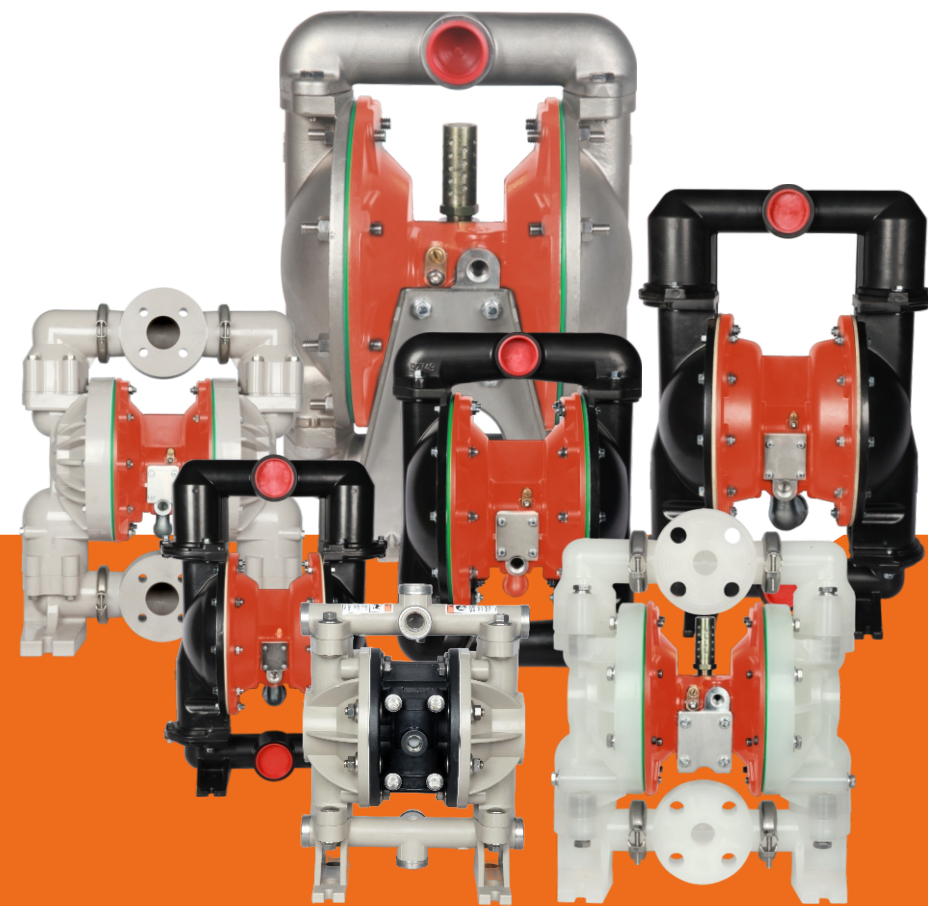




DIAPHRAGM PUMP SELECTION MANUAL

QA Series Diaphragm Pump Selection Manual



HEAD OFFICE IN SOUTH CHINA:
GUANGDONG QEEHUA INDUSTRY EQUIPMENT CO., LTD.
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SUBSIDIARY CORPORATION:
SUZHOU QEEHUA PUMP INDUSTRY CO., LTD.
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Xiangcheng District, Suzhou City.

SUBSIDIARY CORPORATION:
CHENGDU QEEHUA FLUID TECHNOLOGY CO., LTD.
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GUANGDONG QEEHUA INDUSTRY EQUIPMENT CO., LTD.

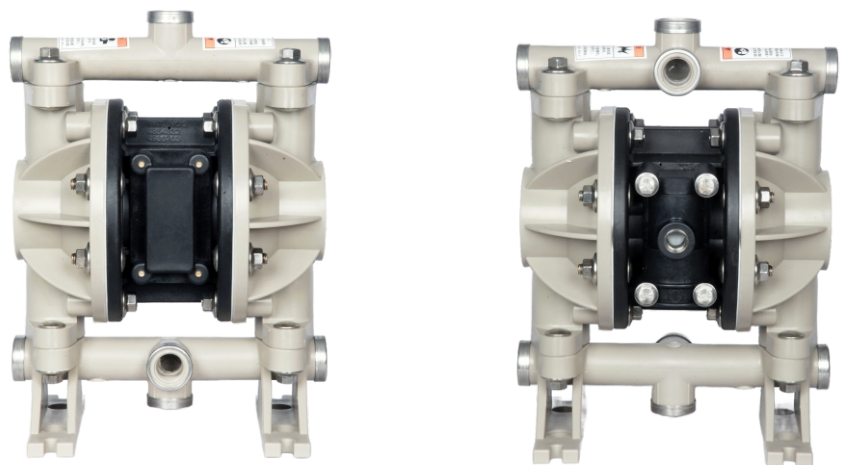


Contents

COMPANY INTRODUCTION

Guangdong Qeehua Industry Equipment Co., Ltd. (Qeehua Pump), who is based in Guangdong Province of China, is a leading manufacturer and national high-tech enterprise focus on R&D and manufacturing of corrosion-resistant chemical pumps and filters, which are widely used in PCB, electroplating, medical, solar, semiconductor, coating, waste water and gas treatment and other industries of chemical liquid circulation , filtration and transportation. Qeehua Pump has reached certificates such as ISO9001, CE, SGS and so on. Until now, we have more than 30 patents, including 2 invention patents. We take pride in supplying our clients with world-class and high-quality standard and customized chemical pumps and filters.

01-02	1/2" NON-METALLIC
03-04	1" NON-METALLIC
05-06	1-1/2" NON-METALLIC
07-08	2" NON-METALLIC
09-10	1" METALLIC
11-12	1-1/2" METALLIC
13-14	2" METALLIC
15-16	3" METALLIC



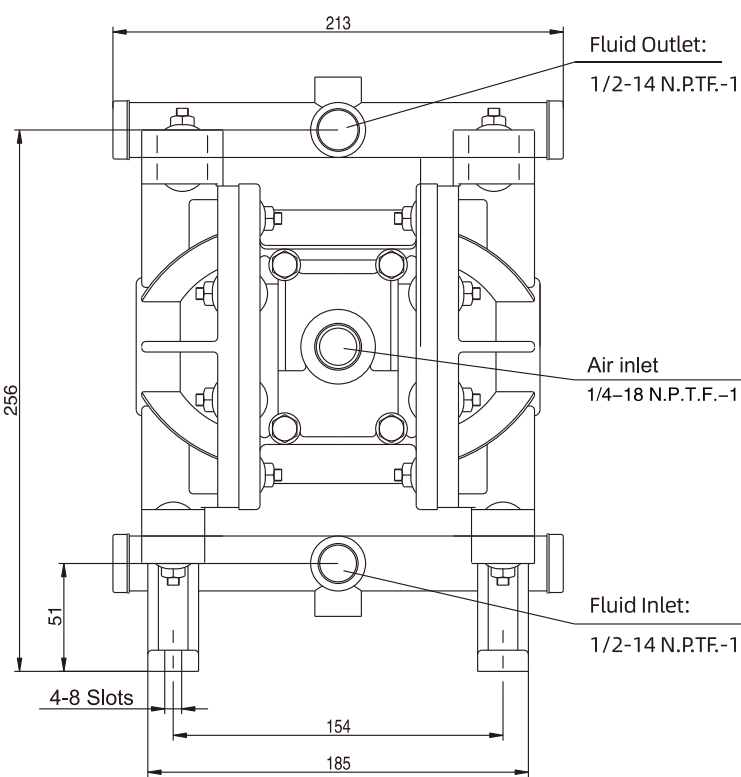
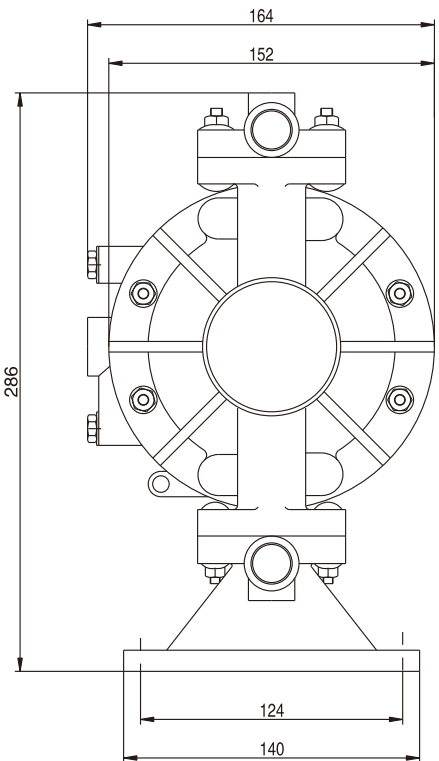
1/2" Non-Metallic Pump Technical Specifications

Maximum flow:	49.2	Liters/minute	
Displacement per cycle:	0.15	Liter	
Air inlet:	1/4-18 NPT-1		
Fluid inlet:	1/2-14 N.P.T.F.-1		
Fluid outlet:	1/2-14 N.P.T.F.-1		
Maximum working pressure:	100(6.9)	psi(bar)	
Maximum diameter of suspended solids:	2.4	Millimeter	
Maximum dry suction height:	3	meter	
Noise level:	PSI	Cycle/Minute	Decibel(A)
	70	60	71.1

Model Description

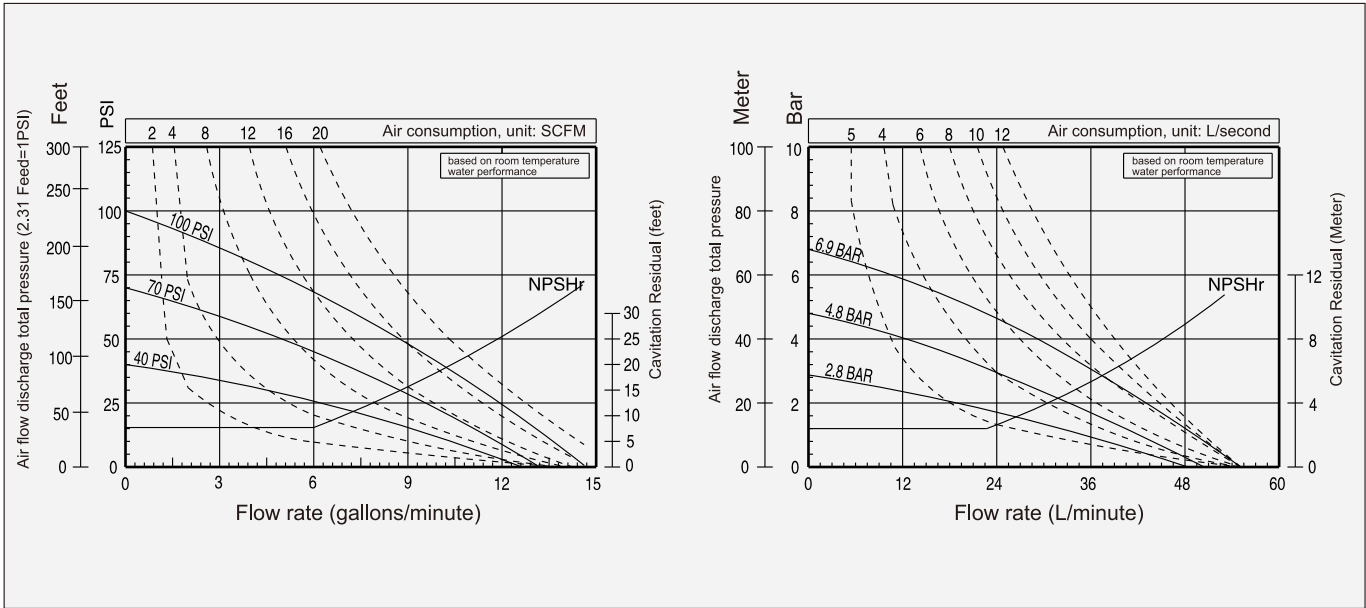
QA05	X	-	X	X	X	-	C
Motor Material	Fluid Parts		Seat Material	Ball Valve Material	Diaphragm Material		
Aluminum Alloy, NPT	J-Polypropylene		3-Polypropylene	4-PTFE E-Santoprene	4-PTFE/Santoprene B-Santoprene		

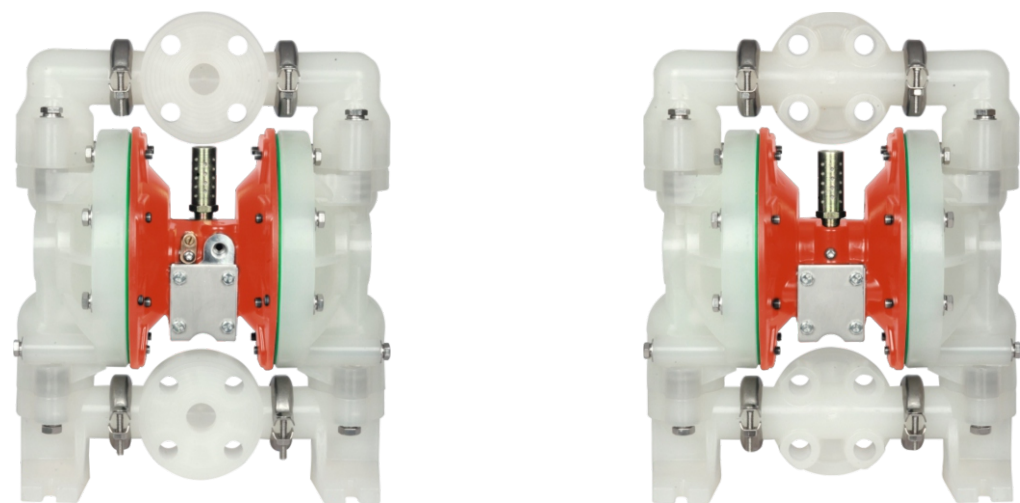
1/2" NON-METALLIC



Dimensions are approximate and in millimeters

1/2" Non-metallic Pump Performance Curve





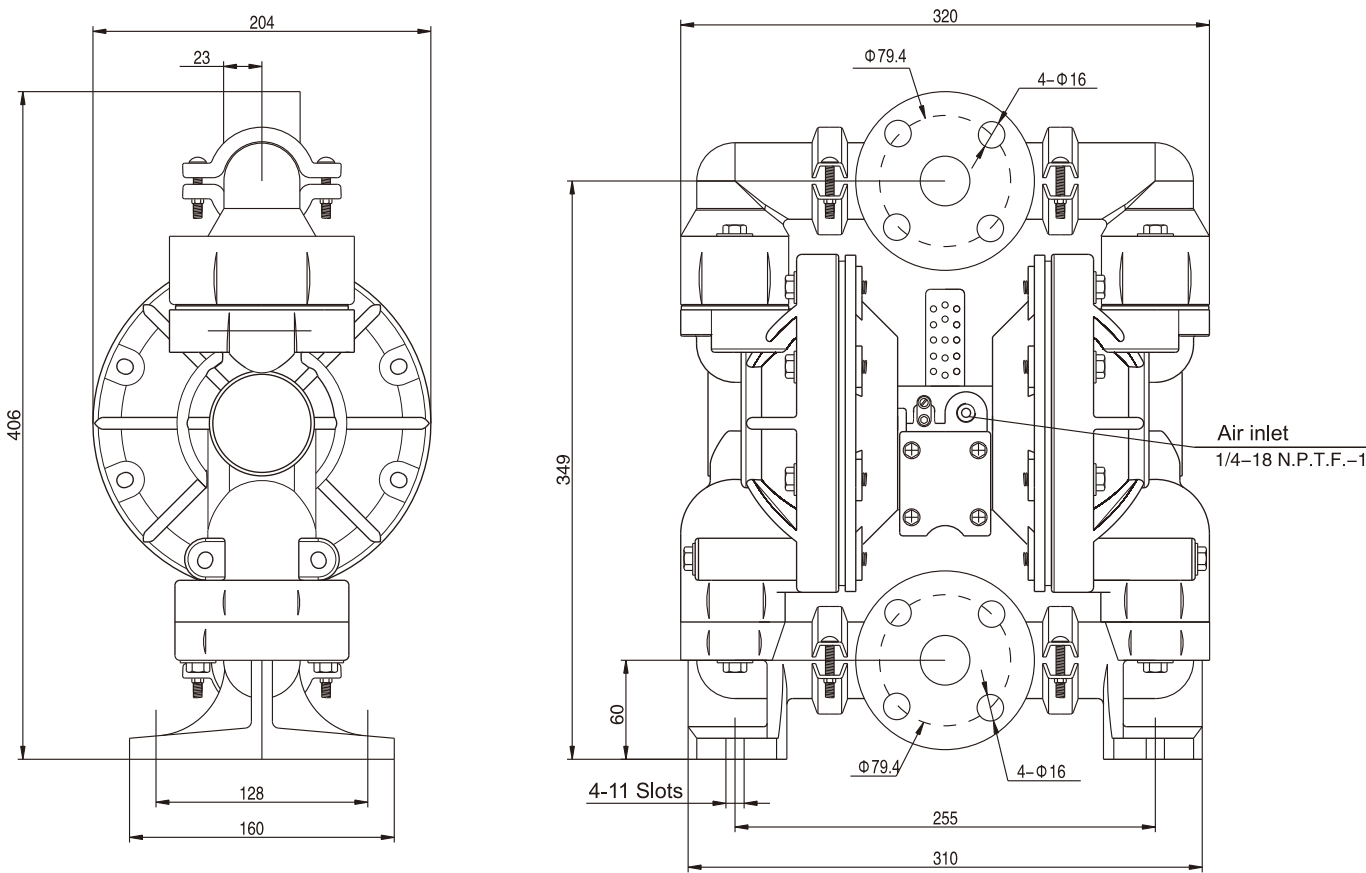
1" Non-Metallic Pump Technical Specifications

Maximum flow:	177.9	Liters/minute	
Displacement per cycle:	0.64	Liter	
Air inlet:	1/4-18 NPT-1		
Fluid inlet:	1" ANSI (150LB)		
Fluid outlet:	1" ANSI (150LB)		
Maximum working pressure:	120(8.3)	psi(bar)	
Maximum diameter of suspended solids:	3.2	Millimeter	
Maximum dry suction height:	4.6	meter	
Noise level:	PSI	Cycle/Minute	Decibel(A)
	70	60	64.5

Model Description

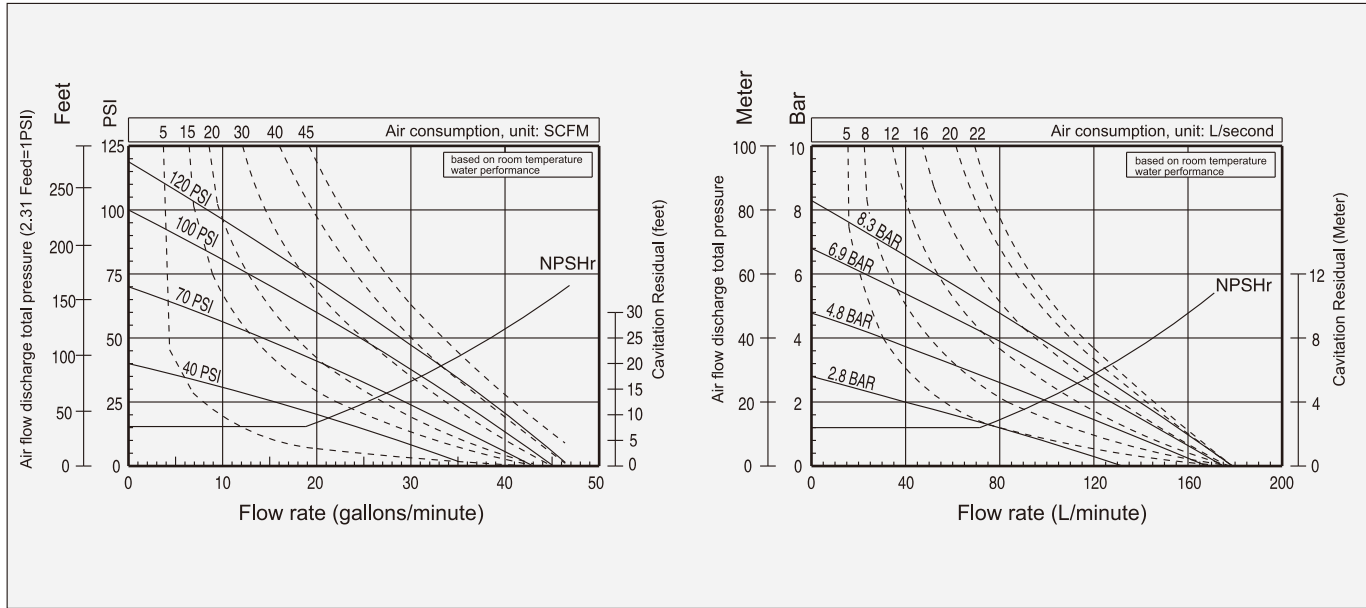
QA1A	X	-	X	X	X	-	C
Motor Material	Wetted Parts		Seat Material	Ball Valve Material	Diaphragm Material		
Aluminum Alloy, NPT	3-PP Flange		3-Polypropylene	4-PTFE	4-PTFE/Santoprene		
				C-HYTREL	9-HYTREL		
				E-Santoprene	B-Santoprene		

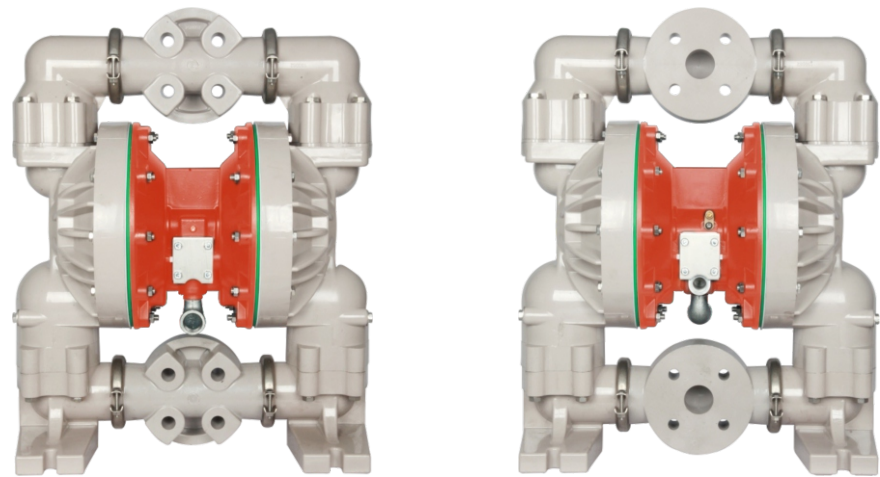
1" NON-METALLIC



Dimensions are approximate and in millimeters

1" non-metallic pump performance curve





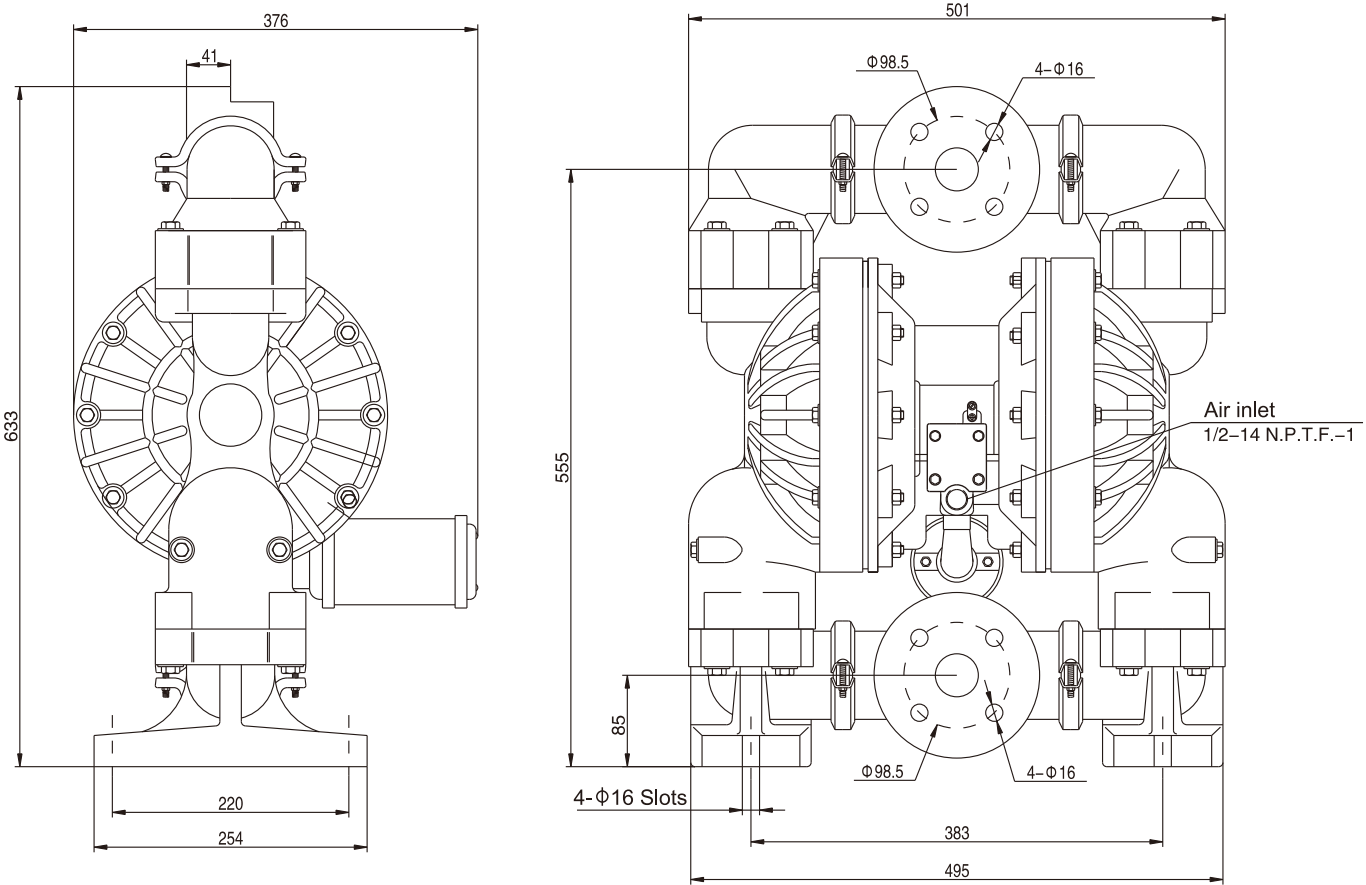
1-1/2" Non-Metallic Pump Technical Specifications

Maximum flow:	378.5	Liters/minute	
Displacement per cycle:	2.54	Liter	
Air inlet:	1/2-14 NPT-1		
Fluid inlet:	1-1/2"ANSI(150LB)		
Fluid outlet:	1-1/2"ANSI(150LB)		
Maximum working pressure:	120(8.3)	psi(bar)	
Maximum diameter of suspended solids:	6.4	Millimeter	
Maximum dry suction height:	4.27	meter	
Noise level:	PSI	Cycle/Minute	Decibel(A)
	70	60	77.7

Model Description

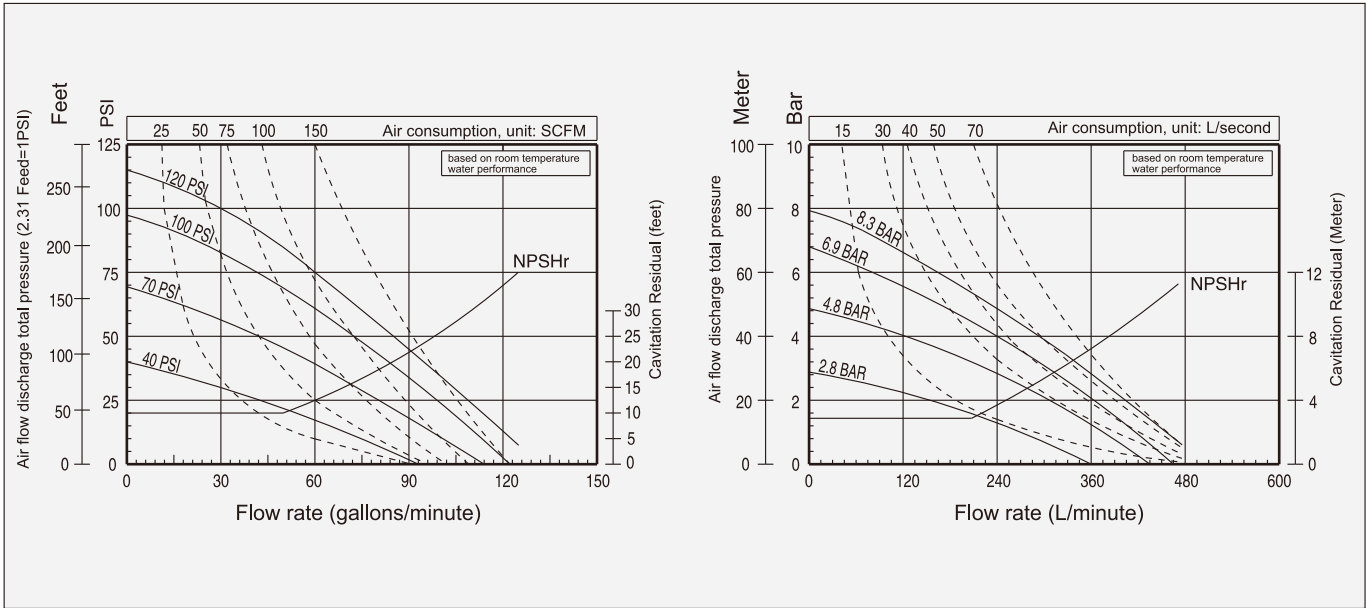
QA 1T	X	-	X	X	X	-	C
Motor Material	Wetted Parts		Seat Material	Ball Valve Material	Diaphragm Material		
Aluminum Alloy, NPT	3-PP Flange		3-Polypropylene	4-PTFE C-HYTREL E-Santoprene	4-PTFE/Santoprene 9-HYTREL B-Santoprene		

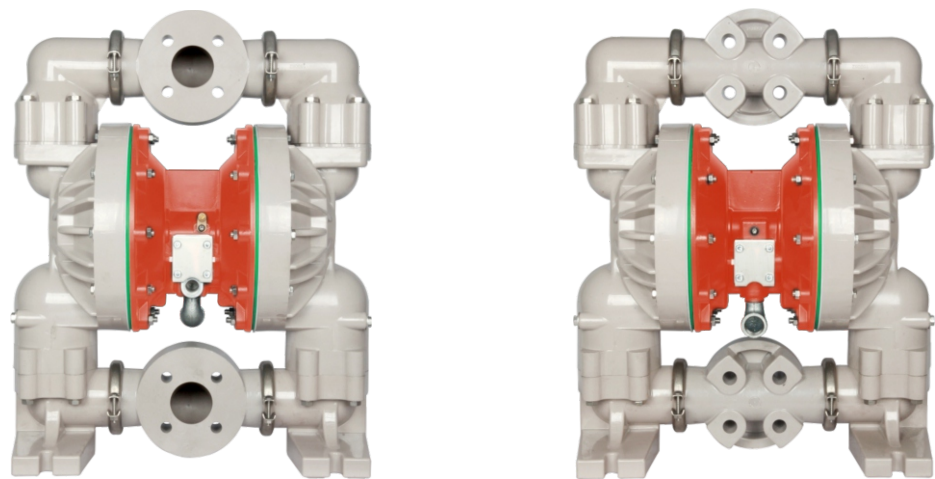
1-1/2" NON-METALLIC



Dimensions are approximate and in millimeters

1-1/2" non-metallic pump performance curve





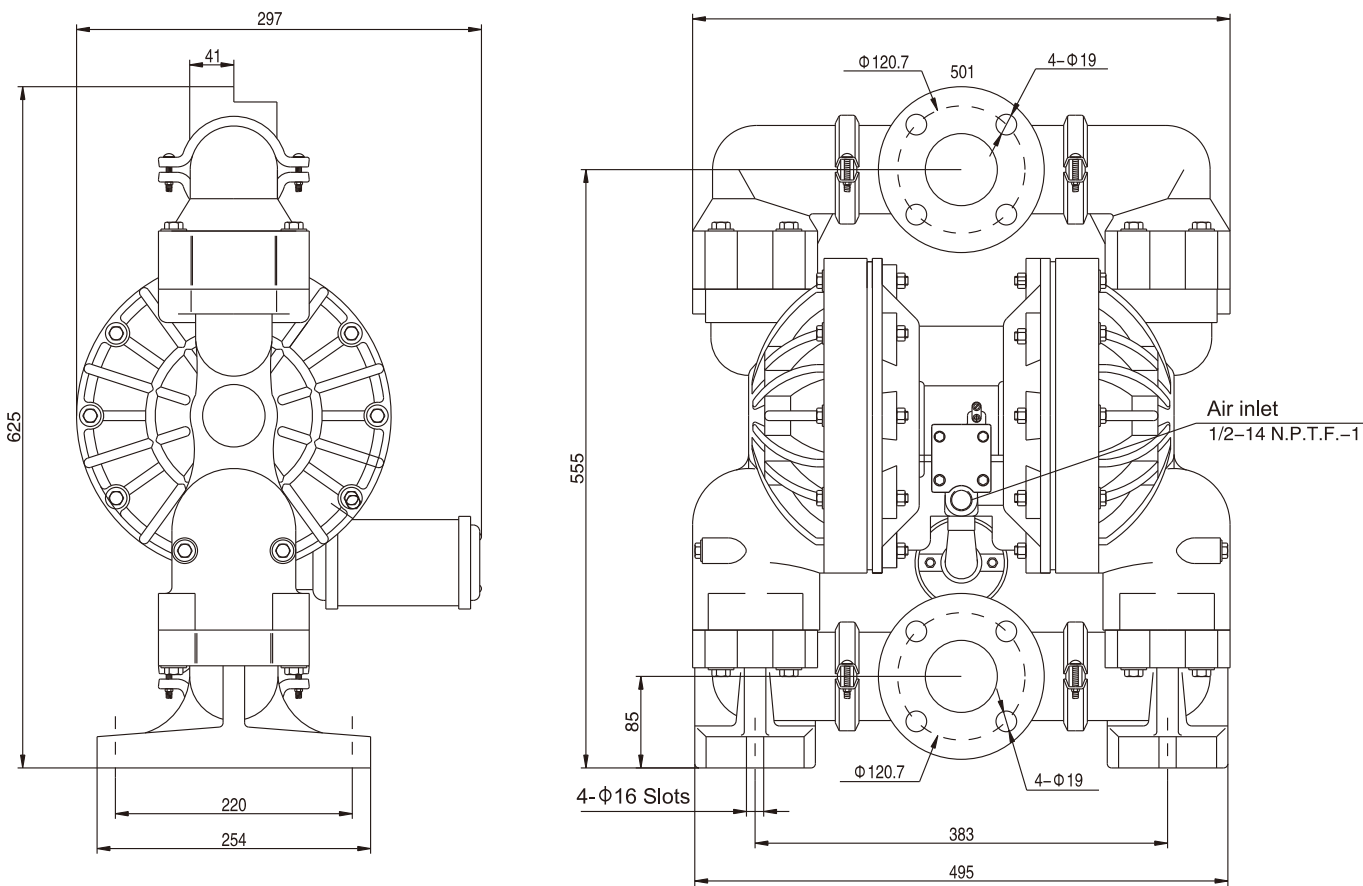
2" Non-Metallic Pump Technical Specifications

Maximum flow:	548.8	Liters/minute	
Displacement per cycle:	2.7	Liter	
Air inlet:	1/2-14 NPT-1		
Fluid inlet:	2" ANSI (150LB)		
Fluid outlet:	2" ANSI (150LB)		
Maximum working pressure:	120(8.3)	psi(bar)	
Maximum diameter of suspended solids:	6.4	Millimeter	
Maximum dry suction height:	4.27	meter	
Noise level:	PSI	Cycle/Minute	Decibel(A)
	70	60	77.7

Model Description

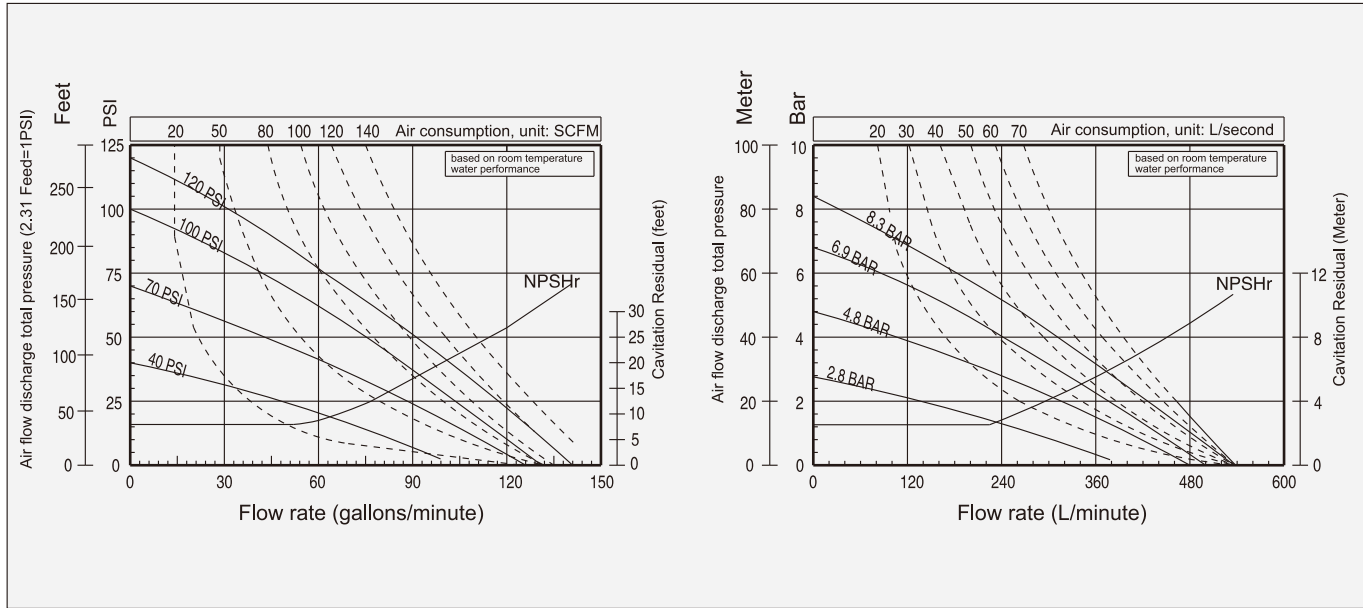
QA2A	X	-	X	X	X	-	C
Motor Material	Wetted Parts		Seat Material	Ball Valve Material	Diaphragm Material		
Aluminum Alloy, NPT	3-PP Flange		3-Polypropylene	4-PTFE C-HYTREL E-Santoprene	4-PTFE/Santoprene 9-HYTREL B-Santoprene		

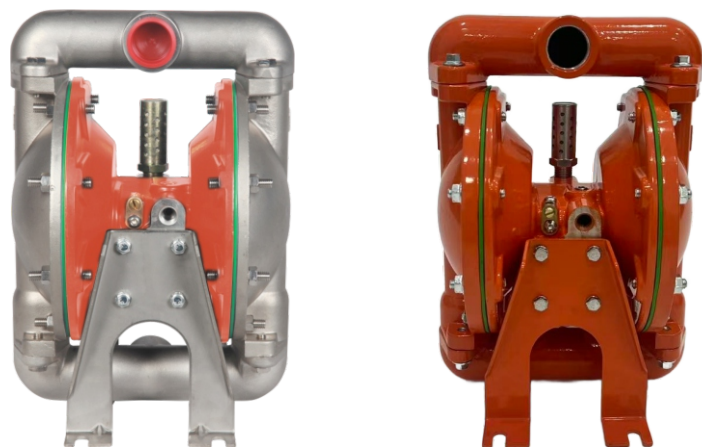
2" NON-METALLIC



Dimensions are approximate and in millimeters

2" non-metallic pump performance curve





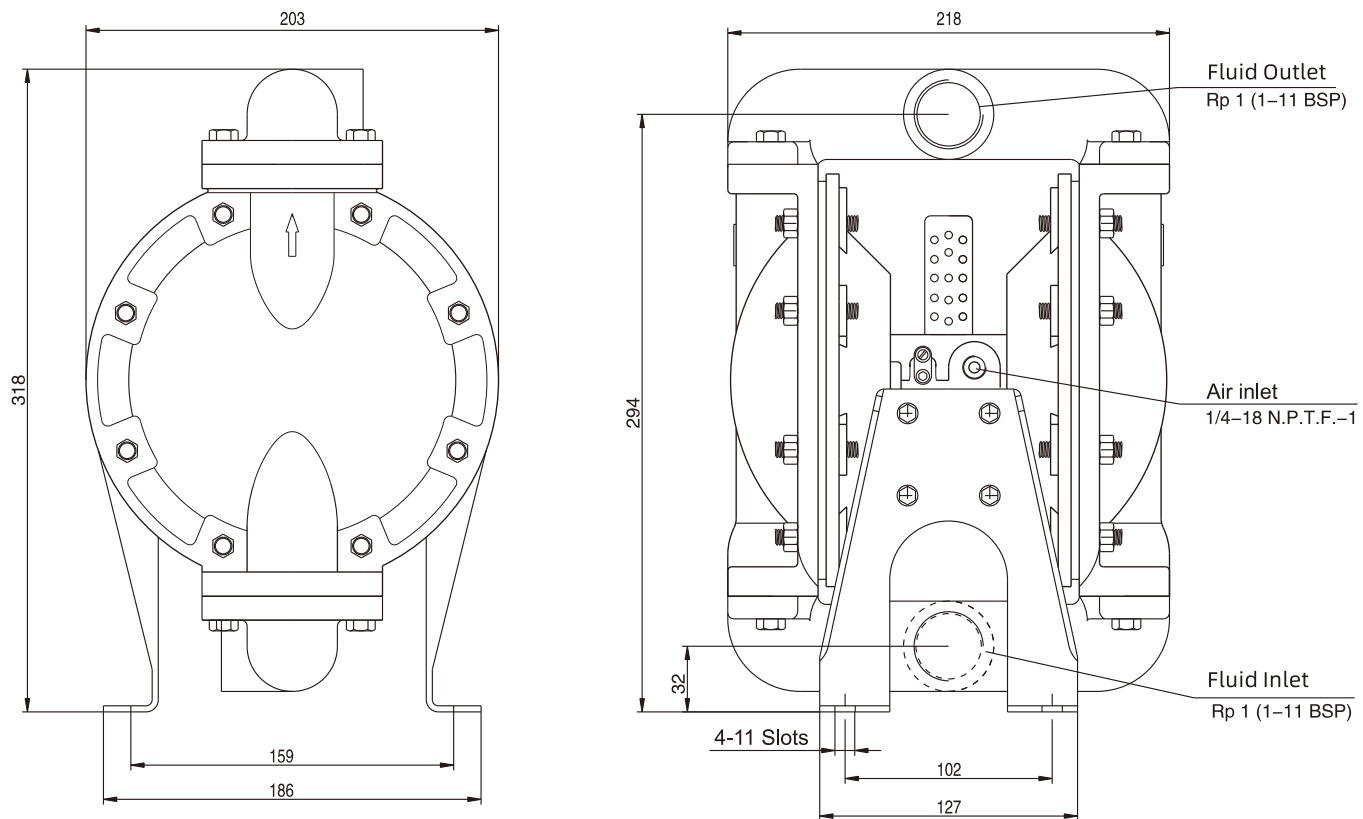
1" Metallic Pump Technical Specifications

Maximum flow:	133	Liters/minute	
Displacement per cycle:	0.6	Liter	
Air inlet:	1/4-18 NPT-1		
Fluid inlet:	Rp1(1-11 BSP)		
Fluid outlet:	Rp1(1-11 BSP)		
Maximum working pressure:	120(8.3)	psi(bar)	
Maximum diameter of suspended solids:	3.2	Millimeter	
Maximum dry suction height:	6.1	meter	
Noise level:	PSI	Cycle/Minute	Decibel(A)
	70	60	64.5

Model Description

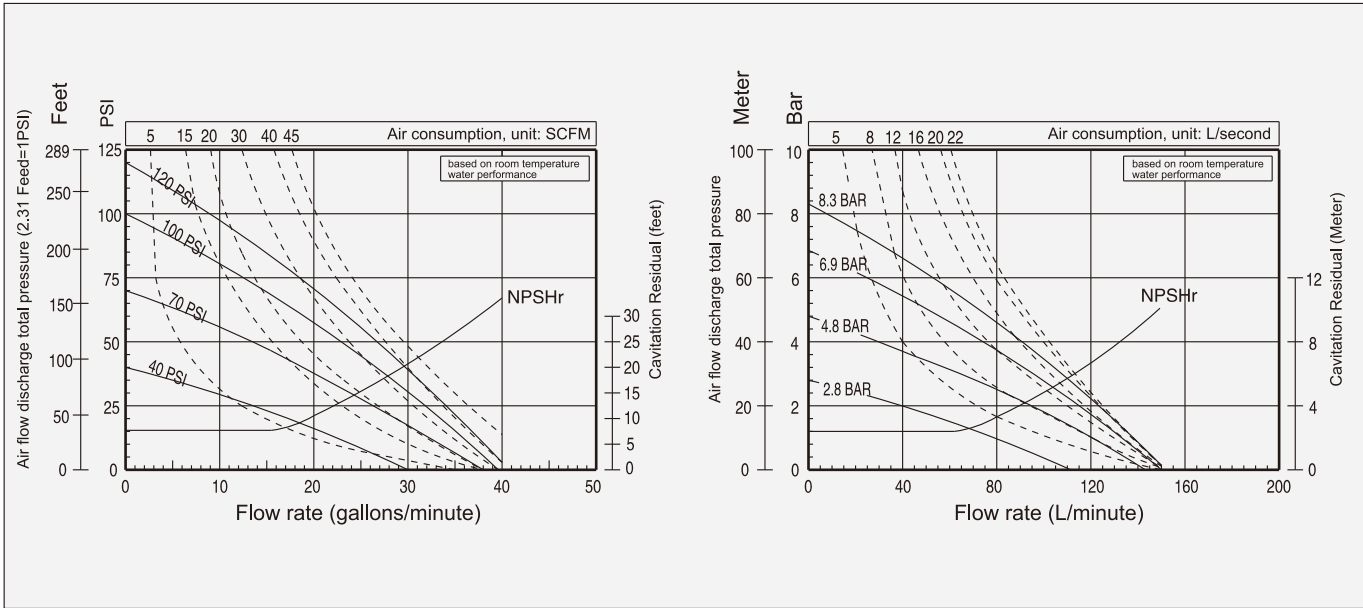
QA12	X	-	X	X	X	-	C
Motor Material	Wetted Parts		Seat Material	Ball Valve Material	Diaphragm Material		
Aluminum Alloy, NPT	0-Aluminum Alloy B-Stainless Steel		2-Stainless Steel 3-Polypropylene 4-PTFE	4-PTFE C-HYTREL E-Santoprene	2-Nitril 4-PTFE/Santoprene 9-HYTREL B-Santoprene		

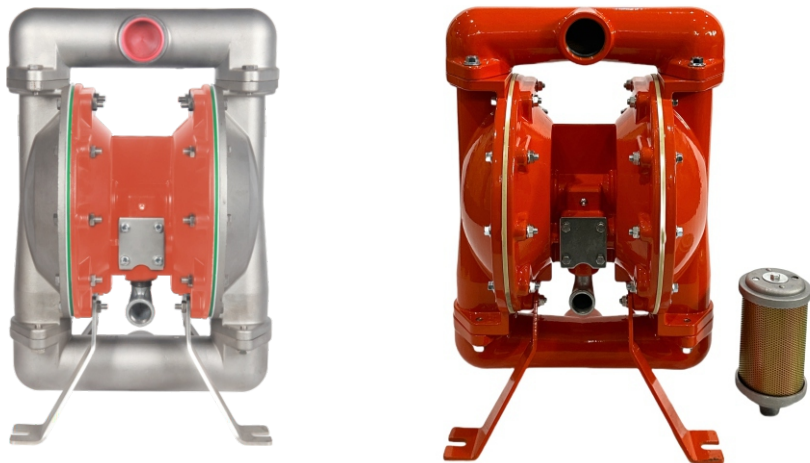
1" METALLIC



Dimensions are approximate and in millimeters

1" Metallic Pump Performance Curve





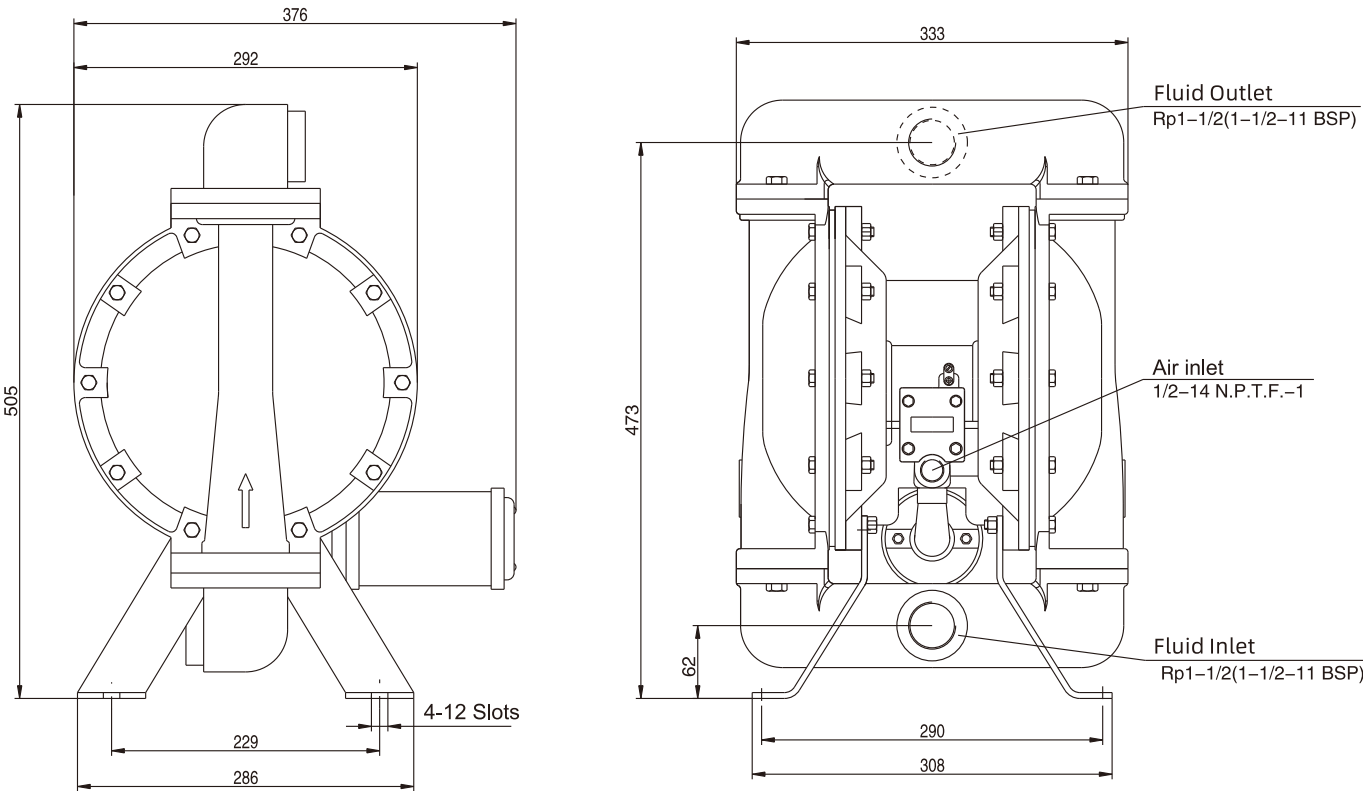
1-1/2" Metallic Pump Technical Specifications

Maximum flow:	340.7	Liters/minute	
Displacement per cycle:	2.42	Liter	
Air inlet:	1/2-14 NPT-1		
Fluid inlet:	Rp1-1/2(1-1/2-11 BSP)		
Fluid outlet:	Rp1-1/2(1-1/2-11 BSP)		
Maximum working pressure:	120(8.3)	psi(bar)	
Maximum diameter of suspended solids:	6.4	Millimeter	
Maximum dry suction height:	5.8	meter	
Noise level:	PSI	Cycle/Minute	Decibel(A)
	70	60	77.7

Model Description

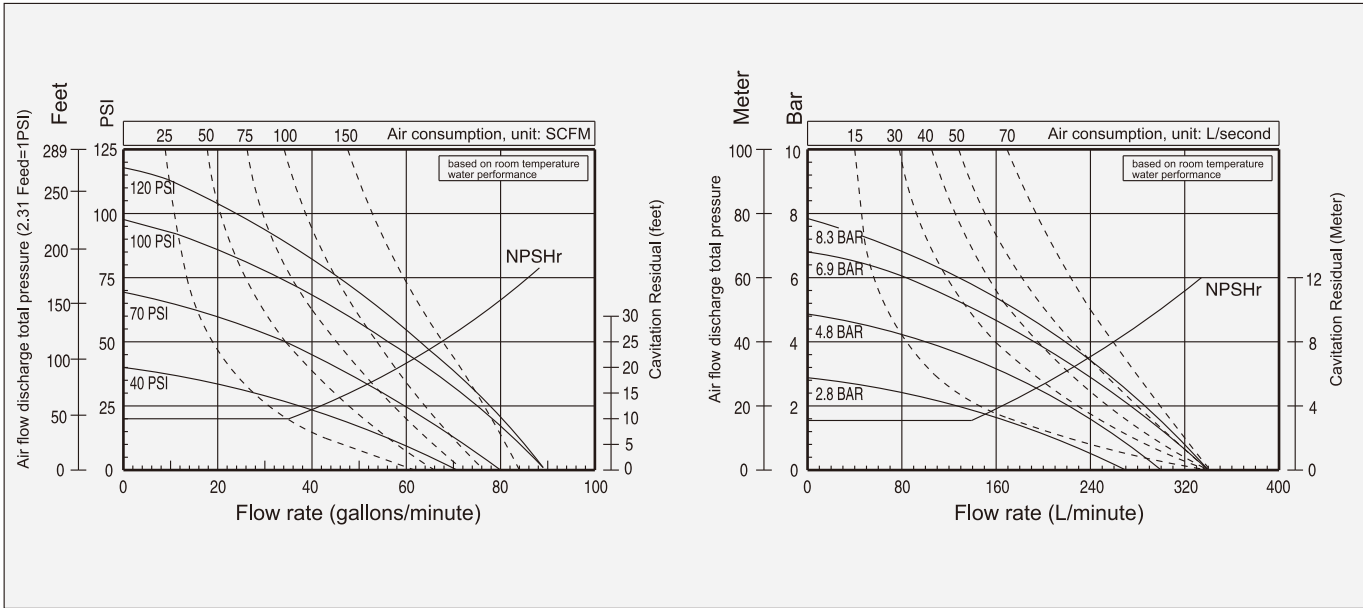
QA 17	X	-	X	X	X	-	C
Motor Material	Wetted Parts		Seat Material	Ball Valve Material	Diaphragm Material		
Aluminum Alloy, NPT	0-Aluminum Alloy B-Stainless Steel		2-Stainless Steel 3-Polypropylene 4-PTFE	4-PTFE C-HYTREL E-Santoprene	2-Nitril 4-PTFE/Santoprene 9-HYTREL B-Santoprene		

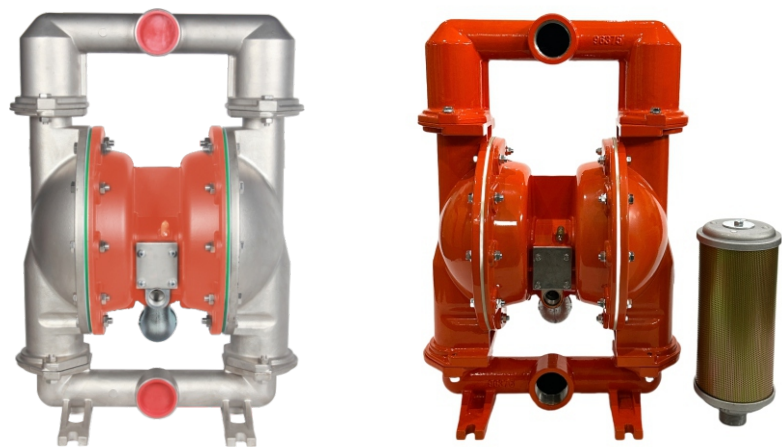
1-1/2" METALLIC SIZE



Dimensions are approximate and in millimeters

1-1/2" Metallic Pump Performance Curve





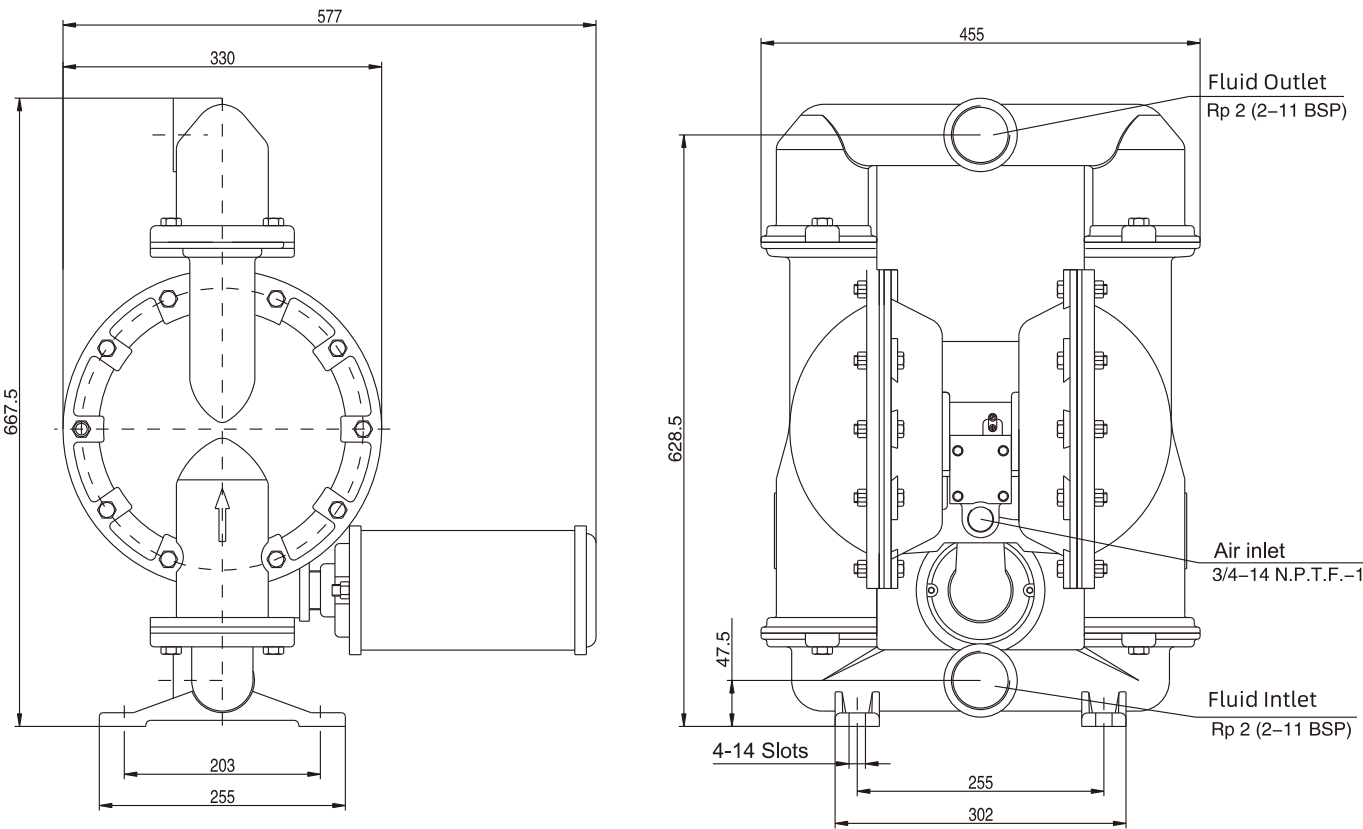
2" Metallic Pump Technical Specifications

Maximum flow:	651	Liters/minute	
Displacement per cycle:	5.3	Liter	
Air inlet:	3/4-14 NPT-1		
Fluid inlet:	Rp 2(2-11 BSP)		
Fluid outlet:	Rp 2(2-11 BSP)		
Maximum working pressure:	120(8.3)	psi(bar)	
Maximum diameter of suspended solids:	6.4	Millimeter	
Maximum dry suction height:	8.3	meter	
Noise level:	PSI	Cycle/Minute	Decibel(A)
	70	60	85.3

Model Description

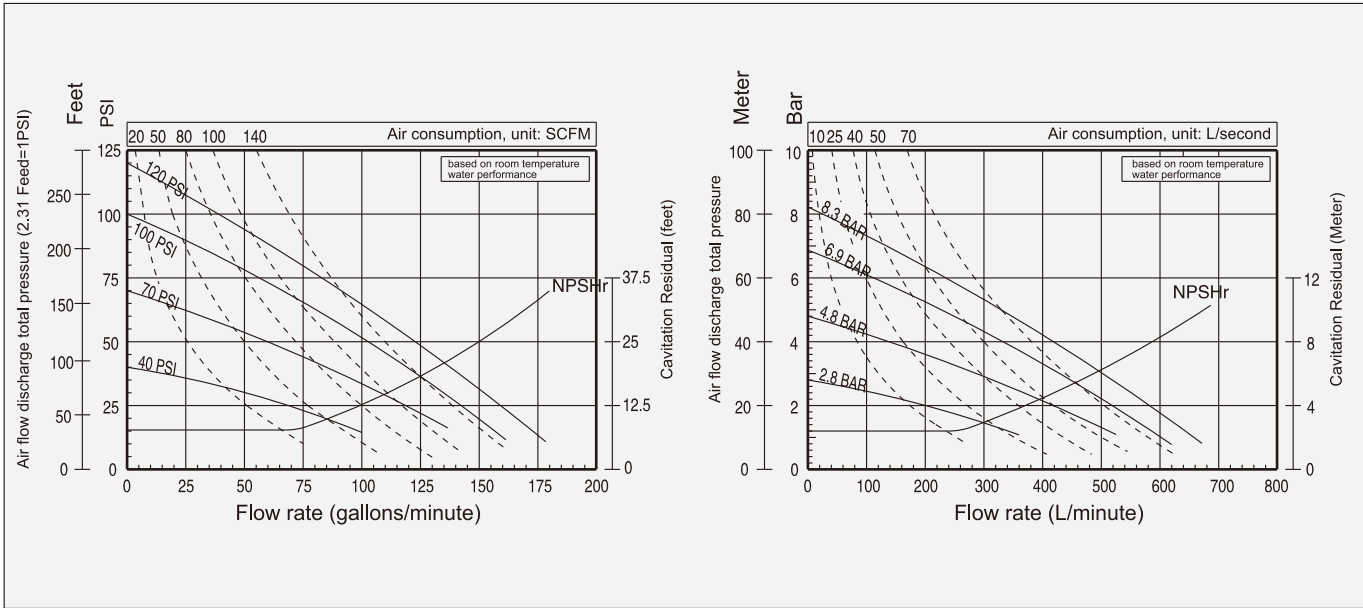
QA27	X	-	X	X	X	-	C
Motor Material	Wetted Parts		Seat Material	Ball Valve Material	Diaphragm Material		
Aluminum Alloy, NPT	0-Aluminum Alloy B-Stainless Steel		1-Aluminum Alloy 2-Stainless Steel 3-Polypropylene 4-PTFE 5-Santoprene	4-PTFE C-HYTREL E-Santoprene	2-Nitril 4-PTFE/Santoprene 9-HYTREL B-Santoprene		

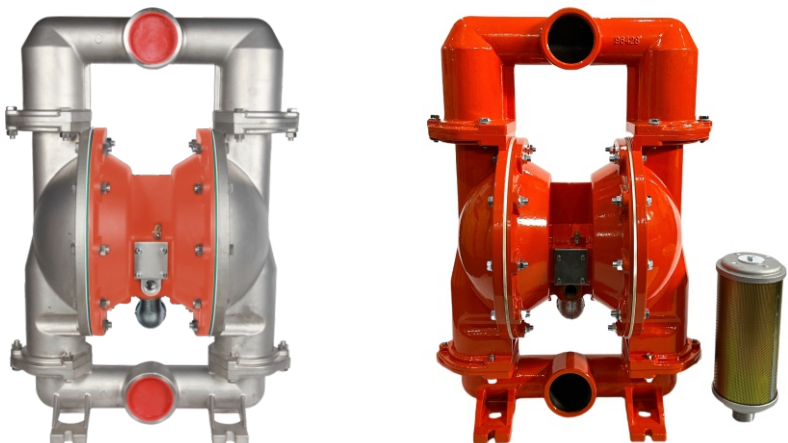
2" METALLIC SIZE



Dimensions are approximate and in millimeters

2" Metallic Pump Performance Curve





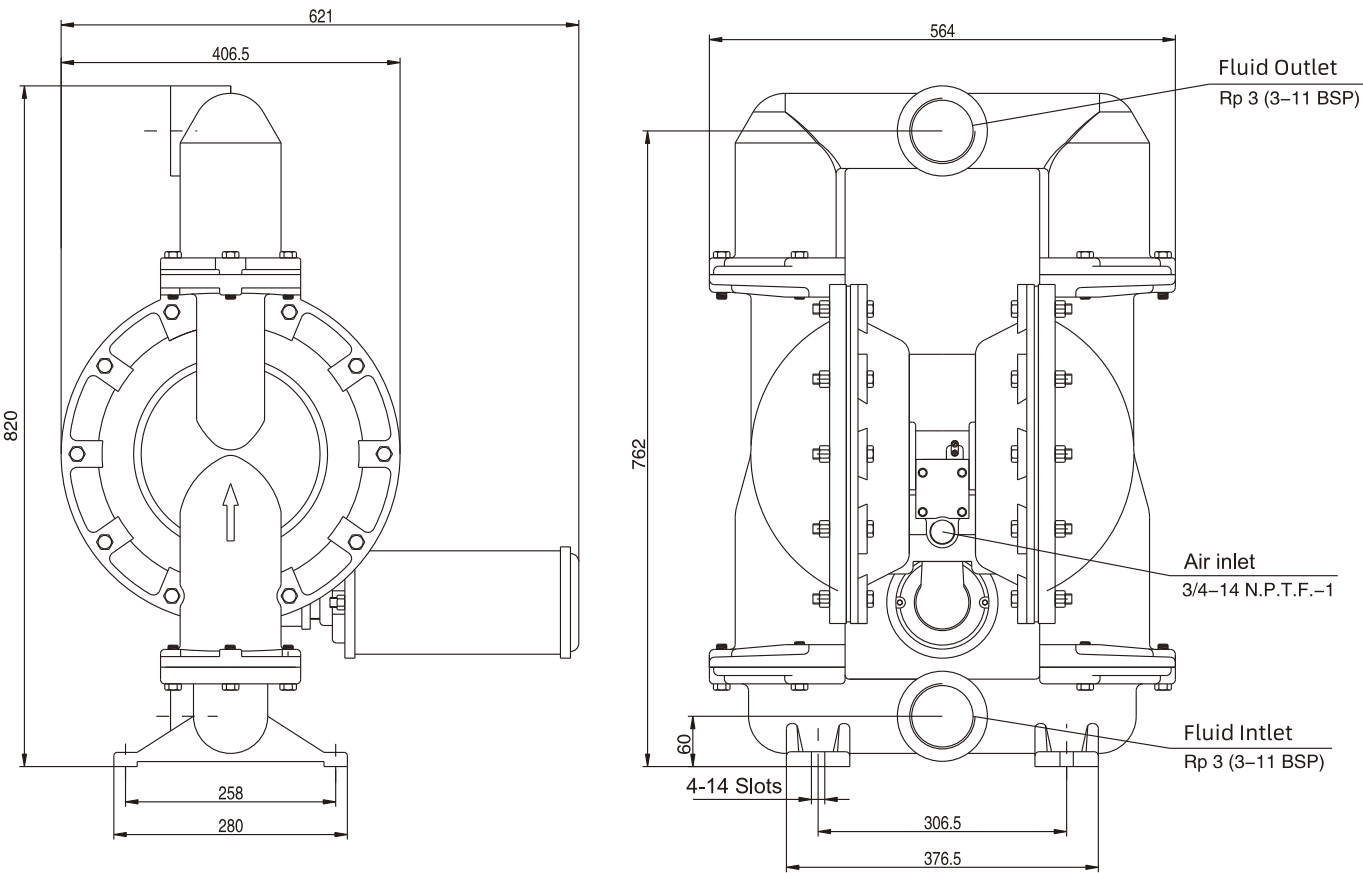
3" Metallic Pump Technical Specifications

Maximum flow:	897	Liters/minute	
Displacement per cycle:	10.03	Liter	
Air inlet:	3/4-14 NPT-1		
Fluid inlet:	Rp 3(3-11 BSP)		
Fluid outlet:	Rp 3(3-11 BSP)		
Maximum working pressure:	120(8.3)	psi(bar)	
Maximum diameter of suspended solids:	9.5	Millimeter	
Maximum dry suction height:	5.4	meter	
Noise level:	PSI	Cycle/Minute	Decibel(A)
	70	60	86.3

Model Description

QA 32	X	-	X	X	X	-	C
Motor Material	Wetted Parts		Seat Material	Ball Valve Material	Diaphragm Material		
Aluminum Alloy, NPT	0-Aluminum Alloy B-Stainless Steel		1-Aluminum Alloy 2-Stainless Steel 3-Polypropylene 4-PTFE 5- Santoprene	4-PTFE C-HYTREL E-Santoprene	2-Nitril 4-PTFE/Santoprene 9-HYTREL B-Santoprene		

3" METALLIC SIZE



Dimensions are approximate and in millimeters

3" Metallic Pump Performance Curve

