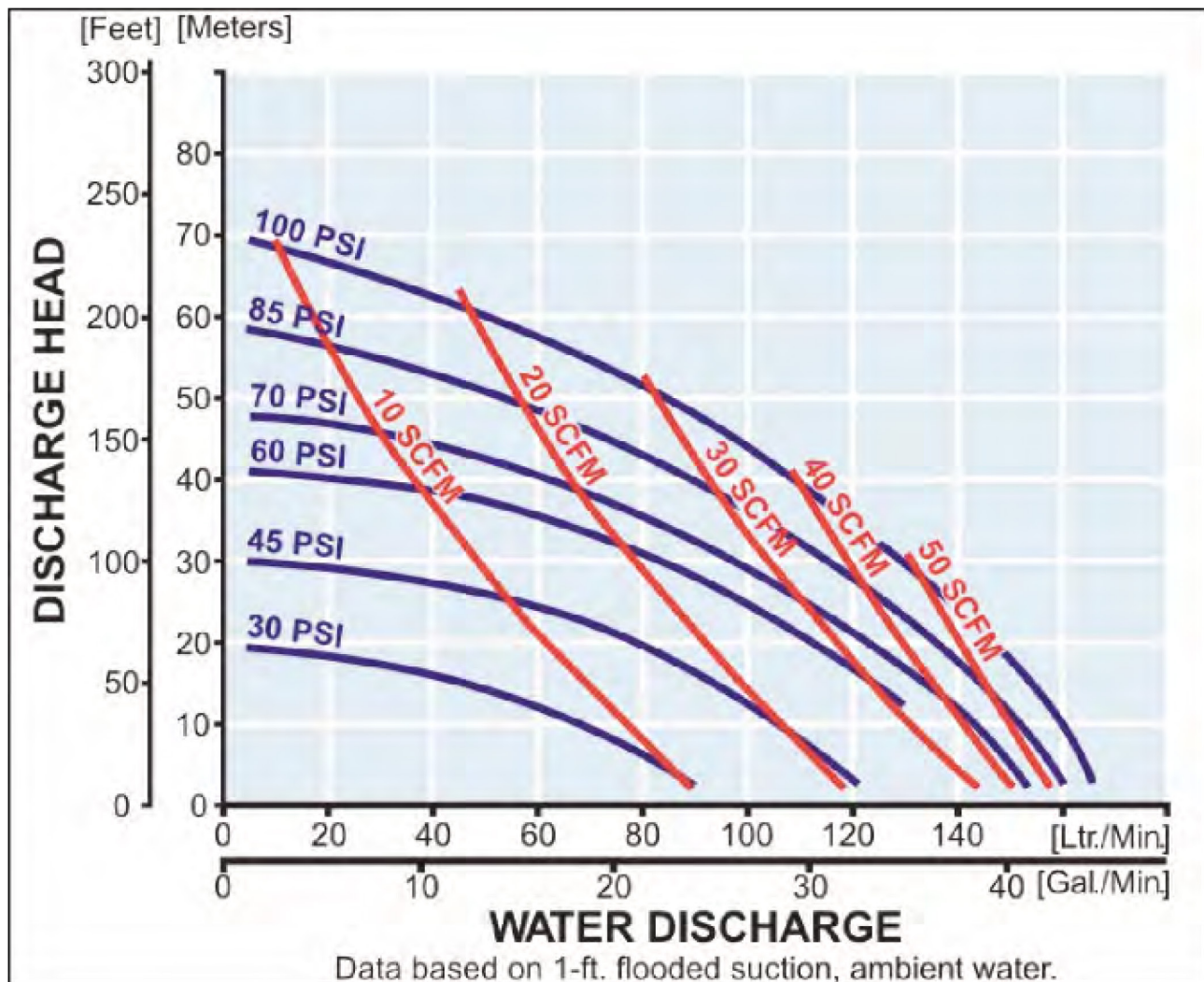
AODD Diaphragm Pump DP1A-40 SERIES



Performance Curve

DP1A-46T, DP1P-46T, DP1SS-46T

PTFE Diaphragm Performance Curve



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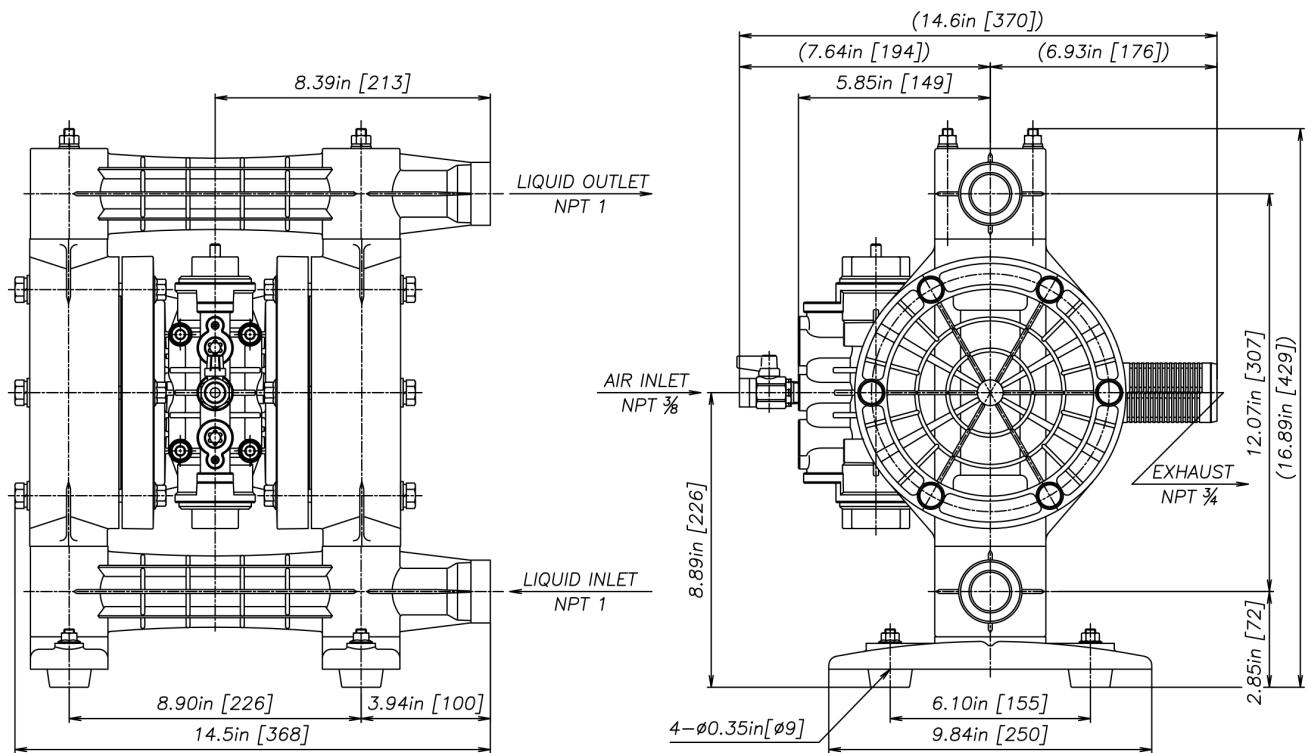
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AODD Diaphragm Pump DP1A-40 SERIES

Dimensional Drawing

DP1P-46T



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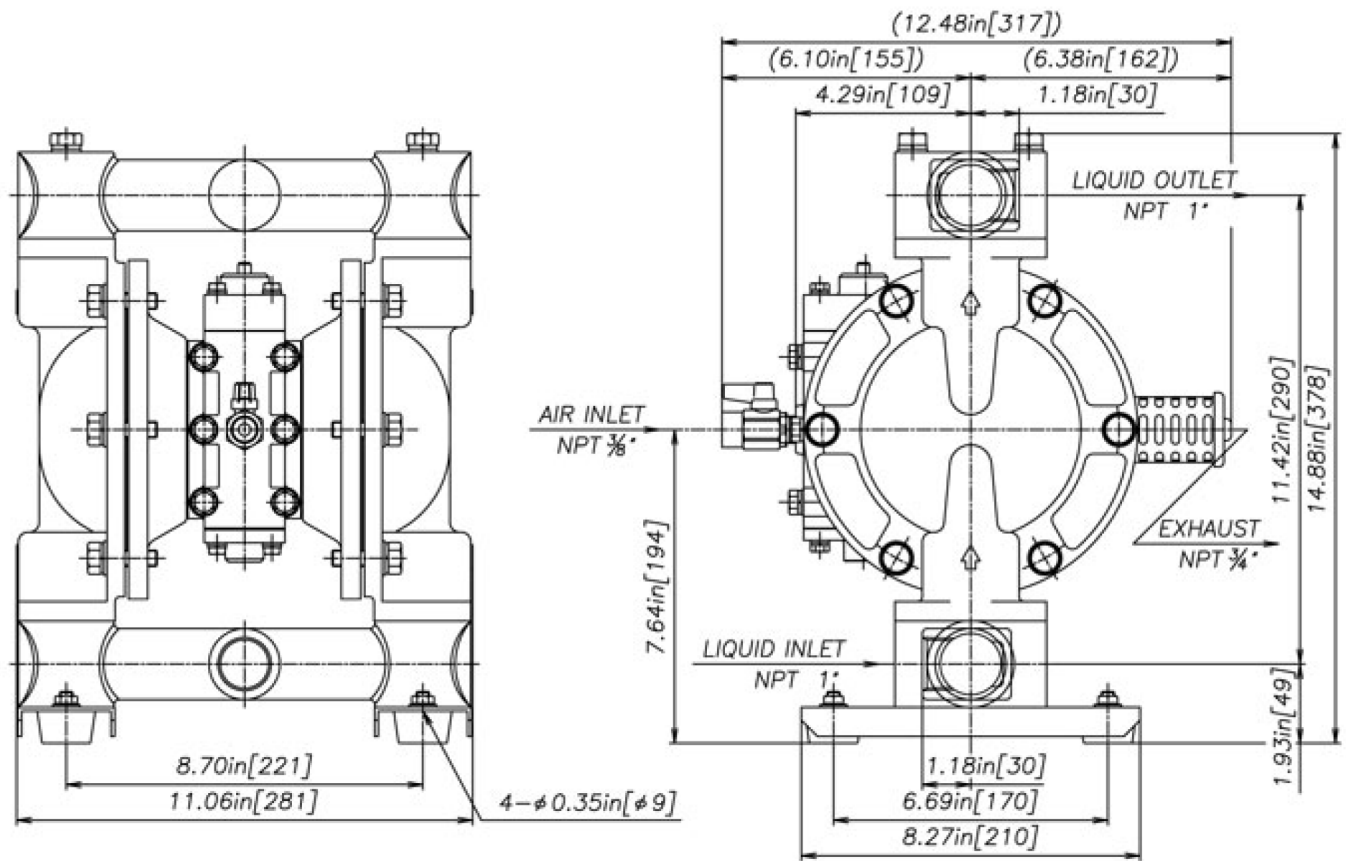
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AODD Diaphragm Pump DP1A-40 SERIES

Dimensional Drawing

DP1SS-46T



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