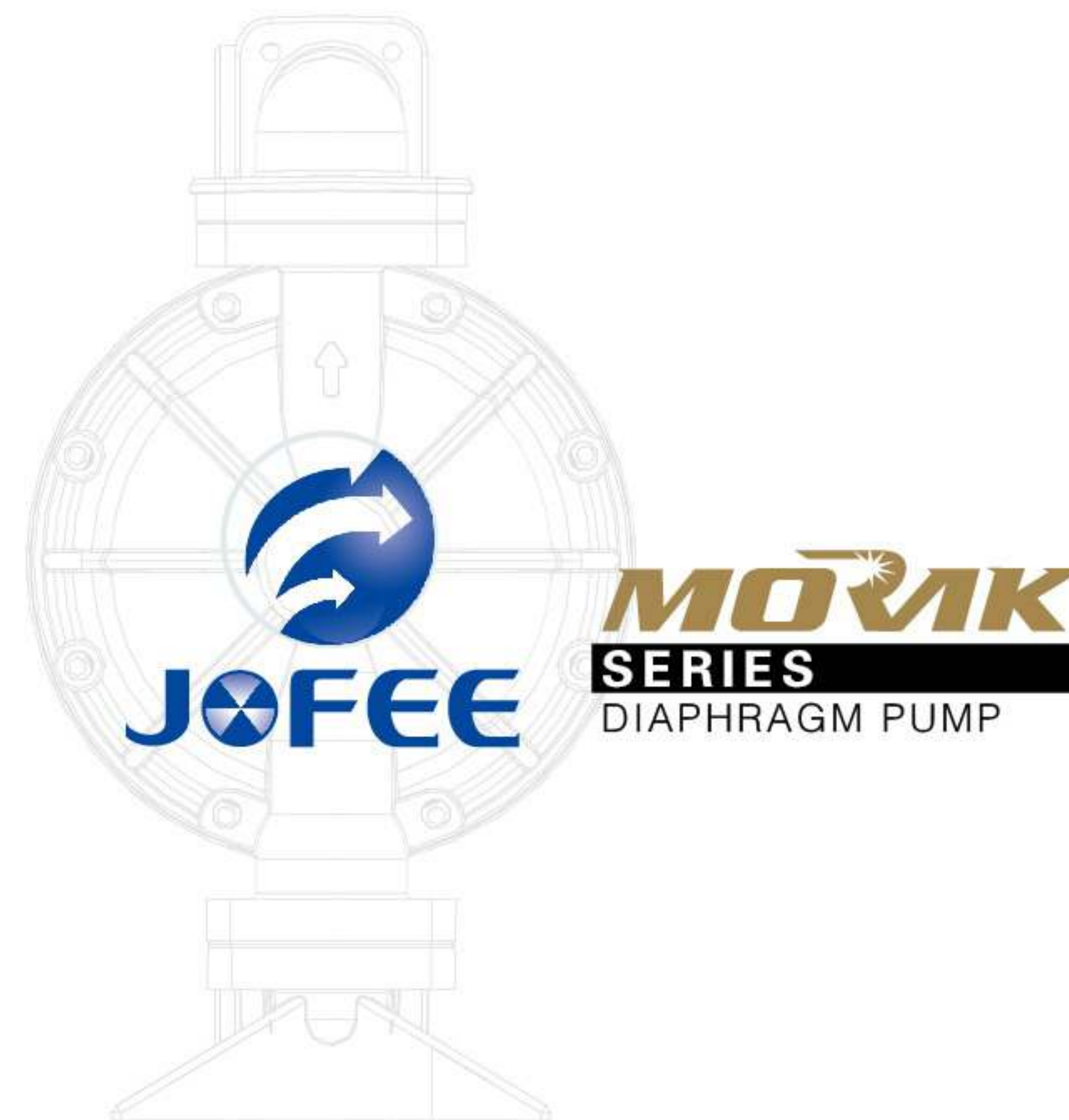


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SHANGHAI JOFEE PUMP CO.,LTD



COMPANY INTRODUCTION

Jofee is the professional and well know diaphragm pump manufacturers in China. The company has professional design and development team, and established a perfect production management, quality control, and market development of the system. Through technical and management innovation to increase the competitiveness.

MORAK series diaphragm pump using the new design air valve, high efficient and durable, no need lubrication, no dead spots, the head up to 84 meters. Jofee committed to providing high quality products and services to fully meet customer and market needs. We sell the pumps to about 40 countries per year, glad to cooperate with you.

The main application of diaphragm pump

1, Food industry:

Pumping peanut butter, pickles, mashed potatoes, small sausage, jam, apple syrup, chocolate, perfume raw materials, hops and yeast slurry, syrup, molasses, etc.

2, Paint industry:

Pumping a variety of paints, resin etc

3, Adhesives and glues

Pumping all kinds Adhesives, glues etc

4, Ceramic industry:

Pumping a variety of tile, porcelain, tiles and pottery glaze etc

5, Mining industry:

After oil well drilling, pumping sediment Pumping the water or mud of mines, trenches, tunnels, mineral processing, slag, cement grout, mortar etc

6, Chemical industry:

Pumping a variety of emulsions and fillers, rubber paste, all kinds of abrasive, oil and mud, grease, A variety of toxic, flammable, volatile liquid, a variety of acids, alkalis, strong corrosive liquids.

7, Environmental protection, wastewater treatment industry:

Filter pressure, pumping A variety of sewage, mud, slurry

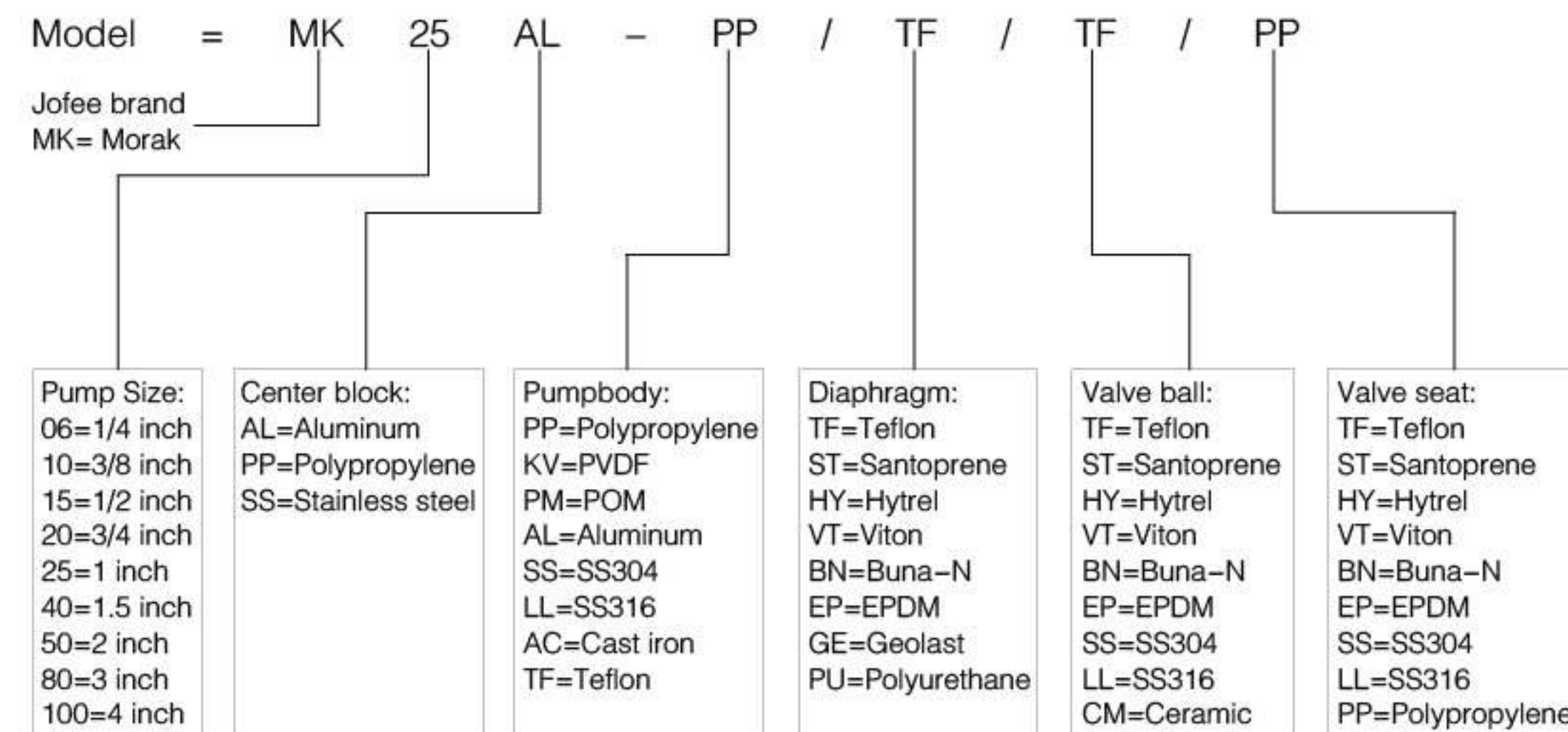
8, Shipping industry:

Pumping a variety of sewage, oil for the oil tankers, barges etc.

9, pumping a variety of high-temperature liquid, the max temperature up to 150 °C



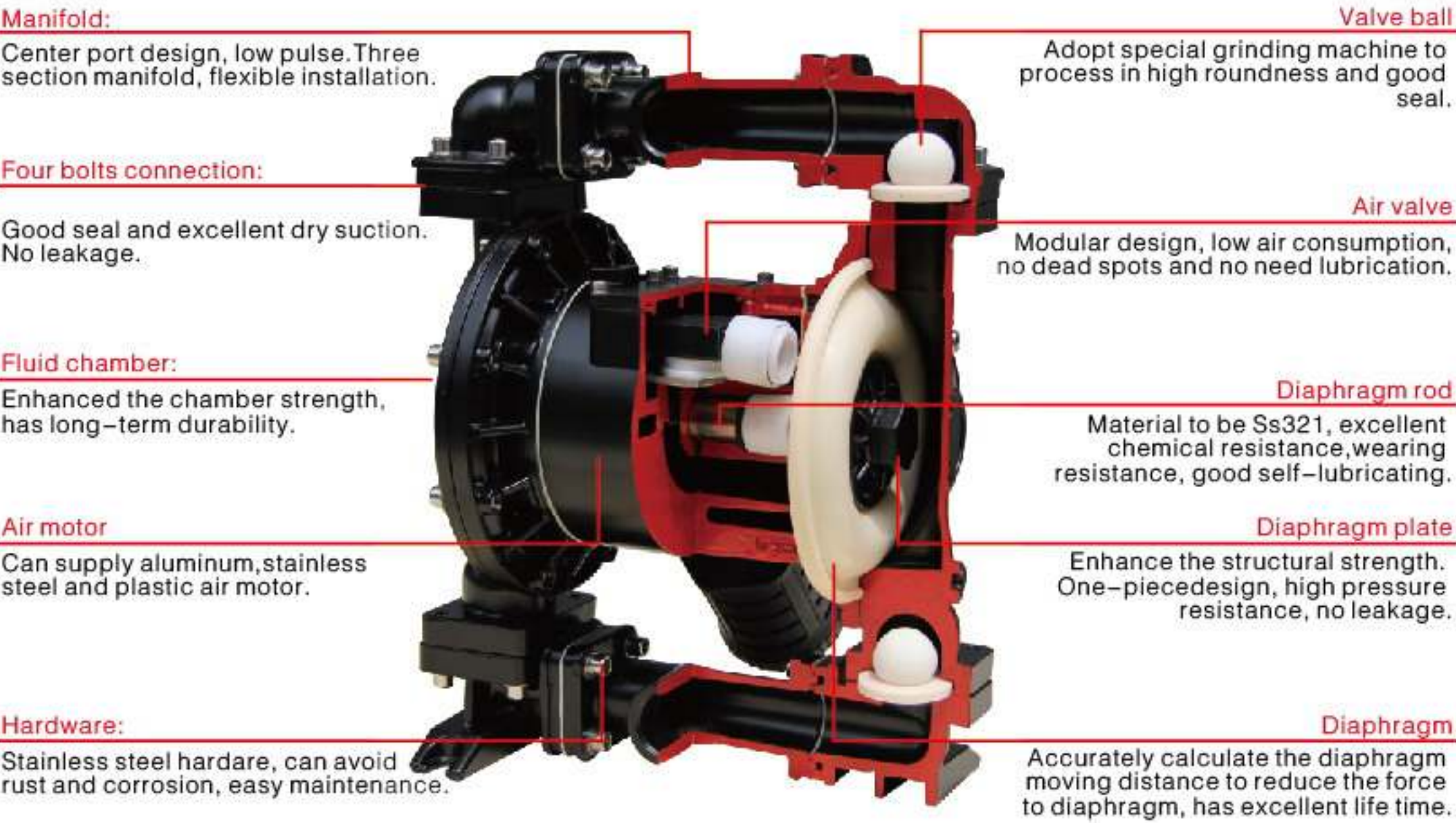
Pump model and material code



General Characteristics

- ※ Without electricity, explosion-proof, can convey flammable fluid
- ※ No dynamic seals, even dry running without damage to the pump.
- ※ No impeller, low shear, will not damage the material structure of fluid.
- ※ Submersible, mobile, flexible installation, easy maintenance
- ※ Can convey high-thick, high-viscosity fluid.
- ※ Can convey acid, alkali, strong organic solvents and other fluid.
- ※ Changing the inlet air and pressure, to adjust the flow rate and head

Jofee' s pump Characteristics



Operating temperature limitation

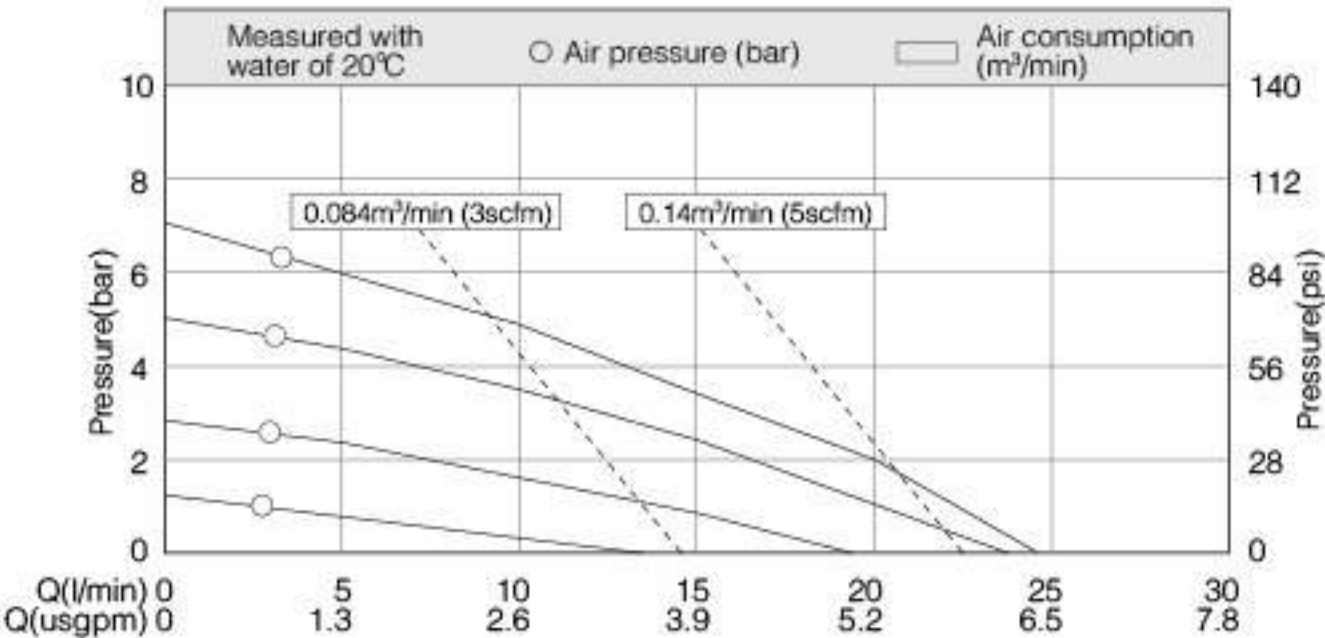
Diaphragm Material	Maximum	Minimum
Viton:excellent corrosion resistance, resistance to various acids (including the medianconcentration of oxidizing acid),alkali, salt, petroleum products, hydrocarbons, etc.	350 ℉ 176.6℃	-40 ℉ -40℃
PTFE(Teflon): excellen corrosion resistance, almost resistant to all chemical media (including concentrated nitric acid and aqua regia). Except melting of lithium, potassium,sodium, chlorine trifluoride, high-temperature oxygen trifluoride, sulfur-speed liquid fluorine.	350 ℉ 176.6℃	40 ℉ 4.4℃
Santoprene: good abrasion resistance, chemical resistance and heat resistance, suitable for general acid and alkali, not suitable solvent. Can replace the EPDM/EPR material.	220 ℉ 104.4℃	-20 ℉ -28.9℃
Hytrel:good abrasion resistance, used in most of the neutral fluid. Can replace Buna-N materials.	220 ℉ 104.4℃	-20 ℉ -28.9℃
EPDM:abrasion resistance, aging resistance, ozone resistance , suitable for general acid and alkali.	250 ℉ 121.6℃	-40 ℉ 40℃
Buna-N: widely used in gasoline and other oil products. Suitable for use at room temperature.	212 ℉ 100℃	-40 ℉ 40℃
GE: better abrasion resistance than Hytrel, the same chemical resistance as Buna-N.	220 ℉ 104.4℃	-20 ℉ -28.9℃
Pumpbody material		
PP: Medium abrasion resistance, good chemical resistance, good versatility, especially for common acid-base.	150 ℉ 65.5℃	40 ℉ 4.4℃
POM: good solvent resistance, abrasion resistance. Low friction, low moisture absorption.	150 ℉ 65.5℃	40 ℉ 4.4℃
PVDF: strong chemical resistance, crush resistance, abrasion resistance. good corrosion resistance for acid,alkali and variety of organic solvents.	200 ℉ 93.3℃	40 ℉ 4.4℃

Note: The maximum and minimum temperature is the limited operating temperature of these materials. Temperature and pressure will affect the diaphragm life. Operating under the maximum or minimum temperature, can not achieve maximum life

MK06/10 Plastic pump



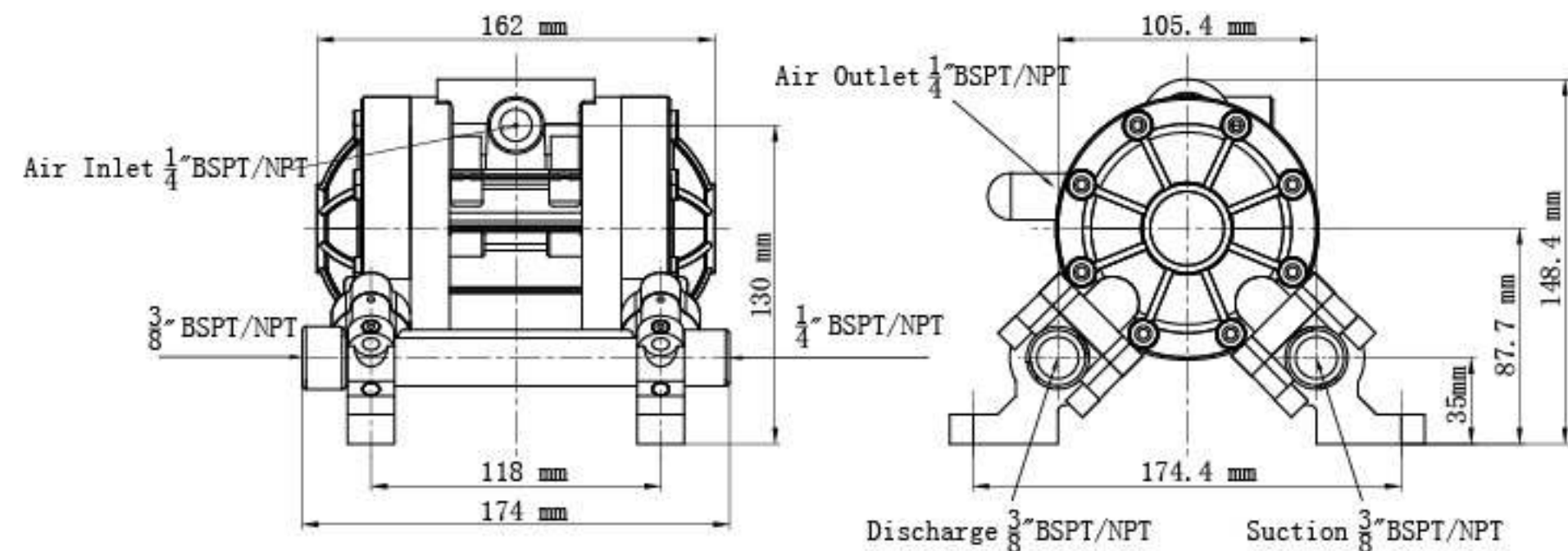
Performance curve



Technical parameters		
Suction lift[mwc]	dry	2.1
	wet	3.7~6.4
Max particle diameter[mm]	1.6	
Suction and discharge size[in]	1/4 3/8	
Air inlet size[in]	1/4	
Max flow[l/min]	27	
Max head[m]	70	
Max air inlet pressure[bar]	7	

material quality	
Pumpbody: PP, PVDF, POM	
Diaphragm: Santoprene, Hytrel, Teflon, Viton, EPDM, Buna-N	
Check valve: PP, PVDF, POM	
Center block: PP	
Weight	
PP Pump / POM pump: 1.5 Kgs	
PVDF pump: 2 Kgs	

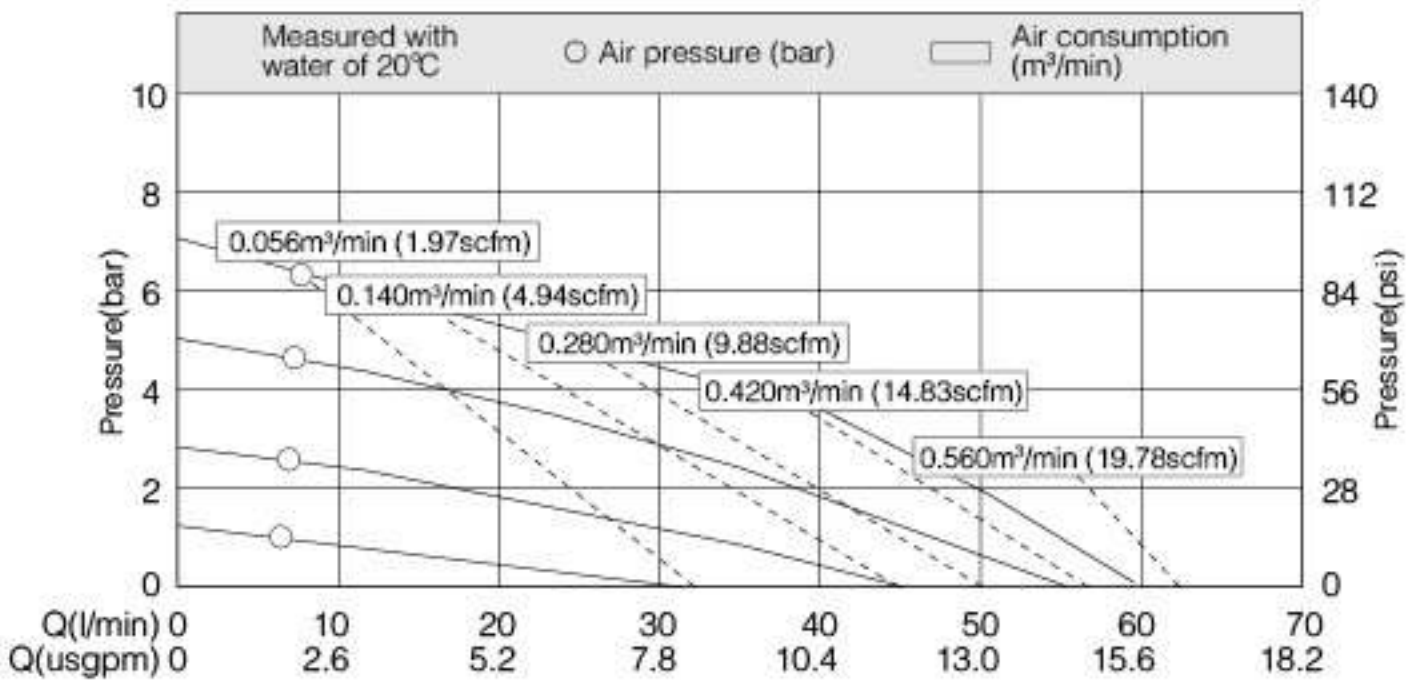
Installation size



MK15 Aluminum pump



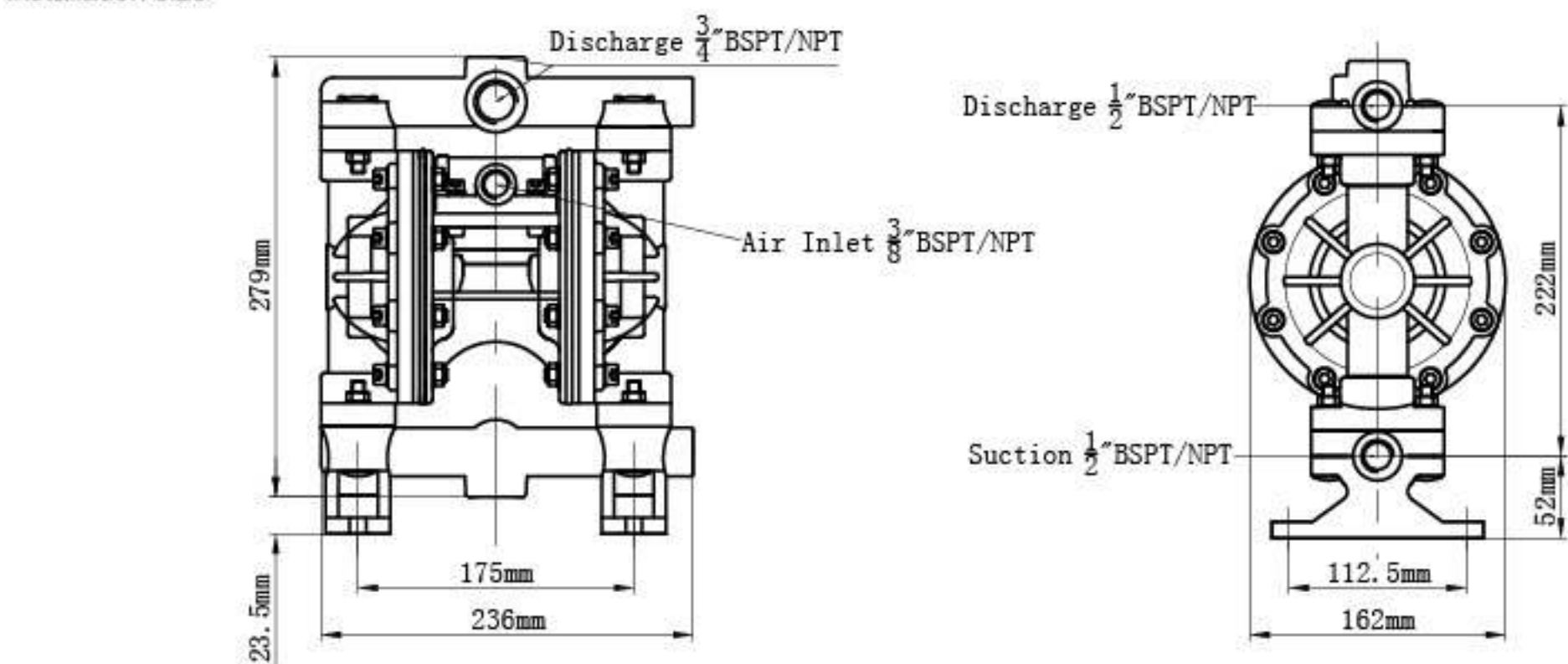
Performance curve



Technical parameters		
Suction lift[mwc]	dry	4
	wet	7.6
Max particle diameter[mm]	2.5	
Suction and discharge size[in]	1/2 3/4	
Air inlet size[in]	3/8	
Max flow[l/min]	57	
Max head[m]	84	
Max air inlet pressure[bar]	8.4	

material quality	
Pumpbody: Aluminum	
Diaphragm: Santoprene, Hytrel, Teflon, Viton, EPDM, Buna-N	
Valve ball: Teflon, Stainless steel, Santoprene	
Valve seat: SS304, SS316	
Center block: PP	
Weight	
Aluminum pump: 4.5 Kgs	

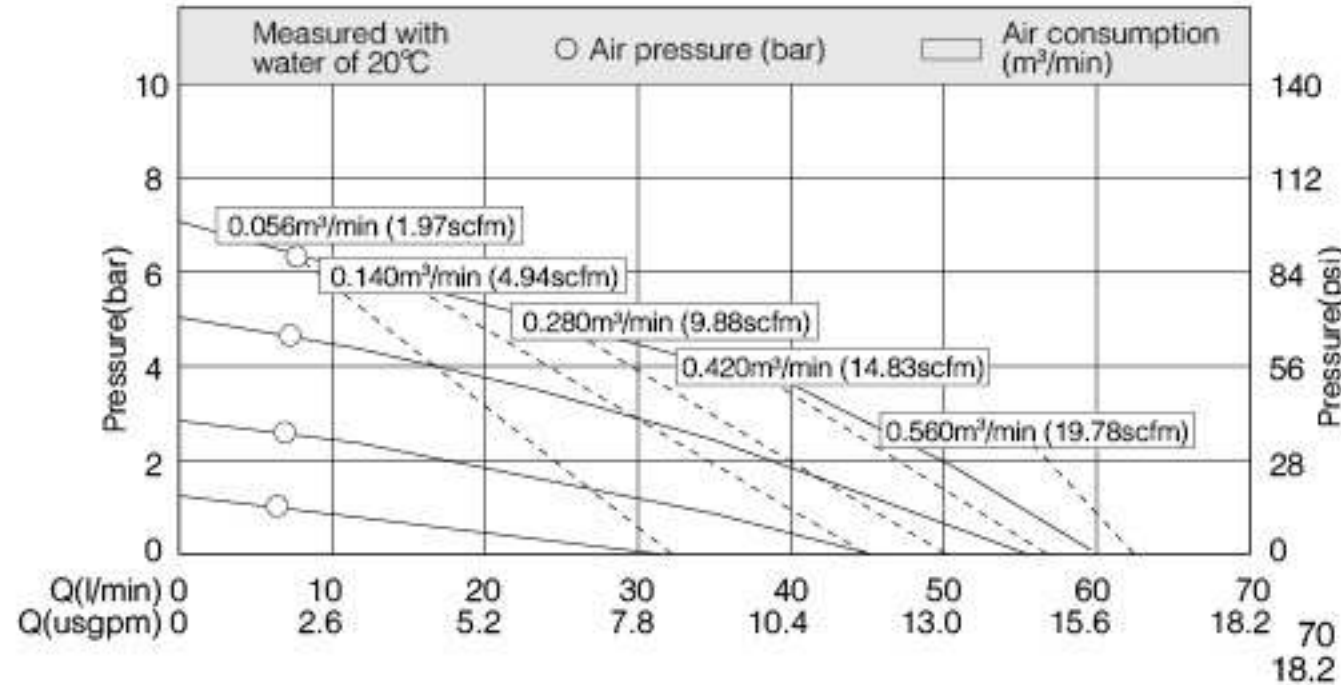
Installation size



MK15 Plastic pump

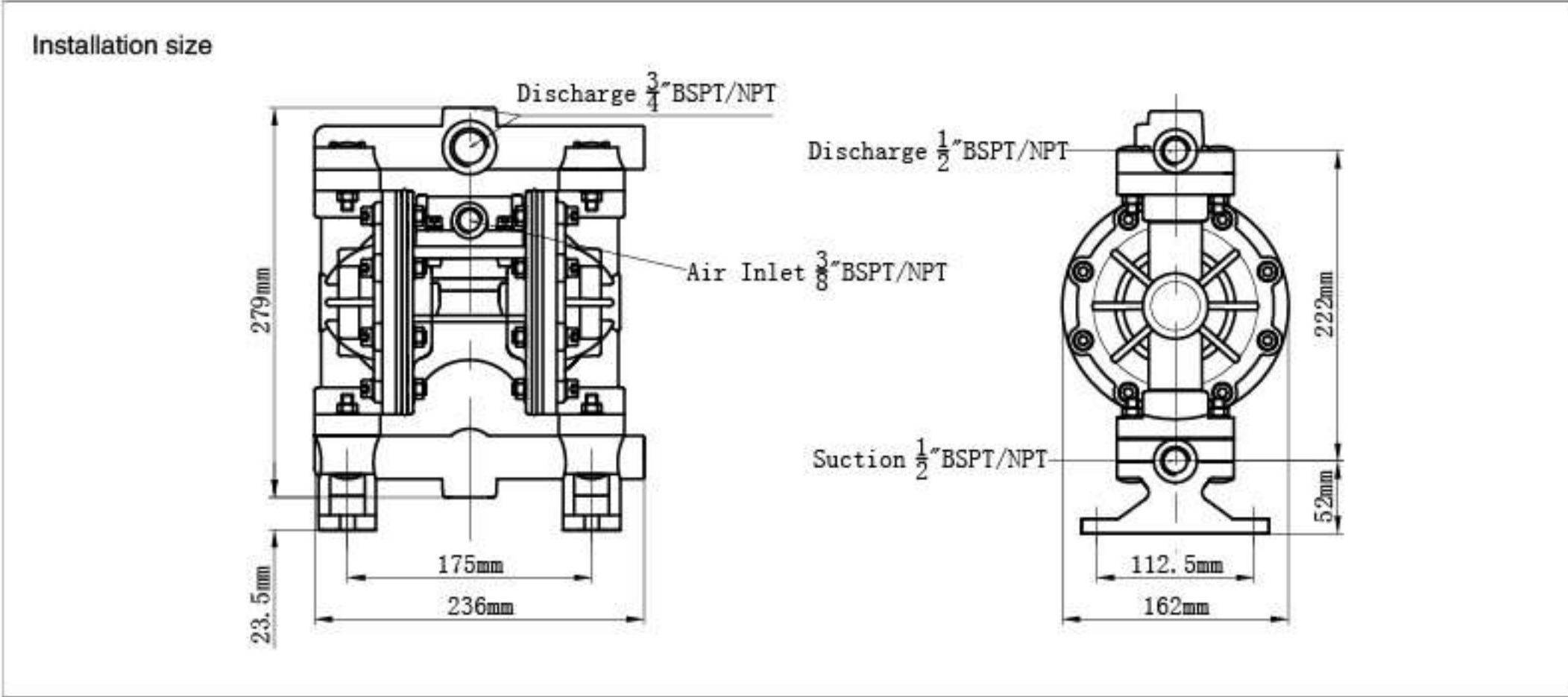


Performance curve



Technical parameters		
Suction lift[mwc]	dry	4
	wet	7.6
Max particle diameter[mm]	2.5	
Suction and discharge size[in]	1/2 3/4	
Air inlet size[in]	3/8	
Max flow[l/min]	57	
Max head[m]	84	
Max air inlet pressure[bar]	8.4	

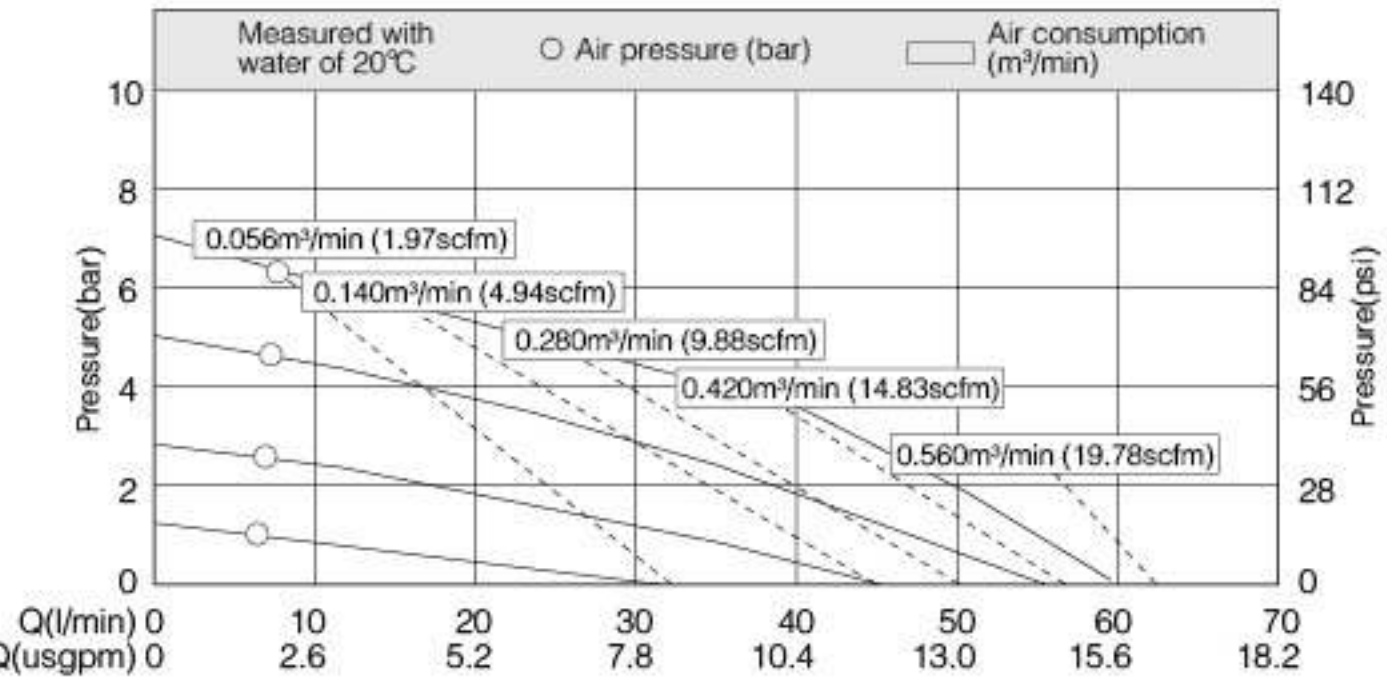
material quality	
Pumpbody: PP, PVDF, POM	
Diaphragm: Santoprene, Hytrel, Teflon, Viton, EPDM, Buna-N	
Valve ball: Teflon, Stainless steel, Santoprene	
Valve seat: PP, PVDF, POM	
Center block: PP	
Weight	
PP pump / POM pump: 3.5 Kgs	
PVDF pump: 4.5 Kgs	



MK15 Stainless steel pump

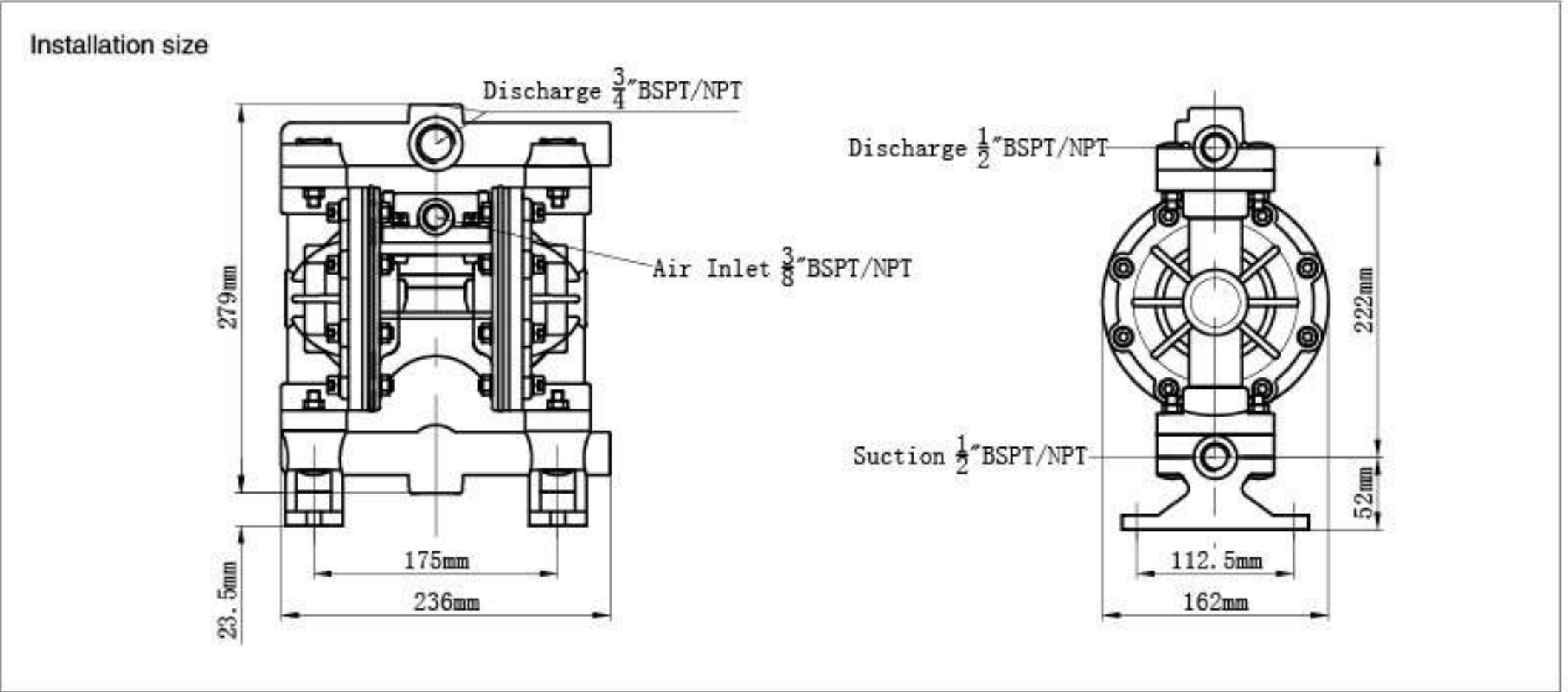


Performance curve

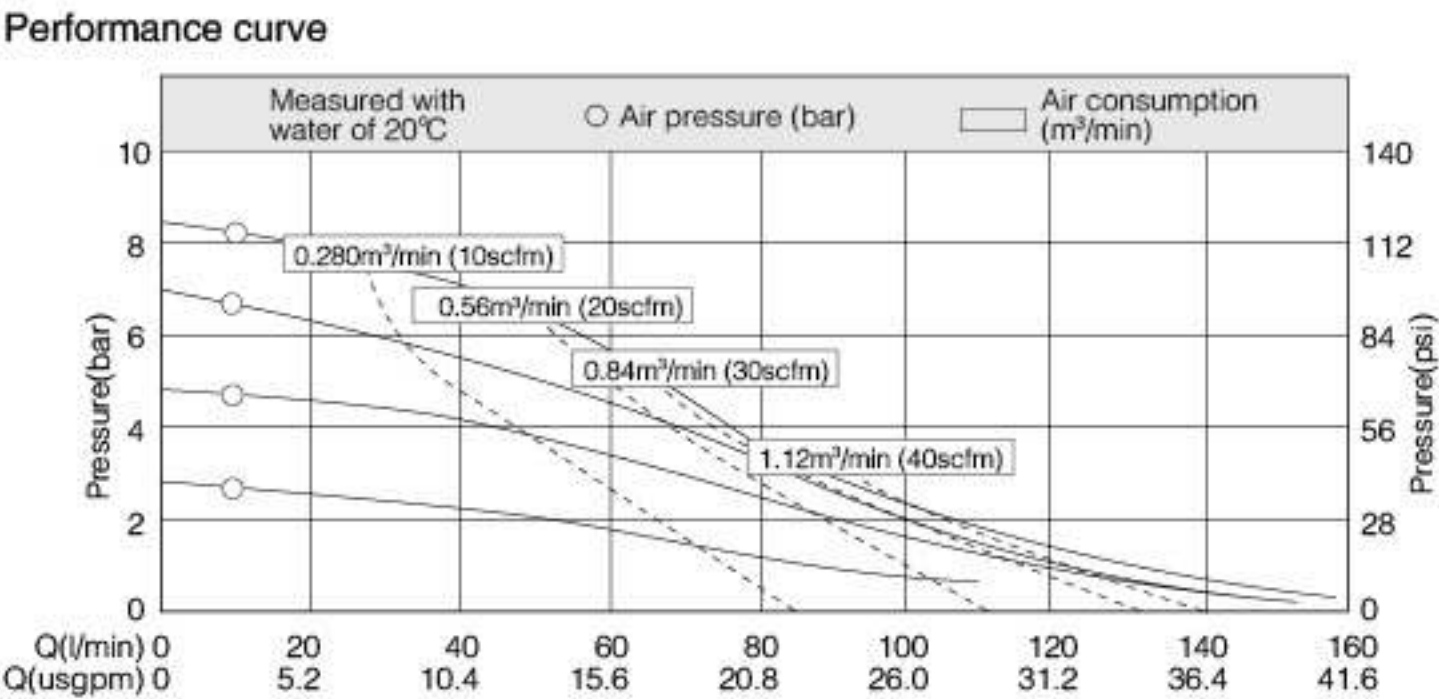


Technical parameters		
Suction lift[mwc]	dry	4
	wet	7.6
Max particle diameter[mm]	2.5	
Suction and discharge size[in]	1/2 3/4	
Air inlet size[in]	3/8	
Max flow[l/min]	57	
Max head[m]	84	
Max air inlet pressure[bar]	8.4	

material quality	
Pumpbody: SS304, SS316, SS316L	
Diaphragm: Santoprene, Hytrel, Teflon, Viton, EPDM, Buna-N	
Valve ball: Teflon, Stainless steel, Santoprene	
Valve seat: SS304, SS316, SS316L	
Center block: PP	
Weight	
SS304 Pump: 7.5 Kgs	
SS316 pump: 7.5 Kgs	

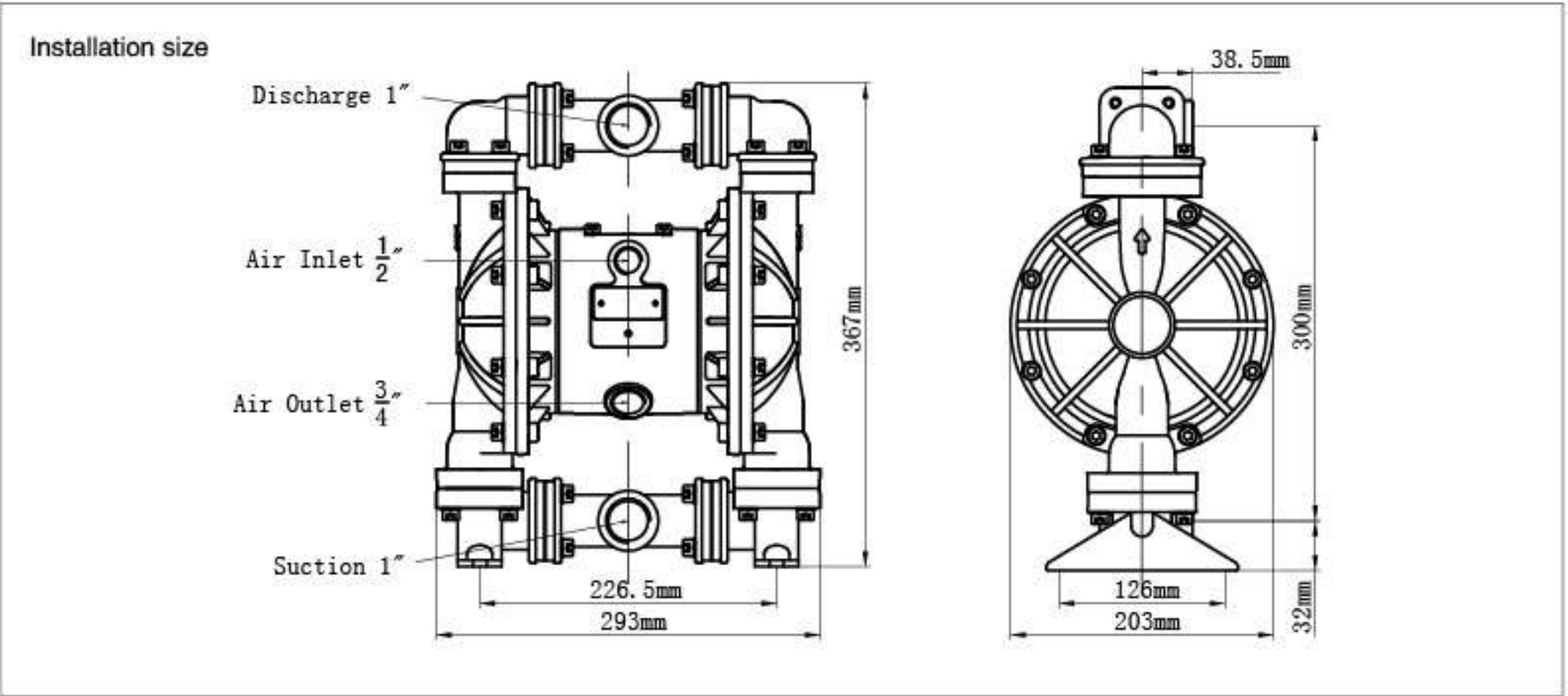


MK25 Aluminum /cast iron pump

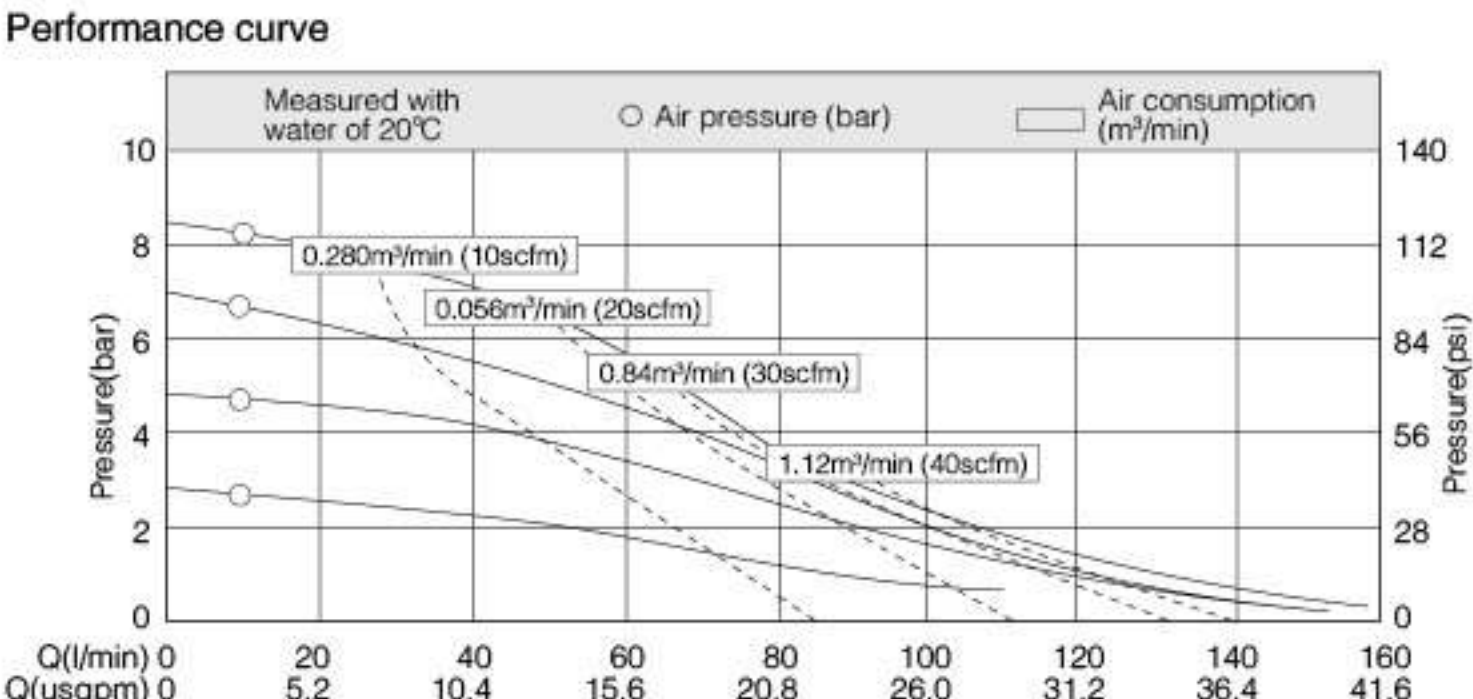


Technical parameters		
Suction lift[mwc]	dry	4
	wet	8
Max particle diameter[mm]	4	
Suction and discharge size[in]	1	
Air inlet size[in]	1/2	
Max flow[l/min]	157	
Max head[m]	84	
Max air inlet pressure[bar]	8.4	

material quality	
Pumpbody: Aluminum, Cast iron	
Diaphragm: Santoprene, Hytrel, Teflon, Viton, EPDM, Buna-N	
Valve ball: Santoprene, Hytrel, Teflon, Viton, Stainless steel, Ceramic	
Valve seat: Santoprene, Hytrel, Teflon, Viton, Stainless steel	
Center block: PP, Aluminum, Stainless steel	
Weight	
Aluminum pump: 11 Kgs	
Cast iron pump: 25 Kgs	

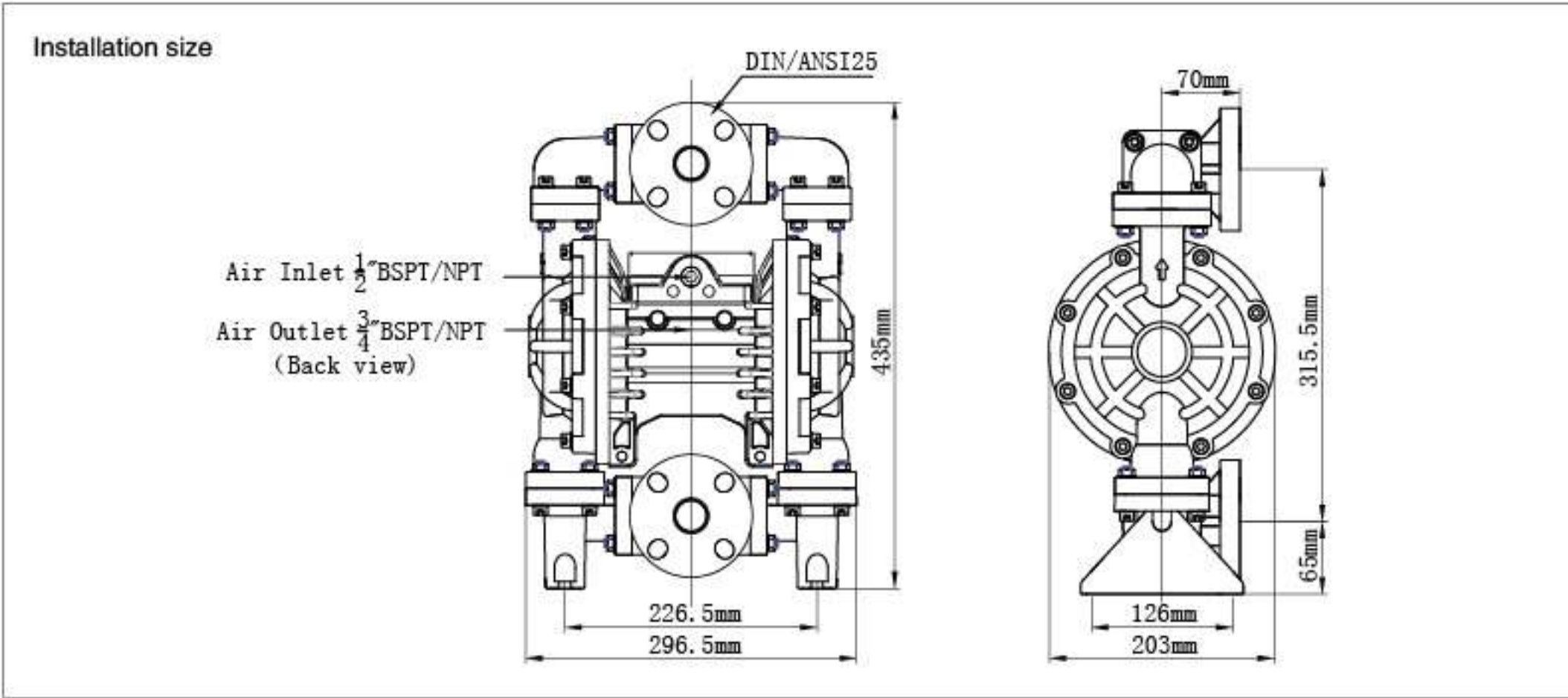


MK25 Plastic pump



Technical parameters		
Suction lift[mwc]	dry	4
	wet	8
Max particle diameter[mm]	4	
Suction and discharge size[in]	1	
Air inlet size[in]	1/2	
Max flow[l/min]	157	
Max head[m]	84	
Max air inlet pressure[bar]	8.4	

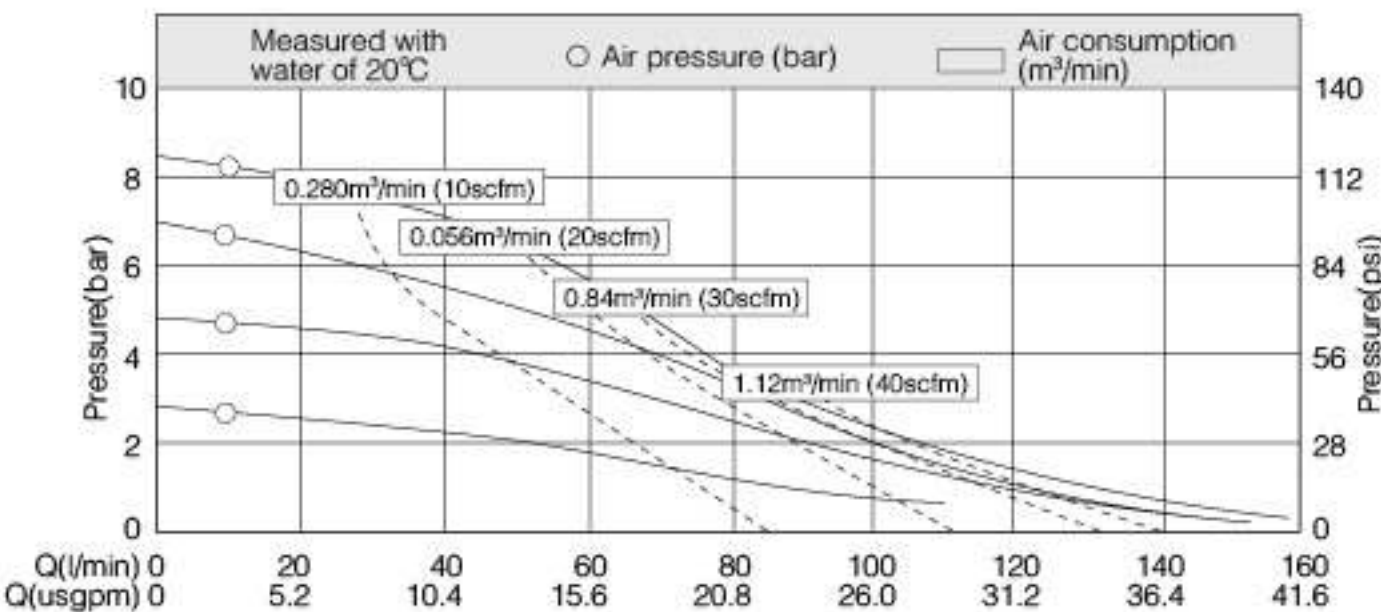
material quality	
Pumpbody: PP, PVDF, POM	
Diaphragm: Santoprene, Hytrel, Teflon, Viton, EPDM, Buna-N	
Valve ball: Teflon, Stainless steel, Santoprene, Hytrel, Viton, Ceramic	
Valve seat: Teflon, Santoprene, Hytrel, Viton, PP	
Center block: PP, Aluminum, Stainless steel	
Weight	
PP pump / POM pump: 9 Kgs	
PVDF pump: 12 Kgs	



MK25 Stainless steel pump



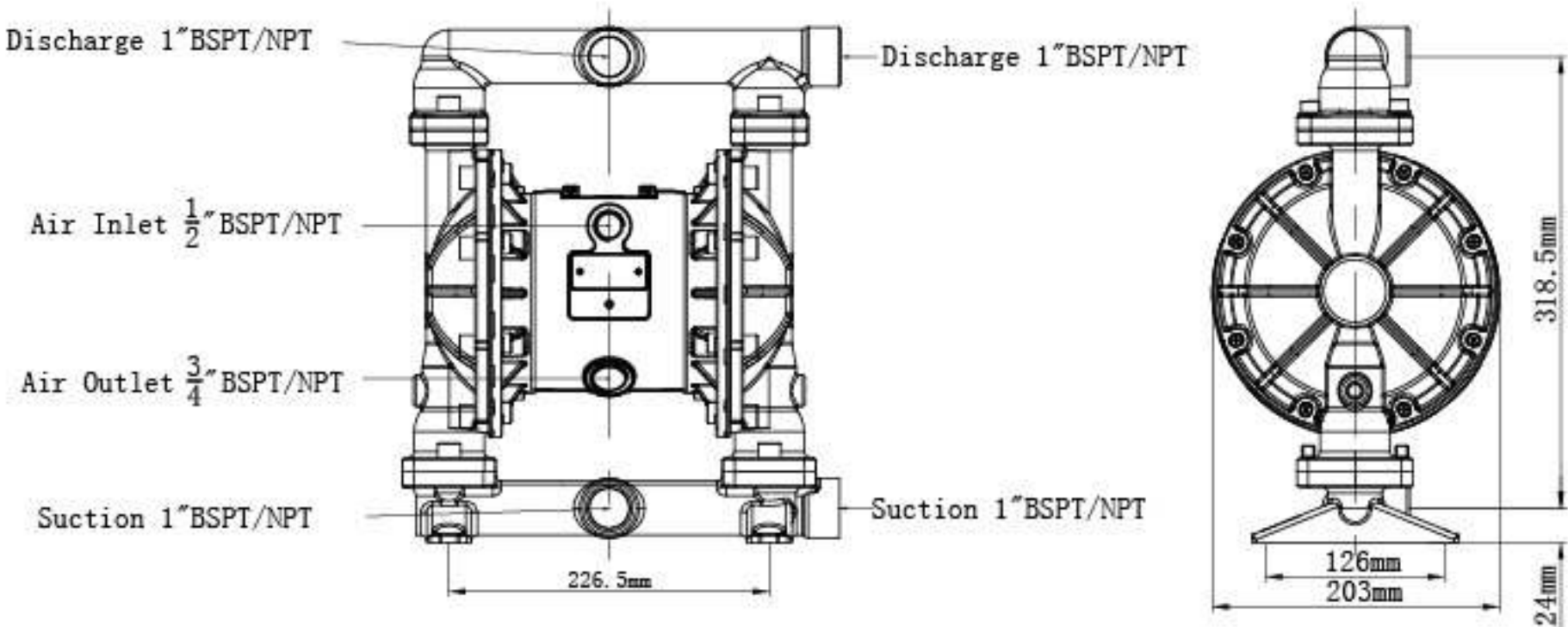
Performance curve



Technical parameters		
Suction lift[mwc]	dry	4
	wet	8
Max particle diameter[mm]	4	
Suction and discharge size[in]	1	
Air inlet size[in]	1/2	
Max flow[l/min]	157	
Max head[m]	84	
Max air inlet pressure[bar]	8.4	

material quality	
Pumpbody: SS304, SS316, SS316L	
Diaphragm: Santoprene, Hytrel, Teflon, Viton, EPDM, Buna-N	
Valve ball: Santoprene, Hytrel, Teflon, Viton, Stainless steel, Ceramic	
Valve seat: Santoprene, Hytrel, Teflon, Viton, Stainless steel	
Center block: PP, Aluminum, Stainless steel	
Weight	
SS304 Pump: 16 Kgs	
SS316 pump: 16 Kgs	

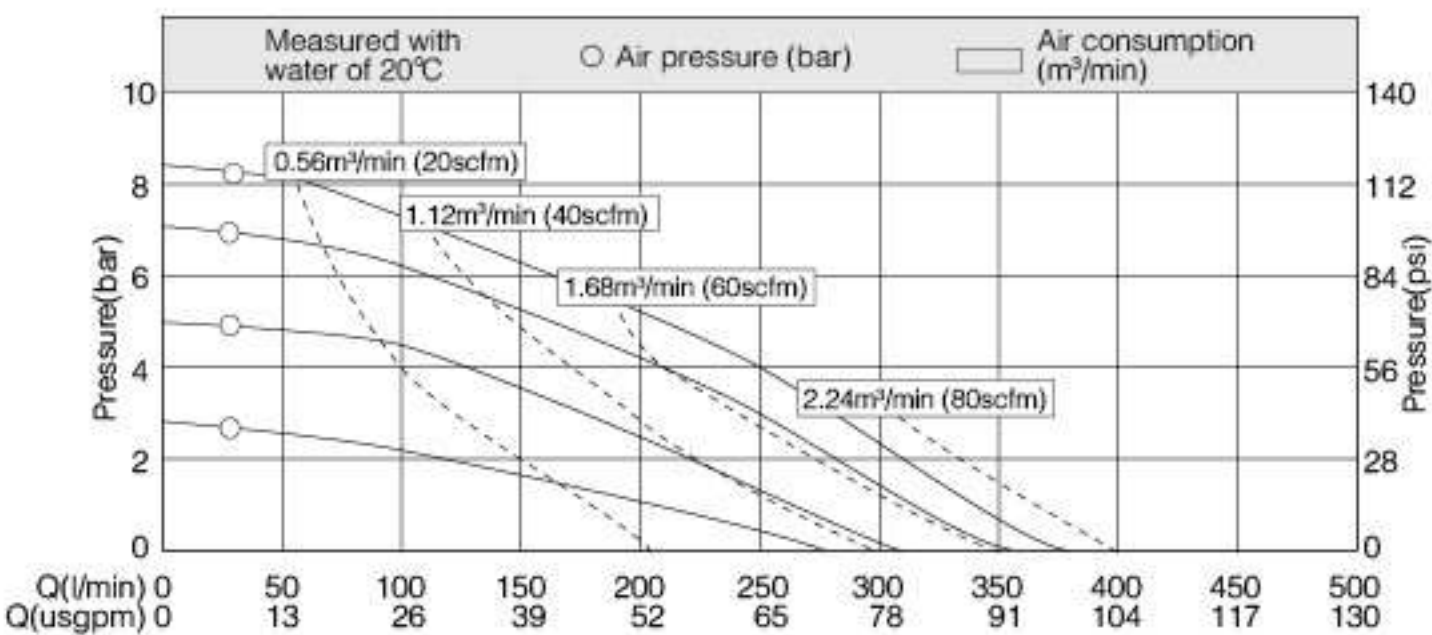
Installation size



MK40 Aluminum /cast iron pump



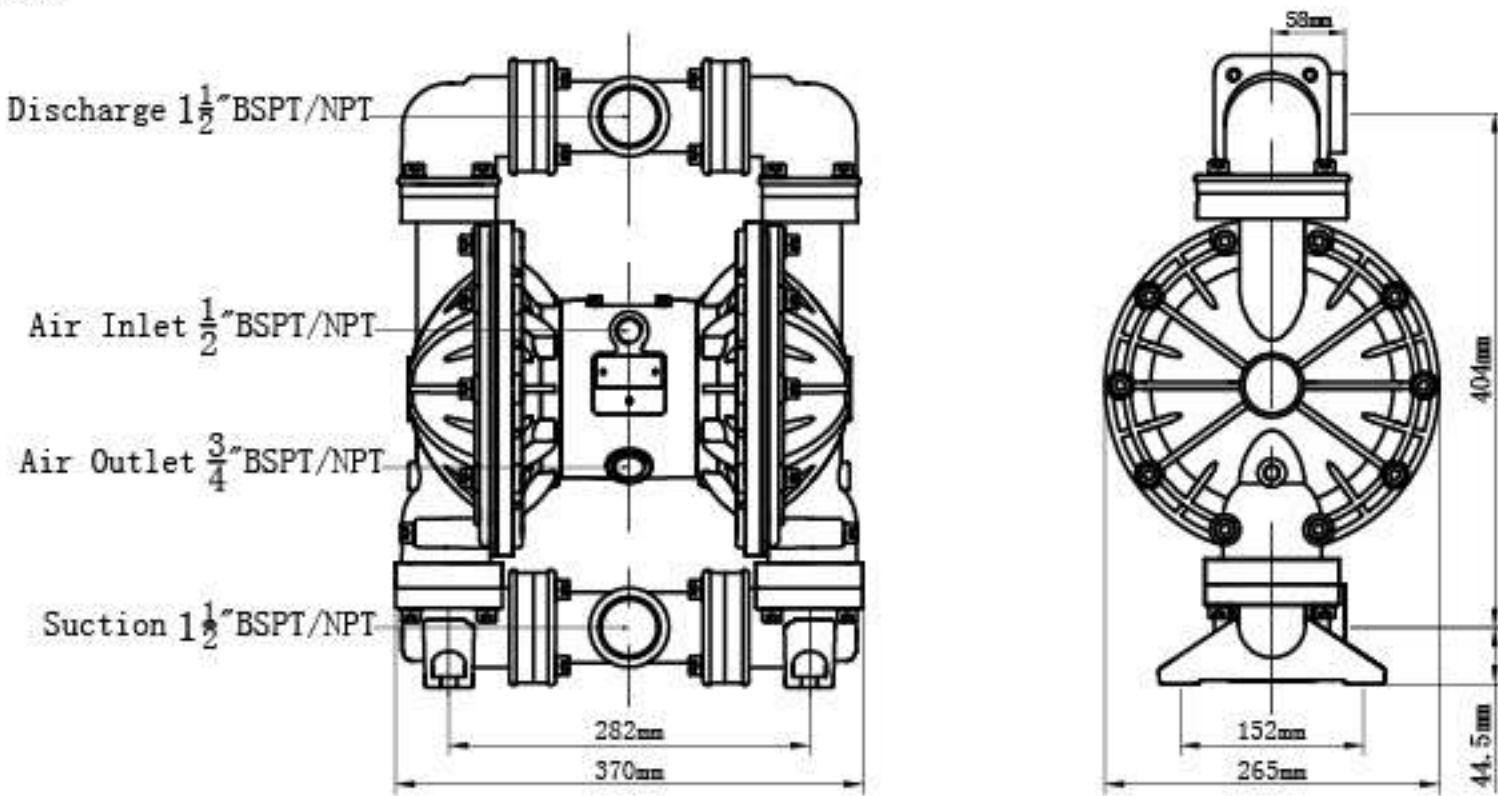
Performance curve



Technical parameters		
Suction lift[mwc]	dry	5
	wet	8
Max particle diameter[mm]	5	
Suction and discharge size[in]	1 1/2	
Air inlet size[in]	1/2	
Max flow[l/min]	358	
Max head[m]	84	
Max air inlet pressure[bar]	8.4	

material quality	
Pumpbody: Aluminum, Cast iron	
Diaphragm: Santoprene, Hytrel, Teflon, Viton, EPDM, Buna-N	
Valve ball: Santoprene, Hytrel, Teflon, Viton, Stainless steel, Ceramic	
Valve seat: Santoprene, Hytrel, Teflon, Viton, Stainless steel	
Center block: PP, Aluminum, Stainless steel	
Weight	
Aluminum pump: 20 Kgs	
Cast iron pump: 50 Kgs	

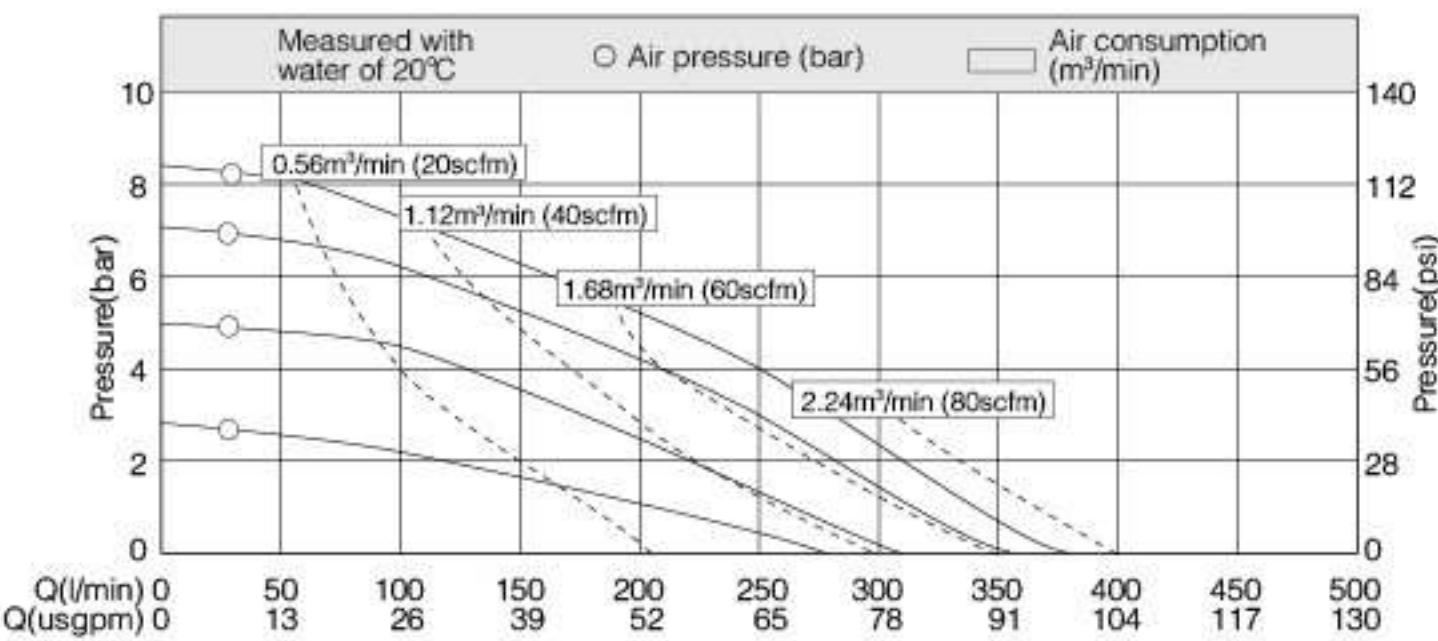
Installation size



MK40 Plastic pump



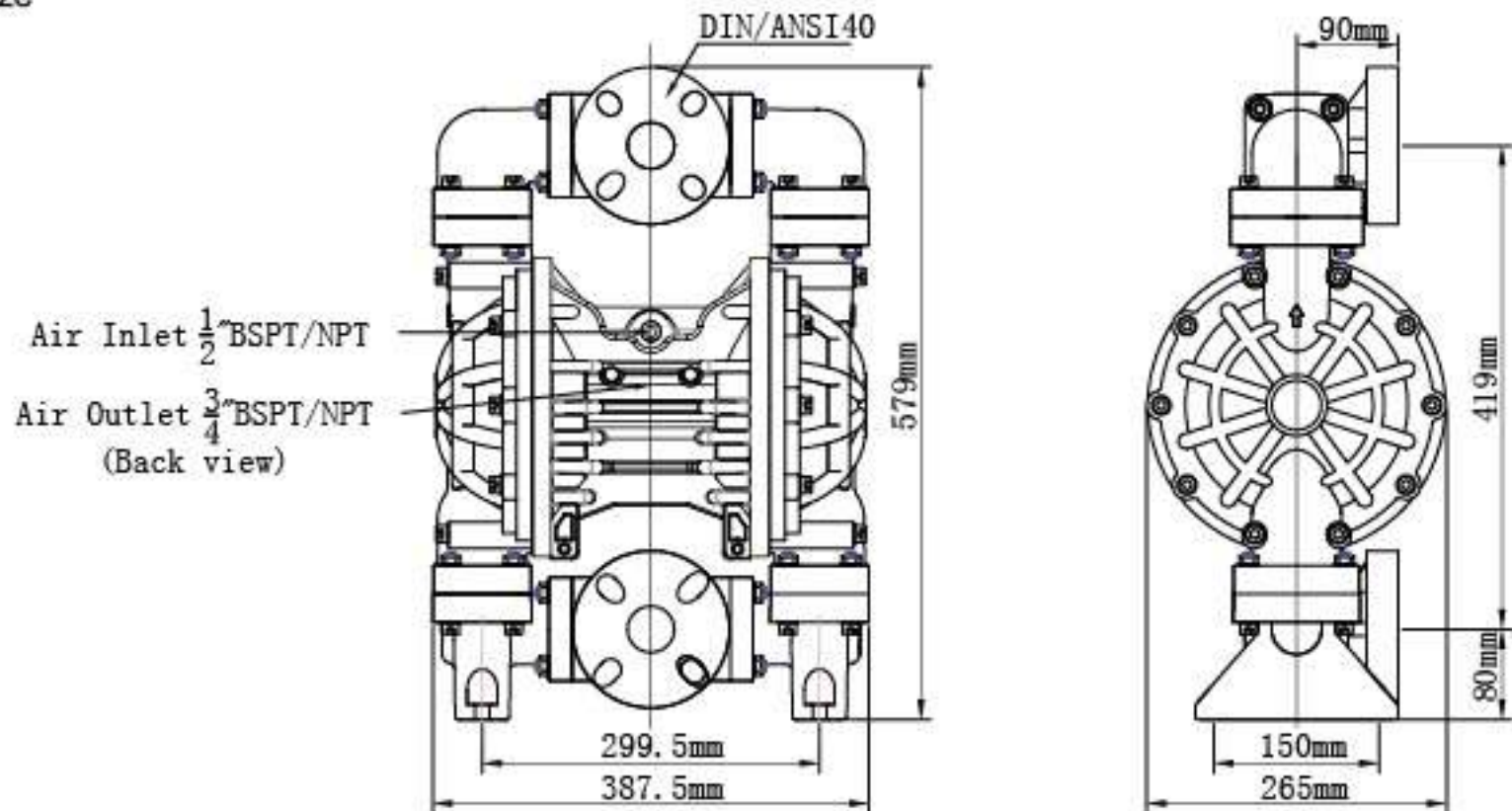
Performance curve



Technical parameters		
Suction lift[mwc]	dry	5
	wet	8
Max particle diameter[mm]	5	
Suction and discharge size[in]	1 1/2	
Air inlet size[in]	1/2	
Max flow[l/min]	358	
Max head[m]	84	
Max air inlet pressure[bar]	8.4	

material quality	
Pumpbody: PP, PVDF	
Diaphragm: Santoprene, Hytrel, Teflon, Viton, EPDM, Buna-N	
Valve ball: Teflon, Stainless steel, Santoprene, Hytrel, Viton, Ceramic	
Valve seat: Teflon, Santoprene, Hytrel, Viton, PP	
Center block: PP, Aluminum, Stainless steel	
Weight	
PP pump: 17 Kgs	
PVDF pump: 24 Kgs	

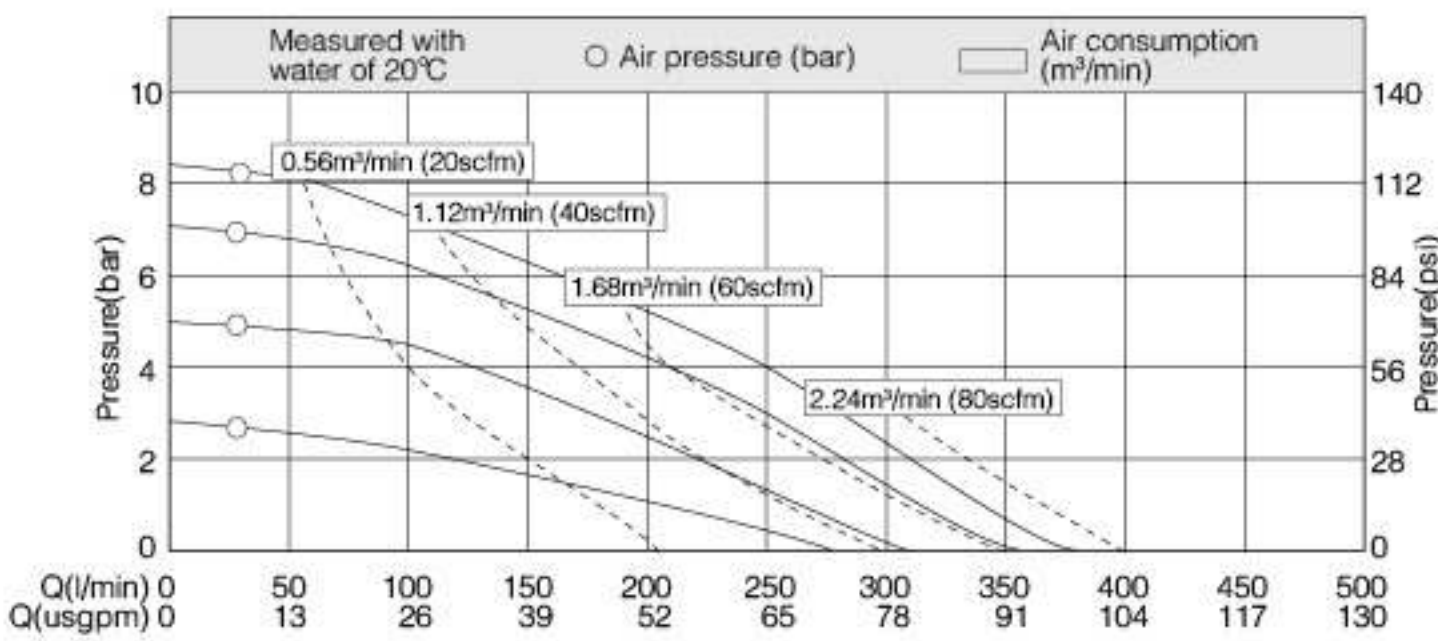
Installation size



MK40 Stainless steel pump



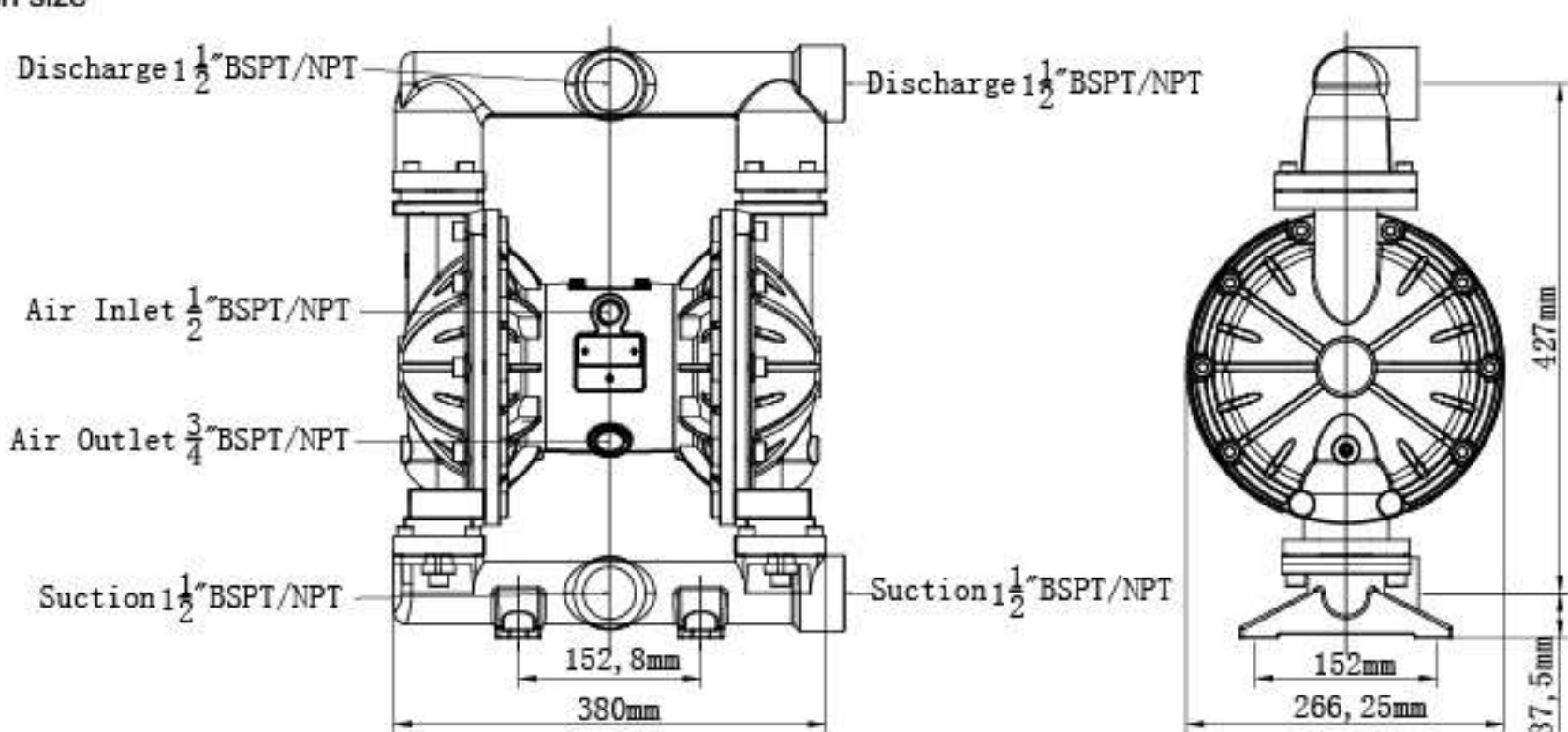
Performance curve



Technical parameters		
Suction lift[mwc]	dry	5
	wet	8
Max particle diameter[mm]	5	
Suction and discharge size[in]	1 1/2	
Air inlet size[in]	1/2	
Max flow[l/min]	358	
Max head[m]	84	
Max air inlet pressure[bar]	8.4	

material quality	
Pumpbody: SS304, SS316, SS316L	
Diaphragm: Santoprene, Hytrel, Teflon, Viton, EPDM, Buna-N	
Valve ball: Santoprene, Hytrel, Teflon, Viton, Stainless steel, Ceramic	
Valve seat: Santoprene, Hytrel, Teflon, Viton, Stainless steel	
Center block: PP, Aluminum, Stainless steel	
Weight	
SS304 pump: 31 Kgs	
SS316 pump: 31 Kgs	

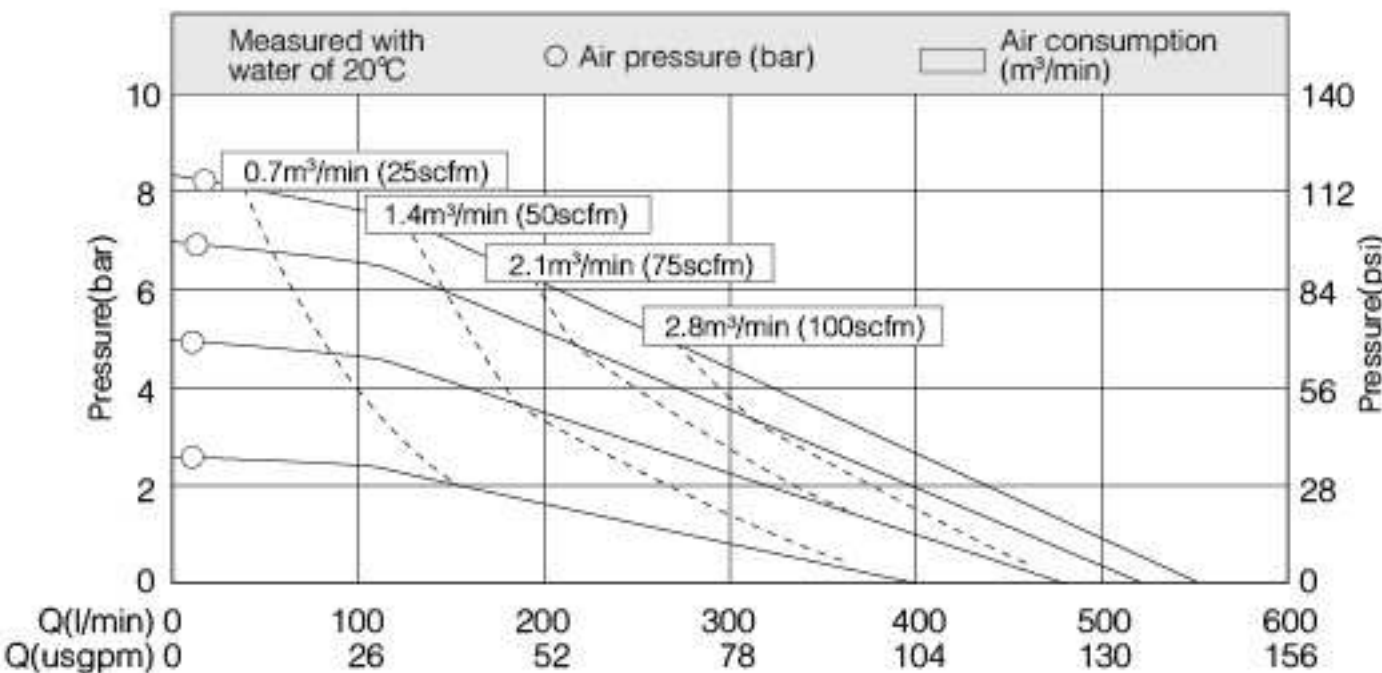
Installation size



MK50 Aluminum /cast iron pump

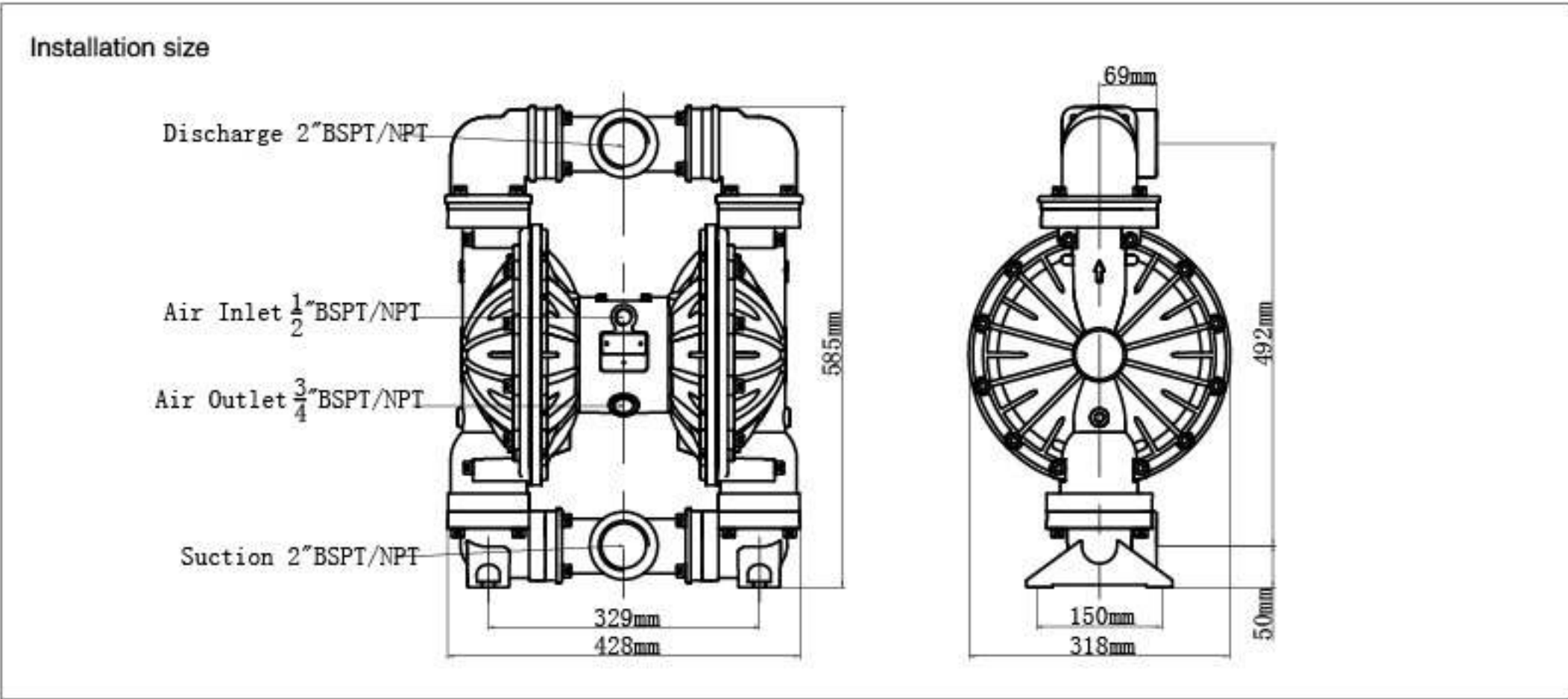


Performance curve



Technical parameters		
Suction lift[mwc]	dry	5
	wet	8
Max particle diameter[mm]	6	
Suction and discharge size[in]	2	
Air inlet size[in]	1/2	
Max flow[l/min]	587	
Max head[m]	84	
Max air inlet pressure[bar]	8.4	

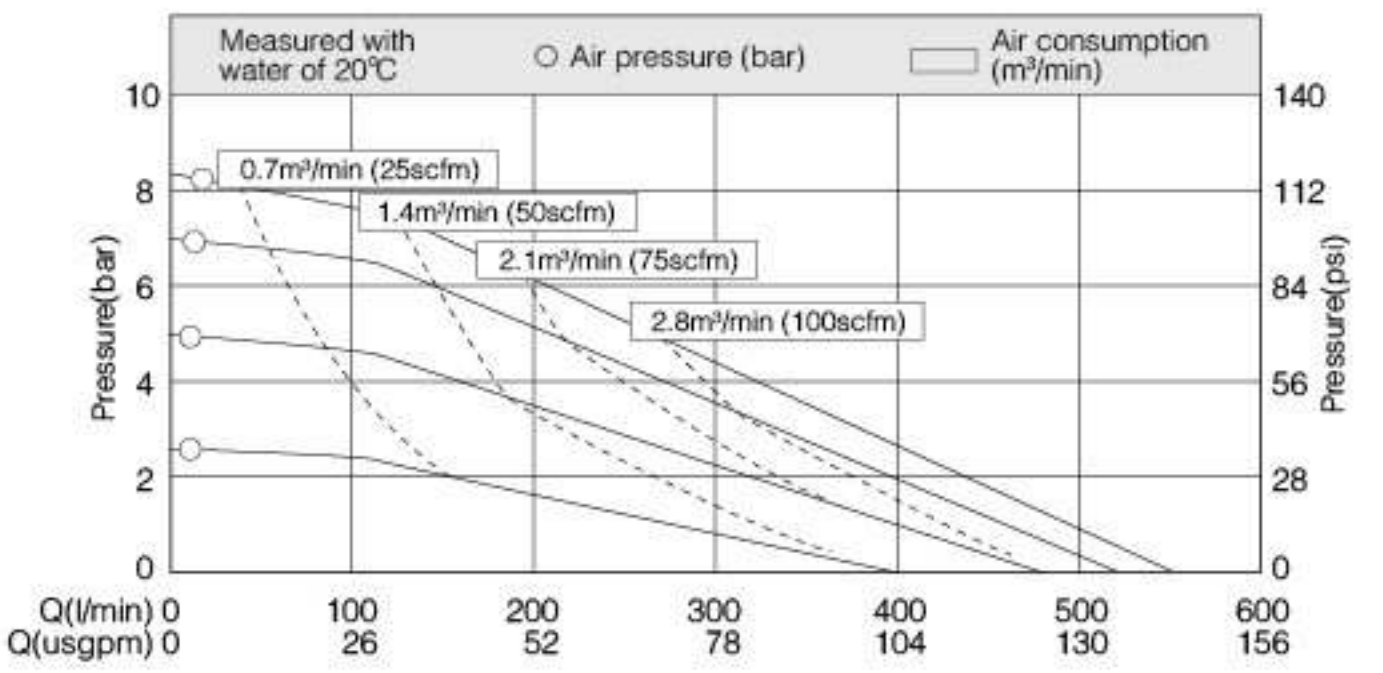
material quality	
Pumpbody: Aluminum, Cast iron	
Diaphragm: Santoprene, Hytrel, Teflon, Viton, EPDM, Buna-N	
Valve ball: Santoprene, Hytrel, Teflon, Viton, Stainless steel, Ceramic	
Valve seat: Santoprene, Hytrel, Teflon, Viton, Stainless steel	
Center block: PP, Aluminum, Stainless steel	
Weight	
Aluminum pump: 27 Kgs	
Cast iron pump: 78 Kgs	



MK50 Plastic pump

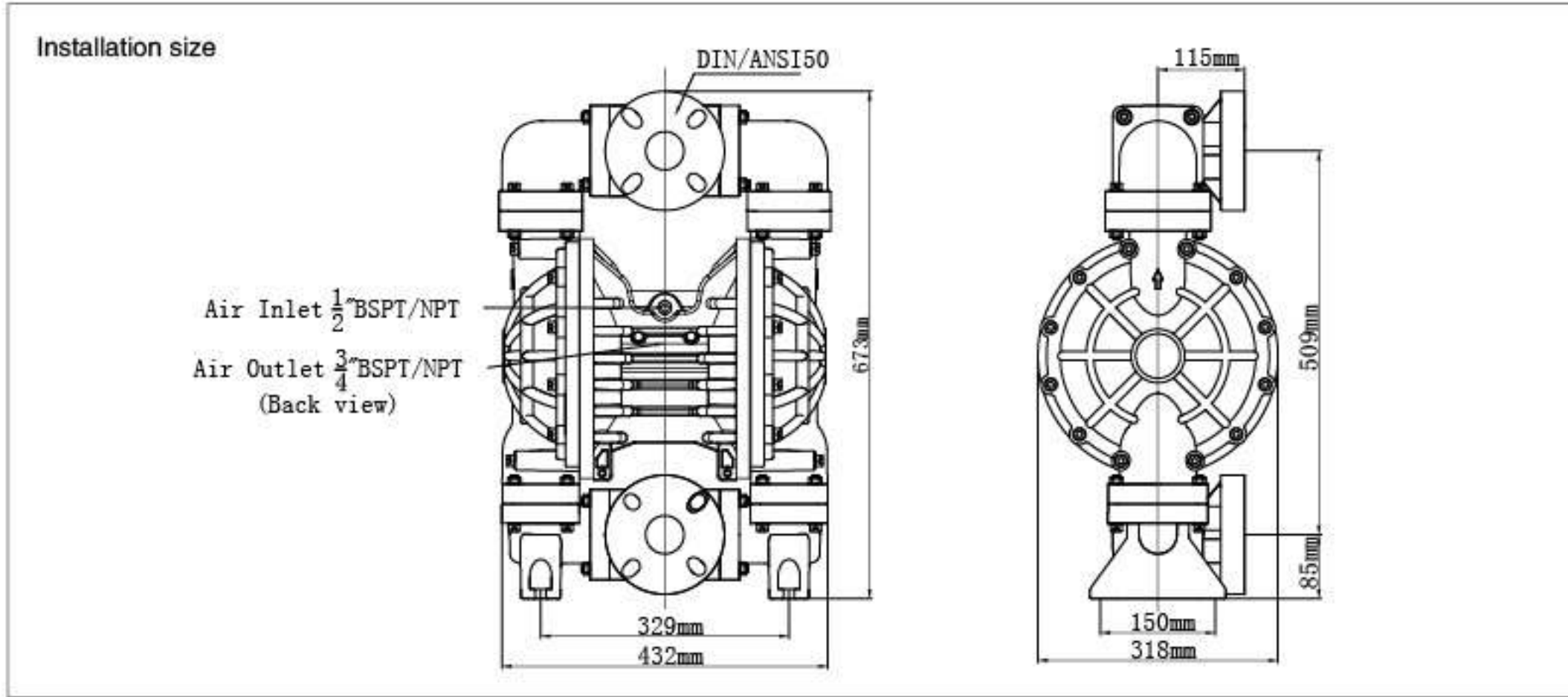


Performance curve

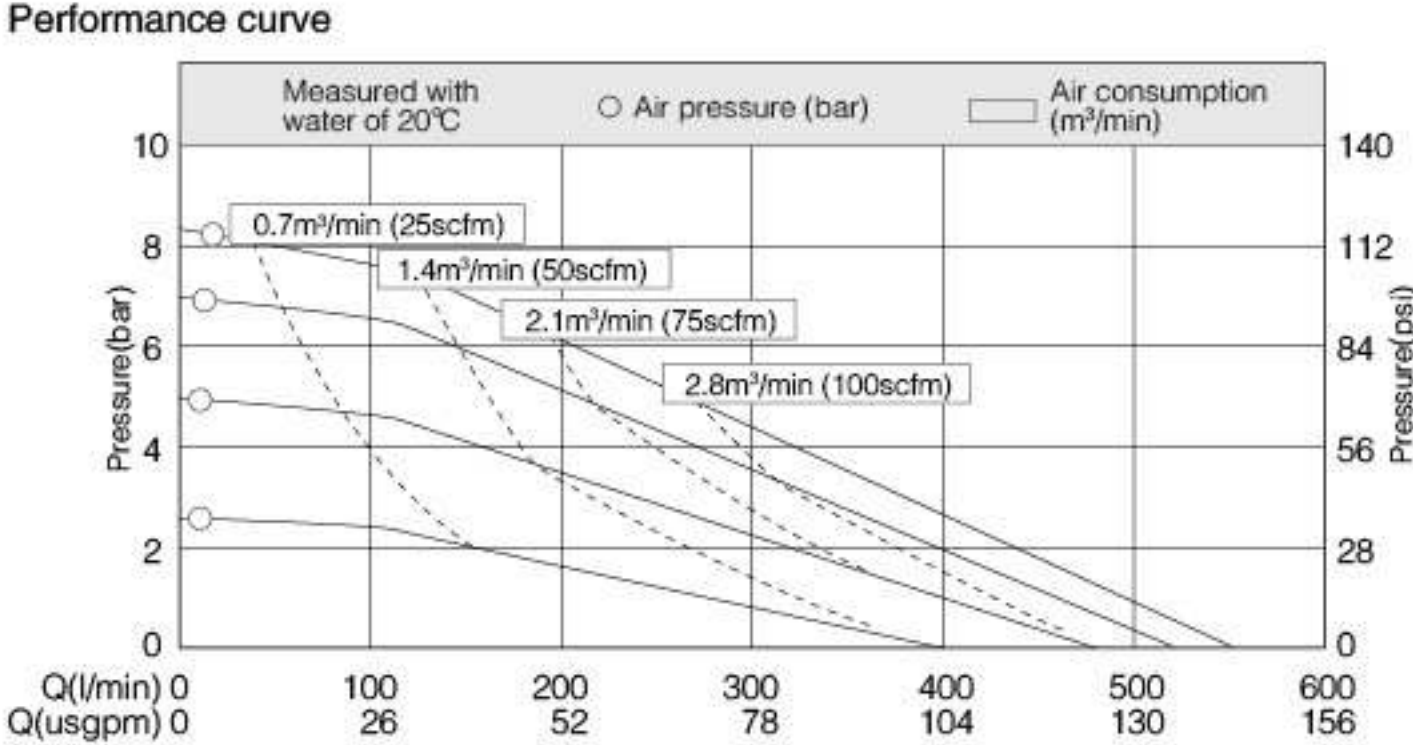


Technical parameters		
Suction lift[mwc]	dry	5
	wet	8
Max particle diameter[mm]	6	
Suction and discharge size[in]	2	
Air inlet size[in]	1/2	
Max flow[l/min]	587	
Max head[m]	84	
Max air inlet pressure[bar]	8.4	

material quality	
Pumpbody: PP, PVDF	
Diaphragm: Santoprene, Hytrel, Teflon, Viton, EPDM, Buna-N	
Valve ball: Teflon, Stainless steel, Santoprene, Hytrel, Viton, Ceramic	
Valve seat: Teflon, Santoprene, Hytrel, Viton, PP	
Center block: PP, Aluminum, Stainless steel	
Weight	
PP pump: 25 Kgs	
PVDF pump: 34 Kgs	

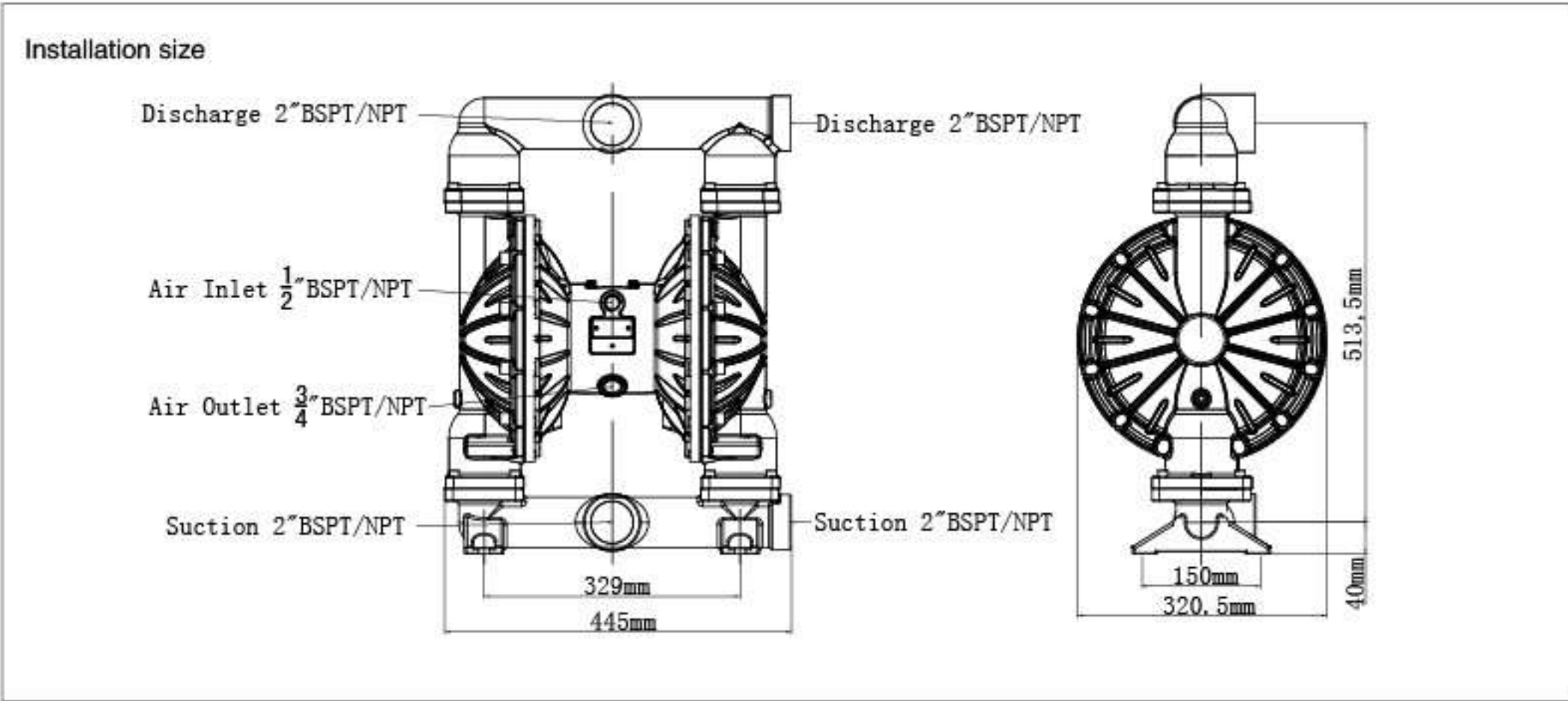


MK50 Stainless steel pump

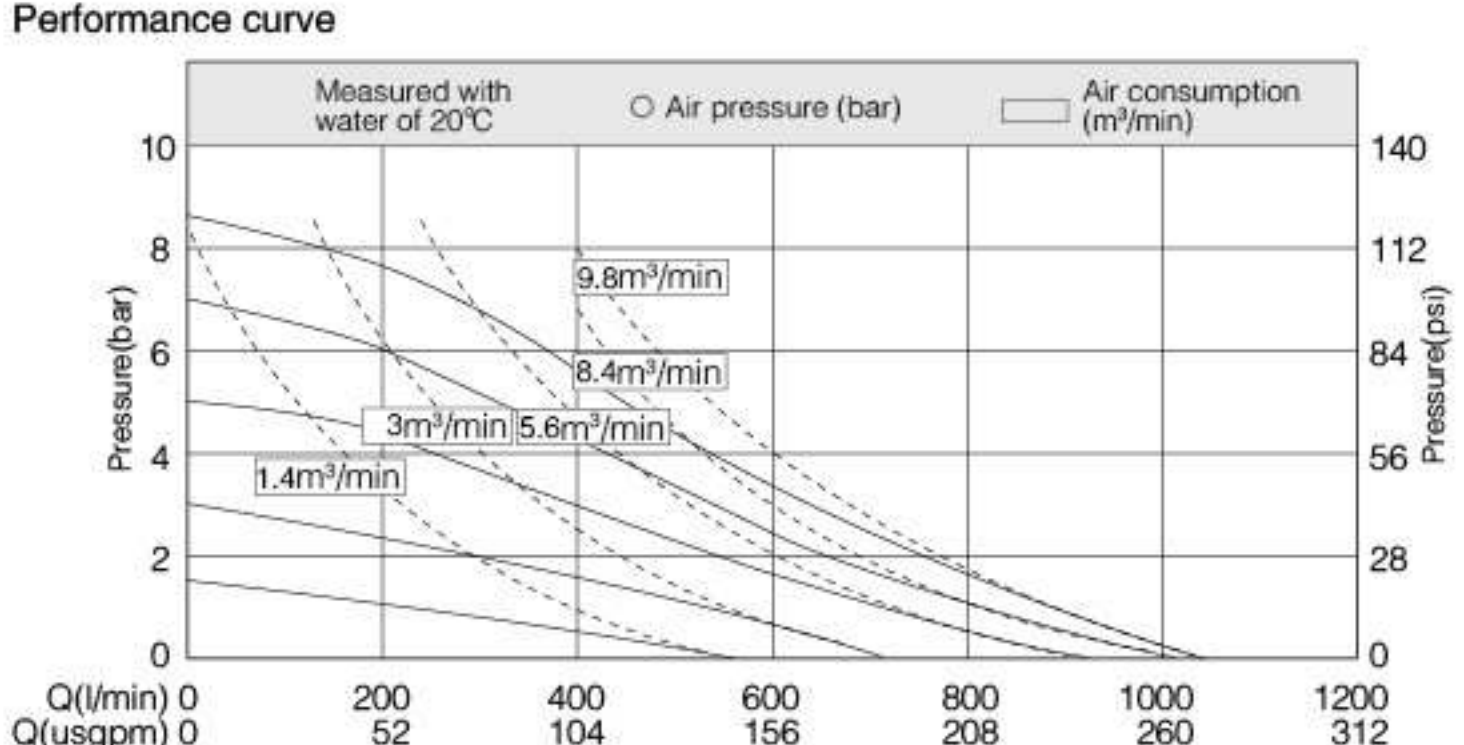


Technical parameters		
Suction lift[mwc]	dry	5
	wet	8
Max particle diameter[mm]	6	
Suction and discharge size[in]	2	
Air inlet size[in]	1/2	
Max flow[l/min]	587	
Max head[m]	84	
Max air inlet pressure[bar]	8.4	

material quality	
Pumpbody: SS304, SS316, SS316L	
Diaphragm: Santoprene, Hytrel, Teflon, Viton, EPDM, Buna-N	
Valve ball: Santoprene, Hytrel, Teflon, Viton, Stainless steel, Ceramic	
Valve seat: Santoprene, Hytrel, Teflon, Viton, Stainless steel	
Center block: PP, Aluminum, Stainless steel	
Weight	
SS304 Pump: 48 Kgs	
SS316 pump: 48 Kgs	

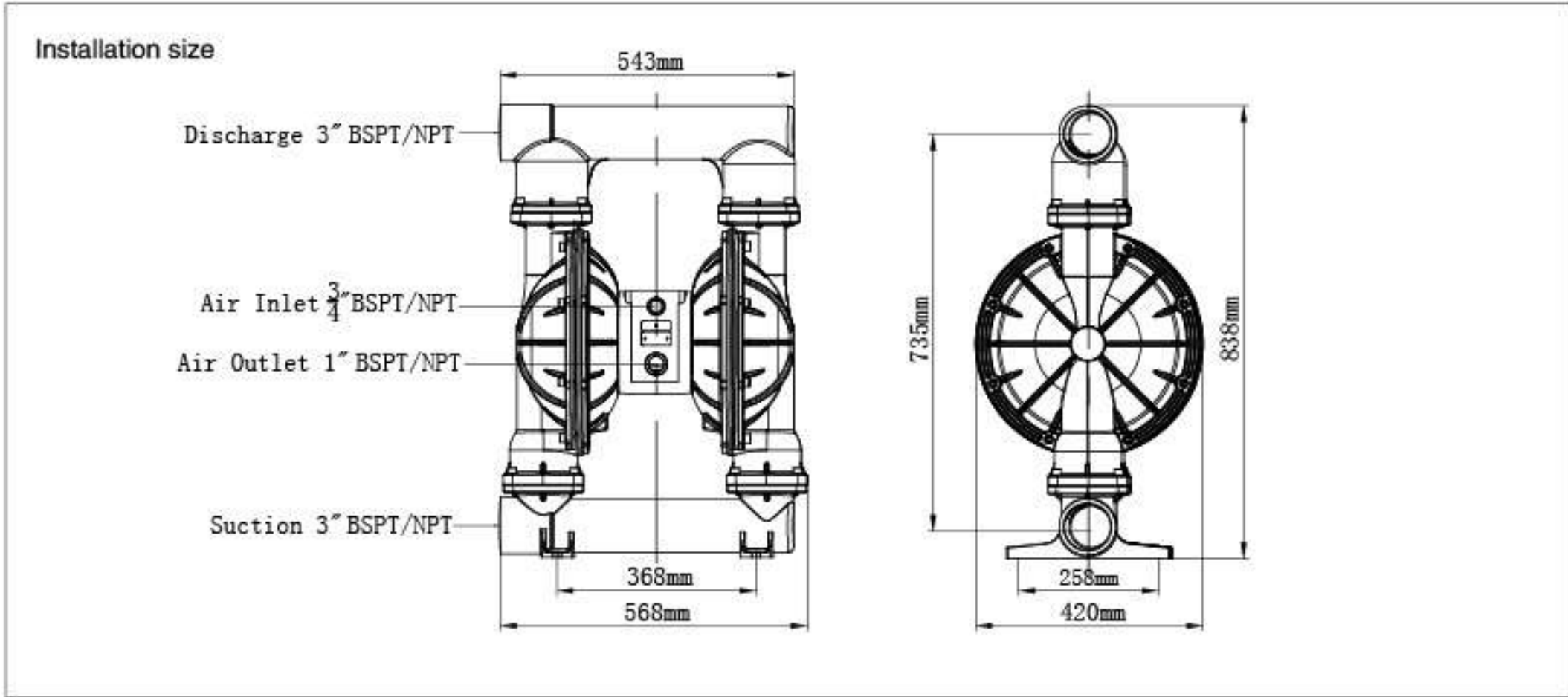


MK80 Aluminum pump



Technical parameters		
Suction lift[mwc]	dry	5
	wet	8
Max particle diameter[mm]	9.4	
Suction and discharge size[in]	3	
Air inlet size[in]	3/4	
Max flow[l/min]	1060	
Max head[m]	84	
Max air inlet pressure[bar]	8.4	

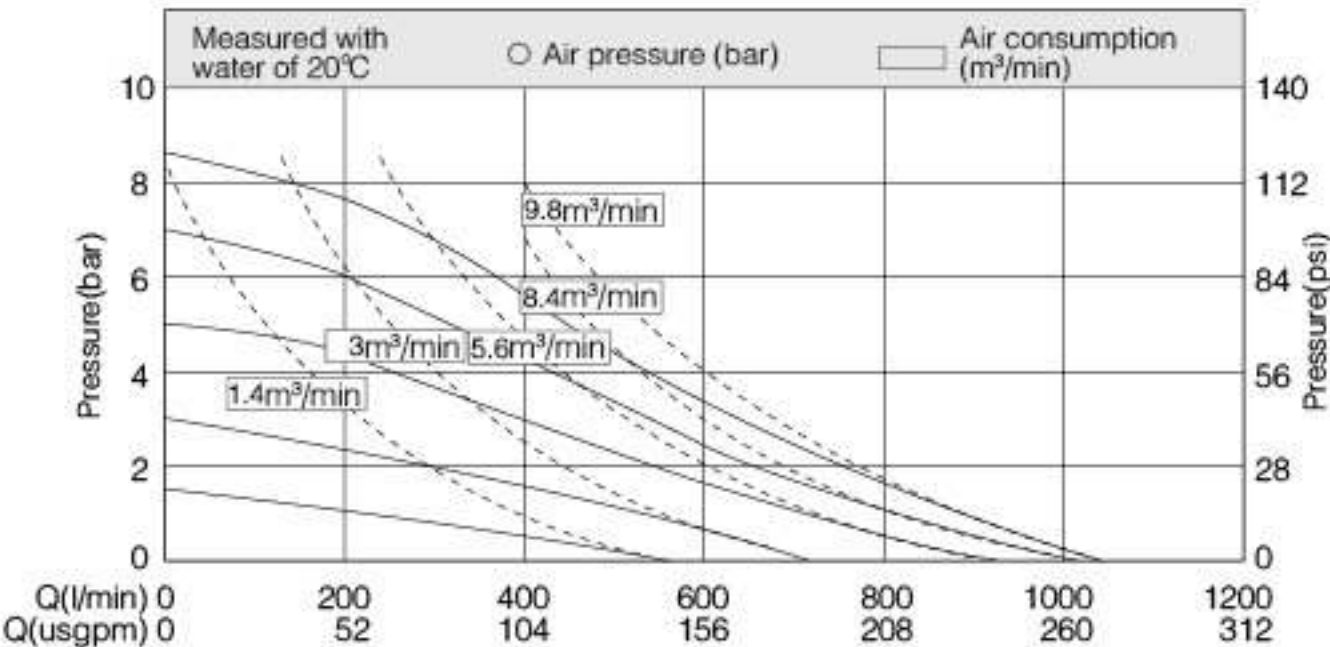
material quality	
Pumpbody: Aluminum	
Diaphragm: Santoprene, Hytrel, Teflon, Viton, EPDM, Buna-N	
Valve ball: Santoprene, Hytrel, Teflon, Viton, Stainless steel, Ceramic	
Valve seat: Santoprene, Hytrel, Teflon, Viton, Stainless steel	
Center block: PP, Aluminum, Stainless steel	
Weight	
Aluminum pump: 50 Kgs	



MK80 Plastic pump

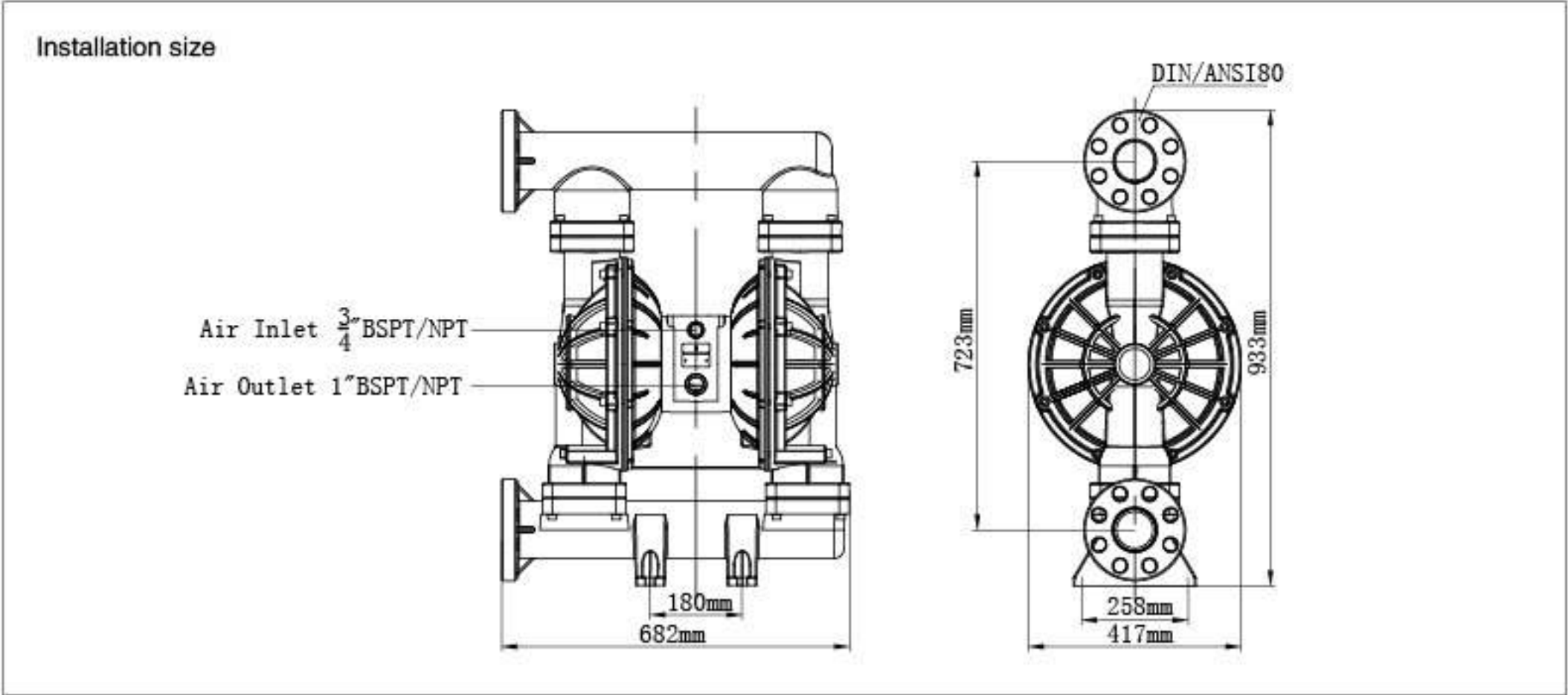


Performance curve



Technical parameters		
Suction lift[mwc]	dry	5
	wet	8
Max particle diameter[mm]	9.4	
Suction and discharge size[in]	3	
Air inlet size[in]	3/4	
Max flow[l/min]	1060	
Max head[m]	84	
Max air inlet pressure[bar]	8.4	

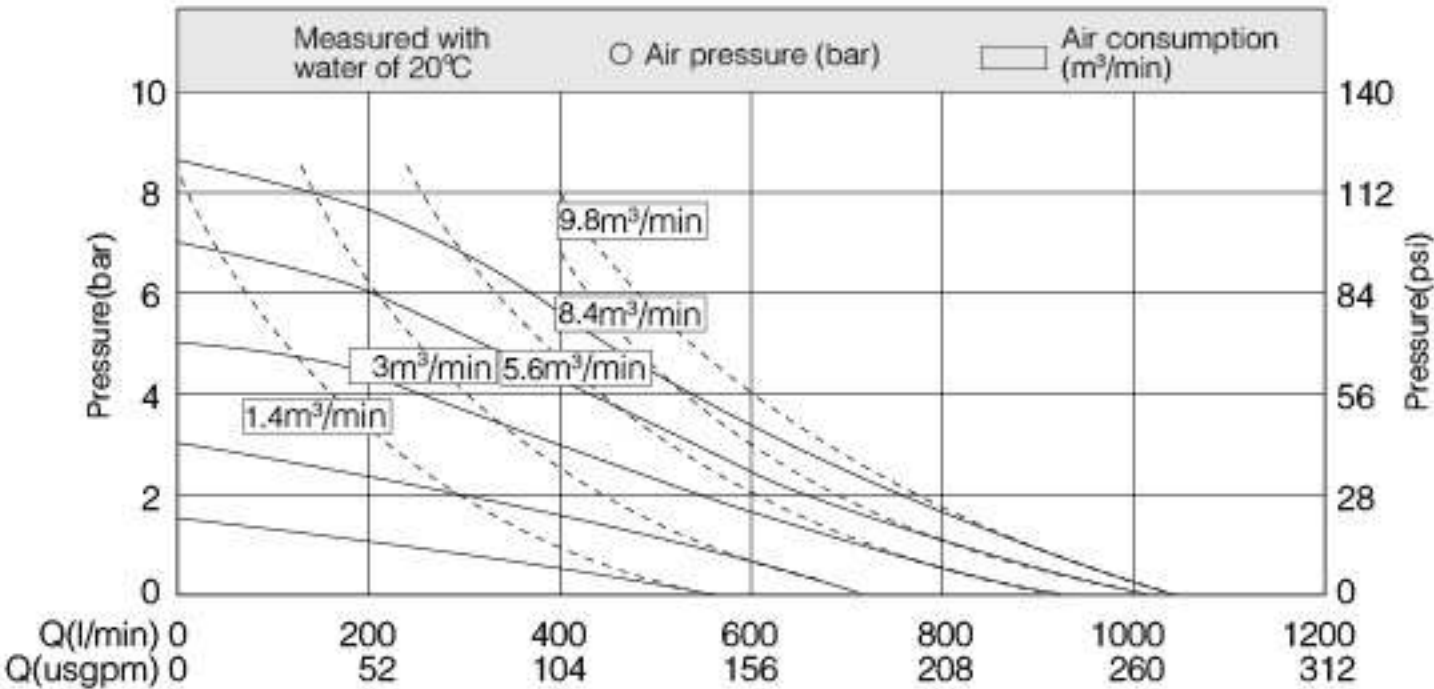
material quality	
Pumpbody: PP, PVDF	
Diaphragm: Santoprene, Hytrel, Teflon, Viton, EPDM, Buna-N	
Valve ball: Teflon, Stainless steel, Santoprene, Hytrel, Viton, Ceramic	
Valve seat: Teflon, Santoprene, Hytrel, Viton, PP	
Center block: PP, Aluminum, Stainless steel	
Weight	
PP pump: 50 Kgs	
PVDF pump: 90 Kgs	



MK80 Stainless steel pump



Performance curve



Technical parameters		
Suction lift[mwc]	dry	5
	wet	8
Max particle diameter[mm]	9.4	
Suction and discharge size[in]	3	
Air inlet size[in]	3/4	
Max flow[l/min]	1060	
Max head[m]	84	
Max air inlet pressure[bar]	8.4	

material quality	
Pumpbody: SS304, SS316, SS316L	
Diaphragm: Santoprene, Hytrel, Teflon, Viton, EPDM, Buna-N	
Valve ball: Santoprene, Hytrel, Teflon, Viton, Stainless steel, Ceramic	
Valve seat: Santoprene, Hytrel, Teflon, Viton, Stainless steel	
Center block: PP, Aluminum, Stainless steel	
Weight	
SS304 Pump: 120 Kgs	
SS316 pump: 120 Kgs	

