

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)
HytreI® (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/cm²)

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:

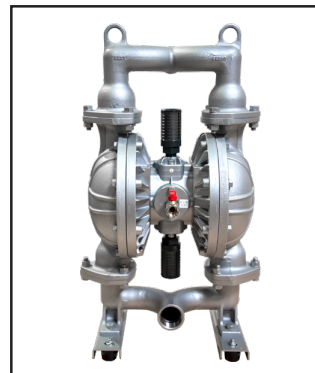
16.20"L x 11.13"W x 27.74"H

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

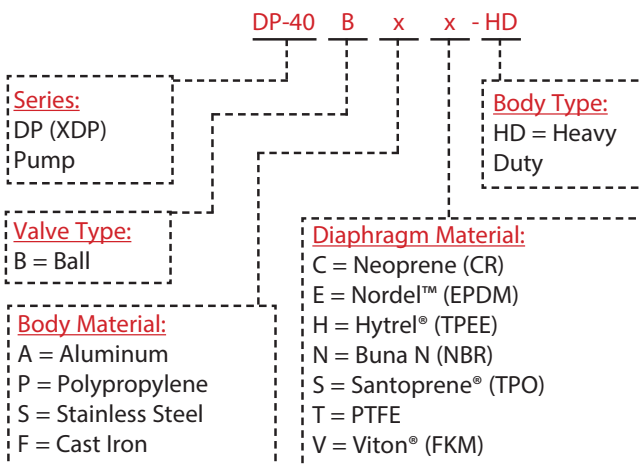
Dimensions:

16.20"L x 11.16"W x 27.72"H

Net Wt.: 97 lbs. (44 kg)

Shipping Wt.: 107 lbs.

Model Number Nomenclature

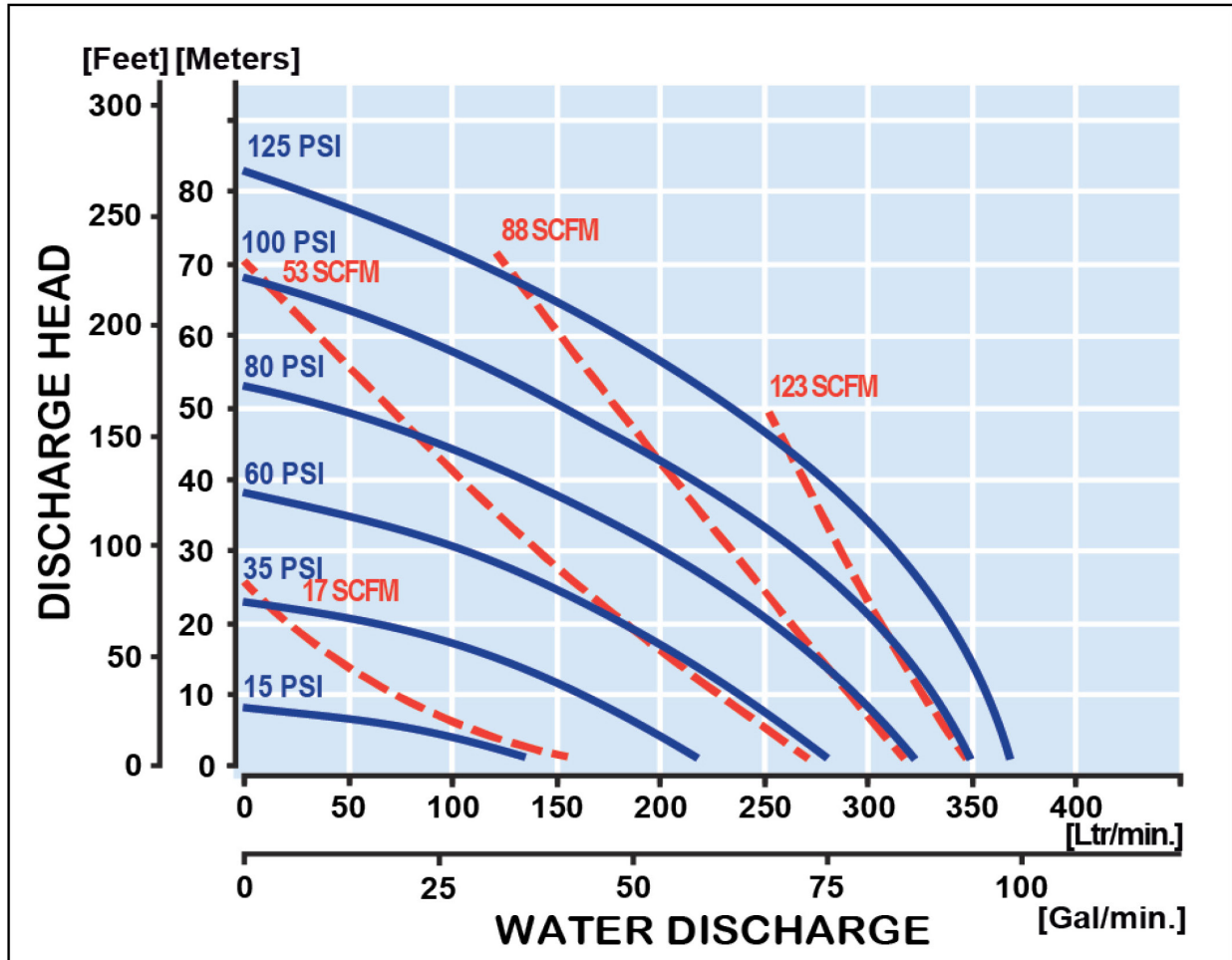


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DP-40 Metal Performance Curve - Rubber

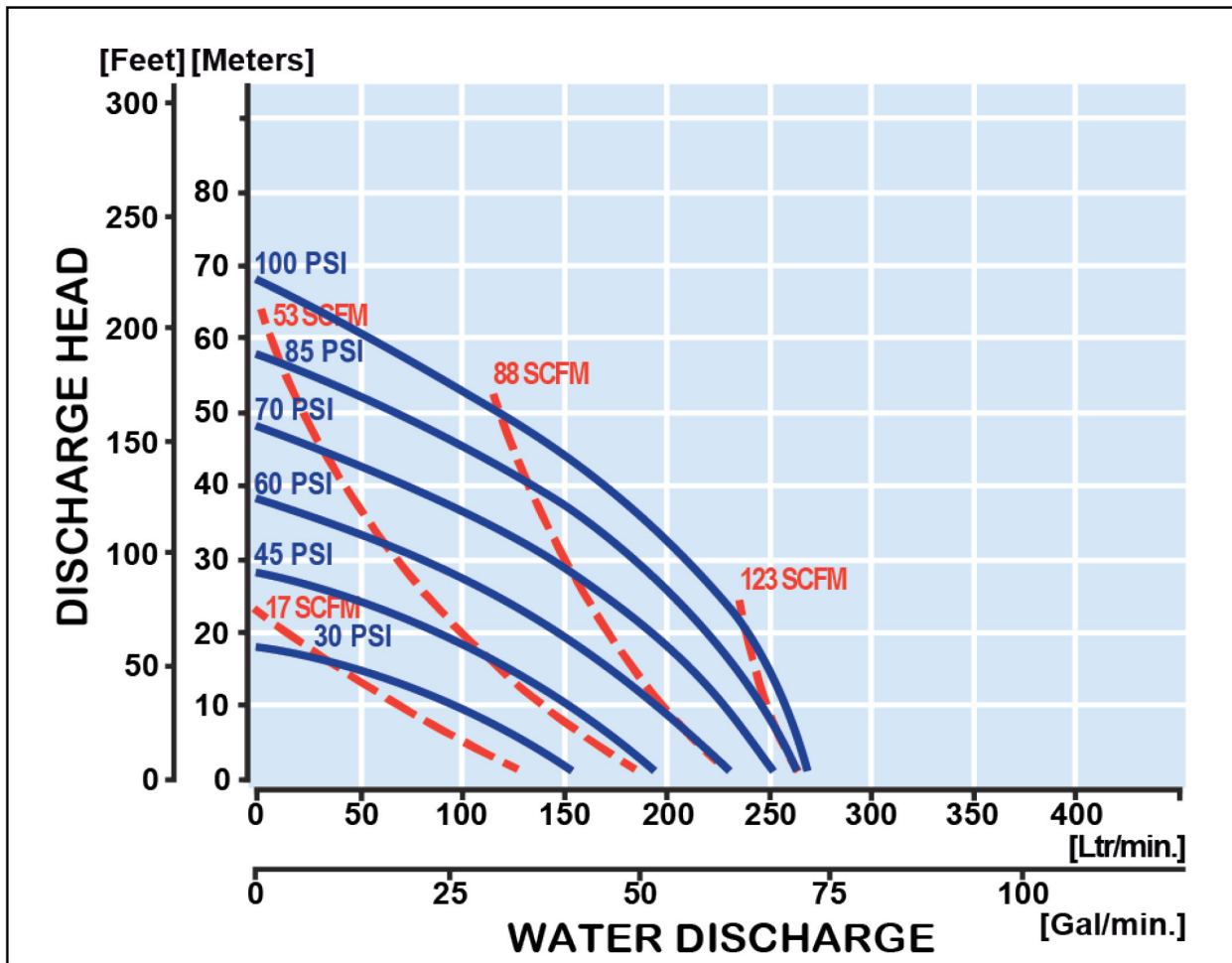
Rubber Diaphragm Performance Curve



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

DP-40 Metal Performance Curve - PTFE

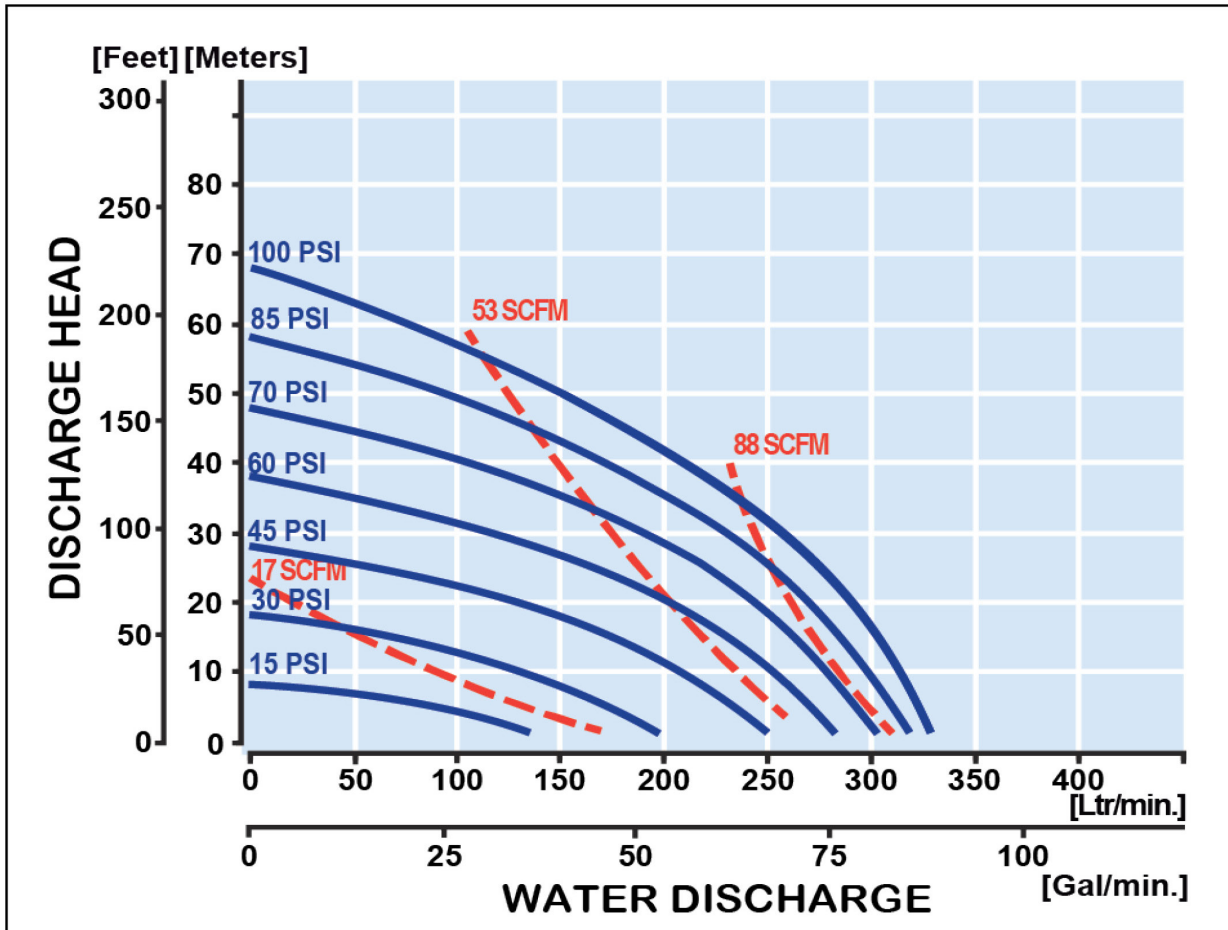
PTFE Diaphragm Performance Curve



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

DP-40 Plastic Performance Curve - Rubber

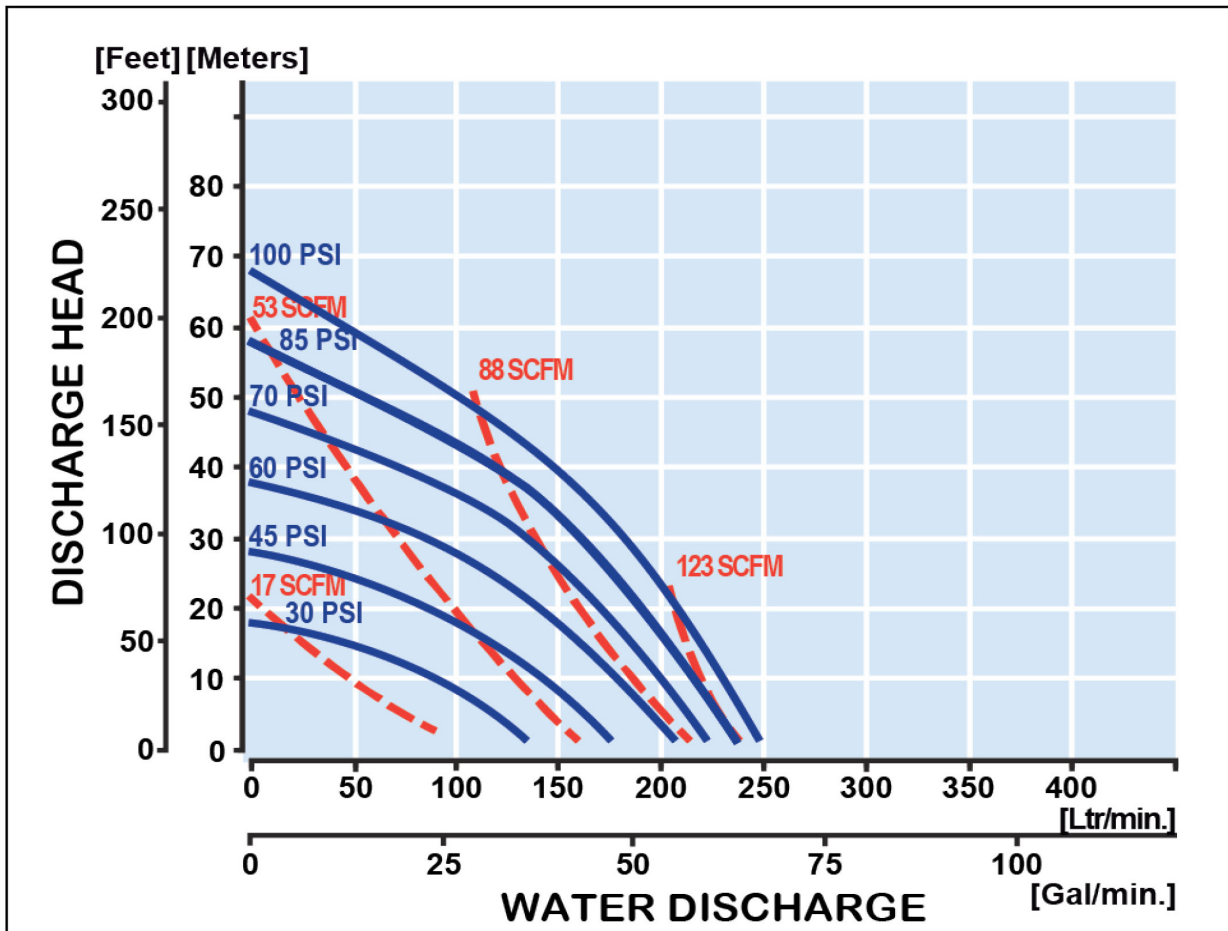
Rubber Diaphragm Performance Curve



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

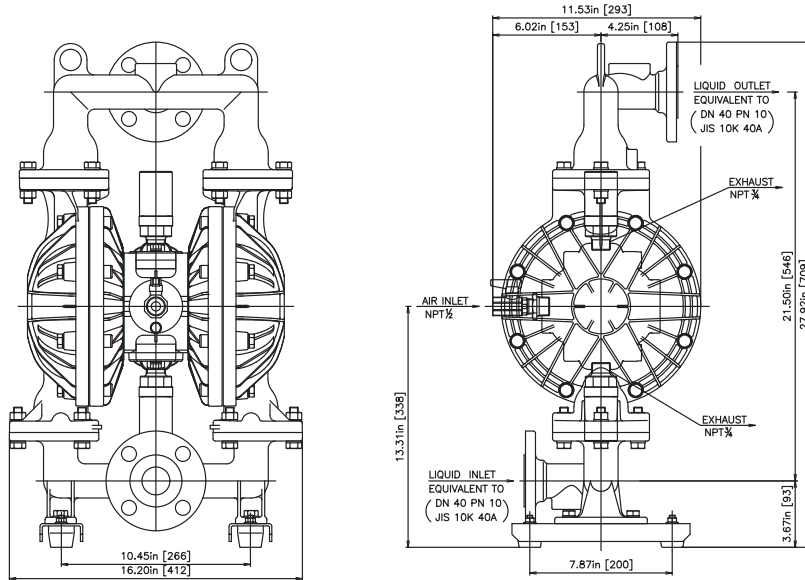
DP-40 Plastic Performance Curve - PTFE

PTFE Diaphragm Performance Curve

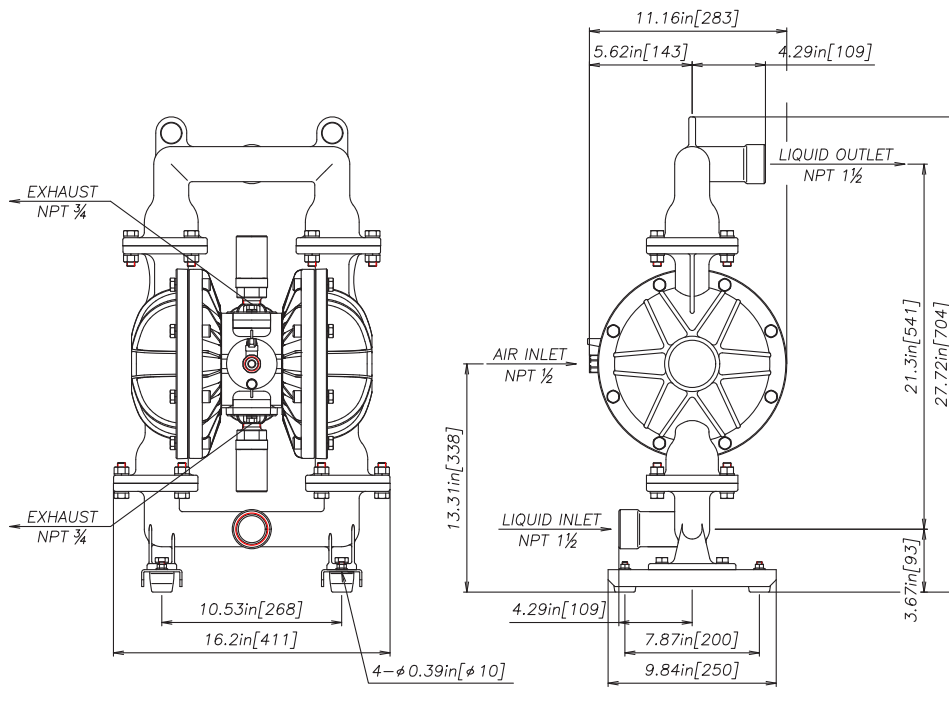


To calculate performance for Santoprene® and Hytrel® fitted pumps, use Rubber Diaphragm Curve.

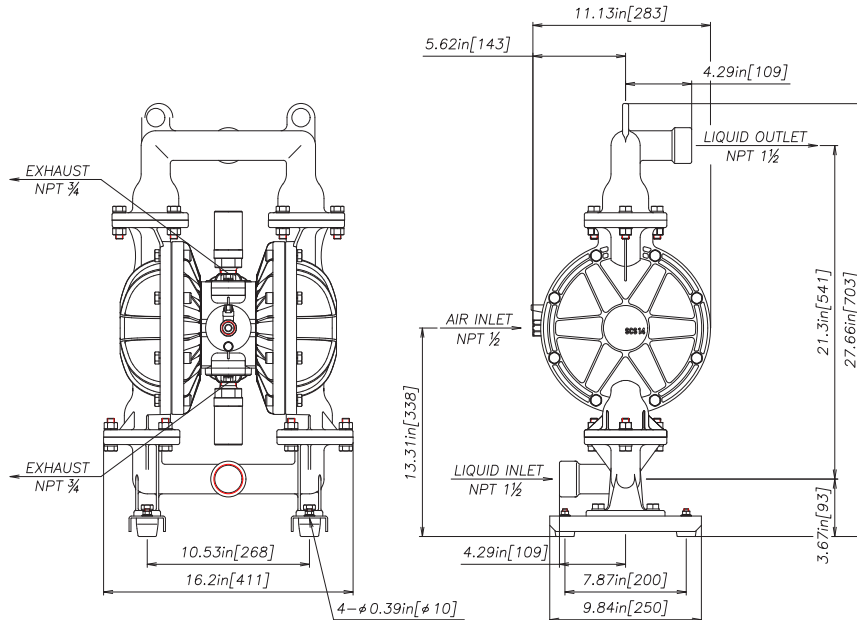
DP-40 Aluminum



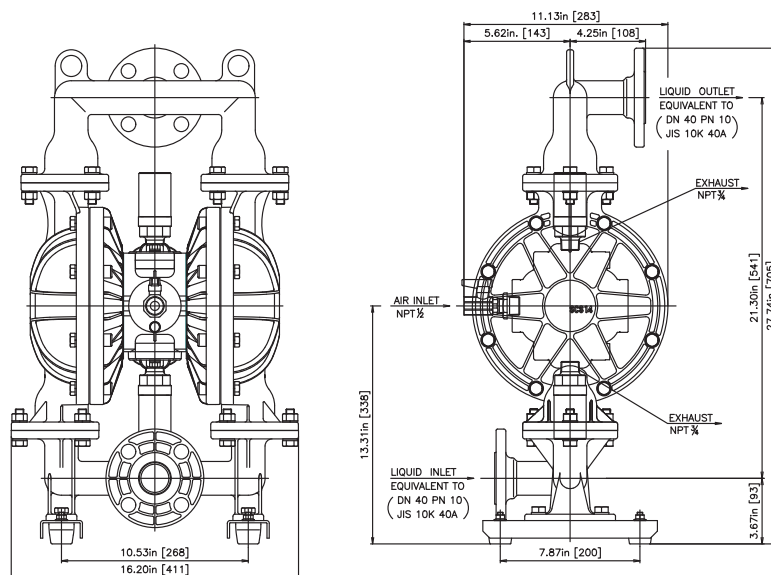
DP-40 Cast Iron



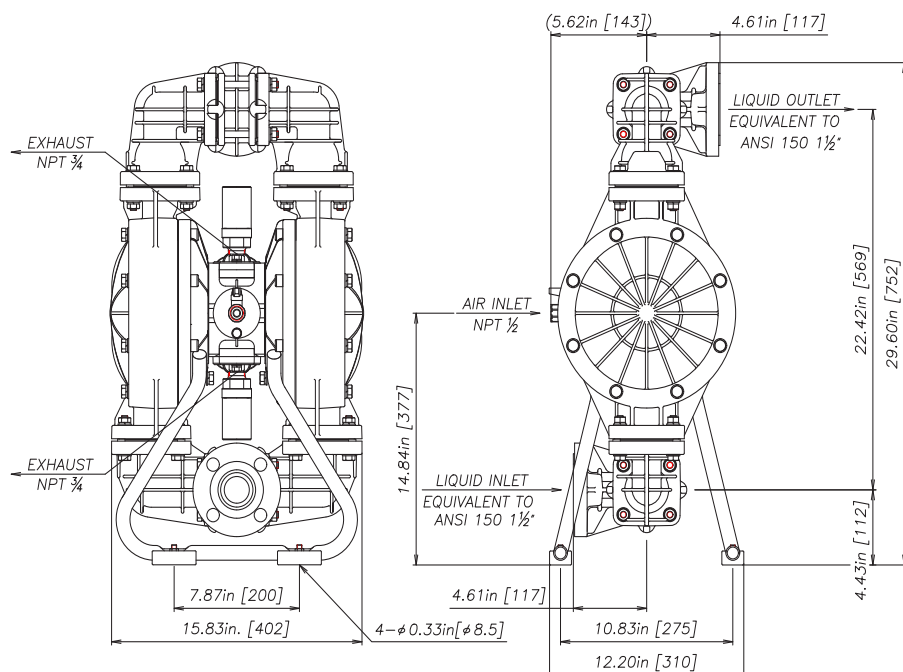
DP-40 Stainless Steel - NPT



DP-40 Stainless Steel - FLG



DP-40 Polypropylene



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