

G15 Specifications

Port Dimensions (16.6 GPM Max.)

Intake & discharge connection:

Aluminum (ADC-12)	1/2" Female NPT
Polypropylene (PPG)	1/2" Female NPT
Stainless Steel (316)	1/2" Female NPT
Air inlet (incl. ball valve):	1/4" Female NPT
Air exhaust (incl. silencer):	3/8" Female NPT

Maximum Liquid Temperature*

Diaphragm Material	Temperature
Buna N	180°F (82°C)
Santoprene® (TPO)	212°F (100°C)
PTFE	212°F (100°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)

20–100 PSI (1.4–7 kgf/cm²)

Discharge Volume Per Cycle

Rubber diaphragm: 0.039 - 0.050 gallons
PTFE diaphragm: 0.039 - 0.047 gallons

Maximum Cycles Per Minute

Rubber & PTFE diaphragm: 379

Maximum Size Solid

1/32" (1 mm)

Maximum Dry Suction Lift

Rubber fitted pump capability: 13.5'
PTFE fitted pump capability: 11'

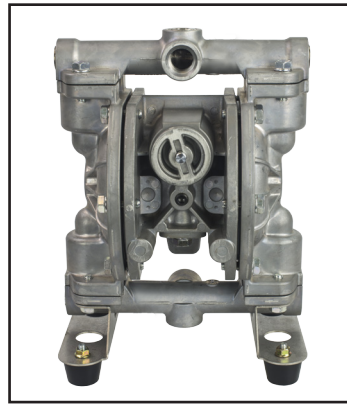
Air Motor

Aluminum air motor standard on metal pumps.
Polypropylene air motor standard on plastic pumps.

Valve Type

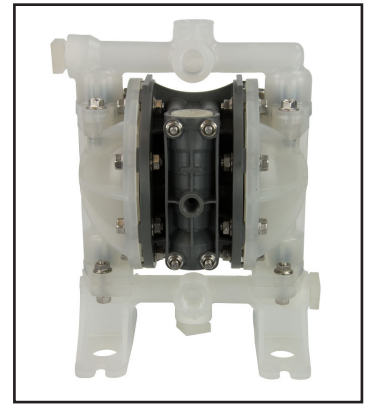
Ball

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



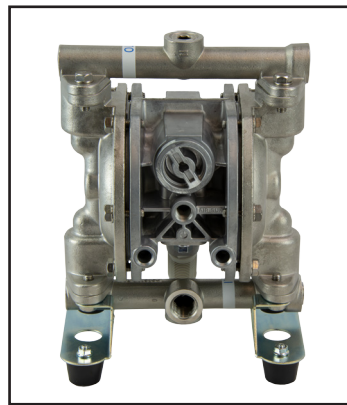
Aluminum (NPT)

Dimensions: 7.64"W x 10.43"H
Net Wt.: 11.9 lbs. (5.4 kg)
Shipping Wt.: 15 lbs.



Polypropylene

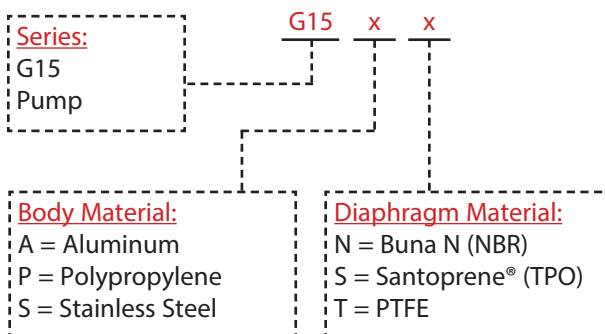
NPT Dimensions: 8.58"W x 11.25"H
Net Wt.: 5.74 lbs. (2.6 kg)
Shipping Wt.: 9 lbs.



Stainless Steel (NPT)

Dimensions: 7.64"W x 10.43"H
Net Wt.: 18.1 lbs. (8.2 kg)
Shipping Wt.: 22 lbs.

Model Number Nomenclature

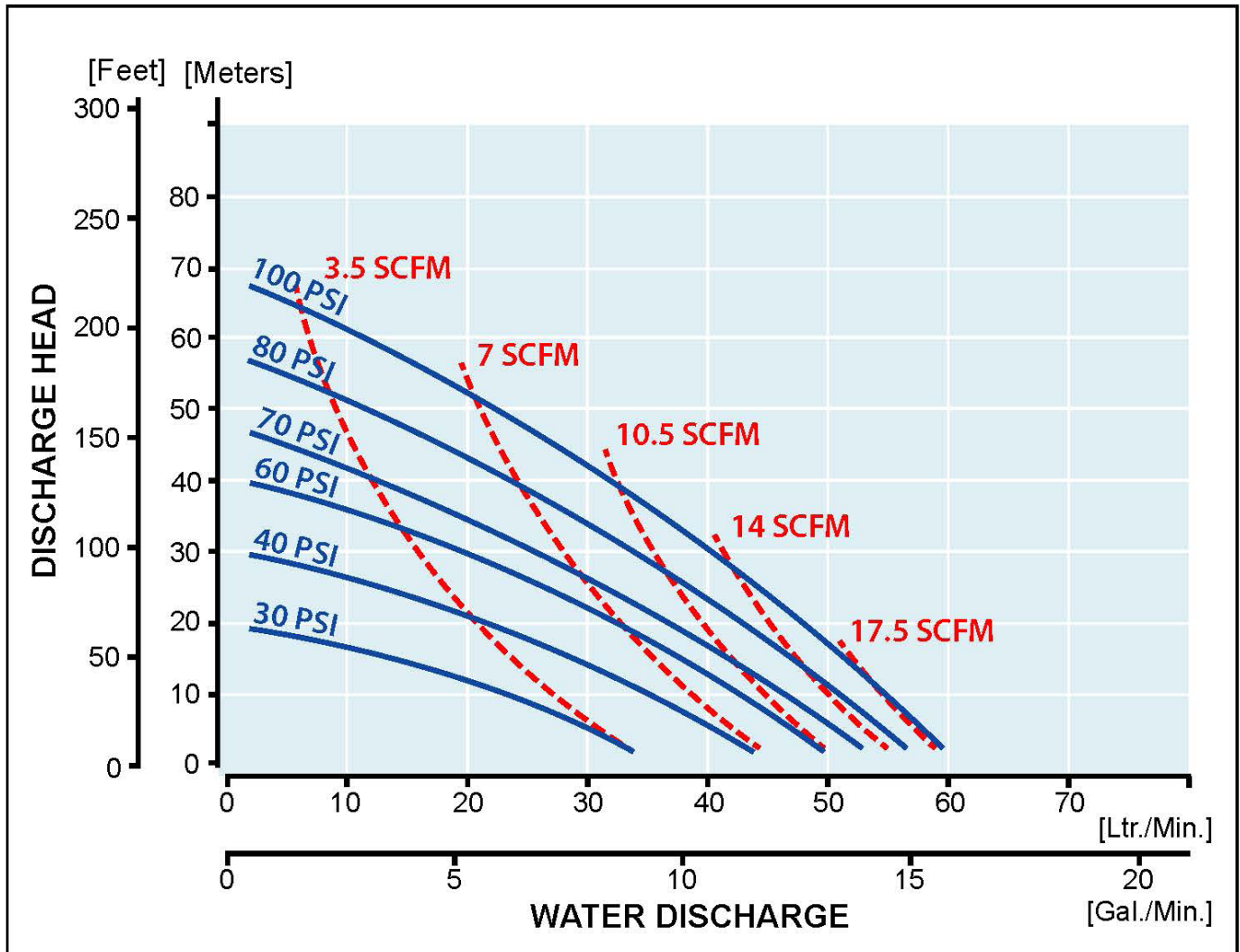


G15 Series Models

G15AN	G15SN	G15PS
G15AS	G15SS	G15PT
G15AT	G15ST	

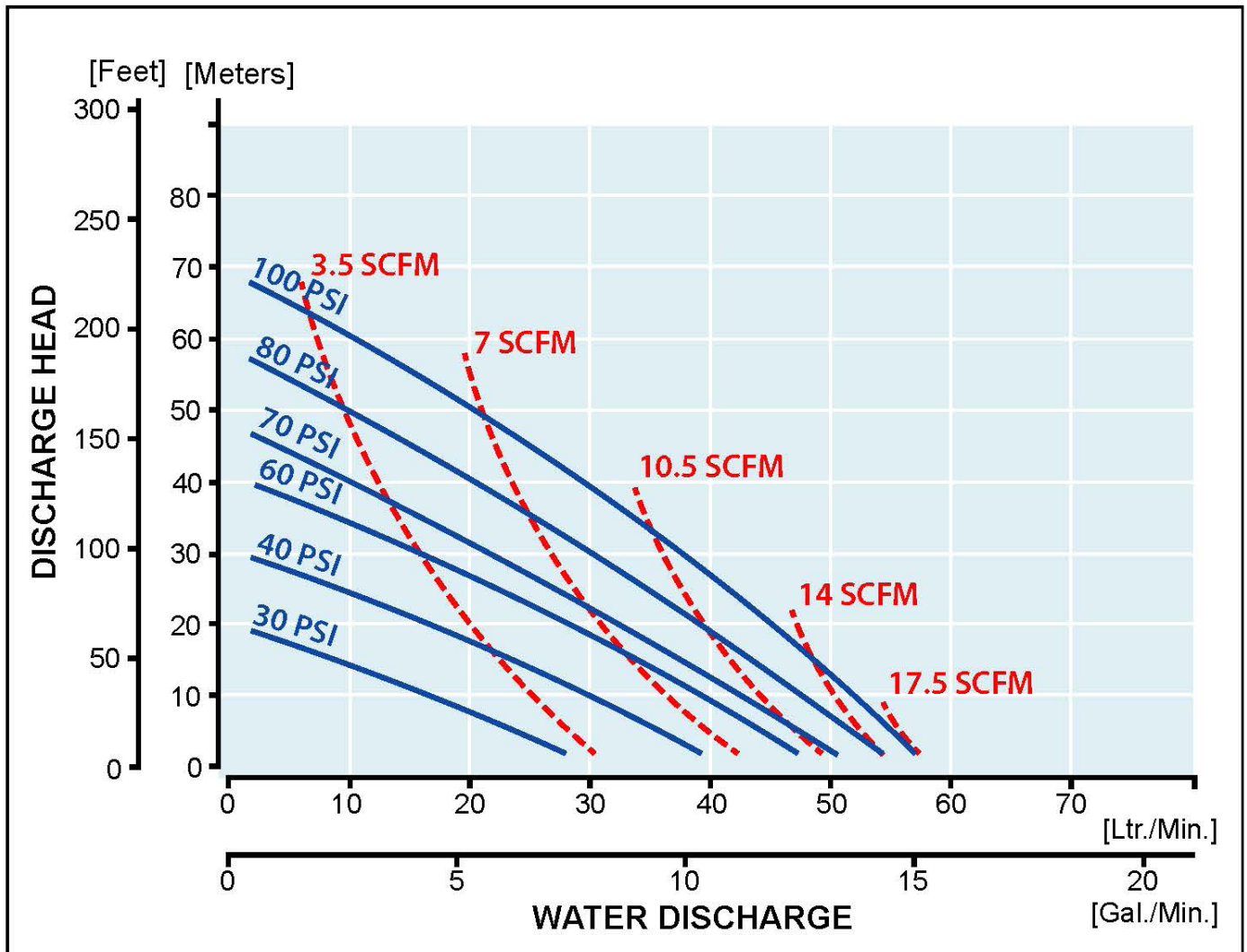
G15A Performance Curve - Rubber

Rubber Diaphragm Performance Curve



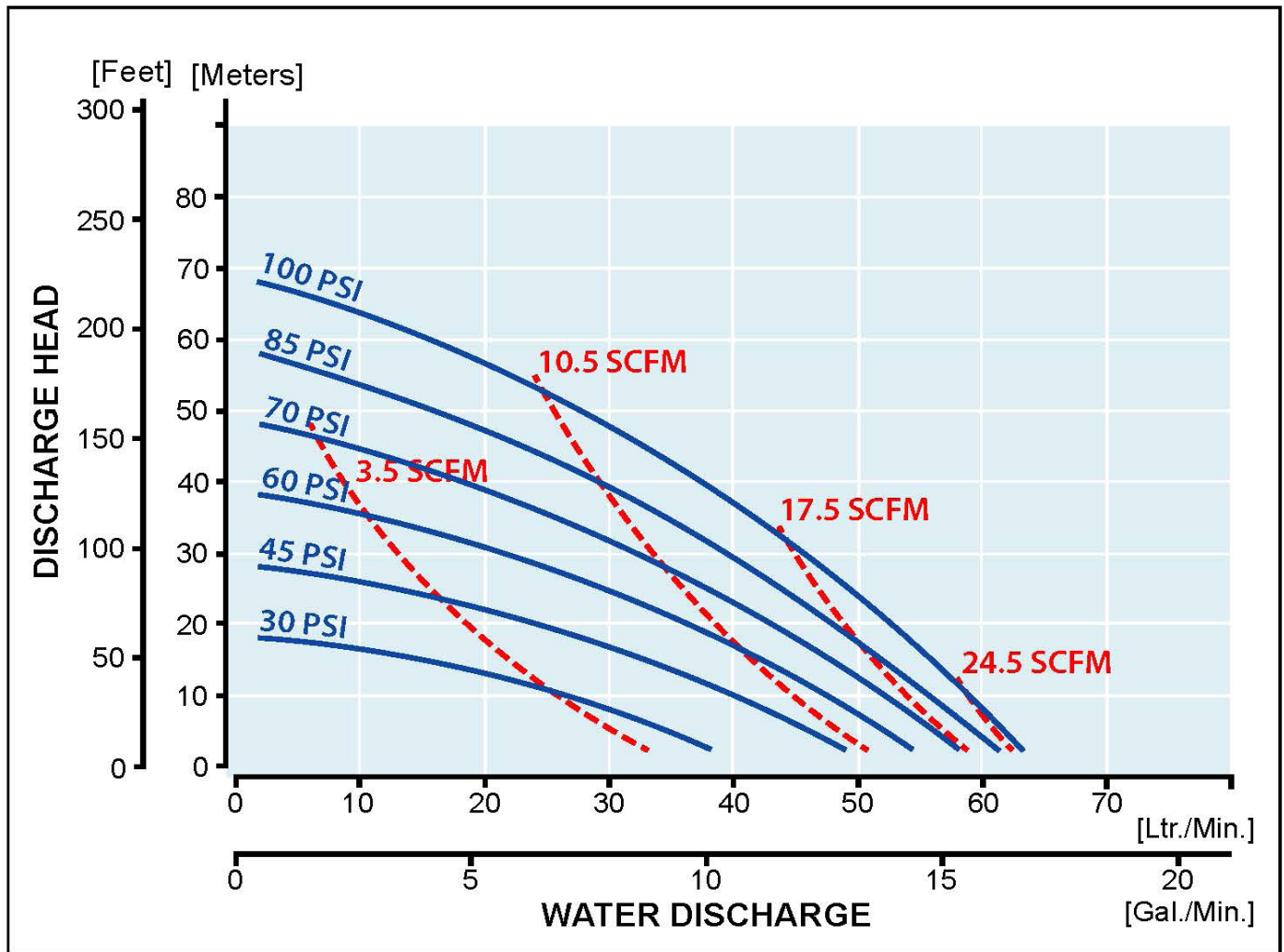
G15A Performance Curve - PTFE

PTFE Diaphragm Performance Curve



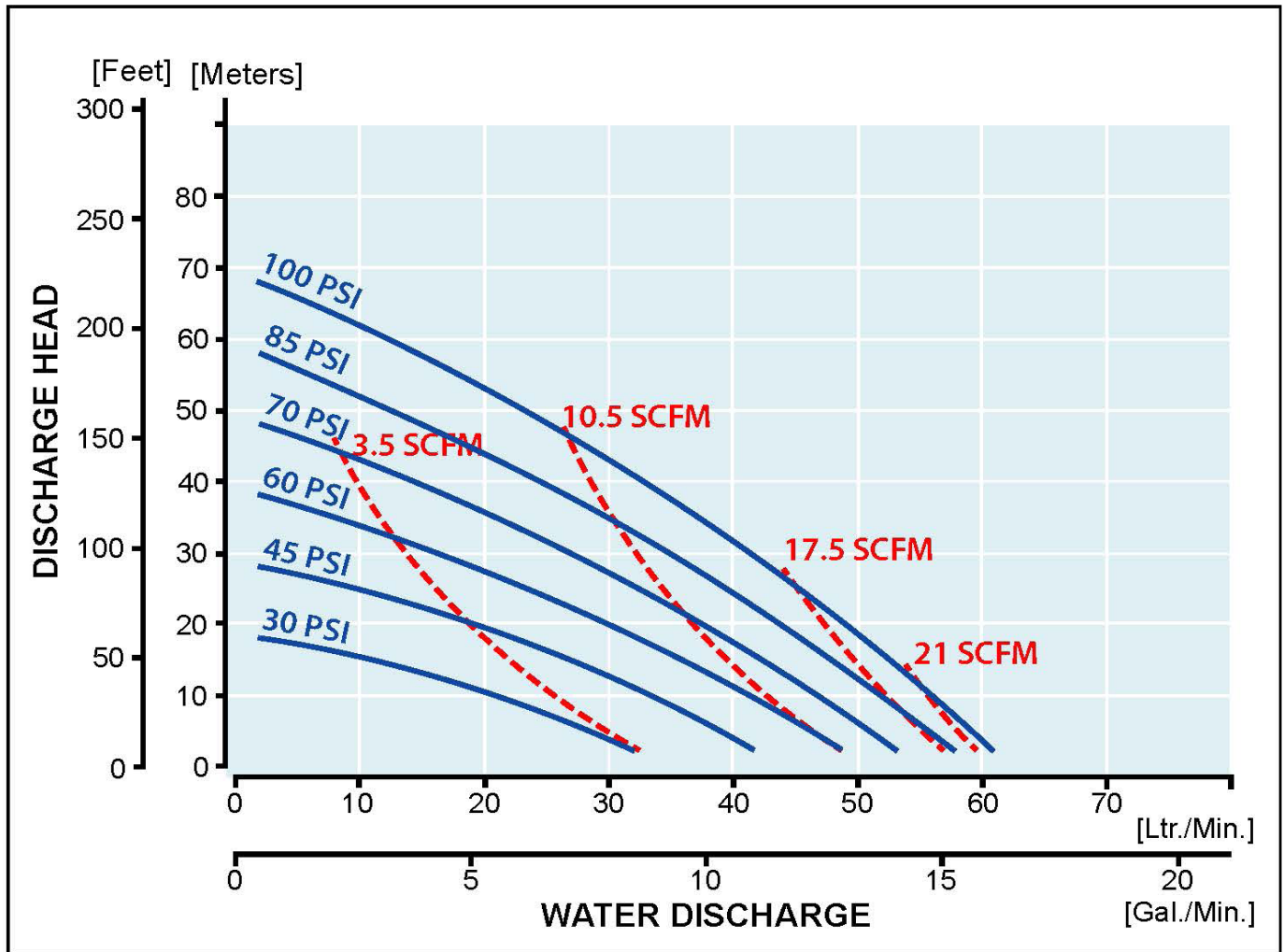
G15P Performance Curve - Rubber

Rubber Diaphragm Performance Curve



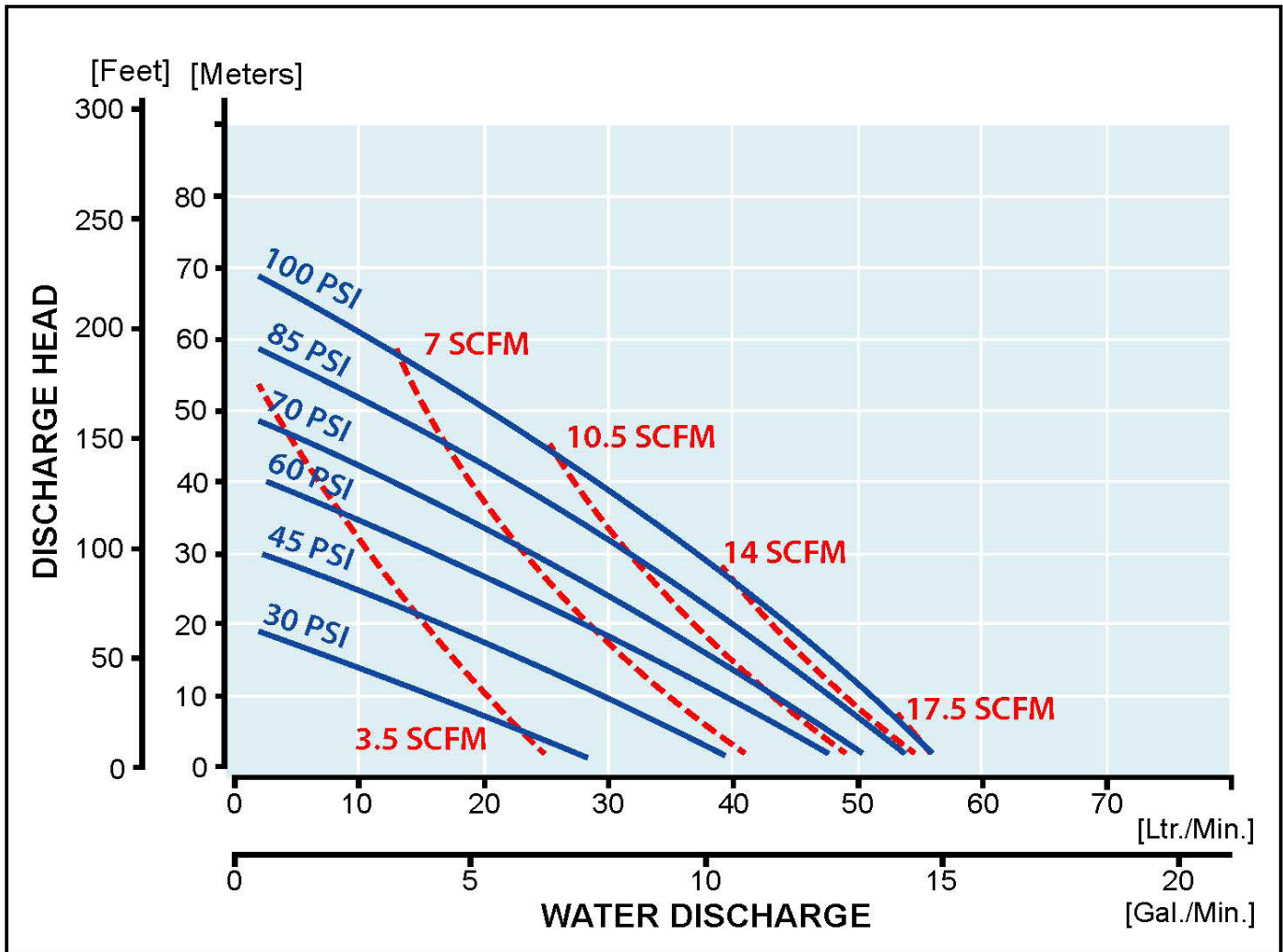
G15P Performance Curve - PTFE

PTFE Diaphragm Performance Curve



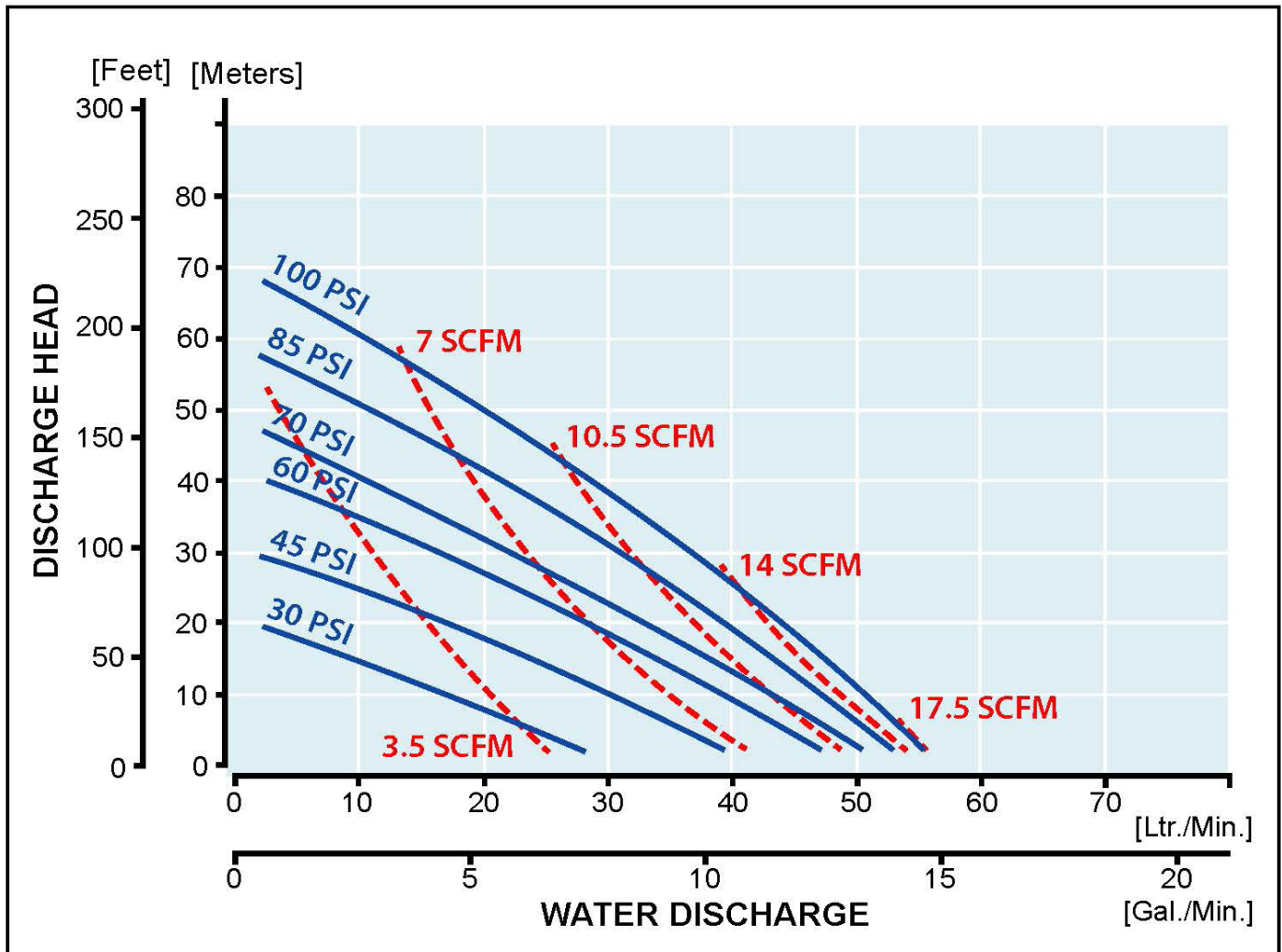
G15S Performance Curve - Rubber

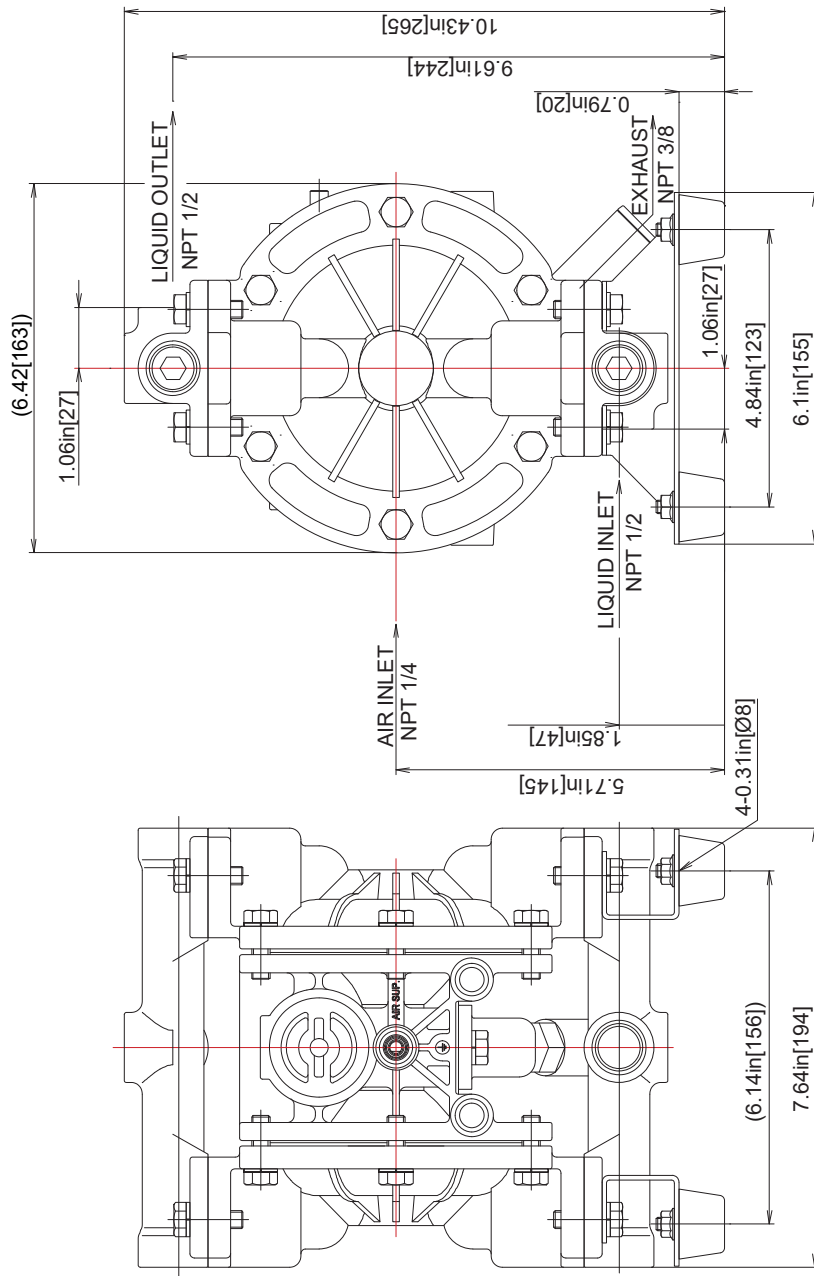
Rubber Performance Curve



G15S Performance Curve - PTFE

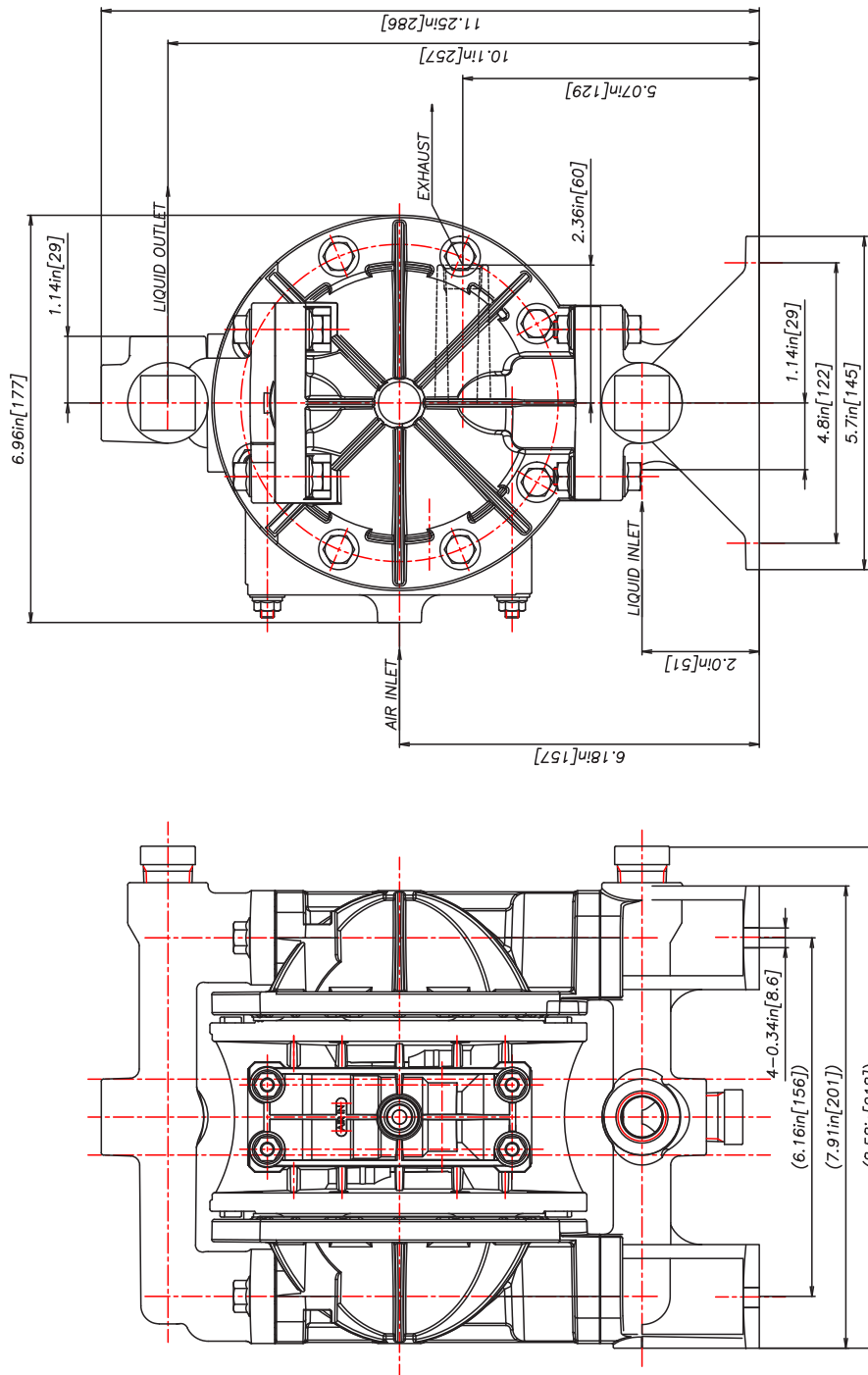
PTFE Performance Curve





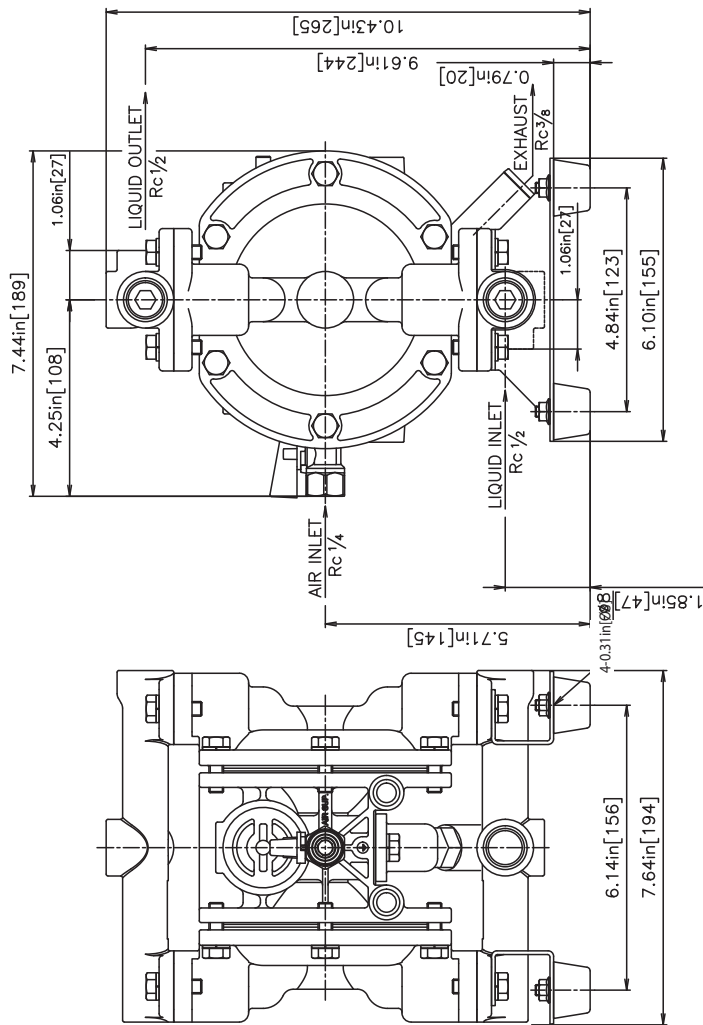
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THE DWG. OF:			
DIAPHRAGM PUMP ASSEMBLY			
SCALE	DATE	DRAWN BY	MK
	09/13/2018	APPROVED BY	
THIRD ANG PROJ.	DRAWING NUMBER:		
	G15A		
REV			
1			

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SCALE	-	DRAWN BY	MK
DATE	09/13/2018	APPROVED BY	-
THIRD		DRAWING NUMBER:	G15P
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THE DWG. OF: YAMADA DIAPHRAGM PUMP			
SCALE: NTS		DRAWN BY: MK	
DATE: 01/25/19		APPROVED BY: -	
THIRD ANGLE PROJ.		DRAWING NUMBER: G15S	REV 1

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