

# Air Operated Double Diaphragm Pump



**GLOBESTAR**  
BETTER OUTPUT, ALWAYS

## GADP – Air Operated Double Diaphragm Pump

Air operated diaphragm pumps are used for industrial applications. They can easily handle from clean, light viscosity fluids to corrosive, abrasive medium viscosity fluids and can transfer large particles without damage. They may be used in potentially explosive and hazardous areas.

GADP Series pumps offer the ability to vary the flow outlet and discharge pressure as slow as

0.26 GPM (1 liter) to 275 GPM (1040 liter) for our larger sizes and adjust fluid pressure up To 125 PSI (8.6 bar), by using just an air filter

GADP Series diaphragm pumps feature an unbalanced valve design, which eliminates Valve centering and pump stall-out-even under low air inlet pressures

### Why GADP diaphragm pumps?

- Sealless Design
- Can Run Dry Without Damage
- Low Material Shear
- Portable and Self Priming
- Ease of Maintenance
- Easy-to-Install

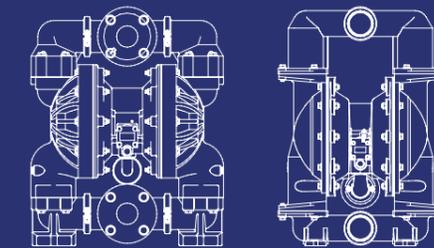
## WORKING SEGMENT



GADP non-metallic offering consists of polypropylene and PVDF.

All GADP pumps are available with convoluted diaphragms offering long Lasting life and reduced maintenance.

## HOW TO SELECT OUR MODEL



For Example

Pump Series	Pump Model	Pump M.O.C.	Diaphragm M.O.C.	NRV Ball M.O.C.	Connection Type	
GADP	300	P	T	N	F	= GADP-300 PTNF

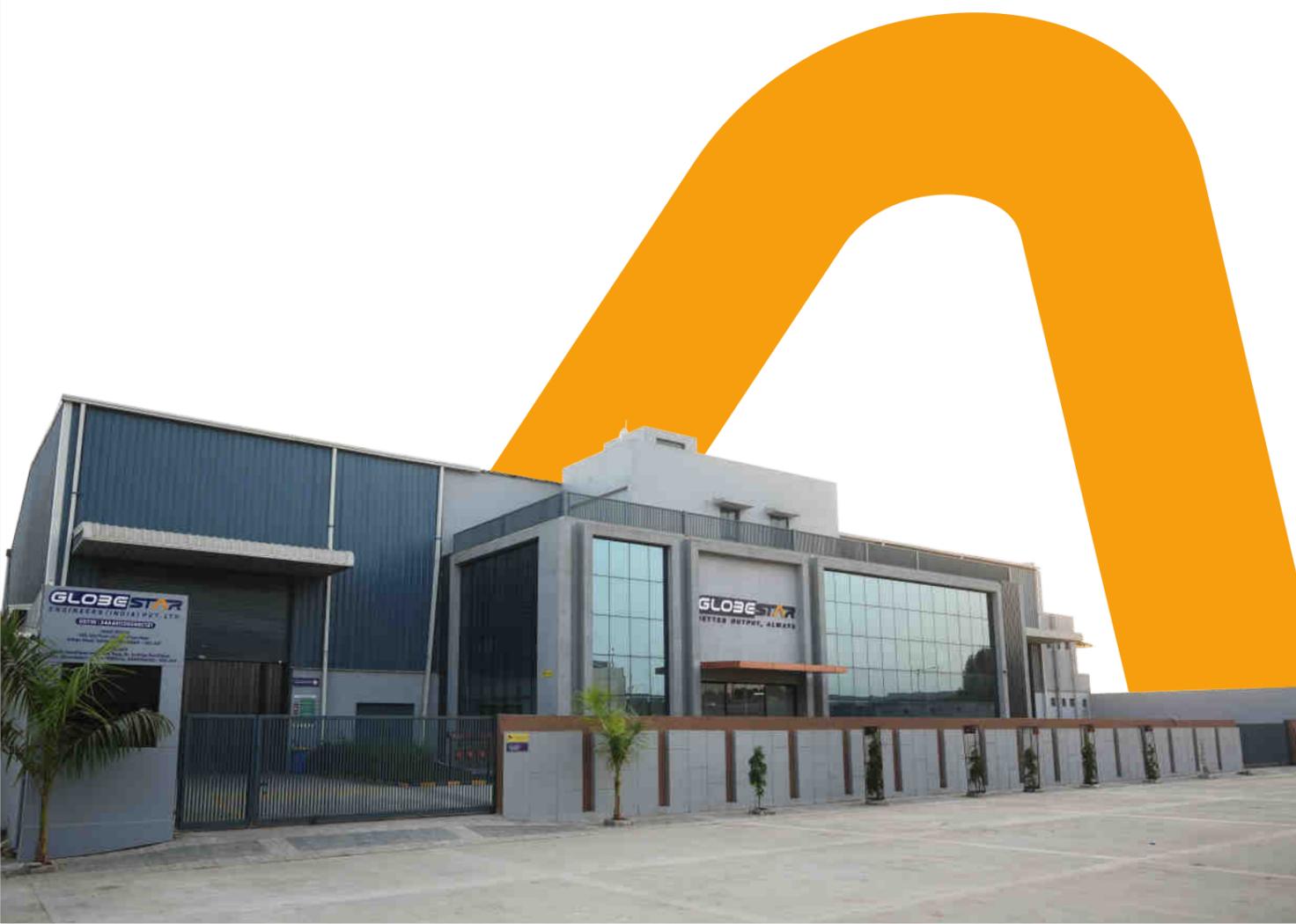
Material	Short Coding
Aluminum	A
Polypropylene	P
PVDF	PV
Stainless Steel 304	S304
Stainless Steel 304-L	S304L
Stainless Steel 316	S316
Stainless Steel 316-L	S316L
Neoprene Buna	N
Teflon	T
Sentoprene	S
Thread type	T
Flange Type	F

PP AODD Pumps are positive displacement pumps powered by compressed air, designed for safe and efficient transfer of Hazardous, corrosive, abrasive, and chemical fluids. These pumps are self-priming, dry-run safe, and suitable for hazardous and non-hazardous areas.

### Compliance & Standards



as per Industrial Needs.

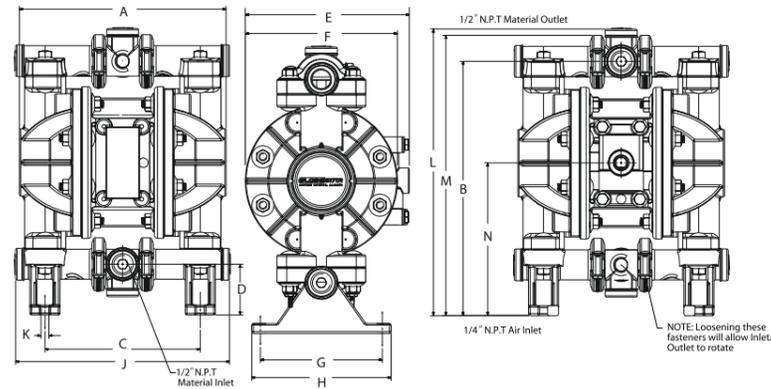


## NON METALIC PUMP SELECTION CHART



MODEL	GADP 150	GADP 300	GADP 400	GADP 500	GADP 800
FLUID PORT (IN X OUT)	1/2" X 1/2"	1" X 1"	1 1/2" X 1 1/2"	2" X 2"	3" X 3"
MAX FLOW LPM	49 LPM	178 LPM	378 LPM	549 LPM	1000 LPM
MAX DISCHARGE PRESSURE PSI	100 PSI	120 PSI	120 PSI	120 PSI	120 PSI
MAX DISCHARGE PRESSURE BAR	6.9 BAR	8.3 BAR	8.3 BAR	8.3 BAR	8.3 BAR
MAX SOFT SOLID HANDLE	2.4 MM	3.2 MM	6.4 MM	6.4 MM	9.5 MM
CONNECTION	THREAD	FLANGE	FLANGE	FLANGE	FLANGE
DIAPHRAGM/NRV BALL	TEFLON/ RUBBER	TEFLON/ RUBBER	TEFLON/ RUBBER	TEFLON/ RUBBER	TEFLON/ RUBBER
RATIO	1:1	1:1	1:1	1:1	1:1
SOUND LEVEL	75.0 db	64.5 db	78.0 db	78.0 db	86.0 db
MUFFLER	INTEGRAL, INCLUDED	INTEGRAL, INCLUDED	INTEGRAL, INCLUDED	INTEGRAL, INCLUDED	INTEGRAL, INCLUDED
AIR INLET	1/4" BSP	1/4" BSP	1/2" BSP	1/2" BSP	1/2" BSP
AIR EXHAUST	1/2" BSP	1/2" BSP	1/2" BSP	3/4" BSP	3/4" BSP
SUCTION LIFT DRY	4.5 MTR	4.6 MTR	4.27 MTR	4.27 MTR	5.4 MTR
BODY MOC CHART	PP, PVDF				

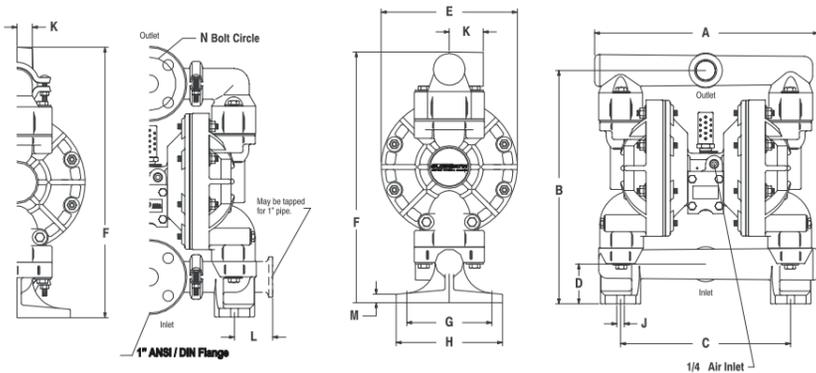
### 1/2" GADP 150 - G.A Drawing & Performance Curve



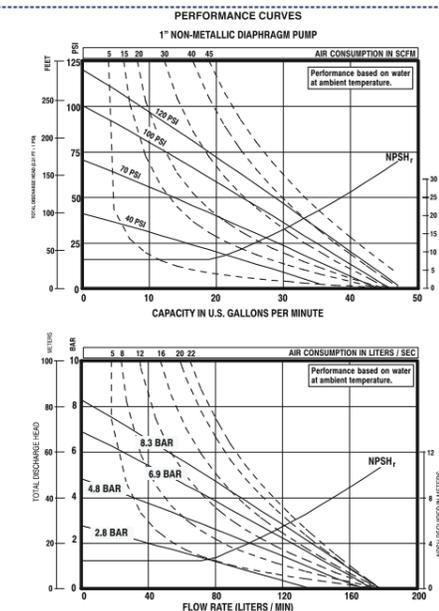
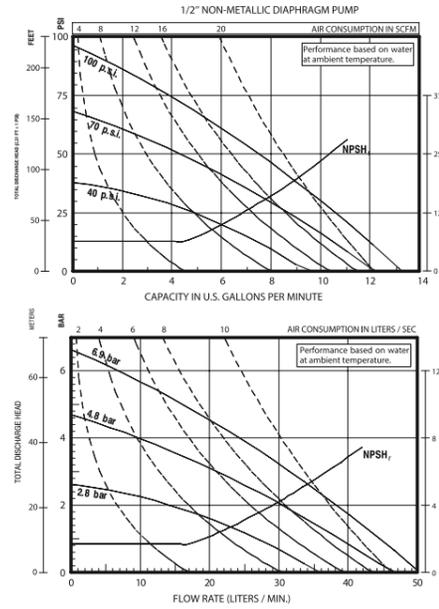
NOTE: Dimensions are shown in inches and (mm) and are supplied for reference only.

A - 207.1 mm	E - 164 mm	J - 215 mm
B - 255 mm	F - 152 mm	K - 8 mm
C - 155.8 mm	G - 122.2 mm	L - 288 mm
D - 51 mm	H - 140 mm	M - 282 mm
		N - 153 mm

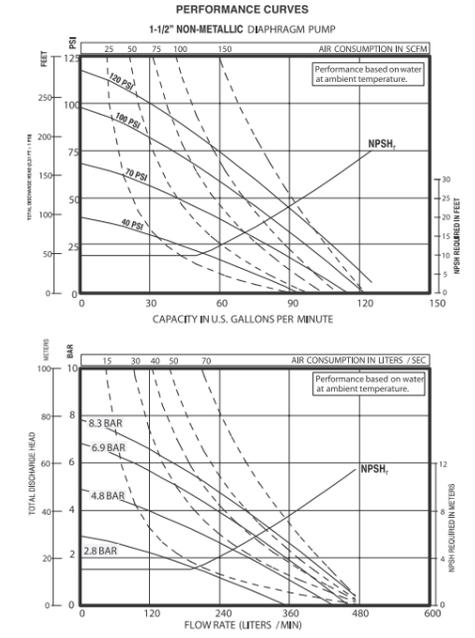
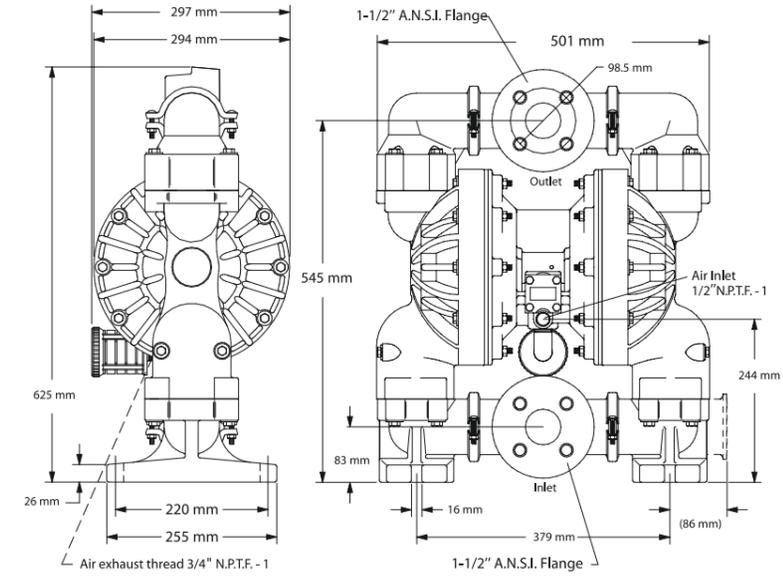
### 1" GADP 300 - G.A Drawing & Performance Curve



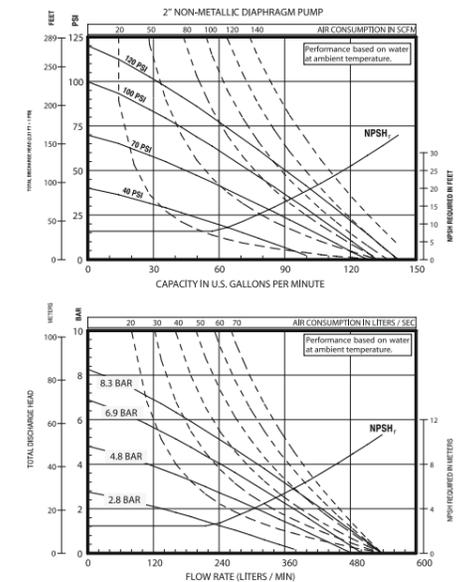
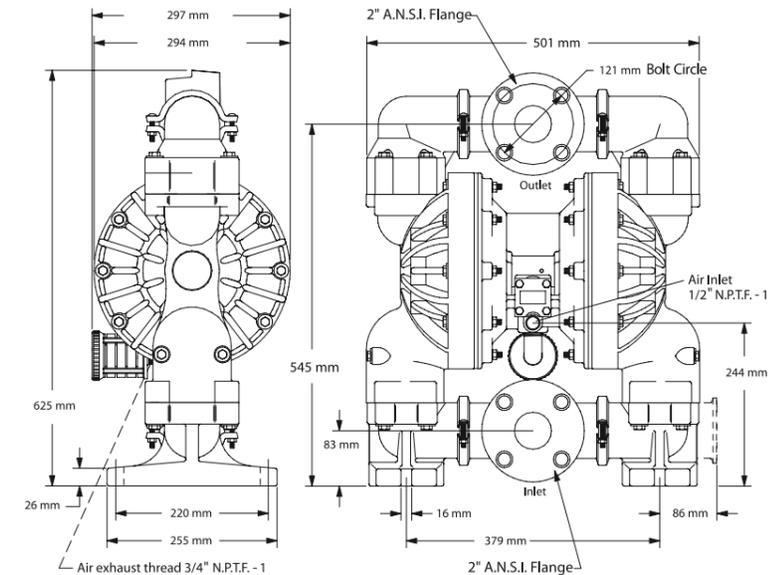
A - 321 mm	E - 204 mm	J - 11 mm
B - 349 mm	F - 406 mm	K - 23 mm
C - 255 mm	G - 128 mm	L - 57 mm
D - 60 mm	H - 160 mm	M - 13 mm
		N - 80 mm



### 1 1/2" GADP 400 - G.A Drawing & Performance Curve



### 2" GADP 500 - G.A Drawing & Performance Curve



The GADP range of diaphragm pumps offers many materials of construction compatible for the Chemical industry: Our metallic offering consists of aluminum, stainless steel and hastalloy. As per need ANSI/DIN FLANGE connection available for pipeline connection

Metallic AODD Pumps are positive displacement pumps powered by compressed air, designed for safe and efficient transfer chemical, oil, solvent, ink, pharma, ceramic, paint, cosmetic, food and many more. These pumps are self-priming, dry-run safe, and suitable for hazardous and non-hazardous areas.

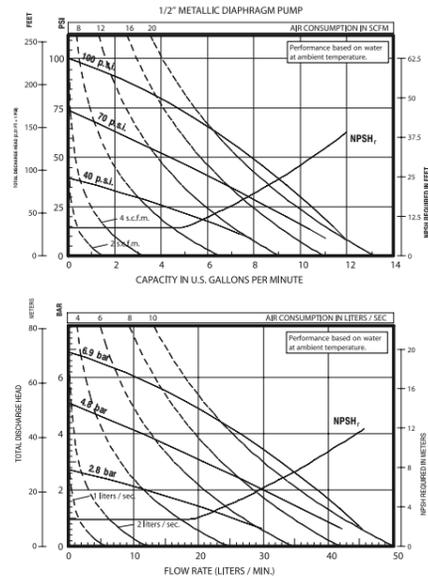
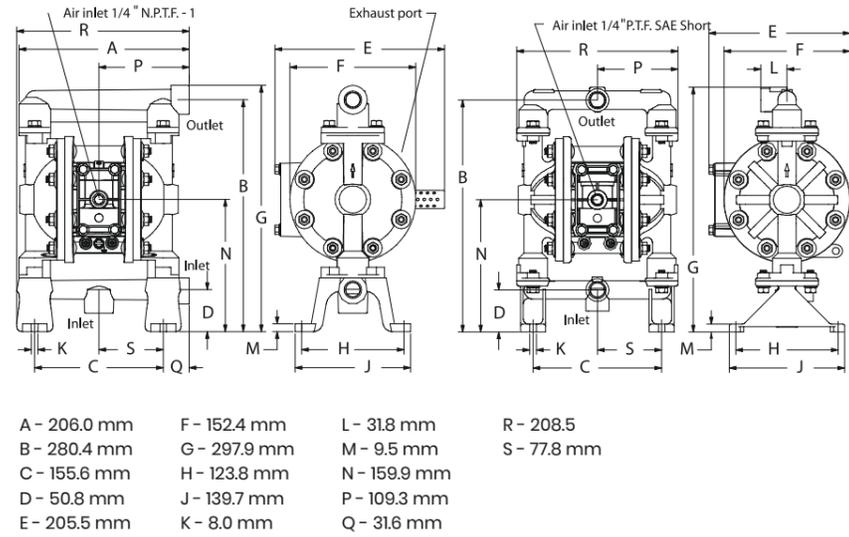
In this various option for diaphragm and nrv ball as per liquid specification like TEFLON, SENTOPRENE, NEOPRENE, BUNA in NRV BALL, TEFLON, SS, RUBBER

# METALIC PUMP SELECTION CHART

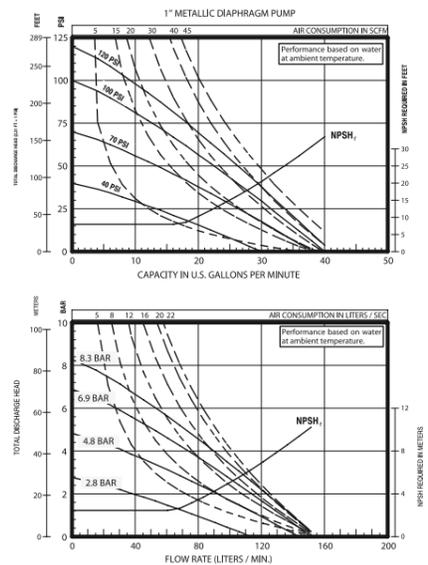
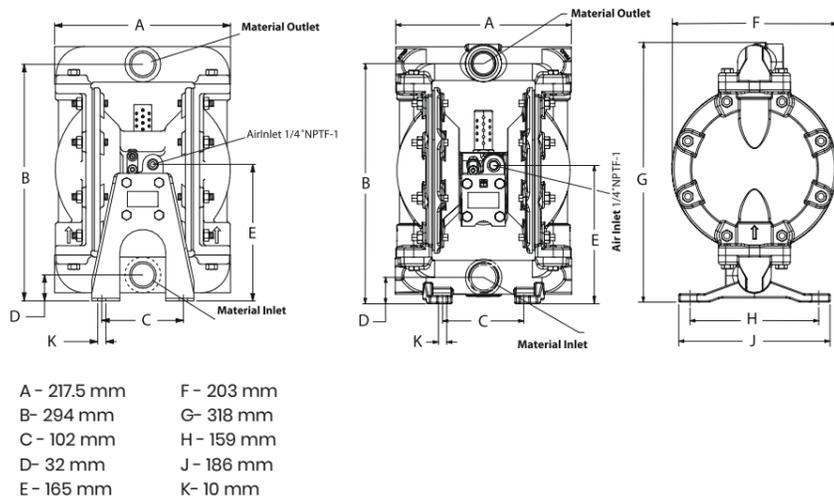


MODEL	GADP 150	GADP 300	GADP 400	GADP 500	GADP 800
INLET X OUTLET SIZE	1/2" X 1/2"	1" X 1"	1 1/2" X 1 1/2"	2" X 2"	3" X 3"
MAX FLOW LPM	45 LPM	133 LPM	341 LPM	651 LPM	897 LPM
MAX DISCHARGE PRESSURE PSI	100 PSI	120 PSI	120 PSI	120 PSI	120 PSI
MAX DISCHARGE PRESSURE BAR	6.9 BAR	8.3 BAR	8.3 BAR	8.3 BAR	8.3 BAR
MAX SOFT SOLID HANDLE	2.4 MM	3.2 MM	6.4 MM	6.4 MM	9.5 MM
CONNECTION	THREAD	THREAD/FLANGE	THREAD/FLANGE	THREAD/FLANGE	THREAD/FLANGE
DIAPHRAGM/NRV BALL	TEFLON/RUBBER	TEFLON/RUBBER	TEFLON/RUBBER	TEFLON/RUBBER	TEFLON/RUBBER
RATIO	1:1	1:1	1:1	1:1	1:1
SOUND LEVEL	75.0 db	64.5 db	78.0 db	78.0 db	86.0 db
MUFFLER	INTEGRAL, INCLUDED				
AIR INLET	1/4" BSP	1/4" BSP	1/2" BSP	1/2" BSP	1/2" BSP
AIR EXHAUST	1/2" BSP	1/2" BSP	1/2" BSP	3/4" BSP	3/4" BSP
SUCTION LIFT DRY	4.5 MTR	6.1 MTR	5.8 MTR	8.3 MTR	5.4 MTR
BODY MOC CHART	ALUMINIUM, SS 304, SS 316, SS 304 L, SS 316 L	ALUMINIUM, SS 304, SS 316, SS 304 L, SS 316 L	ALUMINIUM, SS 304, SS 316, SS 304 L, SS 316 L	ALUMINIUM, SS 304, SS 316, SS 304 L, SS 316 L	ALUMINIUM, SS 304, SS 316, SS 304 L, SS 316 L

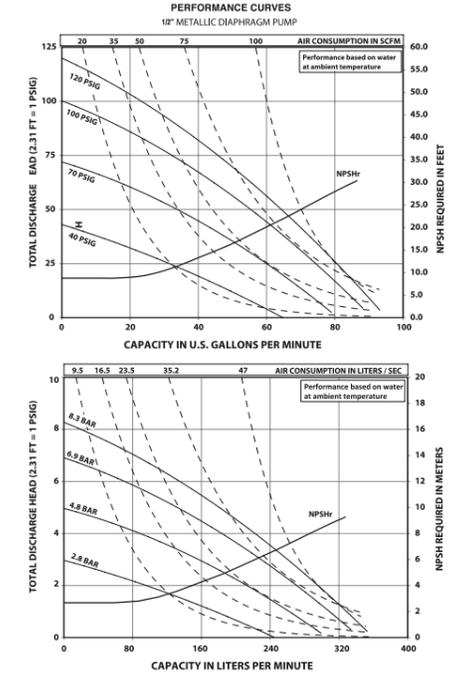
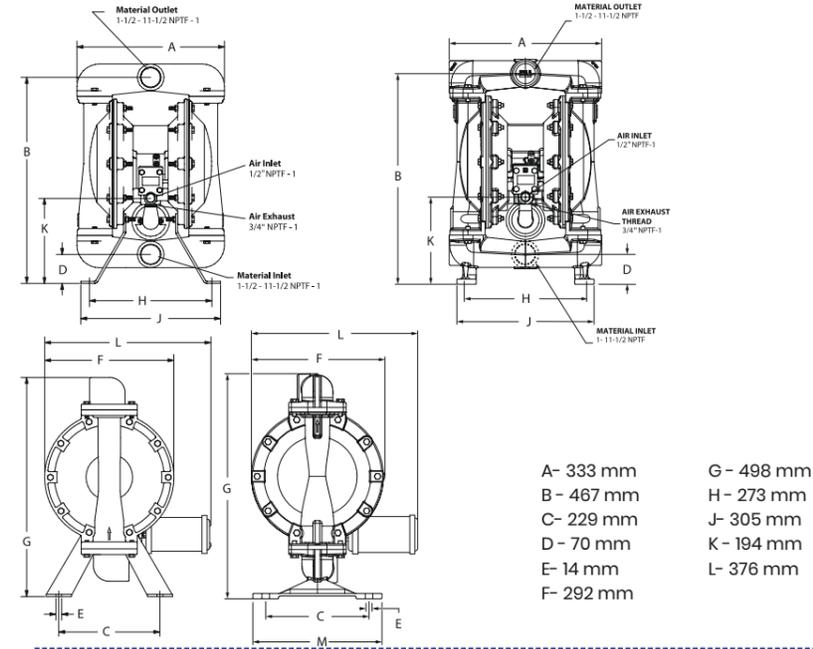
## 1/2" GADP 150 - G.A Drawing & Performance Curve



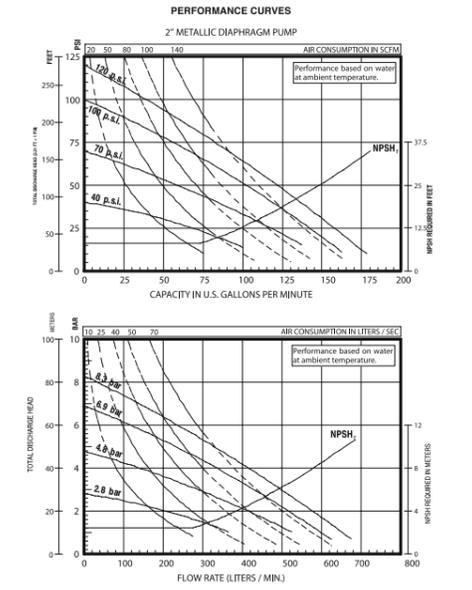
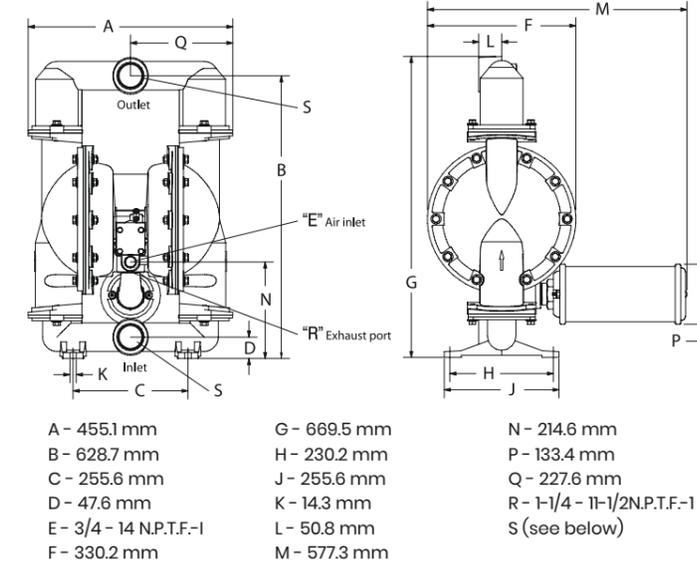
## 1" GADP 300 - G.A Drawing & Performance Curve



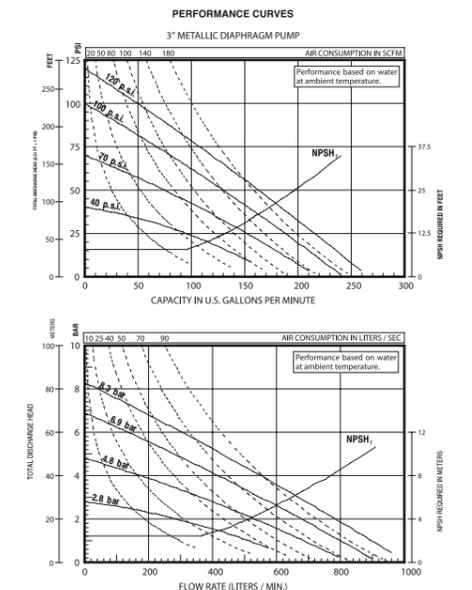
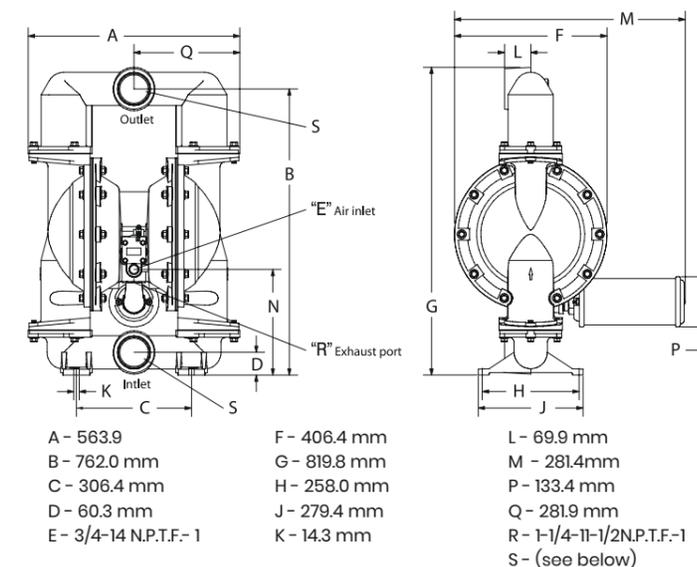
## 1 1/2" GADP 400 - G.A Drawing & Performance Curve



## 2" GADP 500 - G.A Drawing & Performance Curve



## 3" GADP 800 - G.A Drawing & Performance Curve



Disclaimer: All the data/figures/ and specifications are indicative only and subject to change & may vary based on product application/ operating conditions.



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