DP-40 Specifications

Xtreme Duty Pro XDP® *Heavy Duty*

Port Dimensions	(97 GPM Max.)
Intake & discharge connection:	
Aluminum (ADC-12)	1-1/2″ ANSI B16.5 #150 (with tapped 1-1/2″ Female NPT
Polypropylene (PPG)	1-1/2″ ANSI B16.5 #150
Stainless Steel (316)	1-1/2″ ANSI B16.5 #150 or 1-1/2″ Female NPT
Cast Iron	1-1/2″ Female NPT
Air inlet (incl. ball valve):	1/4″ Female NPT
Air exhaust (incl. silencer):	3/4″ Female NPT

Maximum Liquid Temperature*

Diaphragm Material	Temperature
Buna N	180°F (82°C)
Neoprene	180°F (82°C)
Santoprene® (TPO)	180°F (82°C)
EPDM	212°F (100°C)
PTFE	212°F (100°C)
Hytrel® (TPEE)	248°F (120°C)
Viton® fluoroelastomer	248°F (120°C)

*The maximum liquid temperature for metal pumps is determined by the elastomer (diaphragm material). Polypropylene pumps have a maximum liquid temperature of 180°F (82°C) regardless of diaphragm material.

Air Supply Pressure (All Models)

20–125 PSI (1.4–8.7 kgf/cm^2)

Discharge Volume Per Cycle

Rubber diaphragm: 0.607 gallons
PTFE diaphragm: 0.237 gallons

Maximum Cycles Per Minute

Rubber diaphragm: 370
PTFE diaphragms: 270

Maximum Size Solid 9/32″ (7 mm)

Maximum Dry Suction Lift

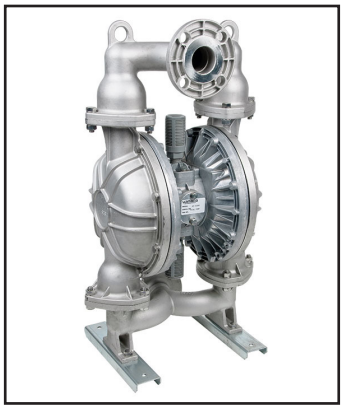
Rubber fitted pump capability: 16′
PTFE fitted pump capability: 9′

Air Motor

Aluminum air motor standard on all pumps.

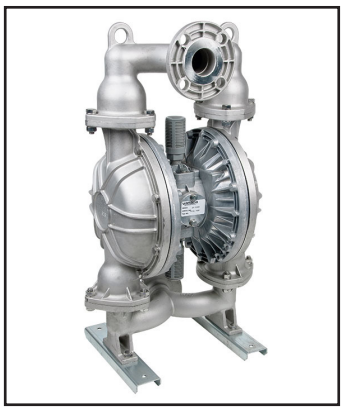
Valve Type Ball

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

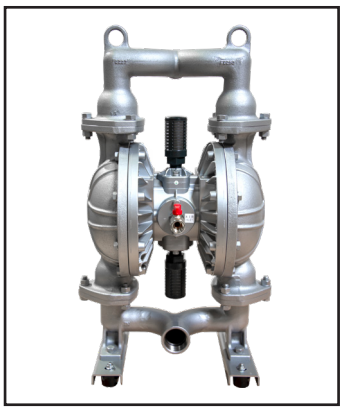


Aluminum
Dimensions:
16.20″L x 11.53″W x 27.92″H
Net Wt.: 57.3 lbs. (26 kg)
Shipping Wt.: 68 lbs.

Polypropylene
Dimensions:
15.83″L x 12.20″ W x 29.60″H
Net Wt.: 53 lbs. (24 kg)
Shipping Wt.: 63 lbs.



Stainless Steel
FLG Dimensions:
16.20″L x 11.13″W x 27.74″H
NPT Dimensions:
16.20″L x 11.13″W x 27.66″H
Net Wt.: 91.1 lbs. (41.3 kg)
Shipping Wt.: 101 lbs.



Cast Iron
Dimensions:
16.20″L x 11.16″W x 27.72″H
Net Wt.: 97 lbs. (44 kg)
Shipping Wt.: 107 lbs.

Model Number Nomenclature

DP-40 B x x - HD

Series:
DP (XDP) Pump

Valve Type:
B = Ball

Body Material:
A = Aluminum
P = Polypropylene
S = Stainless Steel
F = Cast Iron

Diaphragm Material:
C = Neoprene (CR)
E = Nordel™ (EPDM)
H = Hytrel® (TPEE)
N = Buna N (NBR)
S = Santoprene® (TPO)
T = PTFE
V = Viton® (FKM)

Body Type:
HD = Heavy Duty

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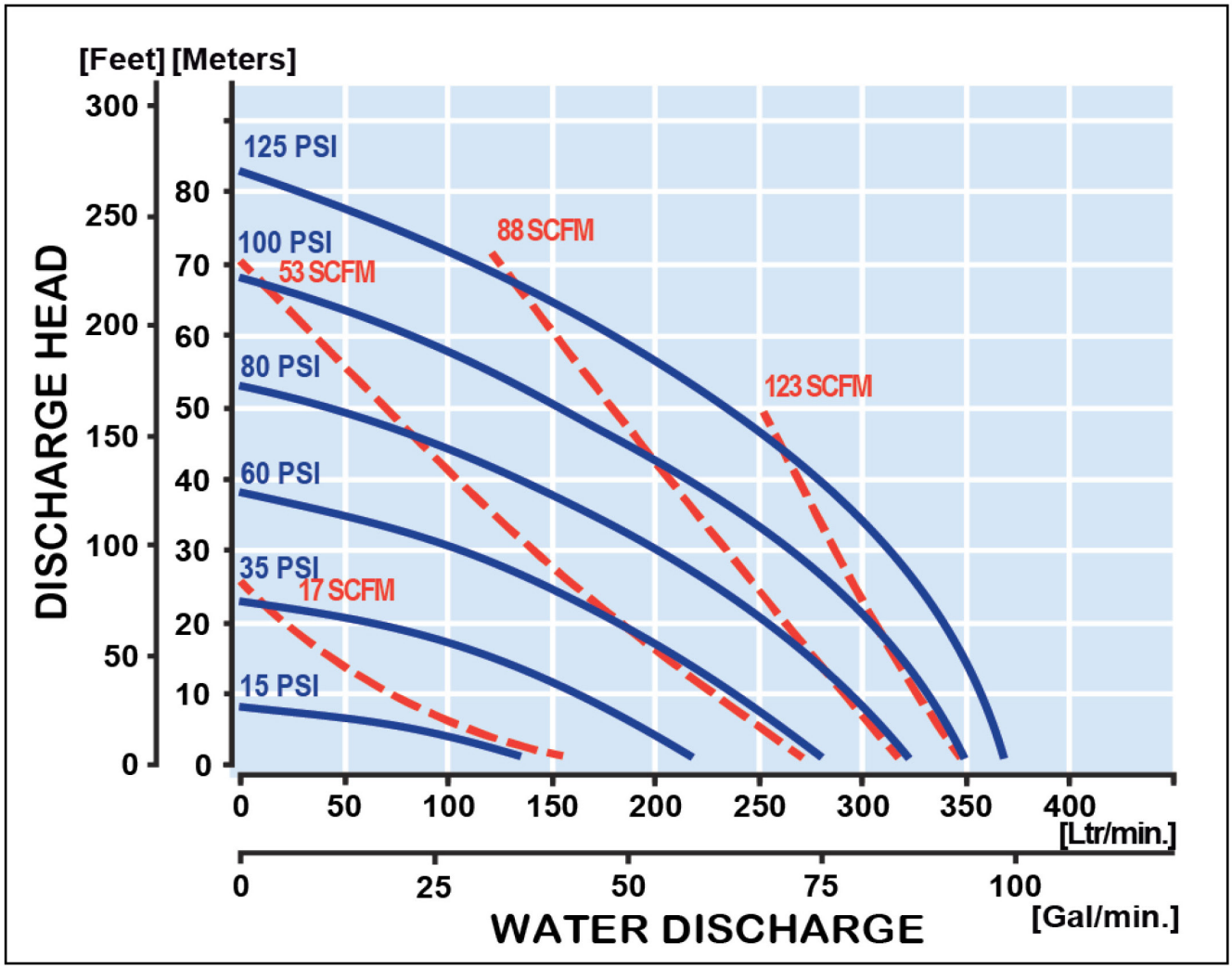
DP-40 Metal Performance Curve - Rubber

Rubber Diaphragm Performance Curve



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

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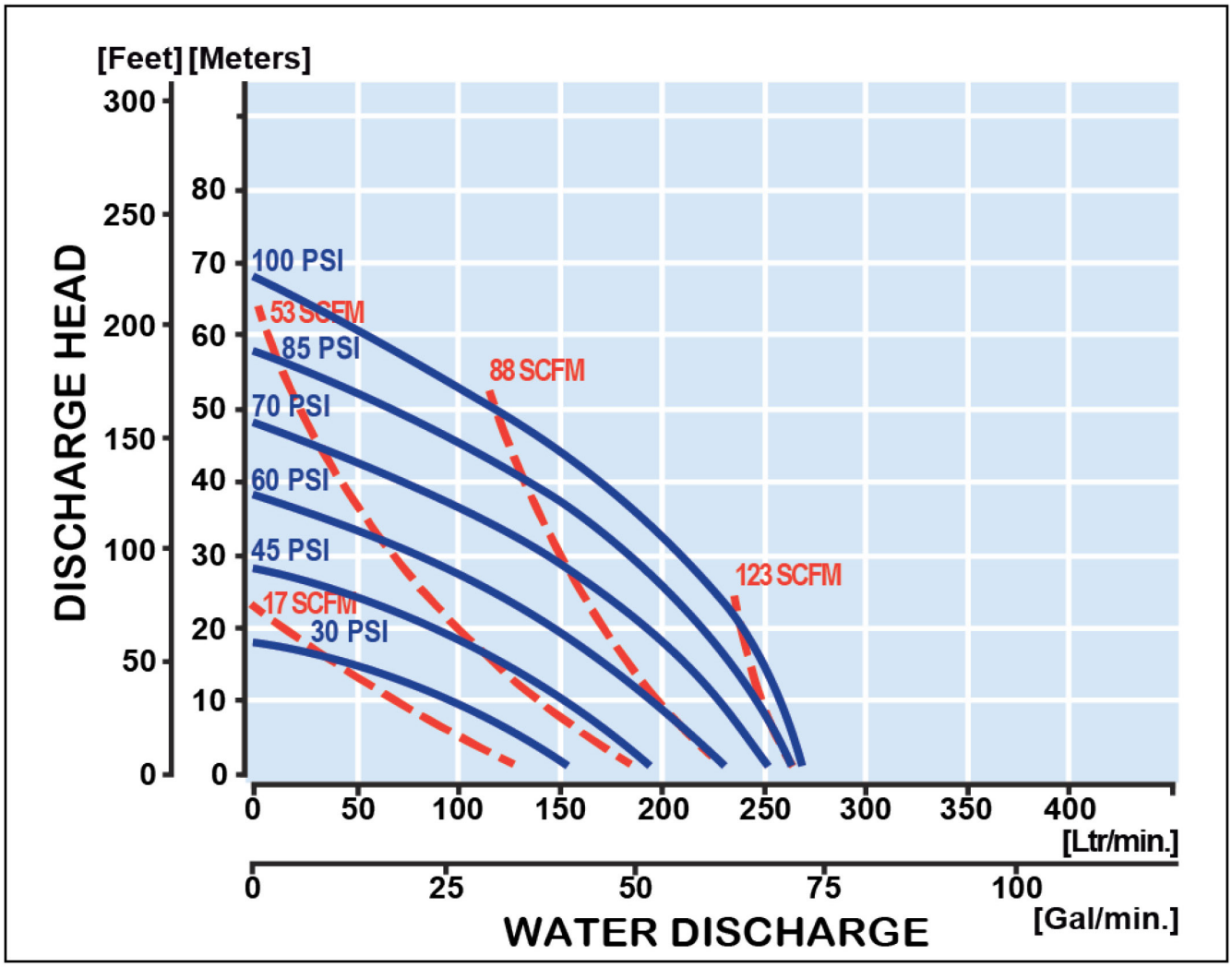
DP-40 Metal Performance Curve - PTFE

PTFE Diaphragm Performance Curve



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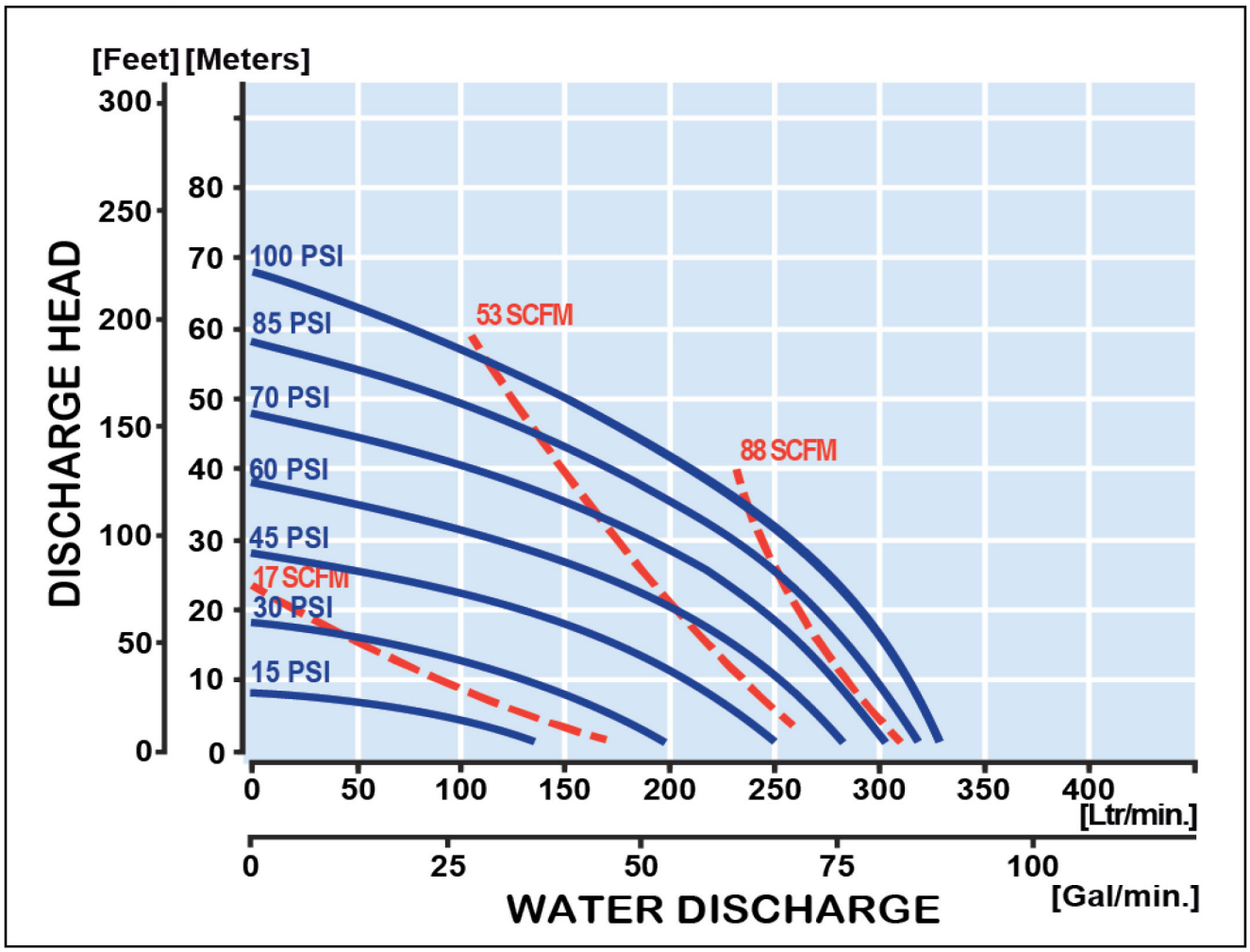
DP-40 Plastic Performance Curve - Rubber

Rubber Diaphragm Performance Curve



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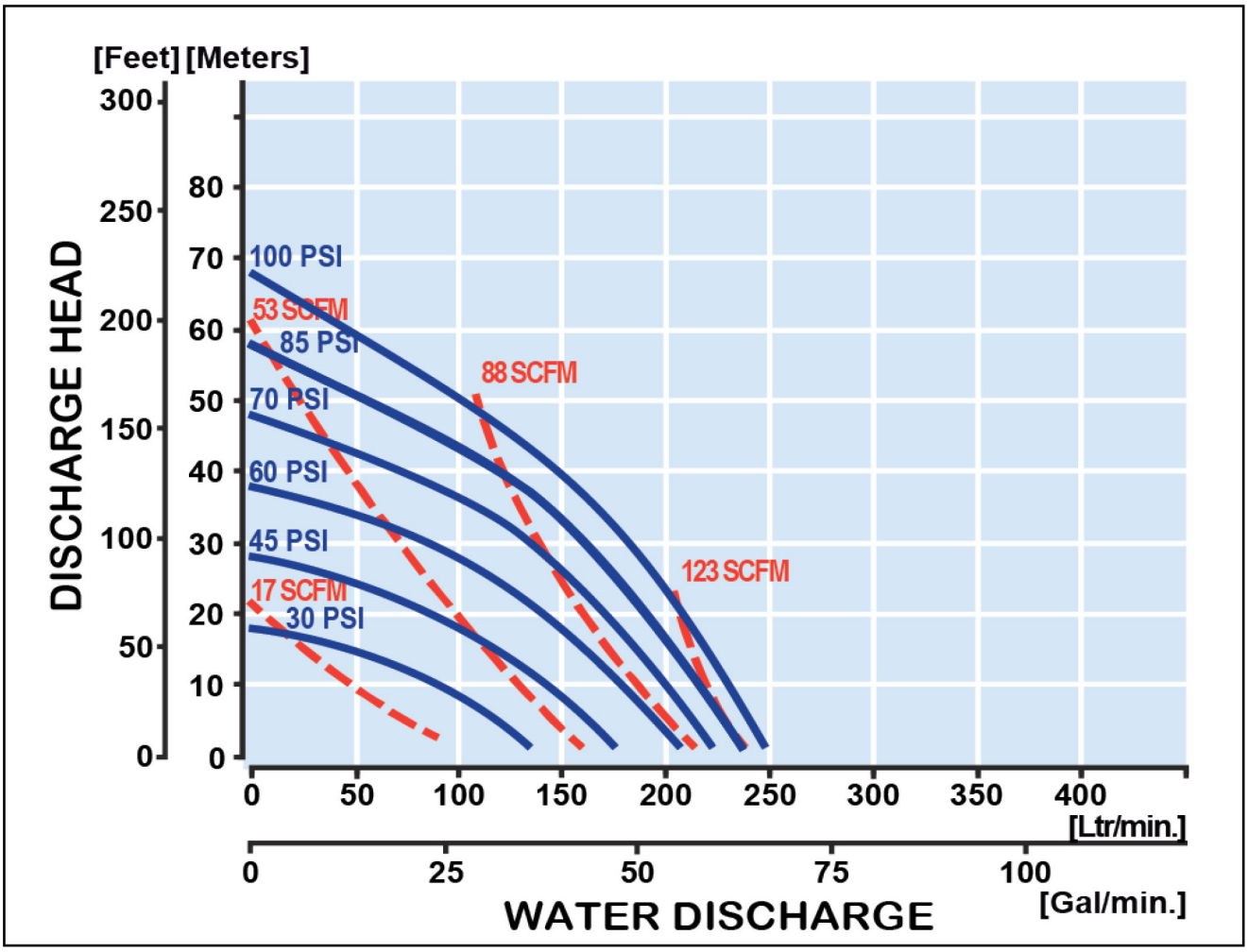
DP-40 Plastic Performance Curve - PTFE

PTFE Diaphragm Performance Curve



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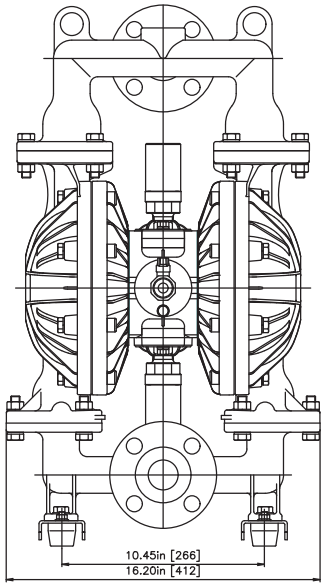
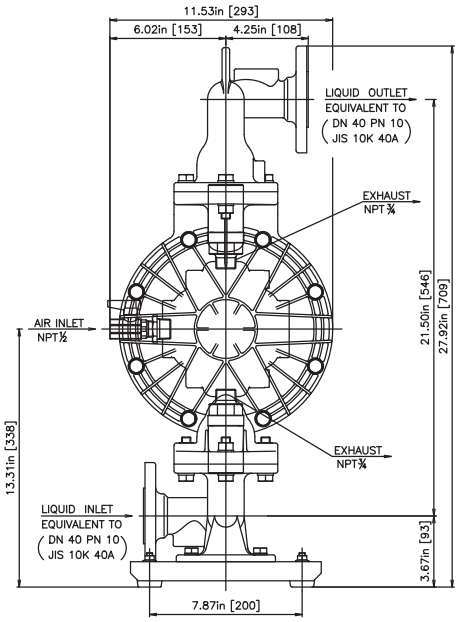
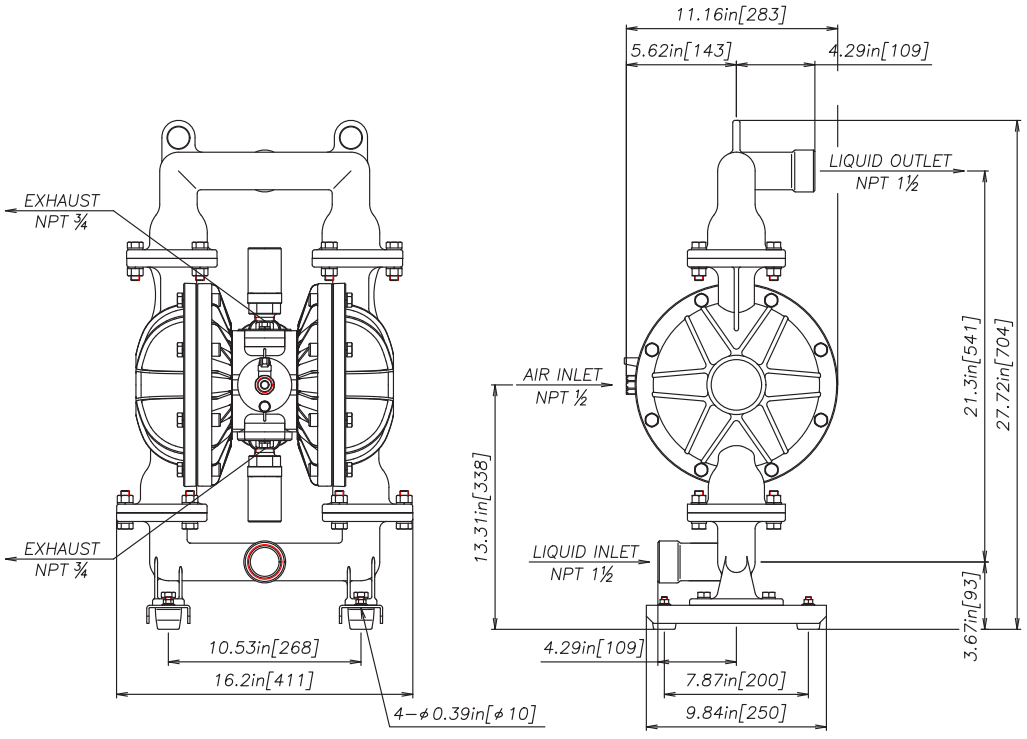
DP-40 Aluminum





DP-40 Cast Iron



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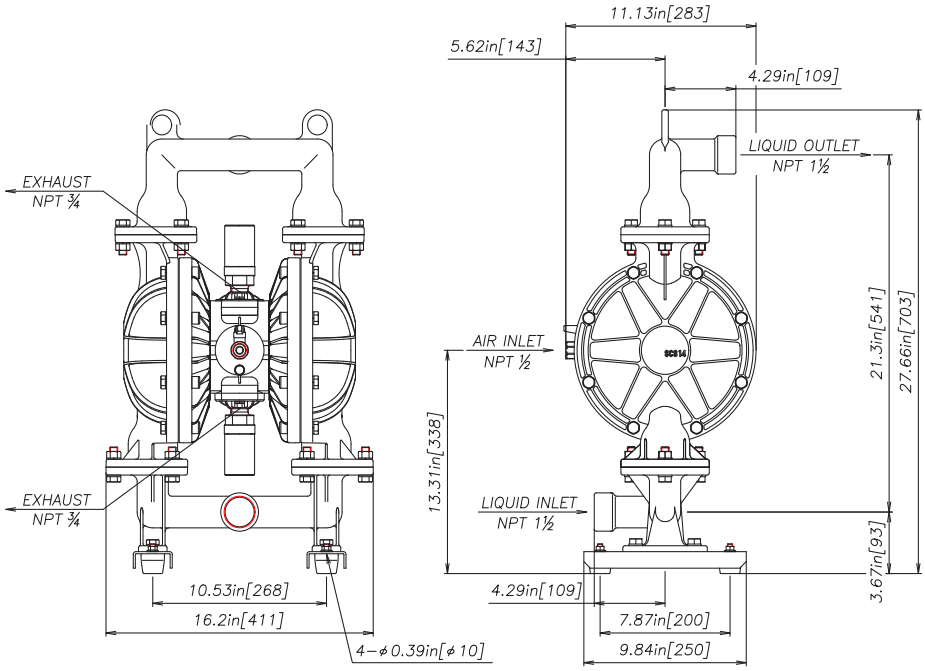
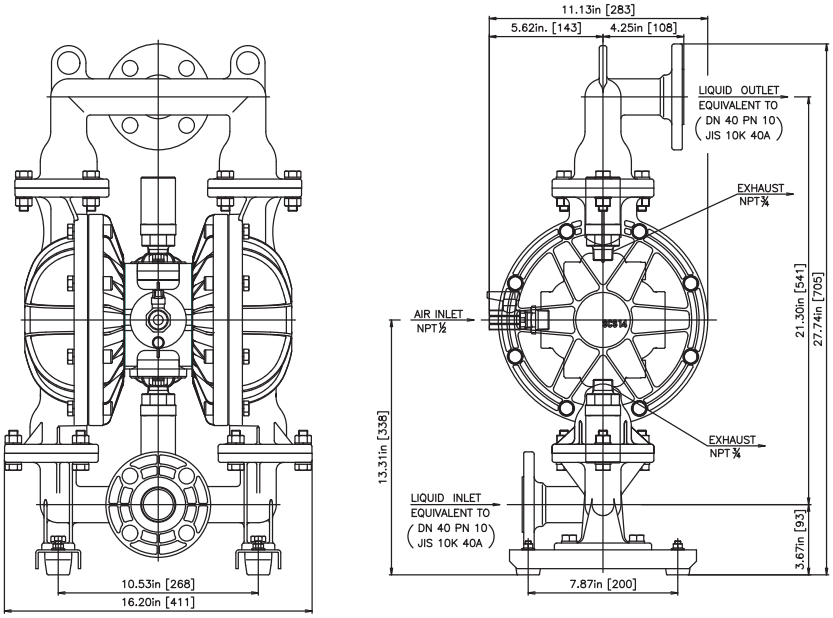
DP-40 Stainless Steel - NPT



DP-40 Stainless Steel - FLG



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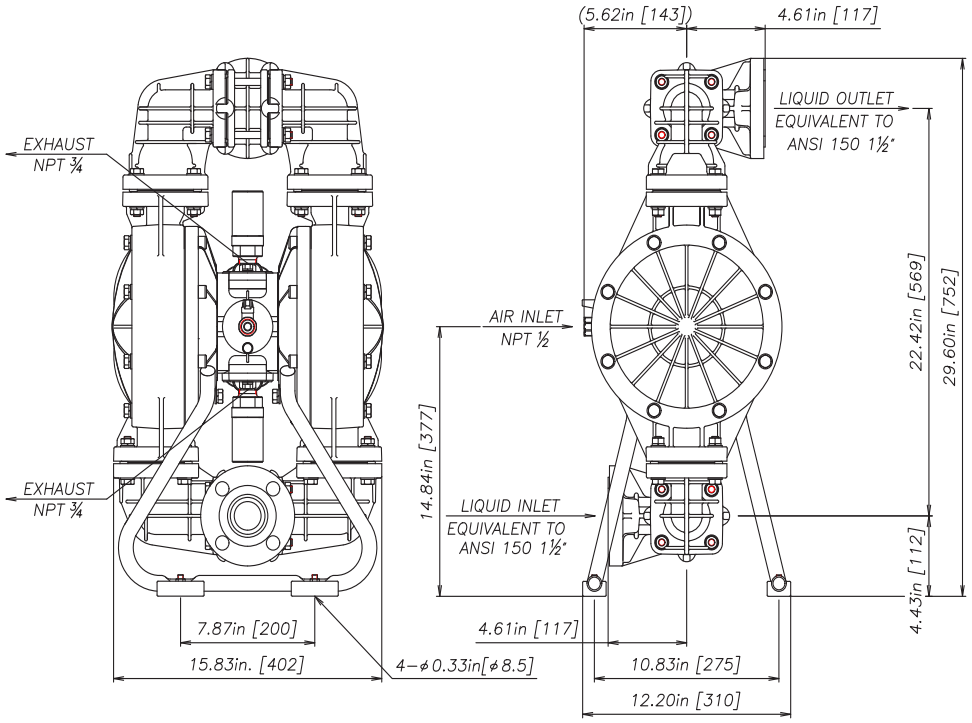
DP-40 Polyproylene



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