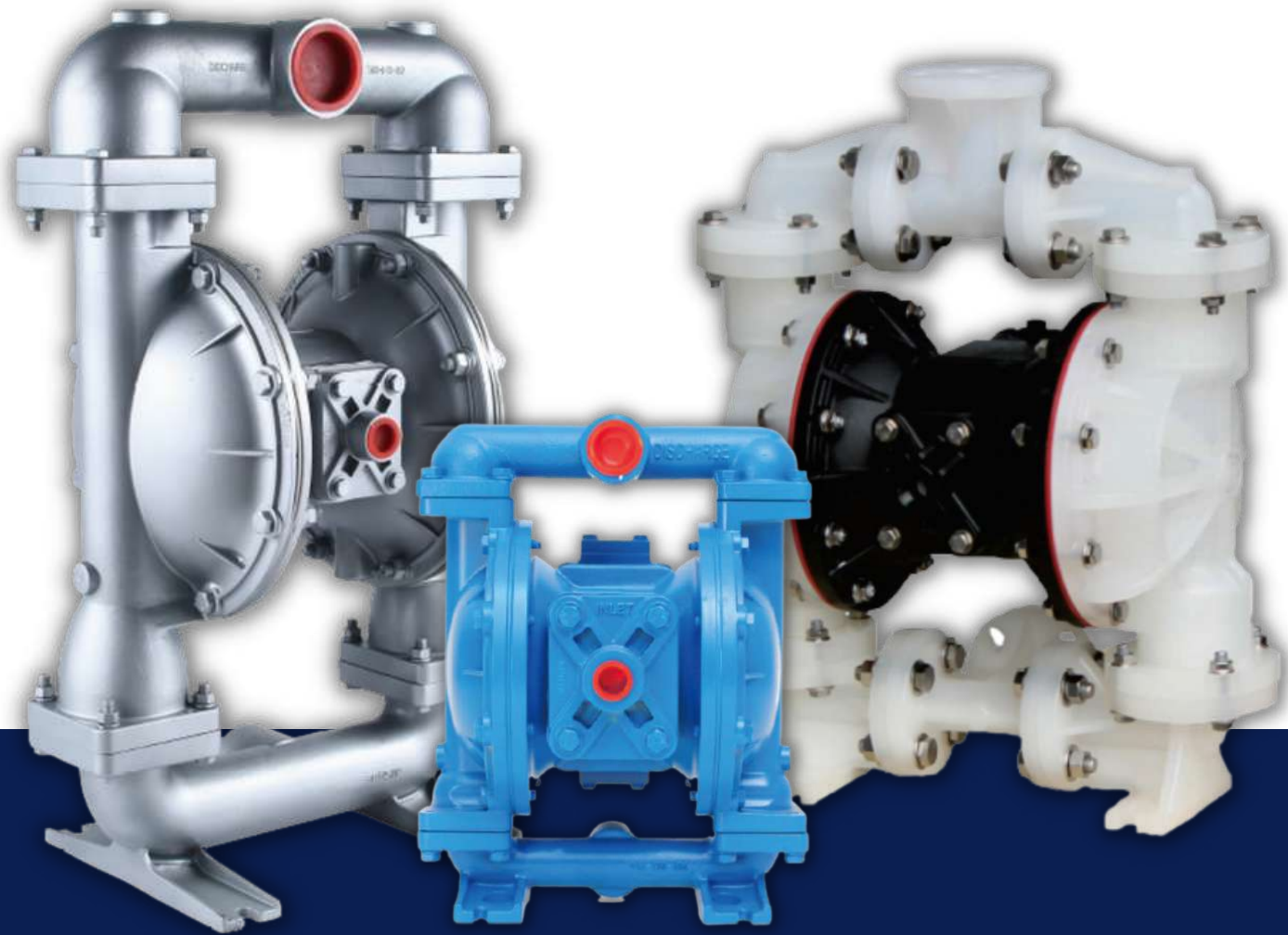


BOMBAS NEUMATICAS INDUSTRIALES
FLUID-SUPPLY SERIES AODD PUMP



FLUID-SUPPLY.COM

CENTROS DE DISTRIBUCIÓN



SERIES AODD PUMP

**S-SERIES
SF1 METALLIC**

SUCTION/DISCHARGE PORT SIZE

- 1" NPT (internal)
- 1" BSP Tapered (internal)

DISPLACEMENT/STROKE

- 11 Gallon I .42 liter

CAPACITY

- 0 to 46 gallons per minute
(0 to 17 4 liters per minute)

MAXIMUM OPERATING PRESSURE

- 125 psi (8.6 bar)

AIR DISTRIBUTION VALVE

- No-lube, no-stall design

SOLIDS-HANDLING

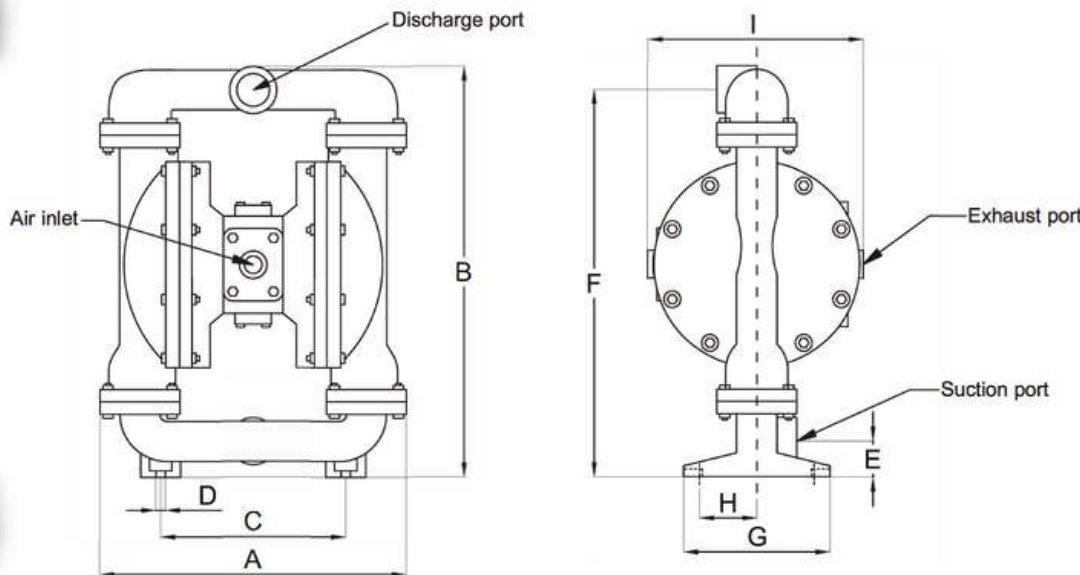
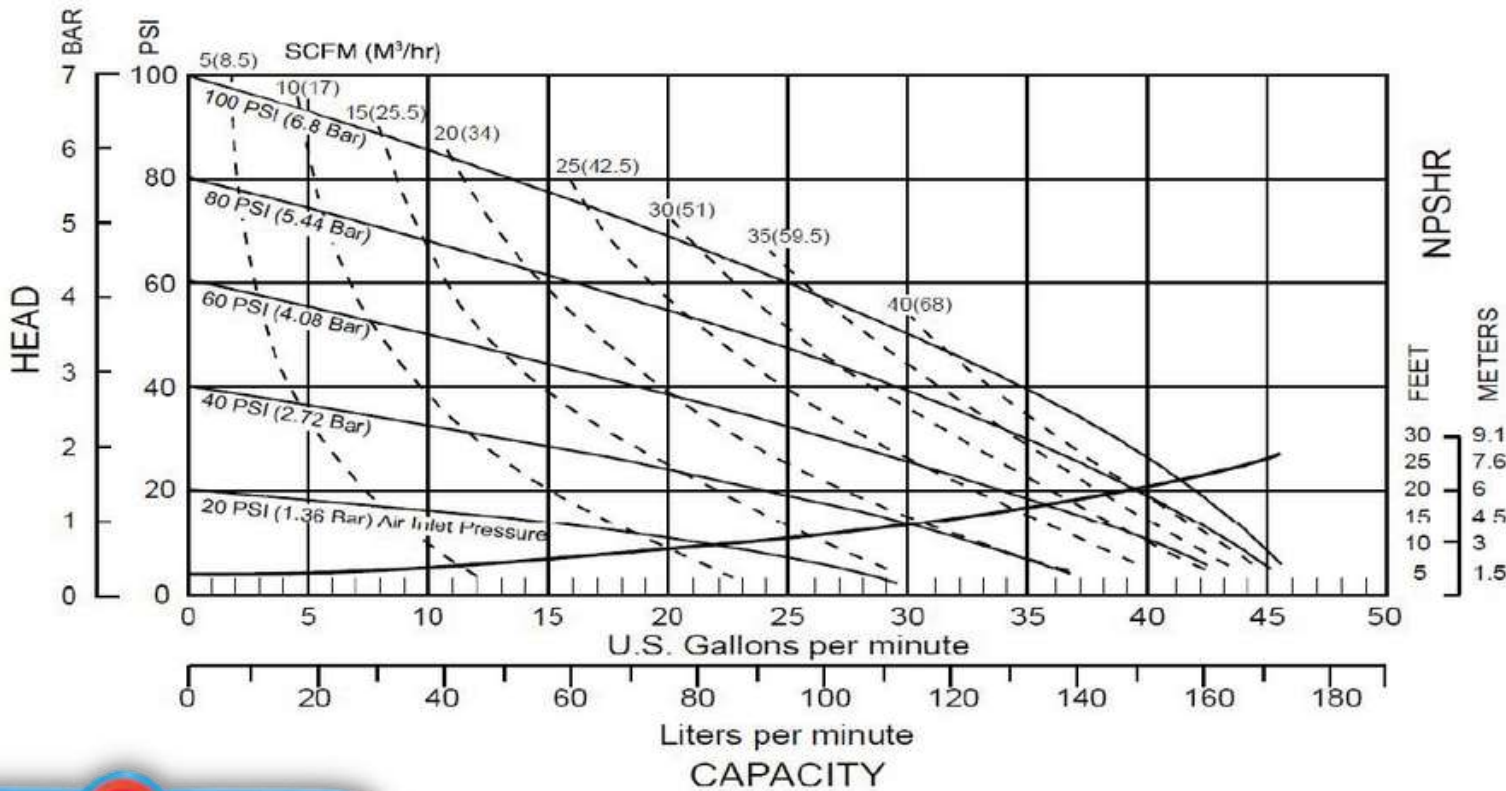
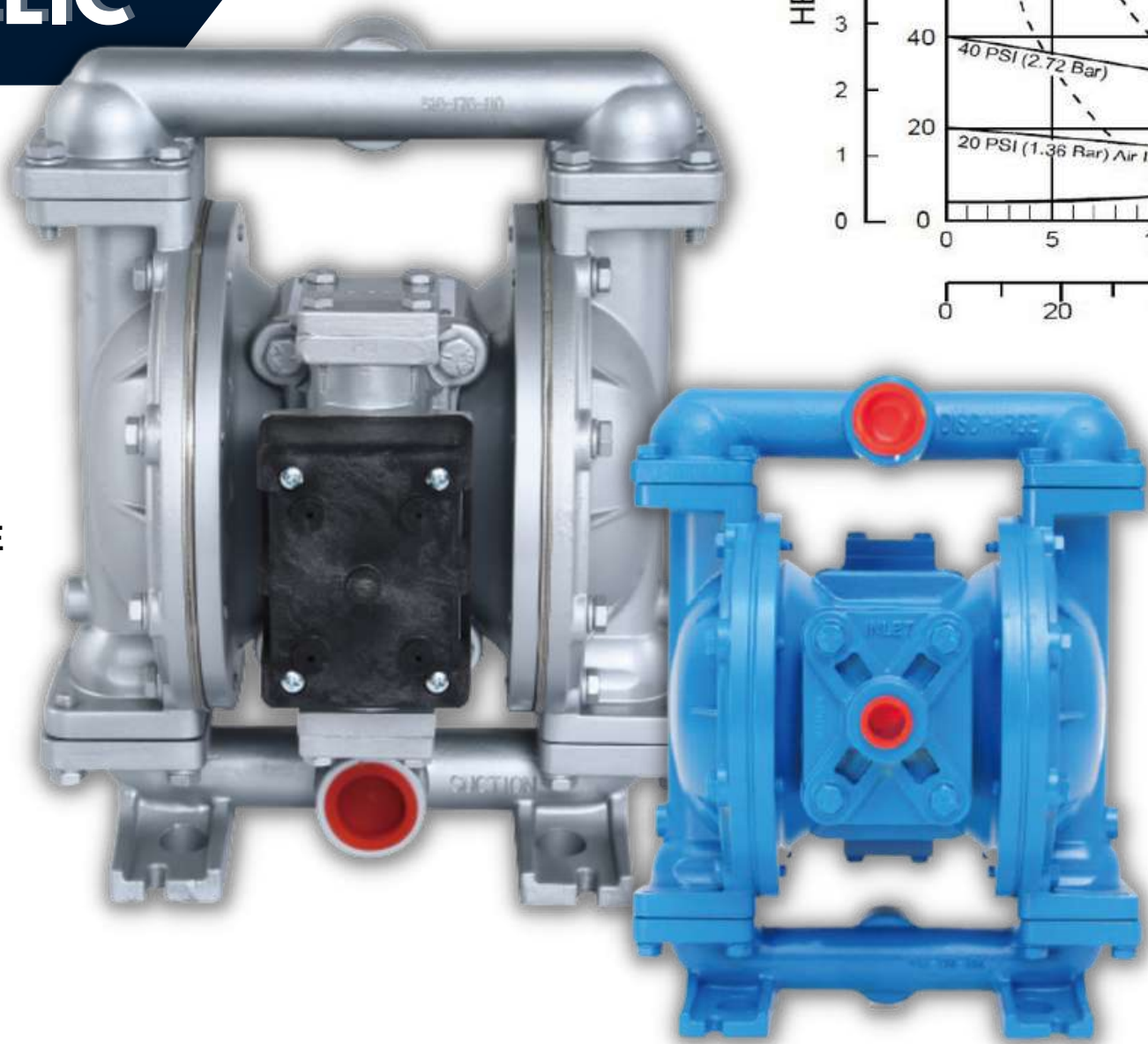
- Up to .25 in. (6mm)

HEADS UP TO

- 125 psi or 289 ft. of water
(8.6 Kg/cm2 or 86 meters)

ATEX Detail

	ATEX Detail	Wetted Material Options	Non-Wetted Material Options	Pump Options	Kit Options
	II 1G c T5 II 1D c T100°C I M1 c I M2 c	H, I, S	I, Z	6	00
	II 2G c T5 II 2D c T100°C	A, H, I, S, X	A, I, Y, Z	6	00
	II 2G Ex ia c IIC T5 II 2D Ex c iaD 20 IP67 T100°C	A, H, I, S, X	A, I, Y, Z	6	P1
	II 2G EExm c II T5 II 2D c IP65 T100°C	A, H, I, S, X	A, I, Y, Z	6	A1, A2, A3, A4



Dimension Tolerance :±3mm or ±0.125"

Pump Model	Port Size	Air Inlet Size	Exhaust Port Size	A	B	C	D	E	F	G	H	I mm/inches	Weight (kg)
				mm inches	mm inches	mm inches	mm inches	mm inches	mm inches	mm inches	mm inches	standard muffler metal muffler	
S1F	1"NPT/BSP	1/2"NPT	1"NPT	260 10.2"	326 12.8"	172 6.8"	8 0.32"	31 1.2"	304 12.0"	127 5"	48 1.9"	264 10.4" 319 12.6"	AL:11.4 SS:18.4

SERIES AODD PUMP

S-SERIES
SF1 NON -METALLIC

SUCTION/DISCHARGE PORT SIZE

- 1" ANSI Flange or
PN10 25mm DIN Flange

CAPACITY

- 0 to 54 gallons per minute
(0 to 204 liters per minute)

AIR DISTRIBUTION VALVE

- No-lube, no-stall design

SOLIDS-HANDLING

- Up to .25 in. (6mm)

HEADS UP TO

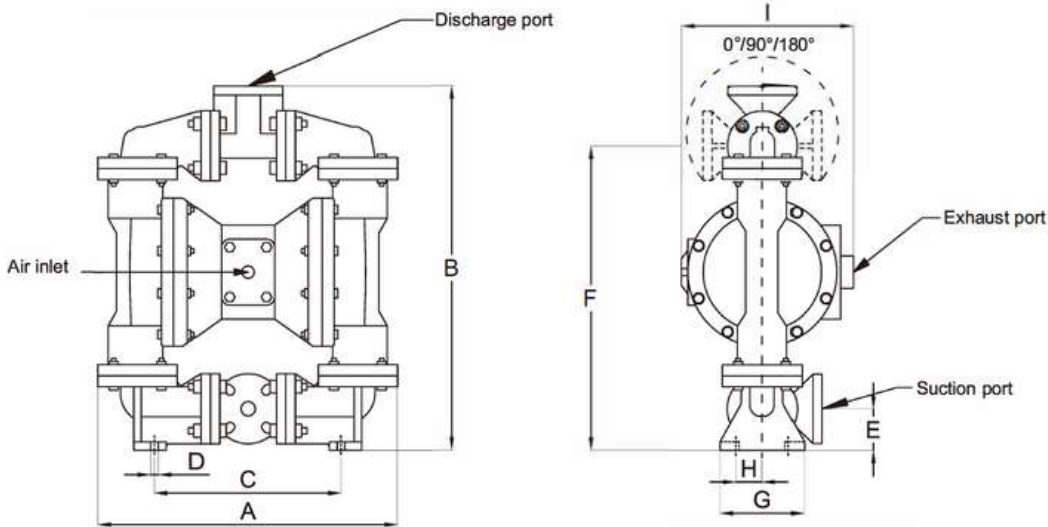
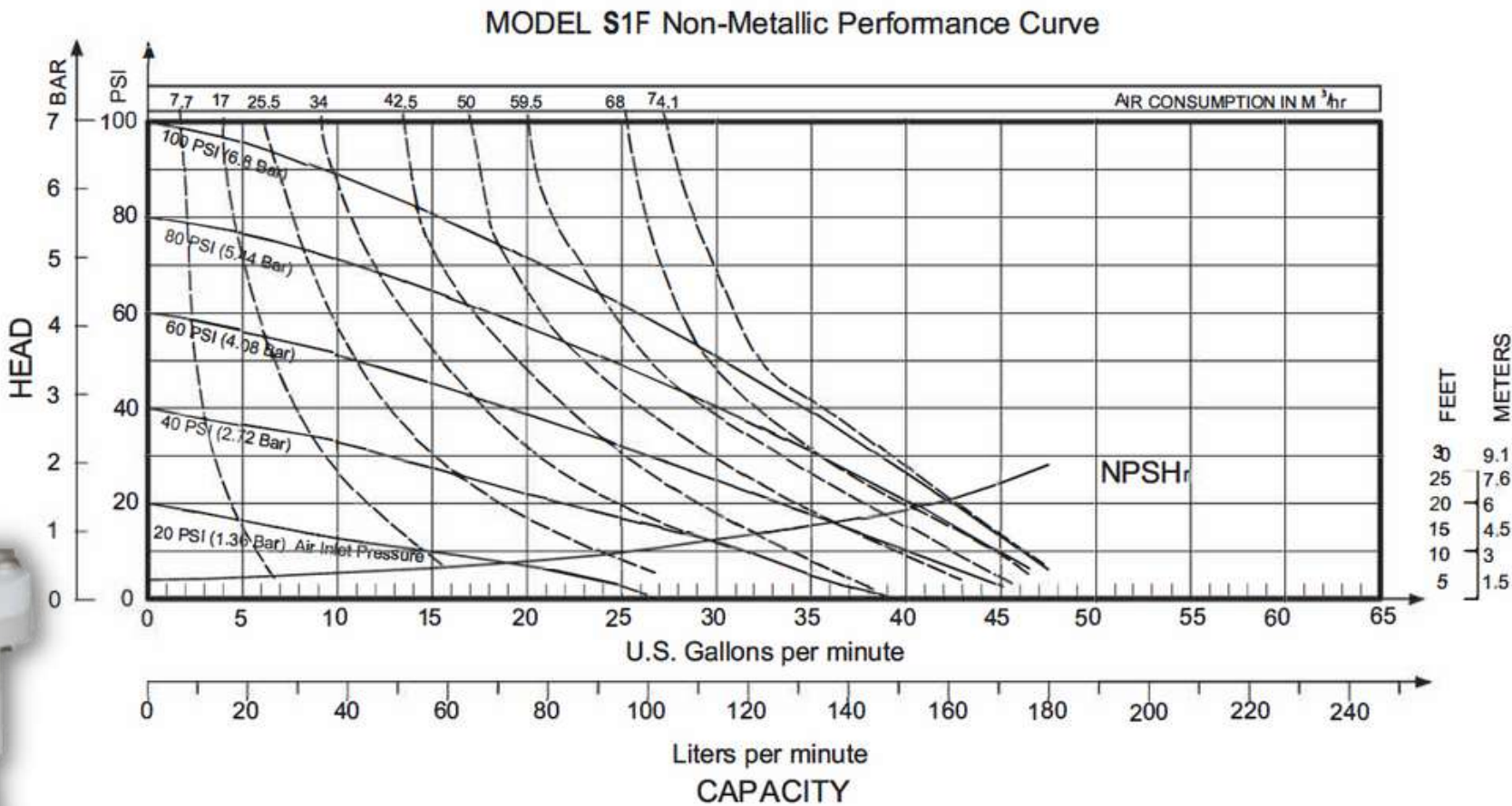
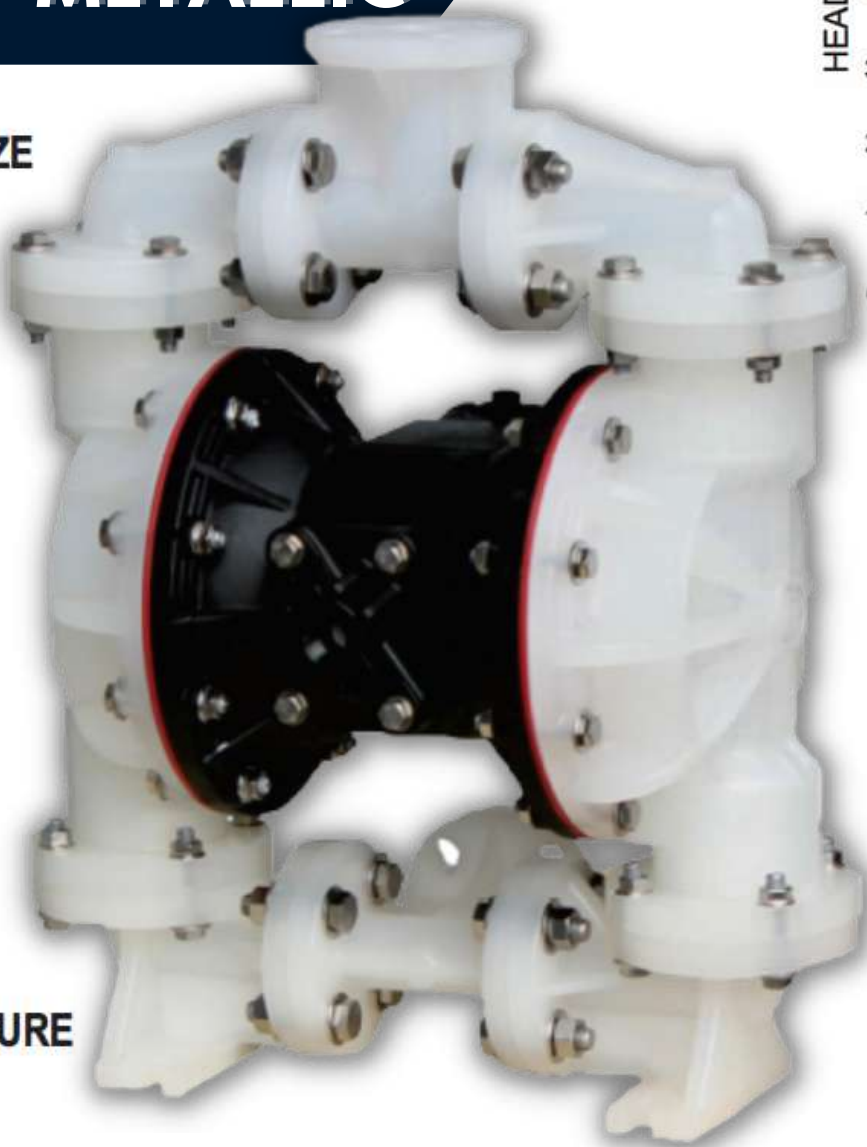
- 100 psi or 231 ft. of water
(7 bar or 70 meters)

DISPLACEMENT/STROKE

- .19 Gallon / .72 liter

MAXIMUM OPERATING PRESSURE

- 100 psi (7 bar)



Dimension Tolerance :±3mm or ±0.125"

ATEX Detail

	ATEX Details	Wetted Material Options	Non-Wetted Material Options	Pump Options	Kit Options
	II 1 G Ex h IIC T5...225°C (T2) Ga	C, V	C	6	00
	II 1D Ex h IIIC T100°C...T200°C Da				
	I M1 Ex h I Ma	C, V	C	0, 6	00
	II 2 G Ex h IIC T5...225°C (T2) Gb				
	II 2 D Ex h IIIC T100°C...T200°C Db				
	II 2 G Ex h ia IIC T5 Gb	C, V	C	0, 6	P1
	II 2 D Ex h ia IIIC T100°C Db				
	II 2 G Ex h mb IIC T5 Gb	C, V	C	0, 6	A1, A2, A3, A4
	II 2 D Ex h mb IIIC T100°C Db				

Pump Model	Port Size	Air Inlet Size	Exhaust Port Size	A	B	C	D	E	F	G	H	I mm/inches		Weight (kg)
				mm inches	mm inches	mm inches	mm inches	mm inches	mm inches	mm inches	mm inches	standard muffler	metal muffler	
S1FNM	1"150#Flange	1/2"NPT	1"NPT	433 17"	527 20.75"	259 10.2"	11 0.44"	63 2.5"	433 17"	130 5.1"	56 2"	300 11.8"	343 13.5"	PP:18.4 PVDF:22.6

SERIES AODD PUMP



S-SERIES S5 METALLIC

SUCTION/DISCHARGE PORT SIZE

- 1/2" NPT (Internal) or 1/2" BSP (Tapered)
- 1" NPT (External) or 1" BSP (Tapered)
- 1/2" Raised Face #150 ANSI Flanges - Stainless Steel ONLY

CAPACITY

- 0 to 16 gallons per minute
(0 to 60 liters per minute)

AIR DISTRIBUTION VALVE

- No-lube, no-stall design

SOLIDS-HANDLING

- Up to .125 in. (3mm)

HEADS UP TO

- 125 psi or 289 ft. of water
(8.6 bar or 86 meters)

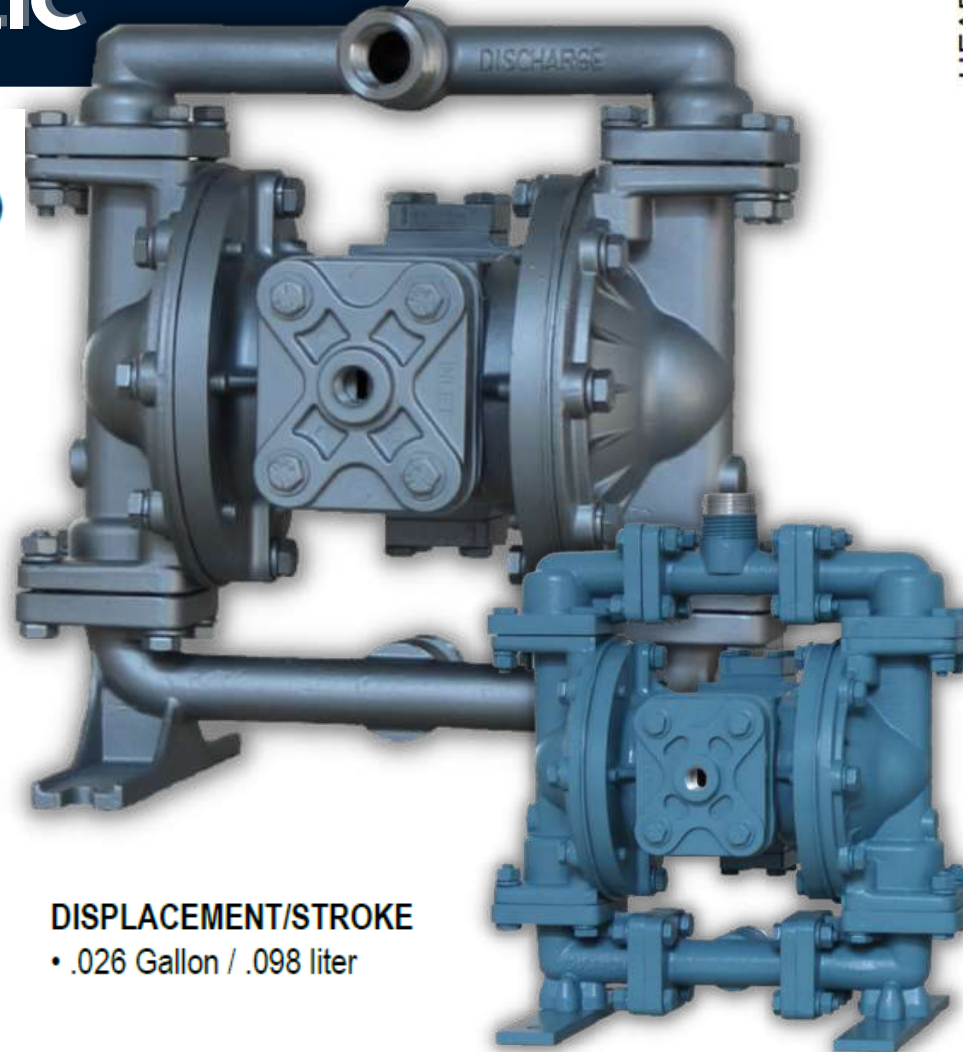
MAX OPERATING PRESSURE

- 125 psi (8.6 bar) metallic center
- 100 psi (7 bar) non-metallic center

ATEX Detail

	ATEX Details	Wetted Material Options	Non-Wetted Material Options	Pump Options	Kit Options
	II 1 G Ex h IIC T5...225°C (T2) Ga II 1D Ex h IIIC T100°C...T200°C Da I M1 Ex h I Ma	H, S	C	6	00
	II 2 G Ex h IIC T5...225°C (T2) Gb II 2 D Ex h IIIC T100°C...T200°C Db	A, H, S	A, C, Y	**0, 6	00
	II 2 G Ex h ia IIC T5 Gb II 2 D Ex h ia IIIC T100°C Db	A, H, S	A, C, Y	**0, 6	P1
	II 2 G Ex h mb IIC T5 Gb II 2 D Ex h mb IIIC T100°C Db	A, H, S	A, C, Y	**0, 6	A1, A2, A3, A4

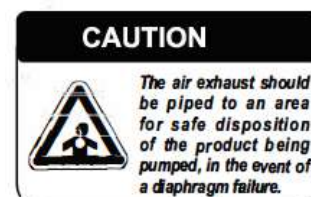
**Pump option 0 is only ATEX compliant with non-wetted material option C



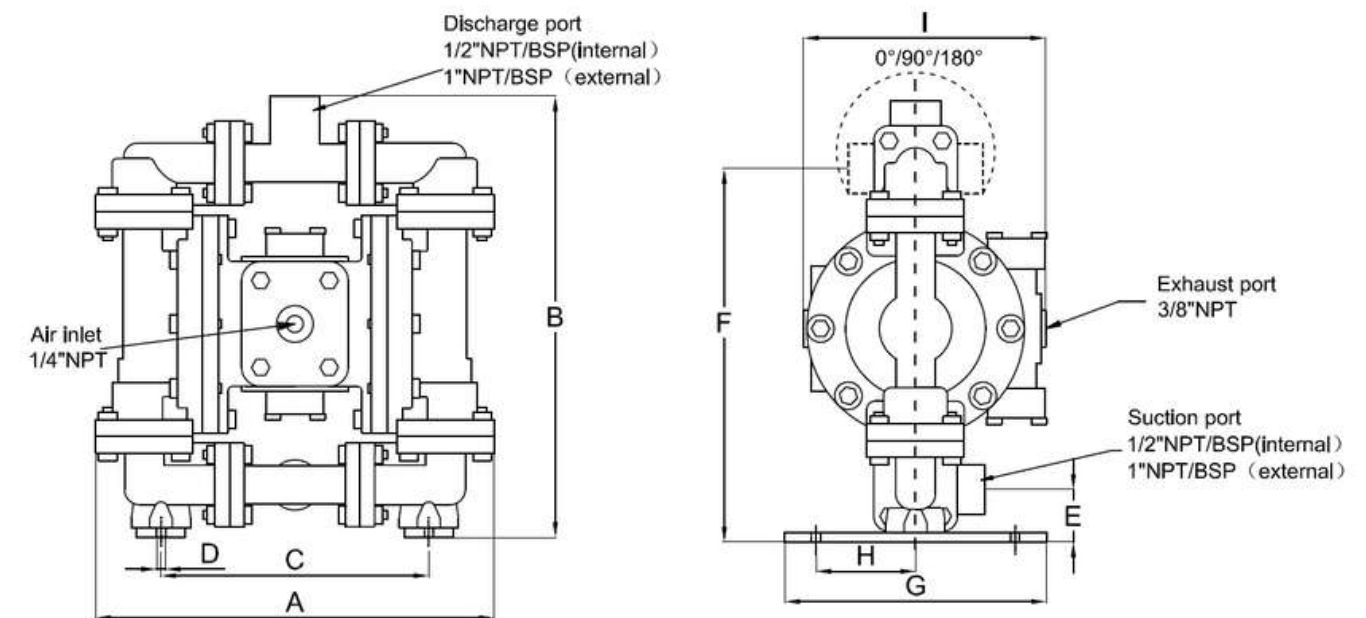
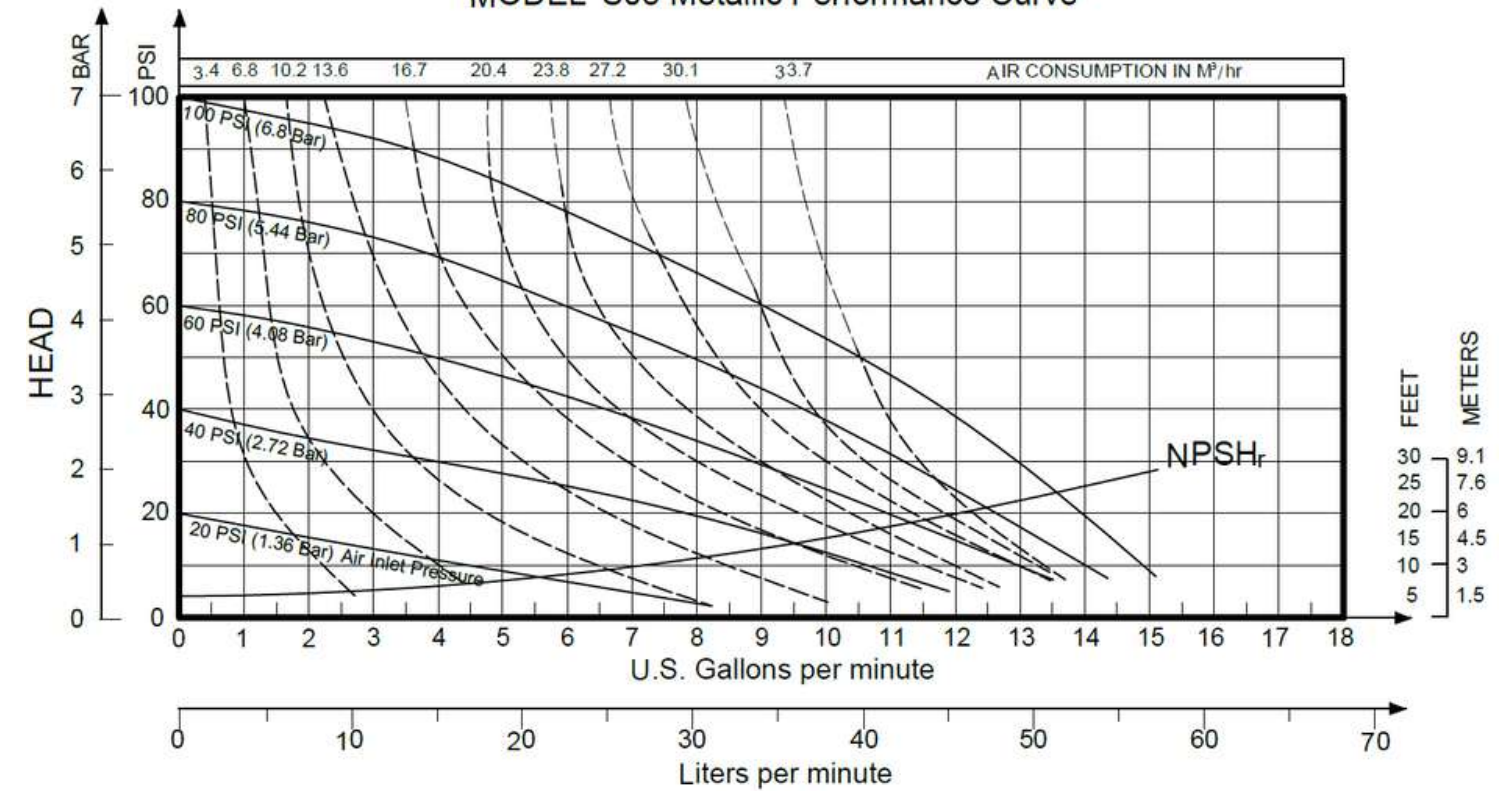
DISPLACEMENT/STROKE
• .026 Gallon / .098 liter

Aluminum Model

Stainless Steel Model



MODEL S05 Metallic Performance Curve



Dimension Tolerance: $\pm 3\text{mm}$ or $\pm 0.125\text{'}$

Pump Model r05AL	A	B	C	D	E	F	G	H	I mm/inches		Weight (kg)
	mm inches	mm inches	mm inches	mm inches	mm inches	mm inches	mm inches	mm inches	standard muffler	metal muffler	
	260 10.25"	292 11.5"	184 7.3"	8 0.3"	34 1.3"	247 9.7"	172 6.75"	70 2.75"	186 7.3"	219 8.6"	8

SERIES AODD PUMP



S-SERIES

S15 NON-METALLIC

SUCTION/DISCHARGE PORT SIZE

- 1 1/2 ANSI Flange or
PN10 40mm DIN Flange

CAPACITY

- 0 to 101 gallons per minute
(0 to 382 liters per minute)

MAXIMUM OPERATING PRESSURE

- 100 psi (7 bar)

AIR DISTRIBUTION VALVE

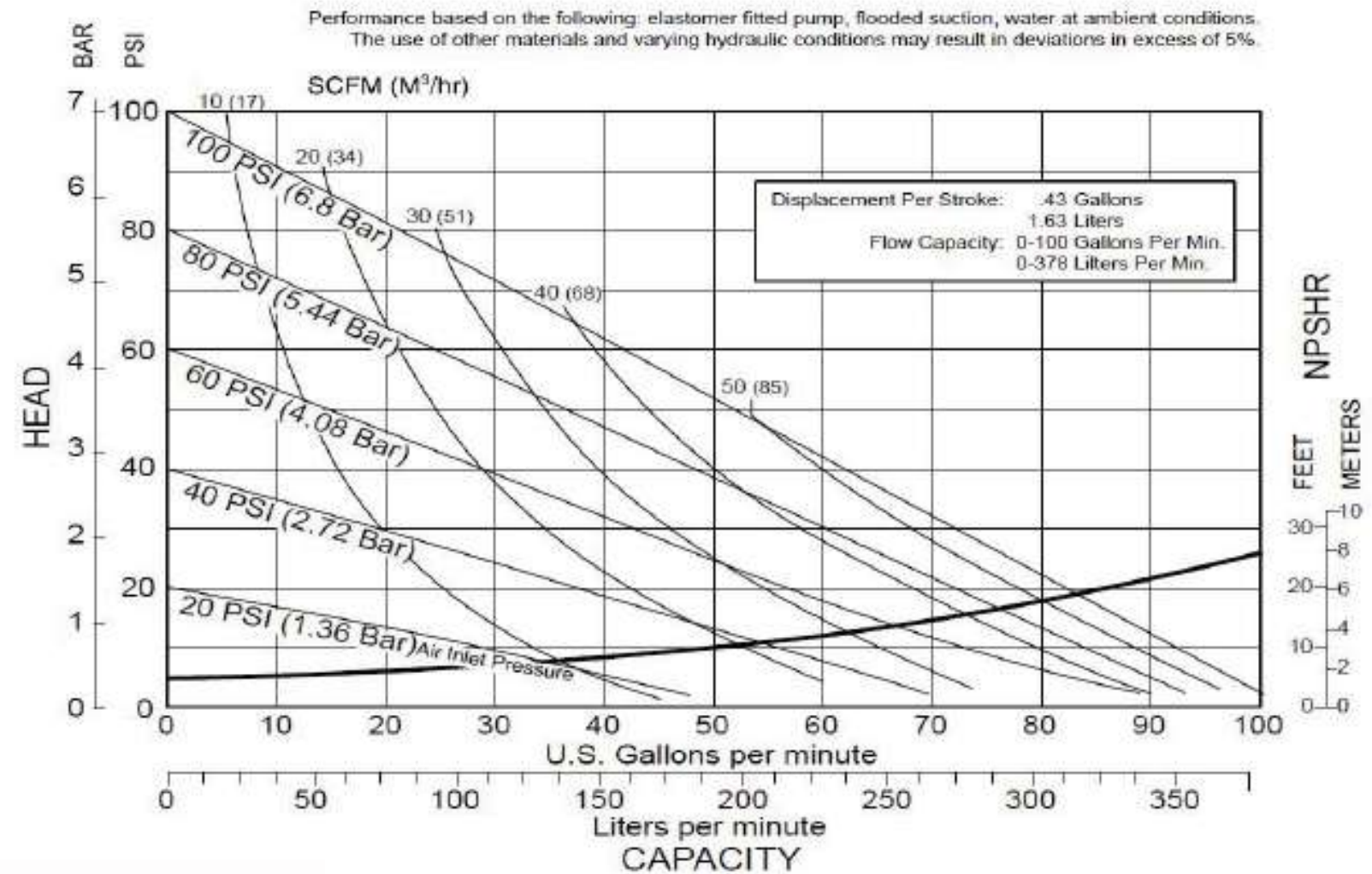
- No-lube, no-stall design

DISPLACEMENT/STROKE

- .43 Gallon / 1.63 liter

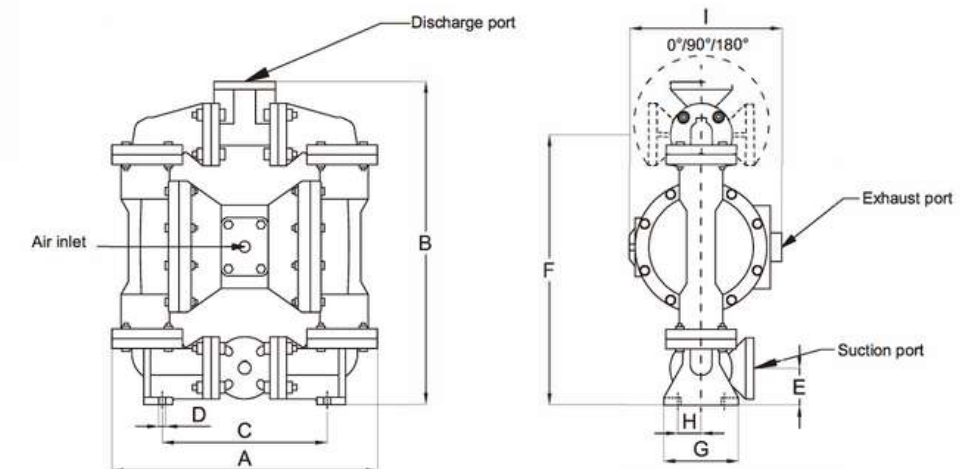
SOLIDS-HANDLING

- Up to .47 in. (12mm)



HEADS UP TO

- 100 psi or 231 ft. of water
(7 bar or 70 meters)



Dimension Tolerance :±3mm or ±0.125"

Pump Model	Port Size	Air Inlet Size	Exhaust Port Size	A	B	C	D	E	F	G	H	I	mm/inches	Weight (kg)
S15NM	1.5"150#Flange	3/4"NPT	1"NPT	584 23"	730 28.75"	287 11.3"	16 0.63"	89 3.5"	640 25.2"	228 9"	86 3.4"	330 13"	384 15.1"	PP:39.5

CAUTION



The air exhaust should be piped to an area for safe disposition of the product being pumped, in the event of a diaphragm failure.

ATEX Detail

ATEX Details	Wetted Material Options	Non-Wetted Material Options	Pump Options	Kit Options
I 1 G Ex h IIC T5...225°C (T2) Ga II 1D Ex h IIC T100°C...T200°C Da IM1 Ex h I Ma	C	C	5	00
II 2 G Ex h IIC T5...225°C (T2) Gb II 2 D Ex h IIC T100°C...T200°C Db	C	C	0, 5	00
II 2 G Ex h Ia IIC T5 Gb II 2 D Ex h Ia IIC T100°C Db	C	C	0, 5	P1
II 2 G Ex h mb IIC T5 Gb II 2 D Ex h mb IIC T100°C Db	C	C	0, 5	A1, A2, A3, A4

SERIES AODD PUMP

S-SERIES
S20 METALLIC



SUCTION/DISCHARGE PORT SIZE

- 2" NPT (internal)
- 2" BSP Tapered (internal)
- 2" ANSI 150# Raised Face Flanged

DISPLACEMENT/STROKE

- .42 Gallon / .159 liter

CAPACITY

- 0 to 151 gallons per minute
(0 to 571 liters per minute)

MAXIMUM OPERATING PRESSURE

- 125 psi (8.6 bar)

AIR DISTRIBUTION VALVE

- No-lube, no-stall design

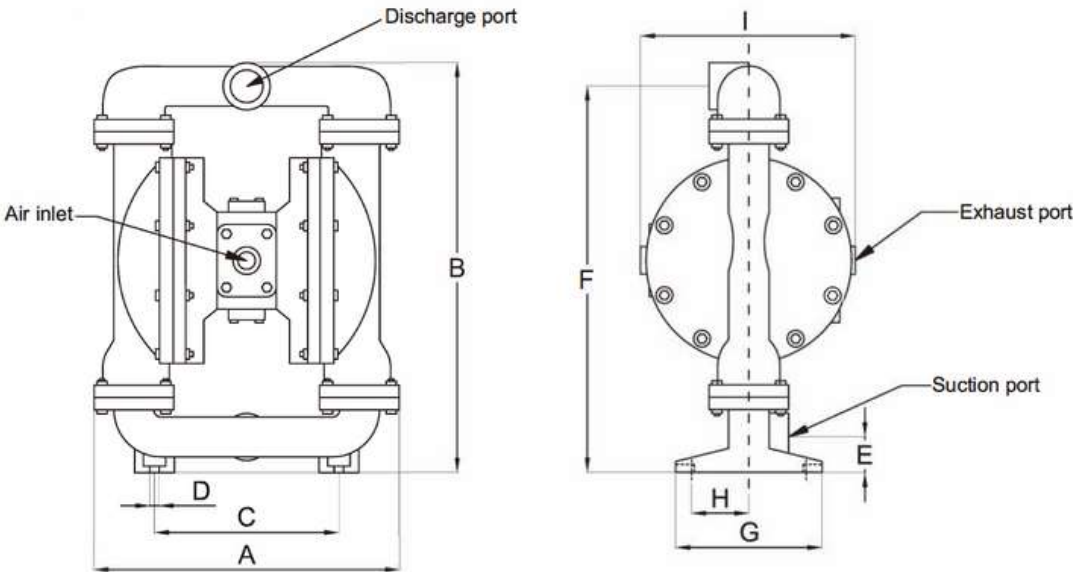
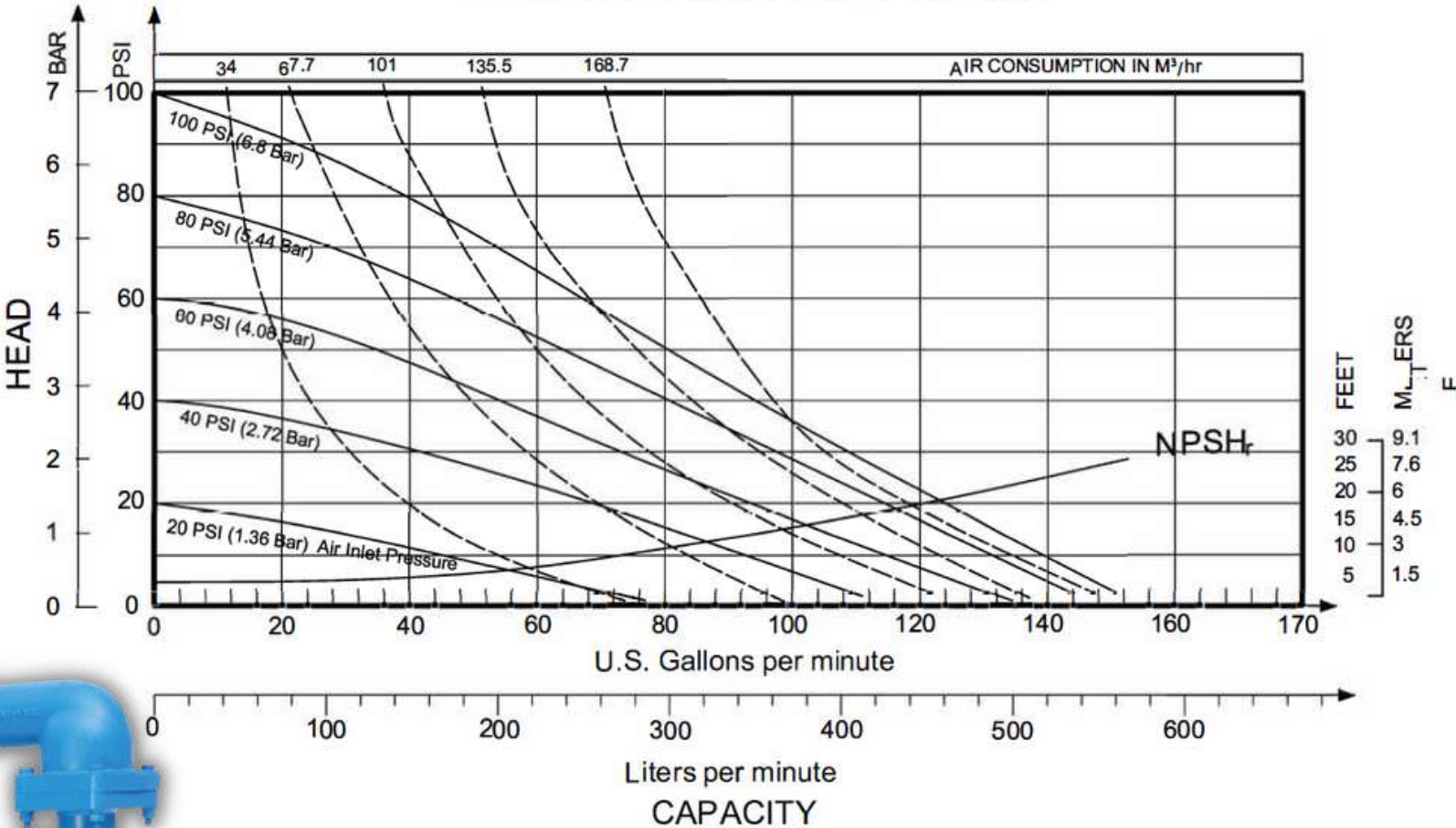
SOLIDS-HANDLING

- Up to .25 in. (6mm)

HEADS UP TO

- 125 psi or 289 ft. of water
(8.6 Kg/cm² or 86 meters)

MODEL S20 Metallic Performance Curve



Dimension Tolerance :±3mm or ±0.125"

ATEX Detail

	ATEX Detail	Wetted Material Options	Non-Wetted Material Options	Pump Options	Kit Options
	II 1G c T5 II 1D c T100°C I M1 c I M2 c	H, I, S	I, S, Z	6	00
	II 2G c T5 II 2D c T100°C	A, H, I, S, X	A, I, S, Y, Z	6	00
	II 2G Ex ia c IIC T5 II 2D Ex c iaD 20 IP67 T100°C	A, H, I, S, X	A, I, S, Y, Z	6	P1
	II 2G EEx m c II T5 II 2D c IP65 T100°C	A, H, I, S, X	A, I, S, Y, Z	6	A1, A2, A3, A4

CAUTION

The air exhaust should be piped to an area for safe disposition of the product being pumped, in the event of a diaphragm failure.

Pump Model	Port Size	Air Inlet Size	Exhaust Port Size	A mm inches	B mm inches	C mm inches	D mm inches	E mm inches	F mm inches	G mm inches	H mm inches	I mm/inches standard muffler	I mm/inches metal muffler	Weight (kg)
B20M	2"NPT/BSP	3/4"NPT	1"NPT	428 16.9"	669 26.3"	256 10.1"	13 0.5"	51 2"	631 24.8"	254 10"	114 4.5"	320 12.6"	373 14.7"	AL:32 CI:61 SS:56

SERIES AODD PUMP



S-SERIES S20 NON-METALLIC

SUCTION/DISCHARGE PORT SIZE

- 2" Universal Flange
(Fits ANSI & DIN Flange)

MAXIMUM OPERATING PRESSURE

- 100 psi (7 bar)

CAPACITY

- 0 to 161 gallons per minute
(0 to 609 liters per minute)

DISPLACEMENT/STROKE

- .46 Gallon / 1.73 liter

AIR DISTRIBUTION VALVE

- No-lube, no-stall design

SOLIDS-HANDLING

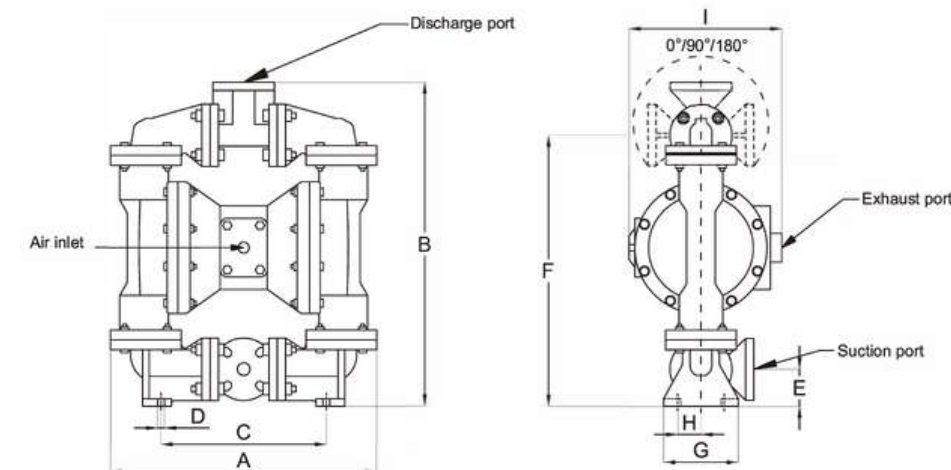
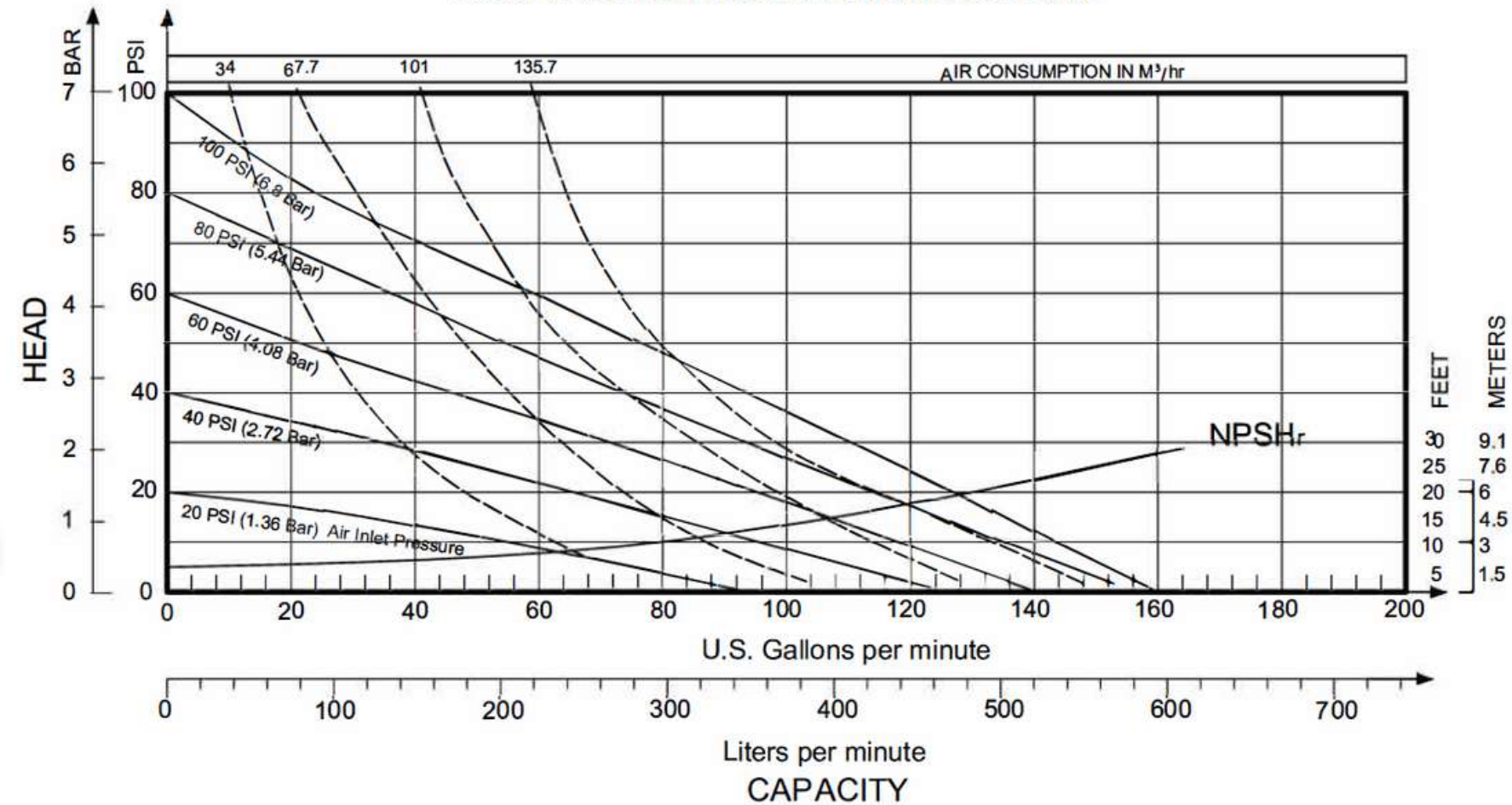
- Up to .66 in. (17mm)



HEADS UP TO

- 100 psi or 231 ft. of water
(7 bar or 70 meters)

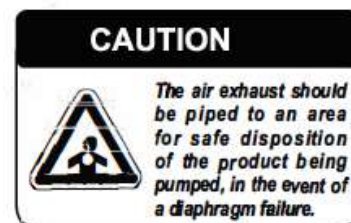
MODEL S20 Non-Metallic Performance Curve



Dimension Tolerance : $\pm 3\text{mm}$ or $\pm 0.125\text{\"}$

ATEX Detail

	ATEX Details	Wetted Material Options	Non-Wetted Material Options	Pump Options	Kit Options
	I 1 G Ex h IIC T5...225°C (T2) Ga II 1D Ex h IIC T100°C...T200°C Da I M1 Ex h I Ma	C	C	6	00
	II 2 G Ex h IIC T5...225°C (T2) Gb II 2 D Ex h IIC T100°C...T200°C Db	C	C	0, 6	00
	II 2 G Ex h ia IIC T5 Gb II 2 D Ex h ia IIC T100°C Db	C	C	0, 6	P1
	II 2 G Ex h mb IIC T5 Gb II 2 D Ex h mb IIC T100°C Db	C	C	0, 6	A1, A2, A3, A4



Pump Model	Port Size	Air Inlet Size	Exhaust Port Size	A	B	C	D	E	F	G	H	I mm/inches		Weight (kg)
				mm inches	mm inches	mm inches	mm inches	mm inches	mm inches	mm inches	mm inches	standard muffler	metal muffler	
S20NM	2"150#Flange	3/4"NPT	1"NPT	605 23.8"	819 32.25"	289 11.4"	16 0.63"	97 3.8"	716 28.2"	292 11.5"	118 4.6"	330 13"	384 15.1"	PP:42

SERIES AODD PUMP



S-SERIES S30 METALLIC

SUCTION/DISCHARGE PORT SIZE

- 3" NPT or 3" BSP Tapered
- 3" ANSI Flange or 3" DIN Flange

DISPLACEMENT/STROKE

- .94 Gallon / 3.56 liter

CAPACITY

- 0 to 236 gallons per minute
(0 to 893 liters per minute)

MAXIMUM OPERATING PRESSURE

- 125 psi (8.6 bar)

AIR DISTRIBUTION VALVE

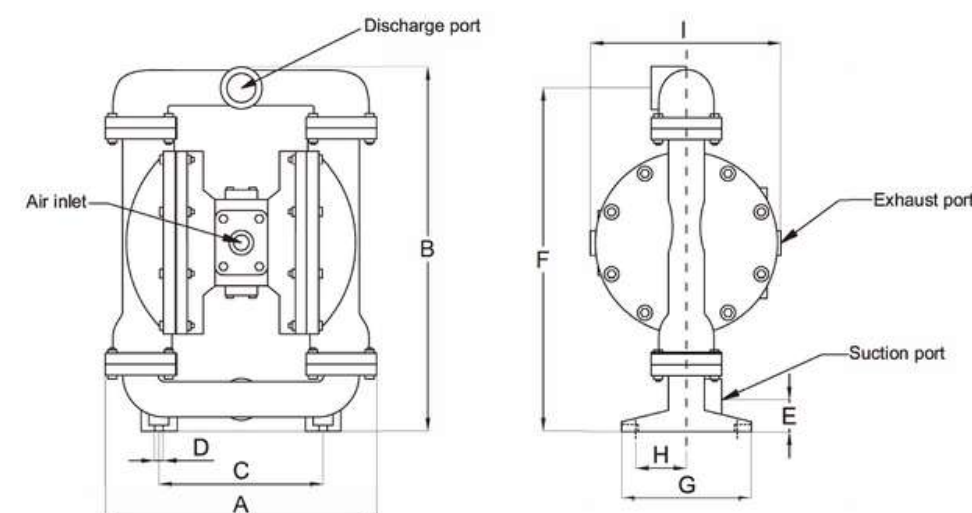
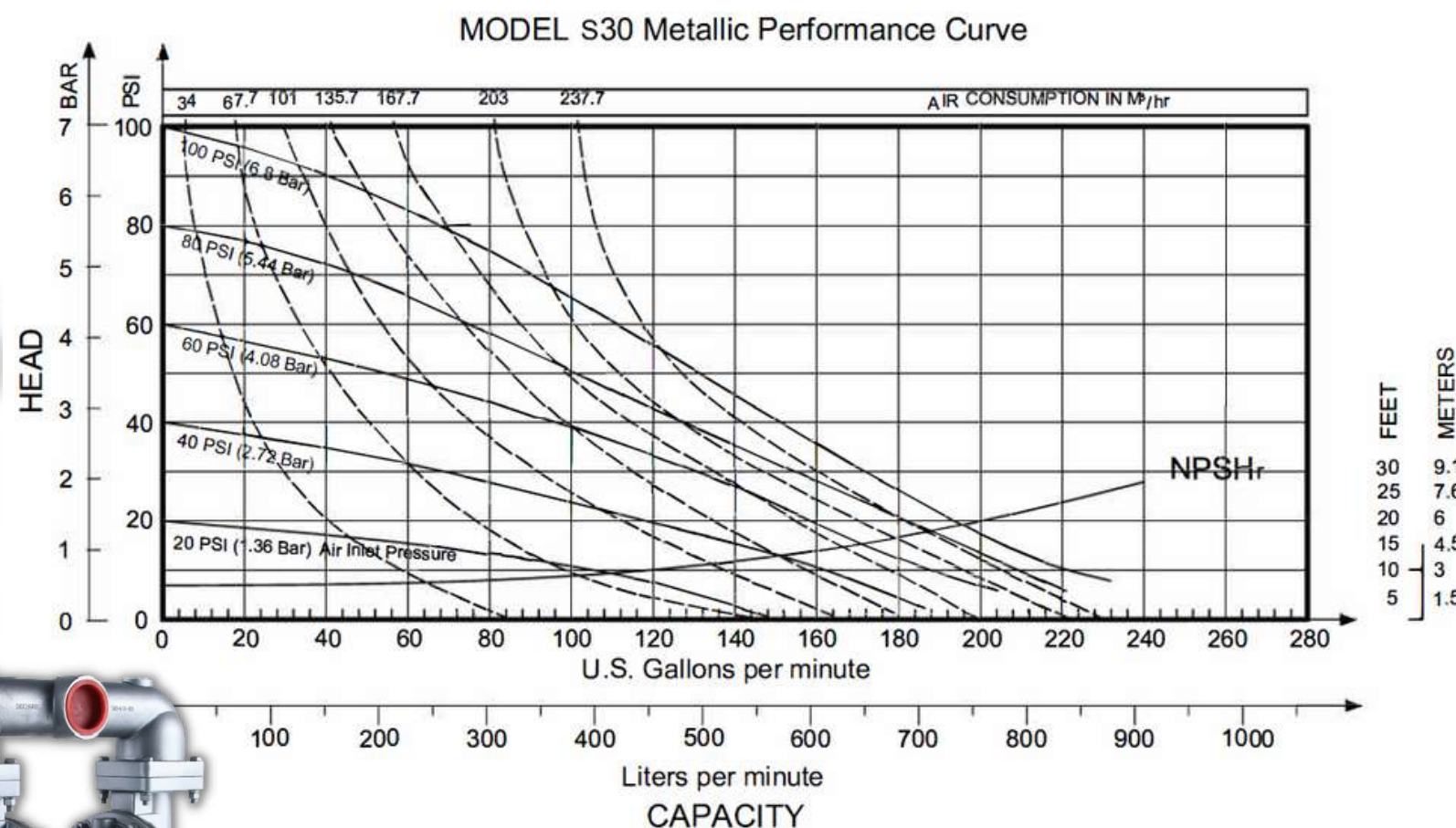
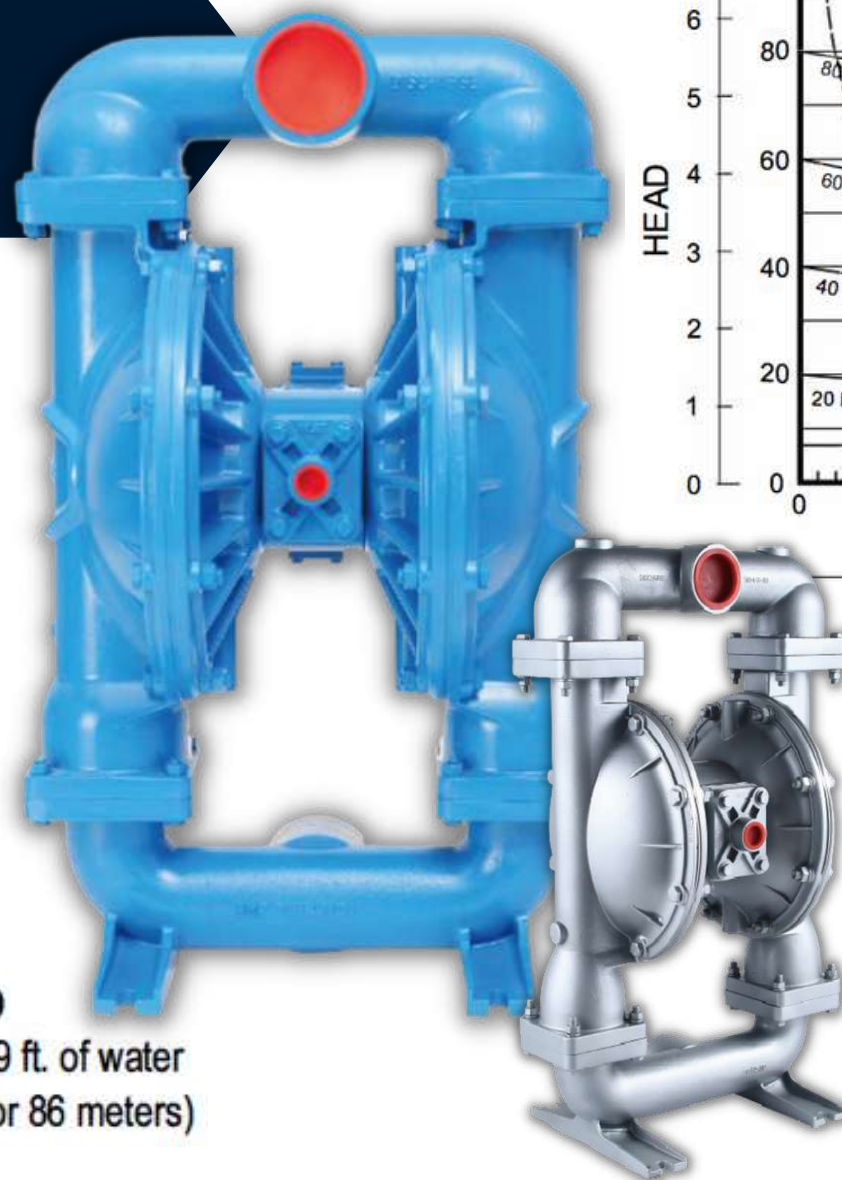
- No-lube, no-stall design

SOLIDS-HANDLING

- Up to .38 in. (9.65mm)

HEADS UP TO

- 125 psi or 289 ft. of water
(8.6 Kg/cm² or 86 meters)



Dimension Tolerance : ±3mm or ±0.125"

ATEX Detail

	ATEX Detail	Wetted Material Options	Non-Wetted Material Options	Pump Options	Kit Options
	II 1G c T5 II 1D c T100°C I M1 c I M2 c	H, I, S	I, S, Z	6	00
	II 2G c T5 II 2D c T100°C	A, H, I, S, X	A, I, S, Y, Z	6	00
	II 2G Ex ia c IIC T5 II 2D Ex iaD 20 IP67 T100°C	A, H, I, S, X	A, I, S, Y, Z	6	P1
	II 2G EEx m c II T5 II 2D c IP65 T100°C	A, H, I, S, X	A, I, S, Y, Z	6	A1, A2, A3, A4

Pump Model	Port Size	Air Inlet Size	Exhaust Port Size	A	B	C	D	E	F	G	H	I	mm/inches	Weight (kg)
S30M	3"NPT/BSP	3/4"NPT	1"NPT	499 19.6"	815 32.1"	305 12"	17 0.66"	60 2.4"	761 30.0"	298 11.7"	129 5.1"	400 15.75"	425 16.75"	AL:55 Cl:102 SS:98