

G15 Specifications



Port Dimensions (16.6 GPM Max.)

Intake & discharge connection:

Aluminum (ADC-12)	1/2" Female NPT
Pure Polypropylene (PP)	1/2" Female NPT
Stainless Steel (316)	1/2" Female NPT
Kynar®	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	158°F (70°C)
Santoprene® (TPO)	212°F (100°C)
PTFE	212°F (100°C)
Hytre® (TPEE)	248°F (120°C)

* The maximum liquid temperature for metal pumps is determined by the elastomer (diaphragm material). Pure 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

All diaphragms: 0.040 - 0.050 gallons

Maximum Cycles Per Minute

All diaphragms: 373

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 - standard on metal pumps.

Polypropylene - standard on plastic pumps.

Valve Type

Ball

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

Buna N is not available with Kynar® pumps.



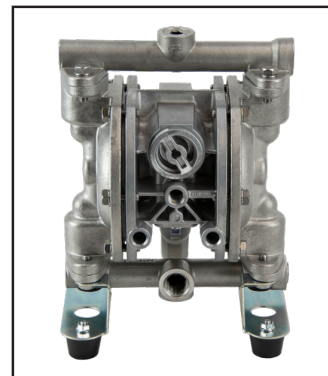
Aluminum (NPT)

Dimensions:

7.64"L x 6.1"W x 10.43"H

Net Wt.: 11.9 lbs. (5.4 kg)

Shipping Wt.: 15 lbs.



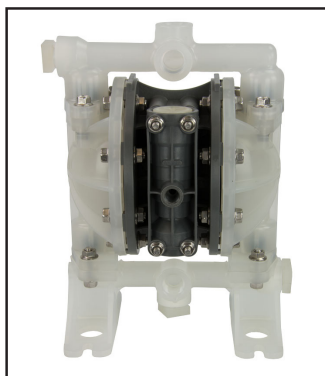
Stainless Steel (NPT)

Dimensions:

7.64"L x 6.1"W x 10.43"H

Net Wt.: 18.1 lbs. (5.4 kg)

Shipping Wt.: 22 lbs.



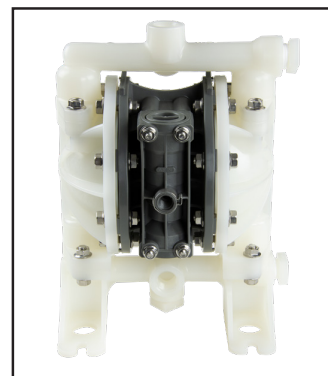
Pure Polypropylene (NPT)

NPT Dimensions:

8.58"L x 6.96"W x 11.25"H

Net Wt.: 5.74 lbs. (2.6 kg)

Shipping Wt.: 9 lbs.



Kynar® (NPT)

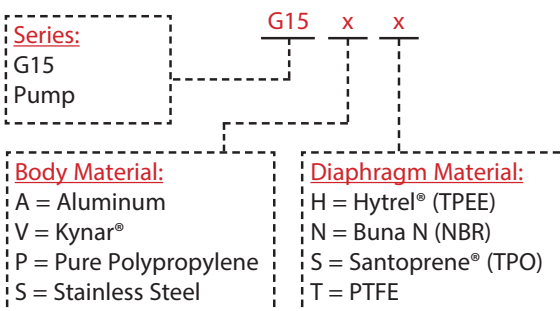
NPT Dimensions:

8.58"L x 6.96"W x 11.25"H

Net Wt.: 7.72 lbs. (3.5 kg)

Shipping Wt.: 12 lbs.

Model Number Nomenclature



G15 Global Series Models

G15AH	G15SH	G15PH	G15VH
G15AN	G15SN	G15PN	G15VS
G15AS	G15SS	G15PS	G15VT
G15AT	G15ST	G15PT	



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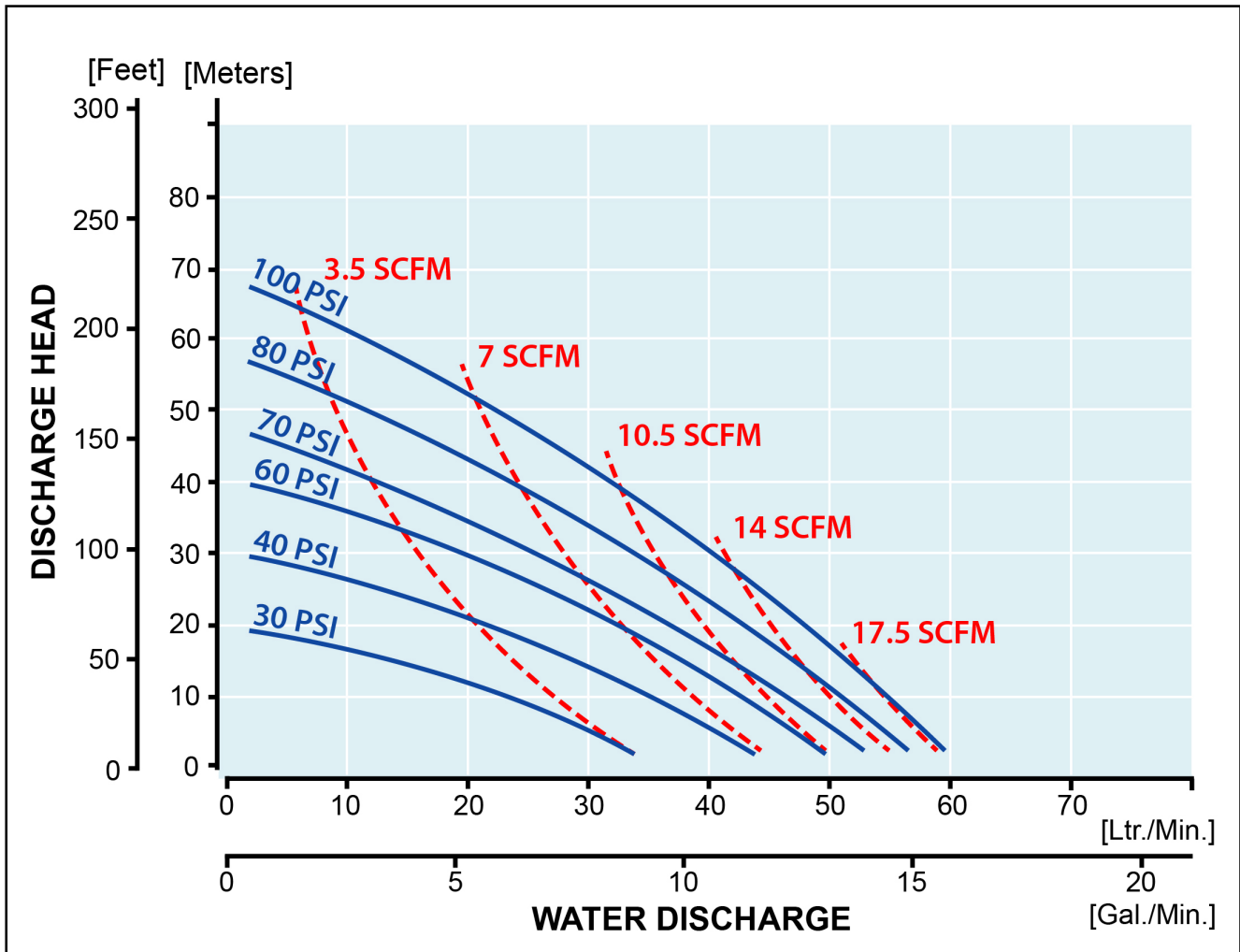
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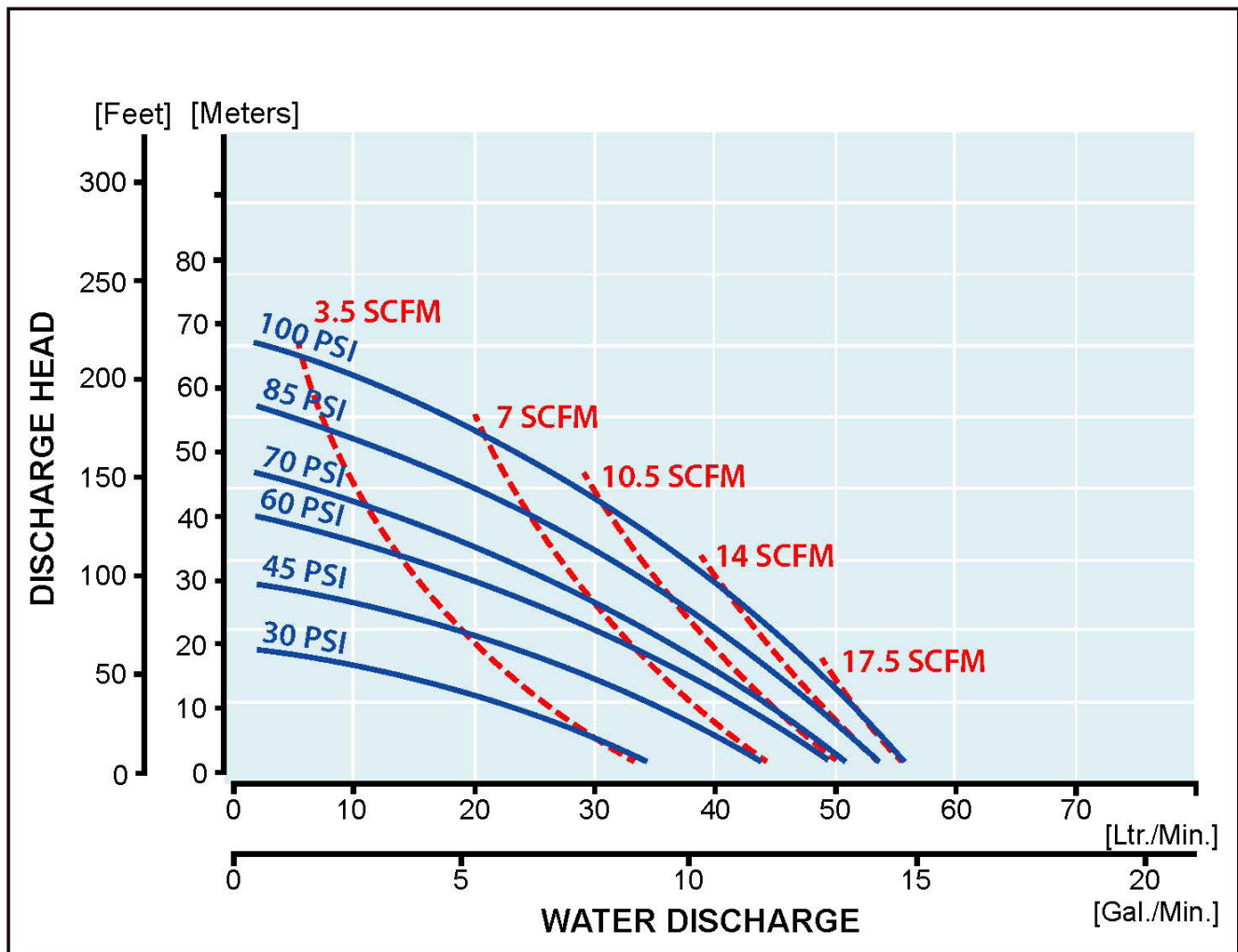
G15AN Performance Curve

G15 Buna N Rubber Diaphragm Performance Curve (Aluminum)



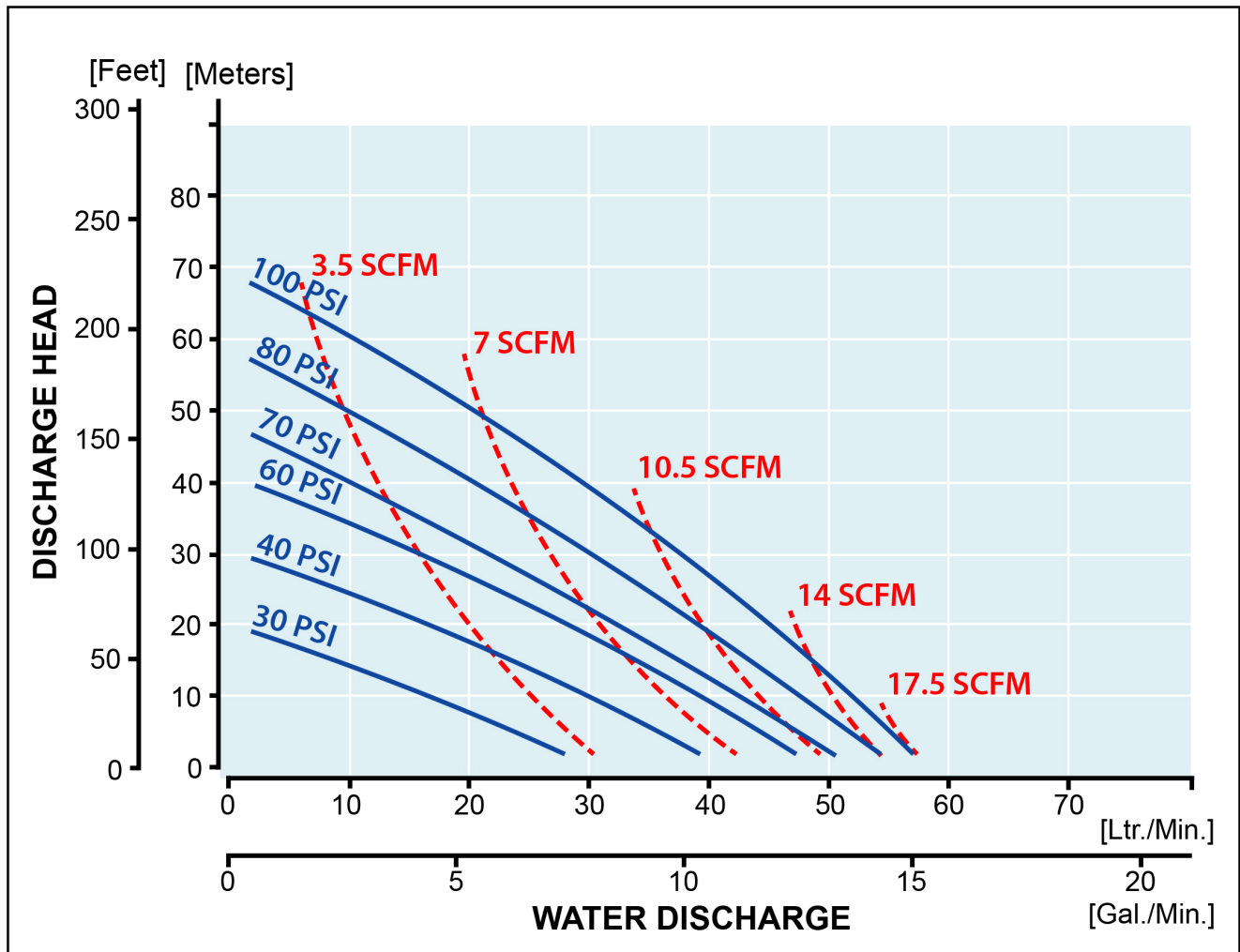
G15AH, G15AS Performance Curve

G15 Hytrel® & Santoprene® Diaphragm Performance Curve (Aluminum)



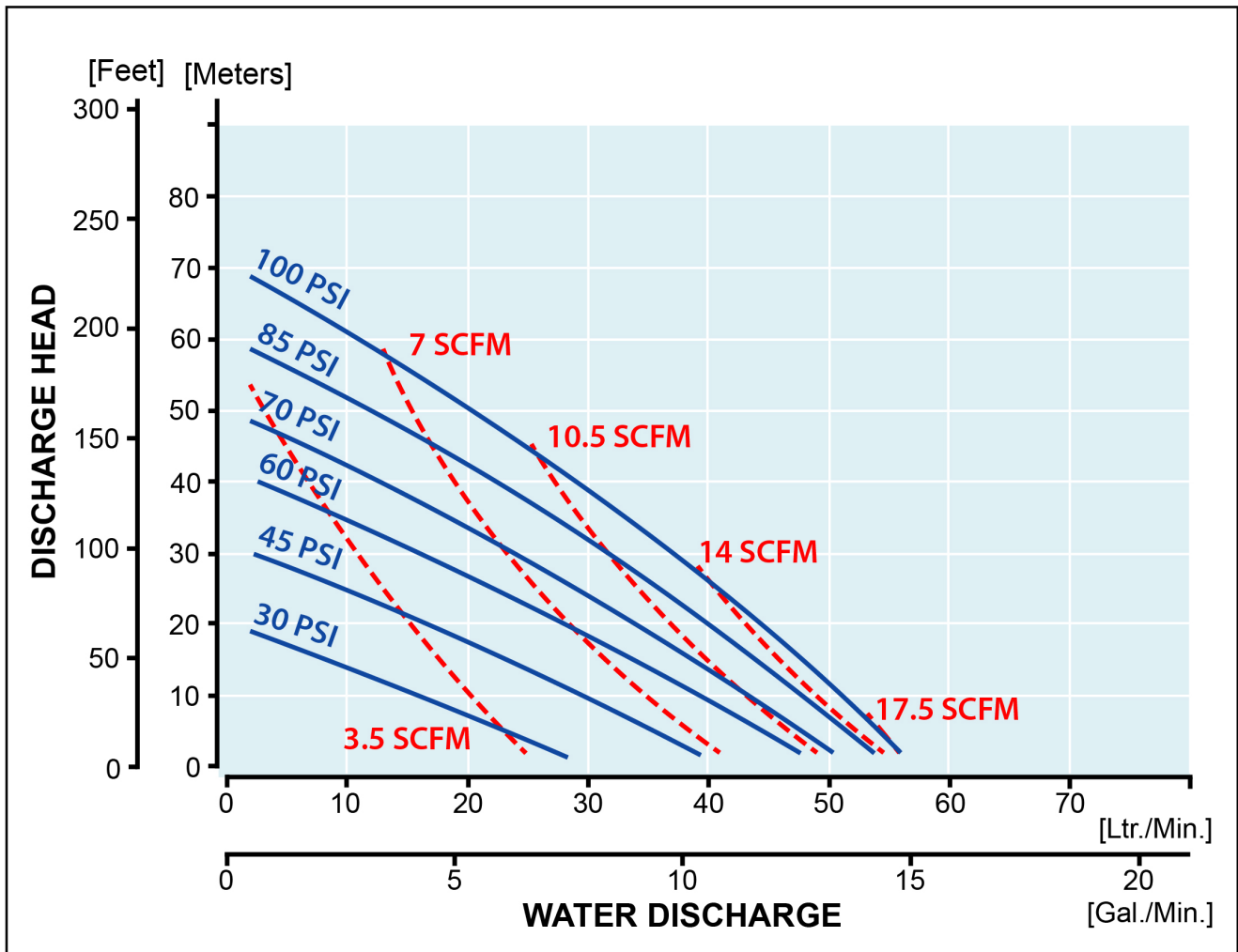
G15AT Performance Curve

G15 PTFE Diaphragm Performance Curve (Aluminum)



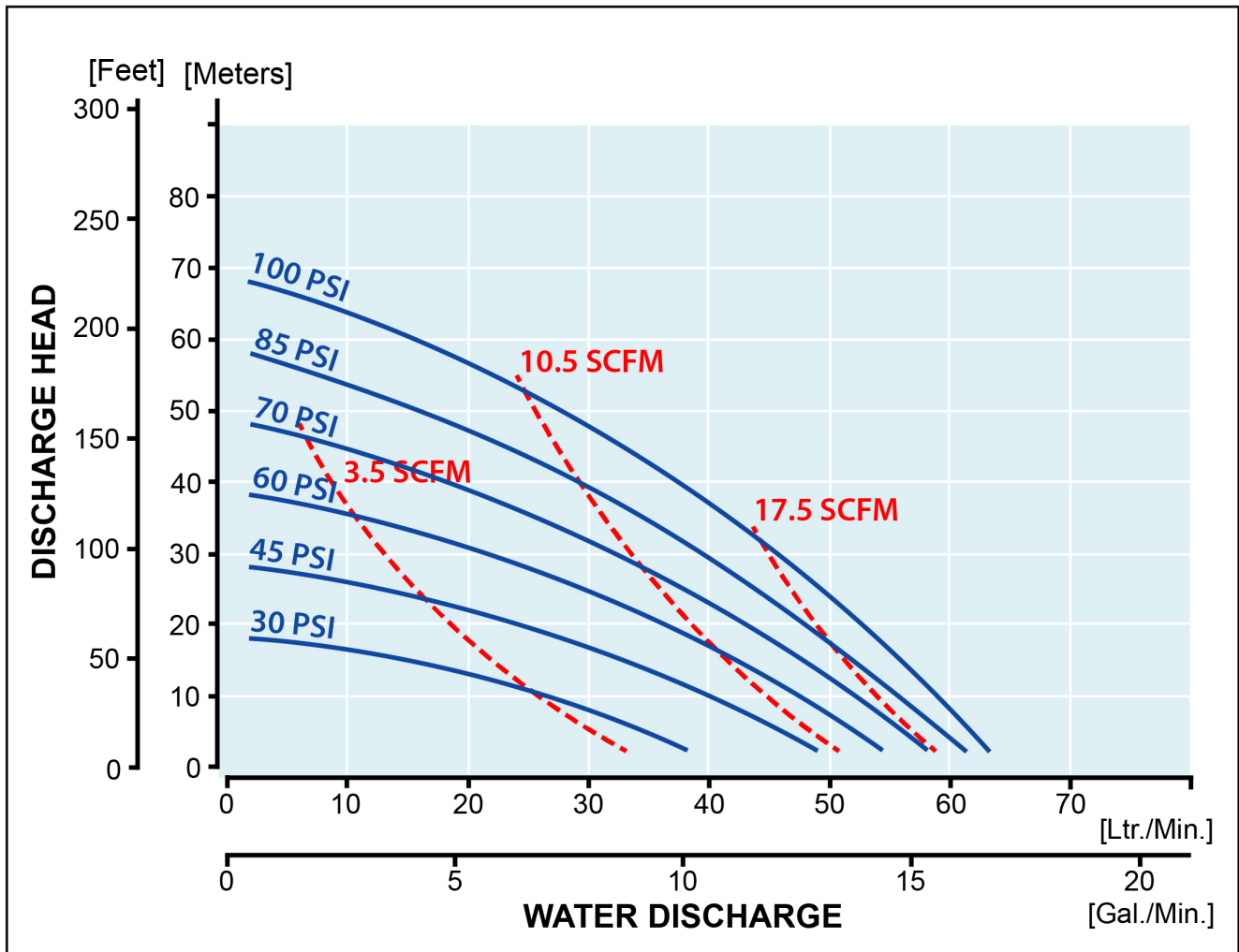
G15S Performance Curve (all)

G15 Rubber & PTFE Diaphragm Performance Curve (Stainless Steel)

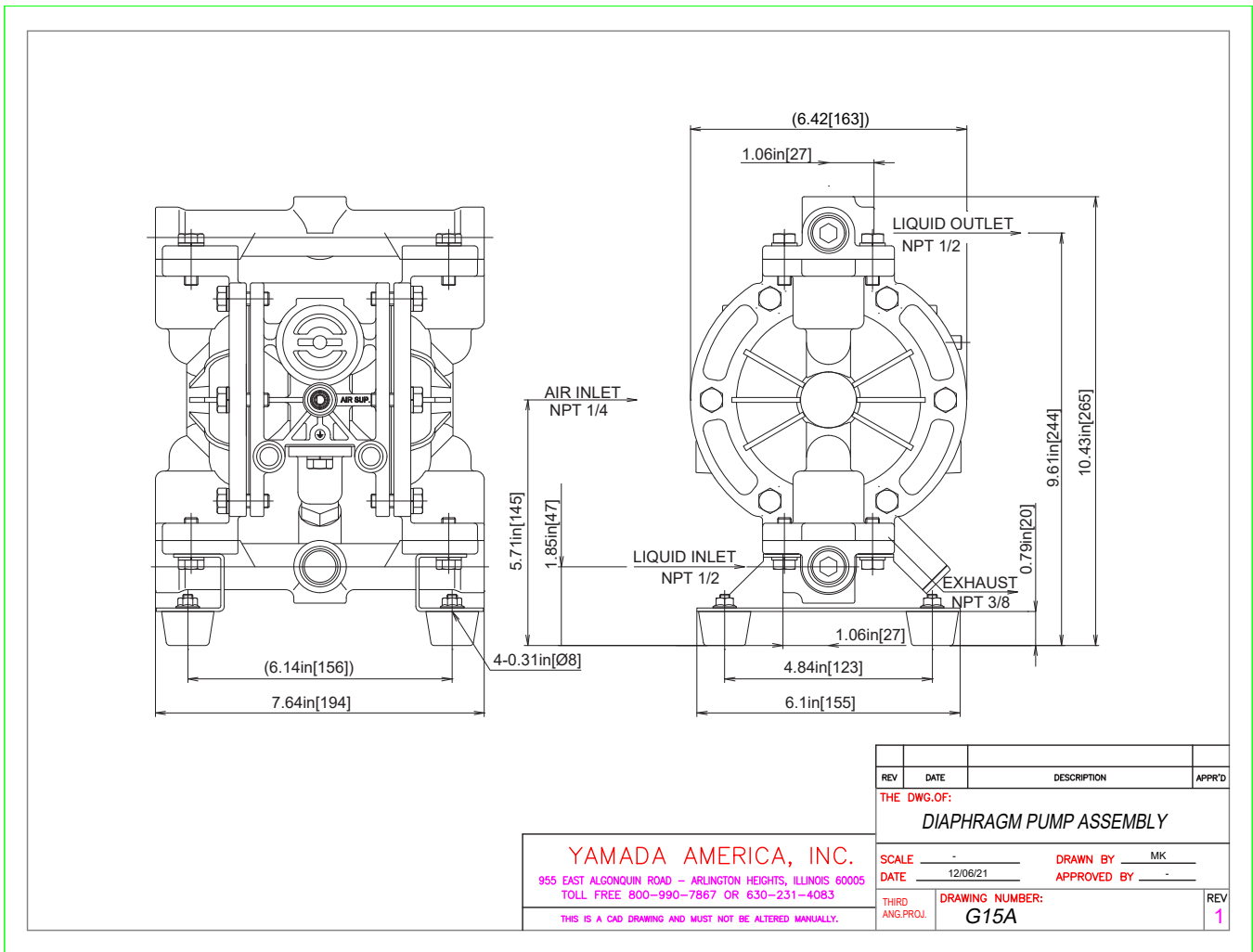


G15 Plastic Performance Curve (all)

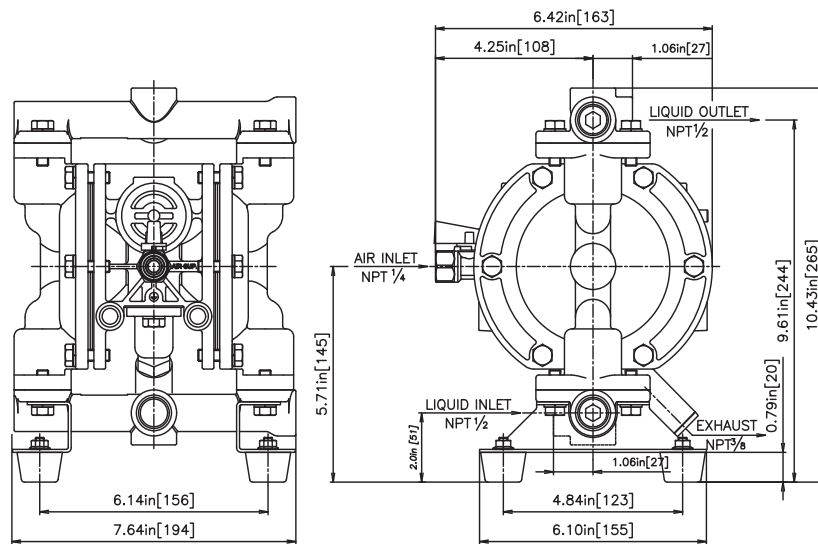
G15 Rubber & PTFE Diaphragm Performance Curve (Polypropylene & Kynar®)



G15 Aluminum



G15 Stainless Steel



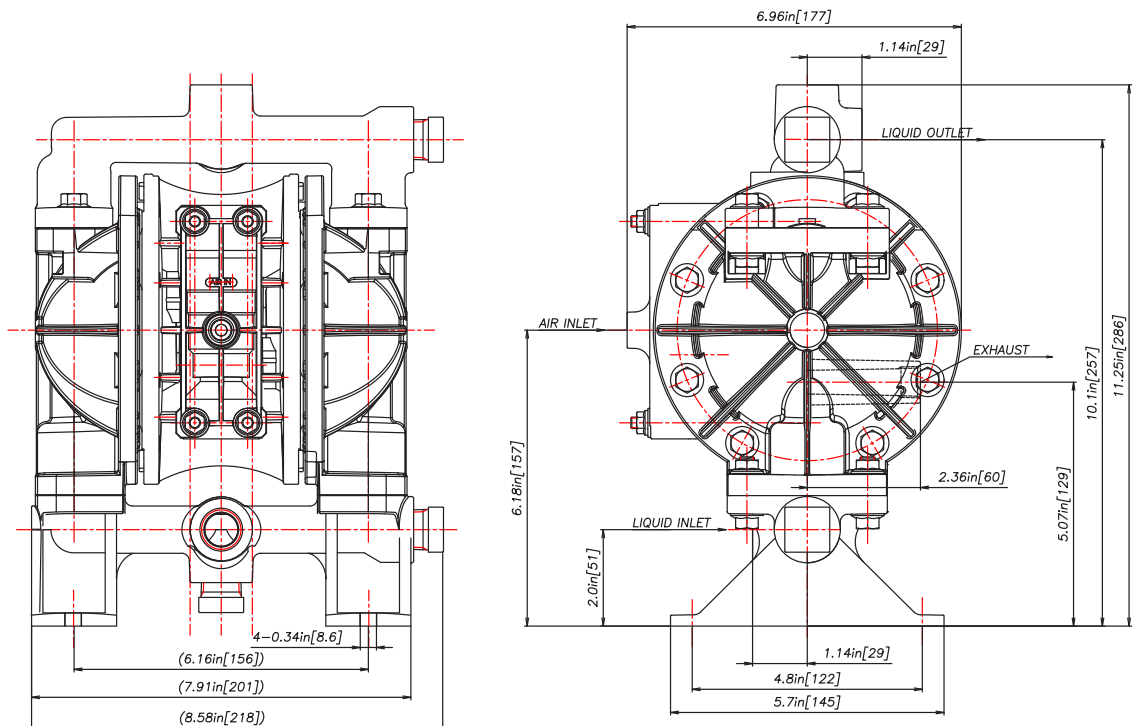
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REV	DATE	DESCRIPTION	APPRD
THE DWG.OF:			
YAMADA DIAPHRAGM PUMP			
SCALE	NTS	DRAWN BY	MK
DATE	12/06/21	APPROVED BY	PR
THIRD ANG.PROJ.	DRAWING NUMBER:	G15S	
			REV 1

G15 Polypropylene



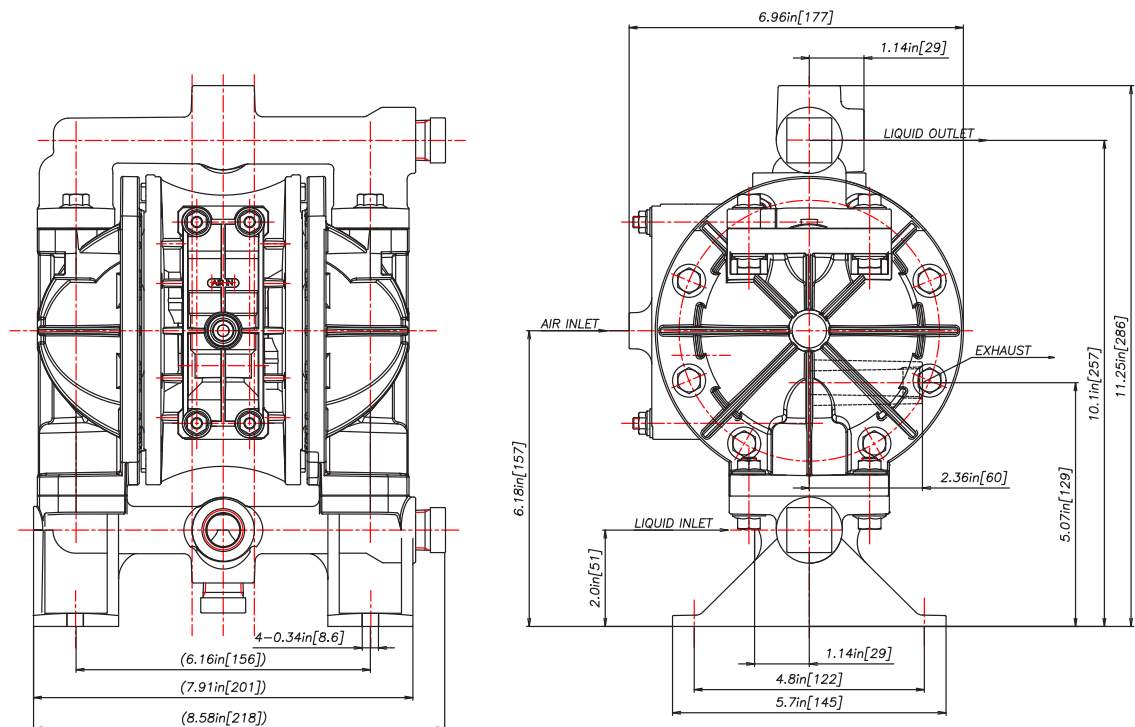
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REV	DATE	DESCRIPTION	APPR'D
THE DWG. OF:			
DIAPHRAGM PUMP ASSEMBLY			
SCALE	NTS	DRAWN BY	MK
DATE	12/07/21	APPROVED BY	PR
THIRD ANG PROJ.	DRAWING NUMBER:	REV	
	G15P	1	

G15 Kynar



REV	DATE	DESCRIPTION	APPR'D
THE DWG. OF:			
DIAPHRAGM PUMP ASSEMBLY			
SCALE: NTS		DRAWN BY: MK	
DATE: 12/07/21		APPROVED BY: PR	
THIRD ANG. PROJ.		DRAWING NUMBER: G15V	REV 1

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