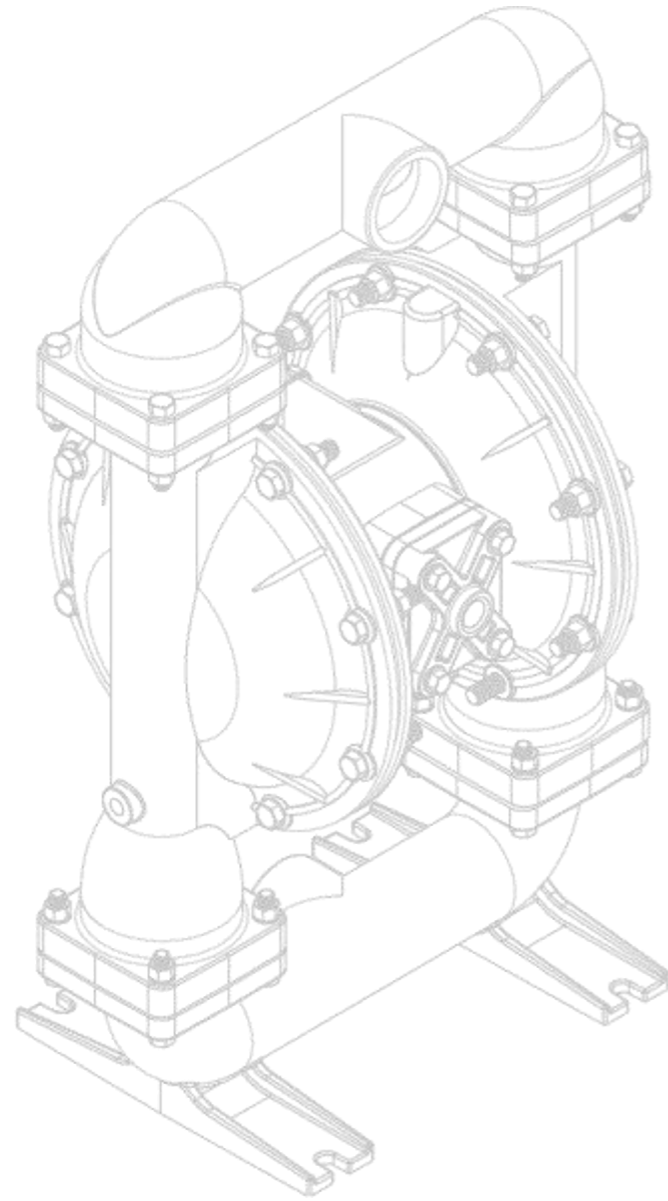




# HP SERIES AODD PUMP

## High-purity Bellows Pump



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陕西和诺电子科技有限公司

Shaanxi Hono Electronic Technology Co., Ltd



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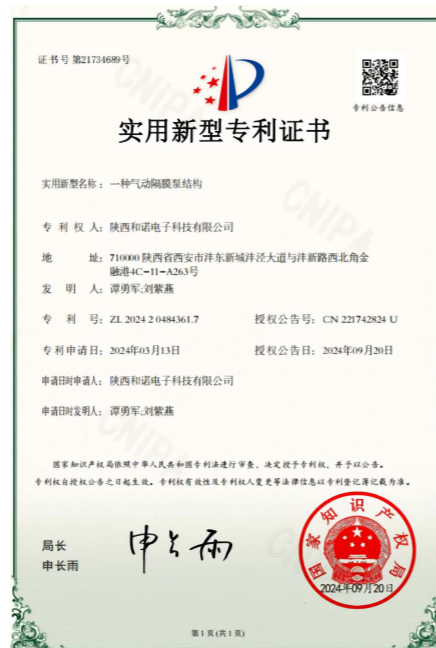


### 公司简介

陕西和诺电子科技有限公司是一家专业从事流体机械设备集成、安装、销售于一体的企业。公司主营产品有：自动油脂定量加注系统；成套加药装置；加药计量泵；磁力泵；气动隔膜泵；软管泵；各类辅件（背压阀、阻尼器，过滤器、安全阀、压力表）等。公司本着诚信服务、技术领先、质量保证、信誉至上的原则，和广大客户建立起了长期友好的合作关系。公司销售的产品广泛应用于汽车制造、电子半导体、光伏、环保、水处理、石油、化工、电厂、制药、造纸、水泥、食品、实验室等领域。公司所涉及的产品均为世界知名品牌，为生产的稳定、效率的提高、成本的降低奠定了基础。公司依托年轻的团队在发展过程中不断创新，迎合市场的变化，满足客户的需求。

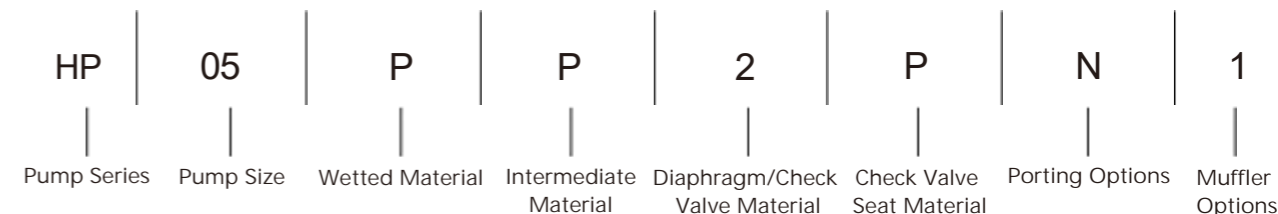
### Company Profile

Shaanxi Hono Electronic Technology Co.,Ltd. is a professional enterprise integrating integration, installation and sales of fluid mechanical equipment. Our main products include: automatic grease quantitative filling systems; complete sets of dosing devices; dosing metering pumps; magnetic pumps; pneumatic diaphragm pumps; hose pumps; various accessories (back pressure valves, dampers, filters, safety valves, pressure gauges), etc. Adhering to the principles of honest service, leading technology, quality assurance and credibility first, the company has established long-term and friendly cooperative relations with numerous customers. The products sold by the company are widely used in automotive manufacturing, electronic semiconductors, photovoltaics, environmental protection, petroleum, chemical industry, power plants, pharmaceuticals, papermaking, cement, food, laboratories and other fields. All products involved in the company are world-renowned brands, laying a solid foundation for stable production, improved efficiency and reduced costs. Relying on a young team, the company continues to innovate in the process of development, cater to market changes and meet customer needs.



## Advantages of HP Series Pump

## Explanation of Pump Nomenclature



### Pump Series

HP Series

### Pump Size

05	1/4"
10	1/2"
20	3/4"
25	1"
25F	1"
40	1 1/2"
50	2"
80	3"

### Wetted Material

A	Aluminum
I	Cast Iron
S	Stainless Steel
H	H Alloy C
P	Polypropylene
V	PVDF

### Intermediate Material

A	Aluminum
I	Cast Iron
S	Stainless Steel
P	Polypropylene

### Diaphragm/Check Valve Material

1	Santoprene/Santoprene
2	PTFE- Santoprene/ PTFE
B	Nitrile/Nitrile
C	FKM/PTFE
I	EPDM/EPDM
G	PTFE-Neoprene/PTFE
H	Hytrel/Hytrel
N	Neoprene/ Neoprene

### Check Valve Seat Material

A	Aluminum
B	Nitrile
E	EPDM
K	PVDF
N	Neoprene
P	PP
S	Stainless Steel
T	PTFE
W	UHMW
V	FKM

### Porting Options

N	NPT Threads
B	BSP (Tapered) Threads
R	Raised Face 150# Treaded ANSI Flange

### Muffler Options

0	None
1	Plastic Muffler
2	Metal Muffler

### Nameplate

01 The full bolt structure enables quick installation and removal.

02 Dynamic Manifold Connections 90° -180° rotation options.

03 No fear of pipe blockage, no need of pipe protection.

04 HP50 & HP80 are the leader in max flow.

05 Air valve install outside on the pump, without oil lubrication operation.

06 Reducing the load on your compressed air system and lowering operating costs.

07 Serviceability, at least 28 minutes less maintenance time than competitors.

08 5 year limited product warranty for defects in material or workmanship.



## AODD Pump Selection

Configuration Feature		Metallic Pump	Non-Metallic Pump	
Specifications	Suction/Discharge Port Size	½" through 3"	½" through 3"	
	Max Flow Rate Per Minute	285 Gal.(1079 L)	280 Gal.(1060 L)	
	Max Discharge Head	289'(88m) of water @125psi	231'(70m) of water @100psi	
	Max Displacement Per Stroke	0.94 Gal. (3.56 L)	0.9 Gal. (3.41 L)	
	Max Dry Prime	20'(6m)	20'(6m)	
	Max Solids Handling	.38"(10mm)	.71"(18mm)	
Fluid Characteristics	Water	+	+	
	Suspended Solids	+	✓	
	Non-Suspended Solids	!	✗	
	Line Size Solids	✗	✗	
	Sludge /Slurry	✓	!	
	High Viscosity (Flowable Fluids)	✓	✓	
	Erosion/Abrasive Fluids	High	✓	!
		Moderate	✓	!
Low		+	✓	
Corrosion	✓	+		
Installation	Permanent	✓	✓	
	Portable	+	+	
	Containment/Prevention	!	!	
	Flooded Suction	✓	✓	
	Suction Lift	✓	✓	
	Submerged	✓	!	
Duty	Intermittent/On-Demand	+	✓	
	Continuous	✓	+	

+ Best Type    
 ✓ Suitable    
 ! Limitations    
 ✗ Not Recommended



## Diaphragm Selection

Choose the most suitable diaphragm for your application and get the longest service life out of your pump.



Material	Material Profile	Operating Temp		Level 1~5 (Level 5 is the best)		
		Max	Min	Chem ical Res istance	Wear Res istance	Flexibility
Nitrile	General purpose, oil-resistant. Shows good solvent, oil, water and hydraulic fluid resistance. Should not be used with highly polar solvents like acetone and MEK, ozone, chlorinated hydrocarbons and nitro hydrocarbons.	190° F 88° C	-10° F -23° C	1	2	3
EPDM	Shows very good water and chemical resistance. Has poor resistance to oils and solvents, but is fair in ketones and alcohols.	280° F 138° C	-40° F -40° C	4	4	4
FKM	(Fluorocarbon) Shows good resistance to a wide range of oils and solvents; especially all aliphatic, aromatic and halogenated hydrocarbons, acids, animal and vegetable oils. Hot water or hot aqueous solutions (over 70°F(21°C)) will attack FKM.	350° F 177° C	-40° F -40° C	4	2	1
Hytrel	Good on acids, bases, amines and glycols at room temperatures only.	220° F 104° C	-20° F -29° C	4	5	3
Neoprene	All purpose. Resistance to vegetable oils. Generally not affected by moderate chemicals, fats, greases and many oils and solvents. Generally attacked by strong oxidizing acids, ketones, esters and nitro hydrocarbons and chlorinated aromatic hydrocarbons.	200° F 93° C	-10° F -23° C	1	3	3
Nylon	6/6 High strength and toughness over a wide temperature range. Moderate to good resistance to fuels, oils and chemicals.	180° F 82° C	32° F 0° C	5	2	--
Santoprene	Injection molded thermoplastic elastomer with no fabric layer. Long mechanical flex life. Excellent abrasion resistance.	275° F 135° C	-40° F -40° C	4	5	5
Polyurethane	Shows good resistance to abrasives. Has poor resistance to most solvents and oils.	150° F 66° C	32° F 0° C	1	3	4
PTFE	(PFA/TFE) Chemically inert, virtually impervious. Very few chemicals are known to chemically react with PTFE; molten alkali metals, turbulent liquid or gaseous fluorine and a few fluoro-chemicals such as chlorine trifluoride or oxygen difluoride which readily liberate free fluorine at	220° F 104° C	-35° F -37° C	5	2	--
PVDF	(Polyvinylidene Fluoride) A durable fluoroplastic with excellent chemical resistance. Excellent for UV applications. High tensile strength and impact	250° F 121° C	0° F -18° C	5	2	--



# Metallic Pump Performance & Specification

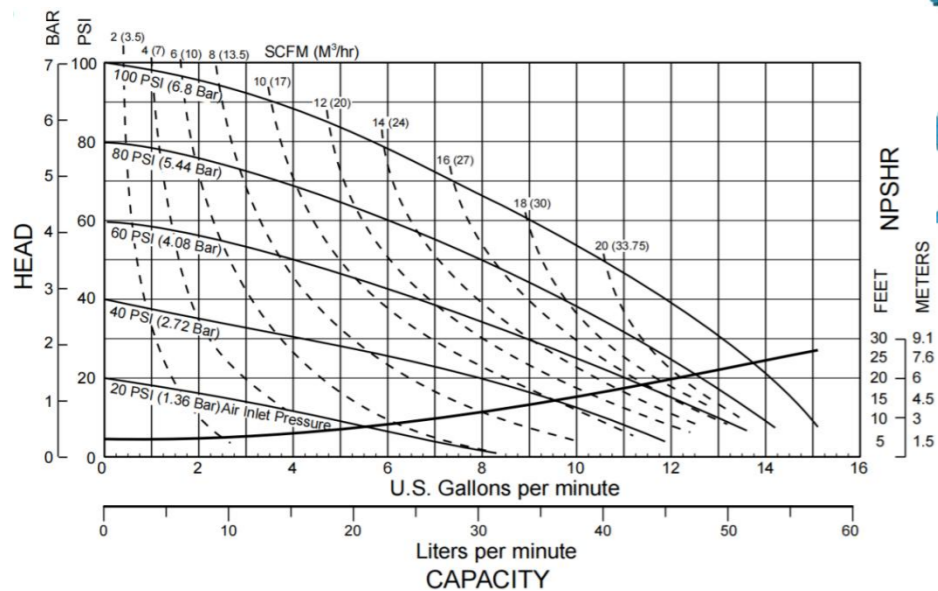
## 1/2" HP 10 PERFORMANCE

**Max Flow**  
15 GPM (57LPM)

**porting**  
NPT/BSP  
ANSI

**Air End**  
Aluminum

**wet End**  
Aluminum  
Stainless Steel



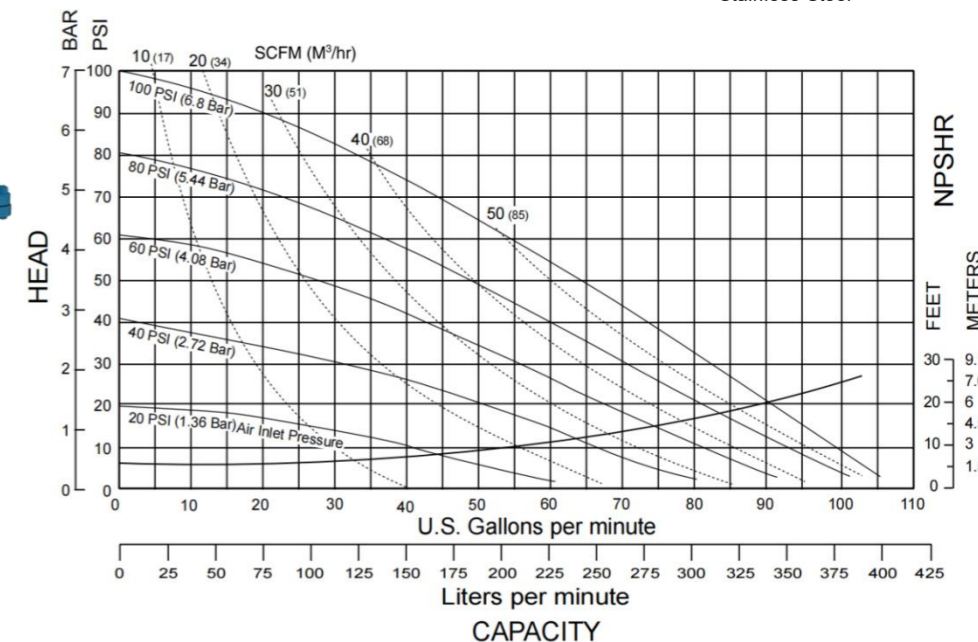
## 1 1/2" HP 40 PERFORMANCE

**Max Flow**  
106 GPM (401LPM)

**porting**  
NPT/BSP  
ANSI

**Air End**  
Aluminum

**wet End**  
Aluminum  
Stainless Steel



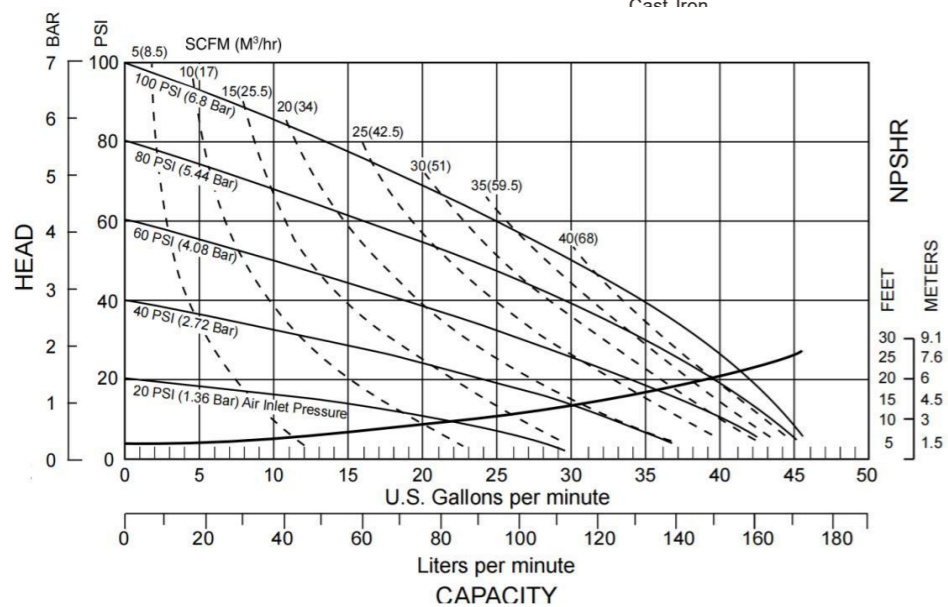
## 1" HP 25 PERFORMANCE

**Max Flow**  
45 GPM (170LPM)

**porting**  
NPT/BSP  
ANSI

**Air End**  
Aluminum

**wet End**  
Aluminum  
Stainless Steel  
Cast Iron



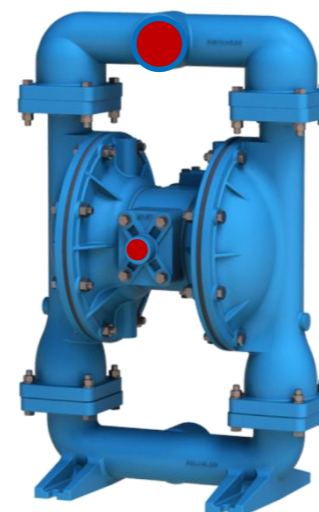
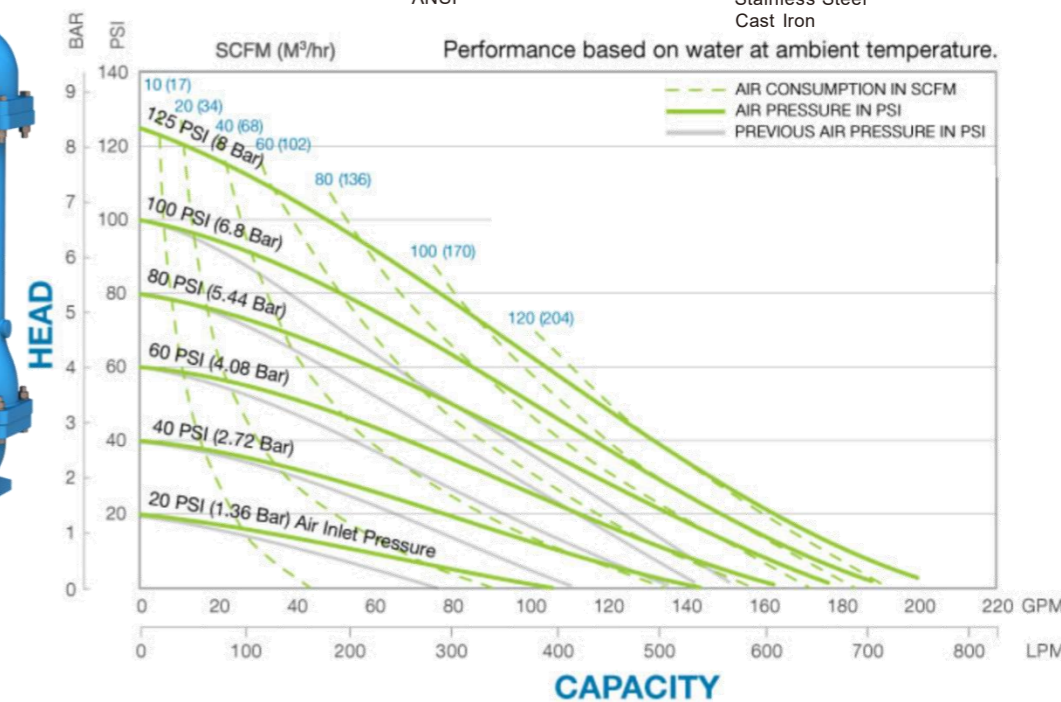
## 2" HP 50 PERFORMANCE

**Max Flow**  
198 GPM (750LPM)

**porting**  
NPT/BSP  
ANSI

**Air End**  
Aluminum

**wet End**  
Aluminum  
Stainless Steel  
Cast Iron





3"  
75mm

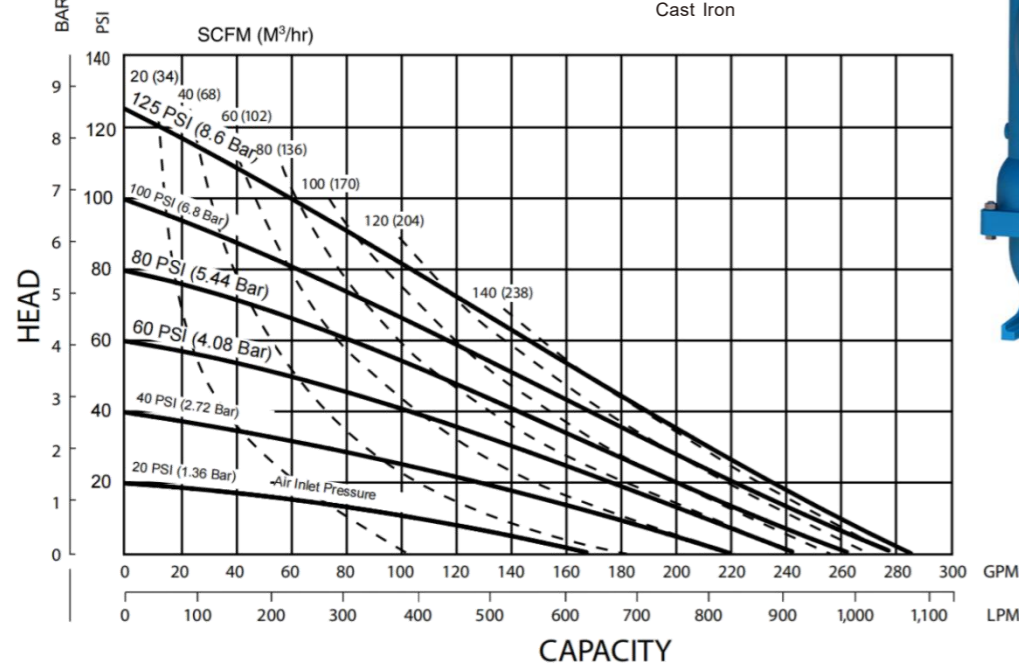
### HP 80 PERFORMANCE

**Max Flow**  
285 GPM (1078LPM)

**porting**  
NPT/BSP  
ANSI

**Air End**  
Aluminum

**wet End**  
Aluminum  
Stainless Steel  
Cast Iron



### Non-Metallic Pump Performance & Specification

1/4"  
6mm

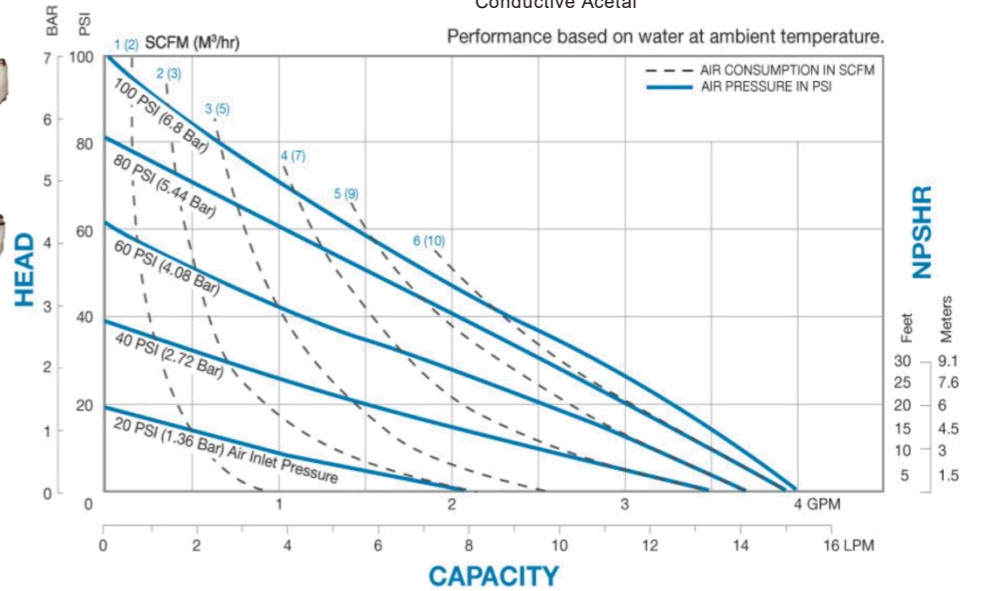
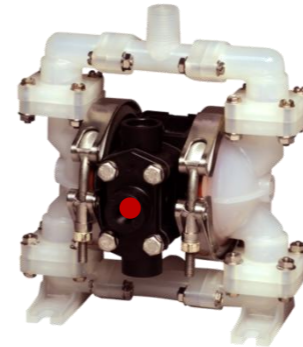
### HP 05 PERFORMANCE

**Max Flow**  
4 GPM (15LPM)

**porting**  
NPT

**Air End**  
Polypropylene  
Conductive Acetal

**wet End**  
Polypropylene  
PVDF  
Conductive Acetal



### Metallic Specification

Pump Models	A	B	C	D		E	Connection Style	Pipe Size inch (mm)	Displacement Per Stroke gal(liter)	Max Flow Per Minute gal(liter)	Max Solids Handling inch (mm)	Max Discharge Pressure psi (bar)
	Height	Width	Depth	Bottom of Base to Center Line of: Suction	Discharge							
	inch (mm)	inch (mm)	inch (mm)	inch (mm)	inch (mm)							
HP 05 AL	11.5(292)	10.25(260)	7.44(179)	1.94(33)	11.5(292)	1/2" NPT/BSP	.5(12)	.026(.098)	15(57)	.13(3)	125(8.6)	
HP 05 SS	10.38(264)	10.25(260)	7.44(179)	1.31(33)	9.72(247)	1/2" NPT/BSP	.5(12)	.026(.098)	15(57)	.13(3)	125(8.6)	
HP 1FAL/C	12.72(323)	10.25(260)	10.38(264)	1.09(28)	11.84(301)	1" NPT/BSP	1(25)	.11(.42)	45(170)	.25(6)	125(8.6)	
HP 1FSS	12.84(326)	10.25(260)	10.38(264)	1.22(31)	11.97(304)	1" NPT/BSP	1(25)	.11(.42)	45(170)	.25(6)	125(8.6)	
HP 15AL/C	21.58(548)	16.66(423)	12.36(314)	1.91(49)	20.31(516)	1 1/2" NPT/BSP	1.5(38)	.41(1.55)	106(401)	.25(6)	125(8.6)	
HP 15SS	21.66(550)	16.66(423)	12.36(314)	1.97(50)	20.38(518)	1 1/2" NPT/BSP	1.5(38)	.41(1.55)	106(401)	.25(6)	125(8.6)	
HP 20AL/C	26.31(669)	16.88(428)	12.59(320)	1.88(48)	24.63(625)	2" NPT/BSP	2(50)	.42(1.59)	200(758)	.25(6)	125(8.6)	
HP 20SS	26.31(669)	16.88(428)	12.59(320)	2(50)	24.75(629)	2" NPT/BSP	2(50)	.42(1.59)	200(758)	.25(6)	125(8.6)	
HP 30AL/C	32.06(814)	19.66(499)	15.75(400)	2.34(60)	29.97(761)	3" NPT/BSP	3(75)	.94(3.56)	285(1,078)	.38(9.5)	125(8.6)	
HP 30SS	32.28(820)	19.66(499)	15.75(400)	2.28(65)	30.19(767)	3" NPT/BSP	3(75)	.94(3.56)	285(1,078)	.38(9.5)	125(8.6)	

Dimensional Tolerance: ±1/8" (± 3mm) • See service manual for complete specifications.

1/2"  
12mm

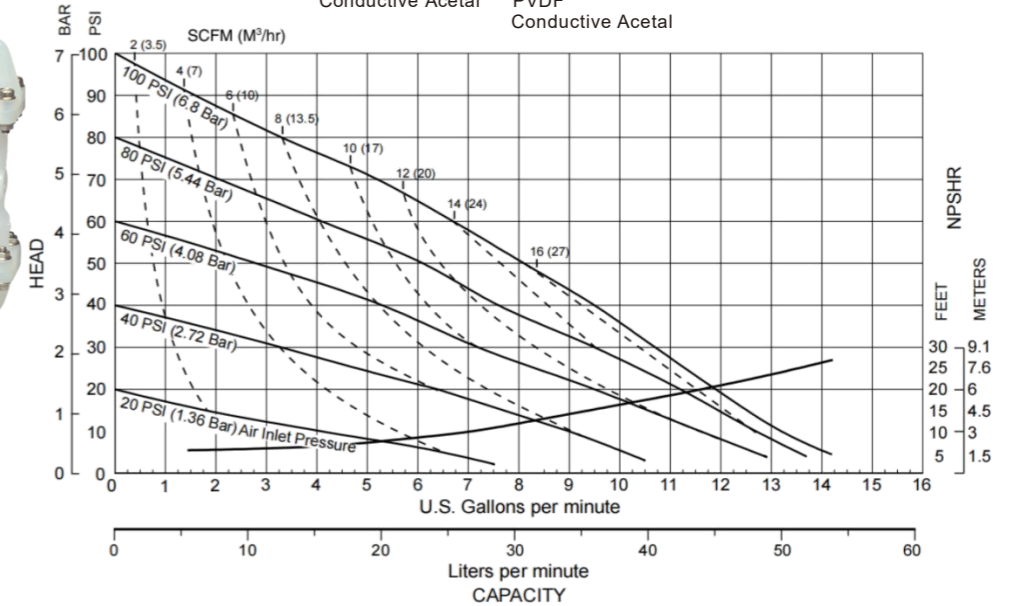
### HP 10 PERFORMANCE

**Max Flow**  
14 GPM (52LPM)

**porting**  
NPT/BSP

**Air End**  
Polypropylene  
Conductive Acetal

**wet End**  
Polypropylene  
PVDF  
Conductive Acetal





3/4"  
19mm

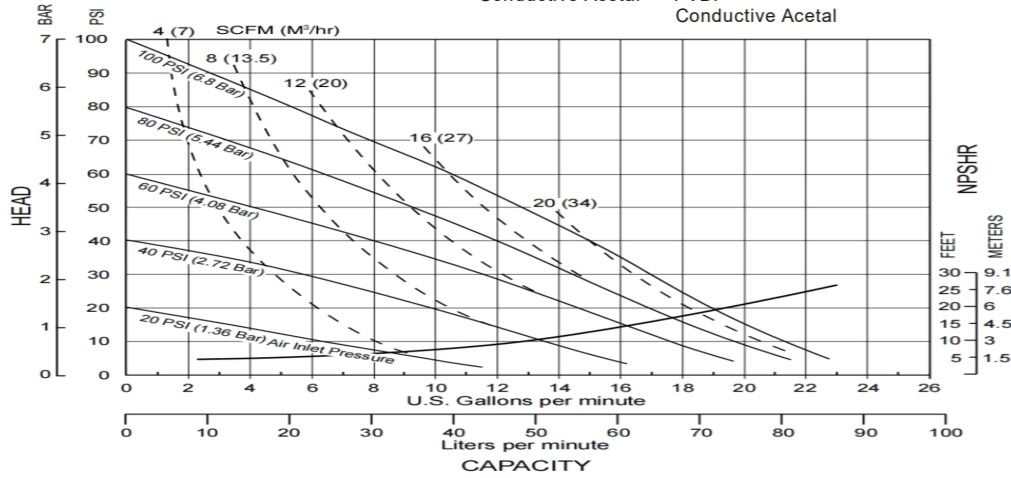
### HP 20 PERFORMANCE

**Max Flow**  
23 GPM (87LPM)

**porting**  
NPT/BSP

**Air End**  
Polypropylene  
Conductive Acetal

**wet End**  
Polypropylene  
PVDF  
Conductive Acetal



1 1/2"  
38mm

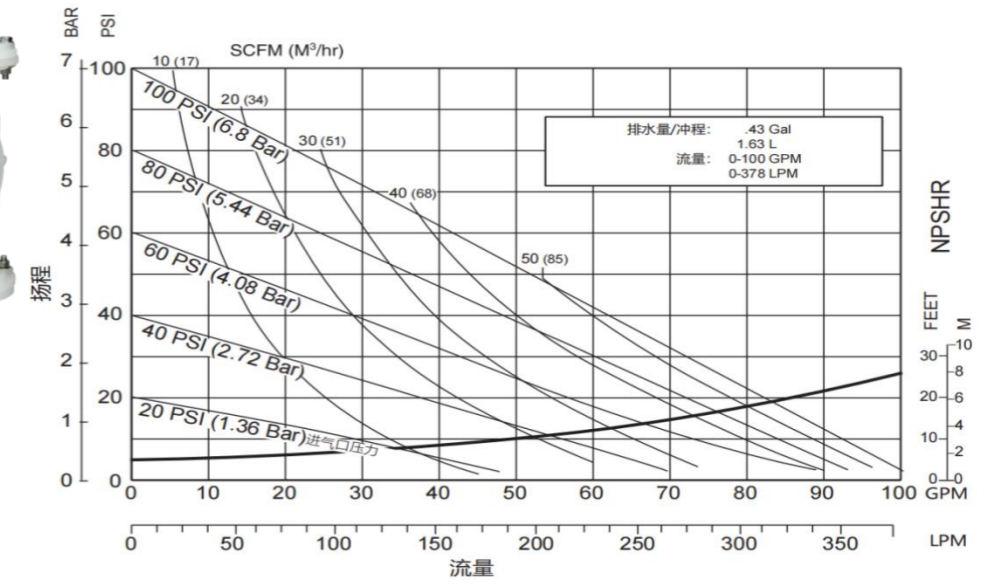
### HP 40 PERFORMANCE

**Max Flow**  
100 GPM (378LPM)

**porting**  
ANSI  
DIN

**Air End**  
Polypropylene  
Conductive Acetal

**wet End**  
Polypropylene  
PVDF  
Conductive Acetal



1"  
25mm

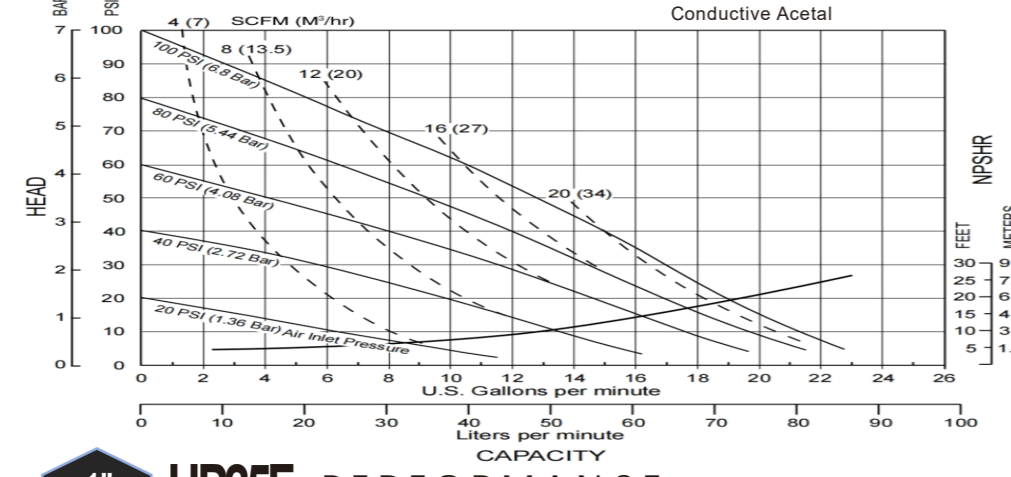
### HP 25 PERFORMANCE

**Max Flow**  
23 GPM (87LPM)

**porting**  
ANSI

**Air End**  
Polypropylene  
Conductive Acetal

**wet End**  
Polypropylene  
PVDF  
Conductive Acetal



2"  
50mm

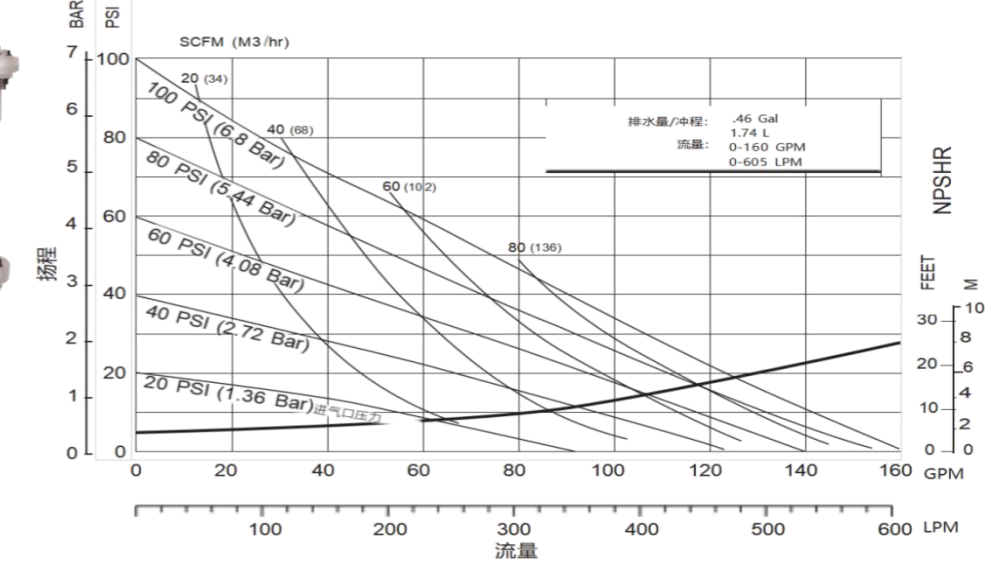
### HP 50 PERFORMANCE

**Max Flow**  
160 GPM (605LPM)

**porting**  
Universal

**Air End**  
Polypropylene  
Conductive Acetal

**wet End**  
Polypropylene  
PVDF  
Conductive Acetal



1"  
25mm

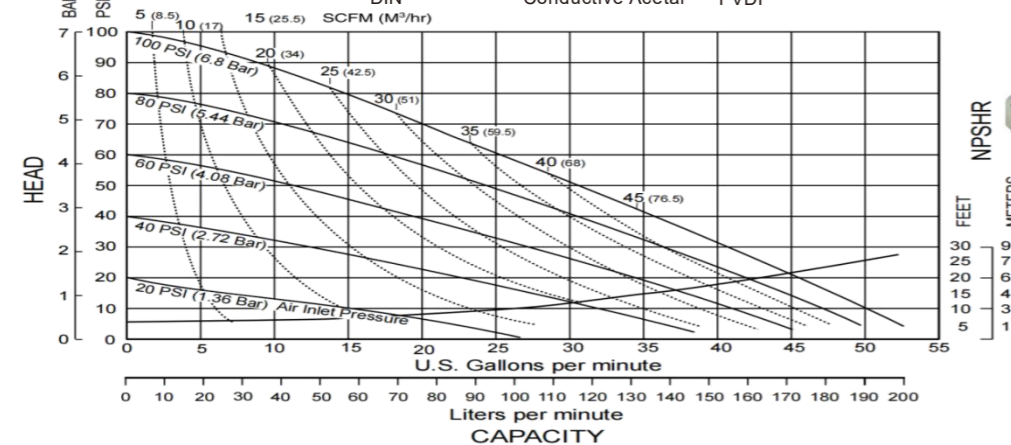
### HP25F PERFORMANCE

**Max Flow**  
53 GPM (200LPM)

**porting**  
ANSI  
DIN

**Air End**  
Polypropylene  
Conductive Acetal

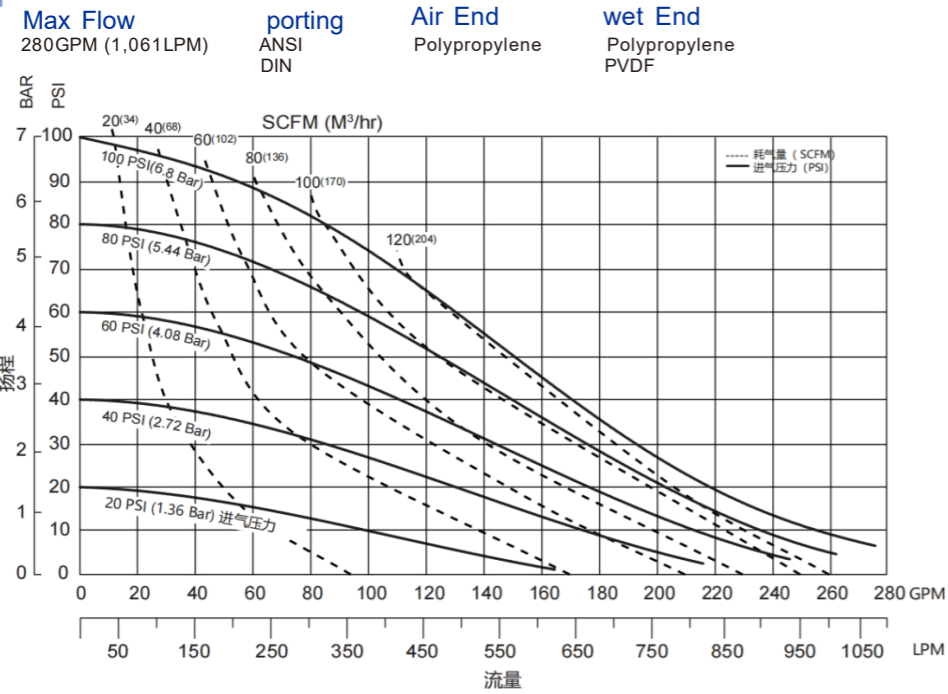
**wet End**  
Polypropylene  
PVDF



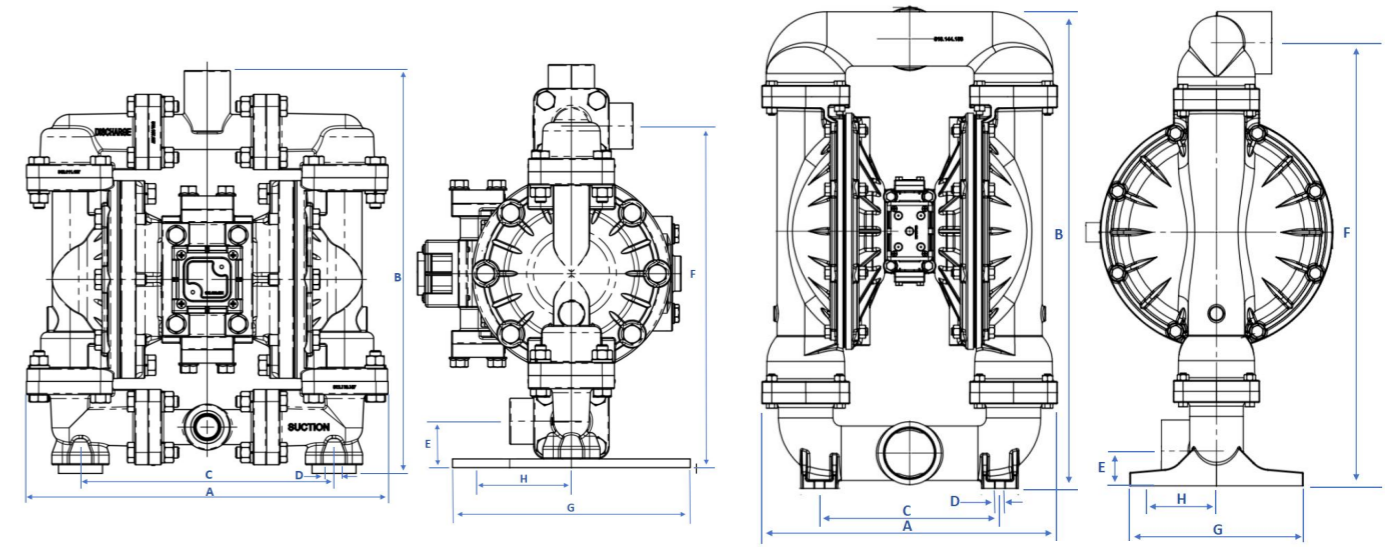


3"  
75mm

# HP 80 PERFORMANCE



## Pump Dimensional Drawing



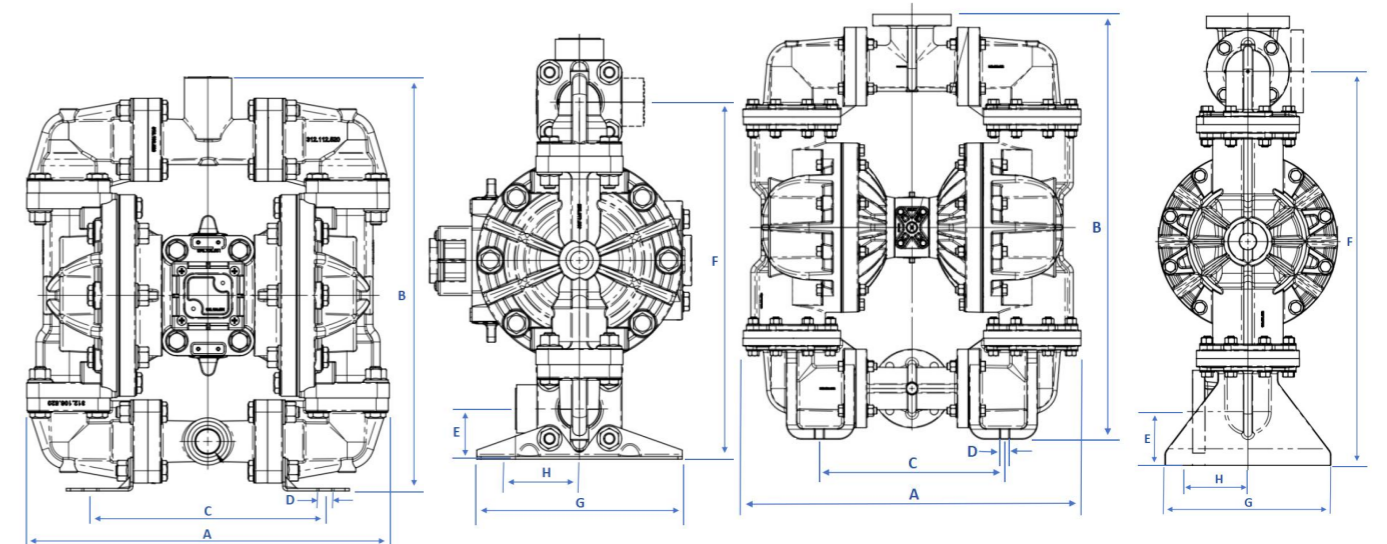
HP 10 Metallic

HP 25F、HP40、HP50、HP80  
Non-Metallic

### Non-Metallic Specification

Pump Models	A	B	C	D		Connection Style	Pipe Size	Displacement Per Stroke	Max Flow Per Minute	Max Solids Handling	Max Discharge Pressure
	Height	Width	Depth	Bottom of Base to Center Line of: Suction	Discharge						
	inch (mm)	inch (mm)	inch (mm)	inch (mm)	inch (mm)		inch (mm)	gal (liter)	gal (liter)	inch (mm)	psi (bar)
HP 05	7.81(198)	7(178)	5.5(140)	.75(19)	7.81(198)	1/4" NP	.25(6)	.01(.04)	4(15)	.03(1)	100(6.9)
HP 10	11.31(287)	10.13(257)	7.06(179)	1.38(35)	11.31(287)	1/2" NPT	.5(13)	.026(.098)	14(52)	.125(3)	100(6.9)
HP 20	13.34(339)	11.81(300)	7.06(179)	1.81(46)	13.34(339)	3/4" NPT	.75(19)	.026(.098)	23(87)	.15(4)	100(6.9)
HP 25	13.81(351)	11.81(300)	7.56(192)	2.54(64)	11.69(297)	1" ANSI	1(25)	.026(.098)	23(87)	.15(4)	100(6.9)
HP 25F	21(533)	17(433)	11.63(295)	2.54(64)	21(533)	1" U	1(25)	.19(.72)	53(200)	.25(6)	100(6.9)
HP 40	28.75(730)	23(584)	13(330)	3.5(89)	25.19(640)	1 1/2" ANSI or DIN	1.5(38)	.36(1.36)	100(378)	.47(12)	100(6.9)
HP 50	32.25(819)	23.81(605)	13(330)	3.81(97)	28.19(716)	2" U	2(50)	.36(1.36)	160(605)	.66(17)	100(6.9)
HP 80	40.66(1033)	32.31(821)	16.19(411)	4.85(123)	40.66(1033)	3" ANSI or DIN	3(75)	1.0(3.78)	280(1061)	.75(19)	100(6.9)

Dimensional Tolerance: ±1/8" (± 3mm) • See service manual for complete specifications.



HP 10 Non-Metallic

HP 25F、HP40、HP50、HP80  
Non-Metallic



## 为先进半导体制程电子化学品输送而生的超纯泵

An ultra-pure pump engineered for the delivery of electronic chemicals in advanced semiconductor manufacturing processes

风囊泵是通过2个折叠的风囊交替拉伸及压缩，将液体挤出或吸入泵头，该泵所有接触液体部分全部采用高纯度PTFE/PFA 材料制造，无离子析出，特殊的整体无金属设计，即便风囊破损，也不会有金属离子污染化学品。精密加工的风囊循环寿命高达一亿次，可以连续24小时免维护工作。AFH系列风囊泵可承受高达100° C的流体温度和最高7bar的供气压力，用于化学供液；AKH系列风囊泵可承受高达100° C的流体温度和4bar的供气压力，用于湿法清洗循环。

The air sac pump works by alternately stretching and compressing two folded air sacs to extrude or suck liquid into the pump head. All parts of the pump that come into contact with liquid are made of high-purity PTFE/PFA materials, with no ion precipitation. Thanks to its special overall metal-free design, even if the air sac is damaged, there will be no contamination of chemicals by metal ions. The precisely processed air sacs have a cycle life of up to 100 million times and can work continuously for 24 hours without maintenance. The AFH series air sac pumps can withstand fluid temperatures up to 100°C and a maximum supply pressure of 7bar, and are used for chemical liquid supply. The RKH series air sac pumps can withstand fluid temperatures up to 100°C and a supply pressure of 4bar, and are used for wet cleaning cycles.

### 产品性能特点

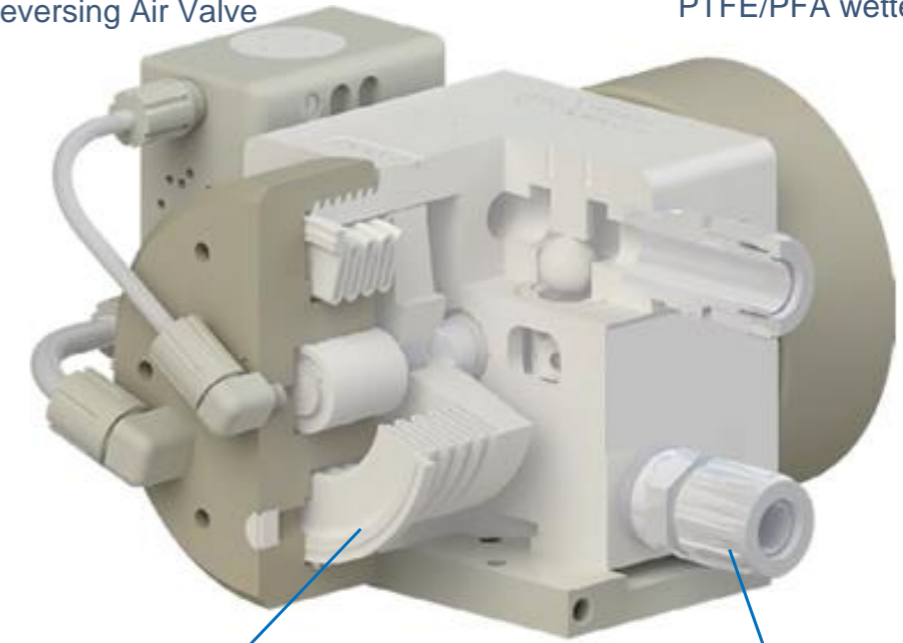
- 全机无金属、无油、无橡胶密封圈设计
- 接液部全部为高纯PTFE、PFA制成，拥有极强的耐温、耐化学品特性，洁净无污染
- 可分离式无油换向气阀，便于更换清洁，适用于洁净的压缩空气或氮气
- 特殊的换向机构及风囊的延展拉伸结构，将流体脉动降到最低
- 没有驱动电机，不会对输送的液体持续加温
- 洁净厂房生产、检测、包装
- 可输送温度超过100° C的高温化学液
- 两年保修期内无预防性维护

整体无金属及橡胶弹性体

Entirely free of metal and rubber elastomers

分离式换向气阀  
Split-type Reversing Air Valve

PTFE/PFA过流材质  
PTFE/PFA wetted materials



高延展度长寿命风囊  
Bellows with high extensibility and long service life

多种进出口连接方式  
Multiple inlet and outlet connection types

### Product Performance Features

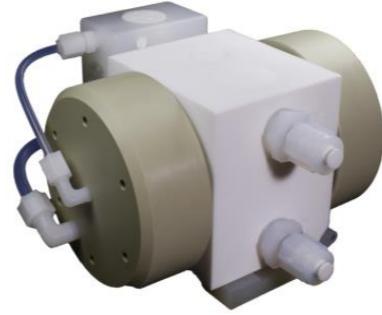
- Entire unit features a metal-free, oil-free, and rubber seal ring-free design.
- All wetted parts are made of high-purity PTFE and PFA, offering excellent temperature resistance and chemical resistance, ensuring cleanliness and pollution-free operation.
- Equipped with a split-type oil-free reversing air valve, it is easy to replace and clean, suitable for clean compressed air or nitrogen.
- The special reversing mechanism and the extension-stretching structure of the bellows minimize fluid pulsation.
- No drive motor, so it does not continuously heat the delivered liquid.
- Produced, inspected, and packaged in clean rooms.
- Capable of delivering high-temperature chemical liquids with temperatures exceeding 100°C.
- No preventive maintenance required within the two-year warranty period.



## 工作原理

### 1) 带自动换向气阀结构的风囊泵

压缩气通过换向气阀进入风囊内部，推动风囊左右伸缩运动，进而改变左右腔体容积，左右腔体交替吸排液。当风囊运动到正确位置后，压缩气进入换向阀杆，推动阀杆变换位置，从而切换压缩气进气管路，推动2个风囊的运动方向改变，从而将原来吸液的腔体变为排液，排液的腔体变为吸液。切断压缩气后，供气管路的压缩气自动排出，不会造成风囊承压。

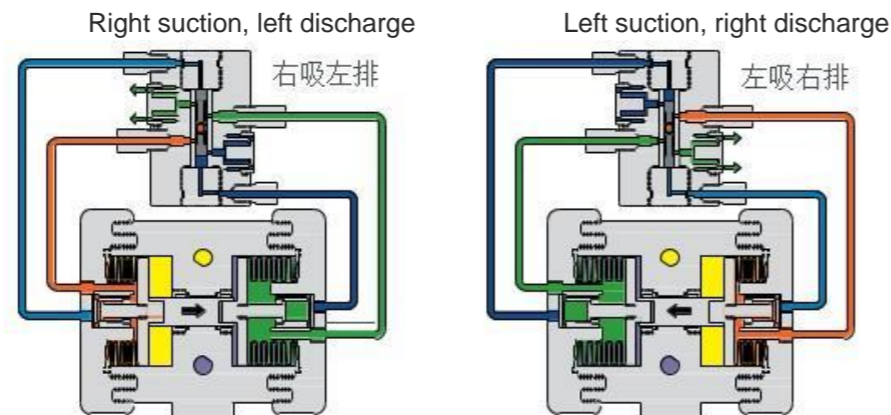


## Working Principle

### 1) Bellows pump with automatic reversing air valve structure

Compressed gas enters the inside of the bellows through the reversing air valve, pushing the bellows to perform left-right telescopic movement, thereby changing the volume of the left and right chambers. The left and right chambers alternately suck and discharge liquid. When the bellows move to the correct position, compressed gas enters the reversing valve stem, pushing the valve stem to change position. This switches the compressed gas inlet and outlet pipelines, driving the two bellows to reverse their movement direction—thus converting the chamber that originally sucked liquid into a discharge chamber, and the discharge chamber into a suction chamber. When the compressed gas is cut off, the compressed gas in the supply pipeline is automatically discharged, preventing the bellows from being under pressure.

- 压缩气 compressed gas
- 压缩气排放 compressed gas discharge
- 下换向压缩气 lower reversing compressed gas
- 上换向压缩气 upper reversing compressed gas
- 液体出口 liquid outlet
- 液体进口 liquid inlet



### 2) 外部电磁阀控制的风囊泵

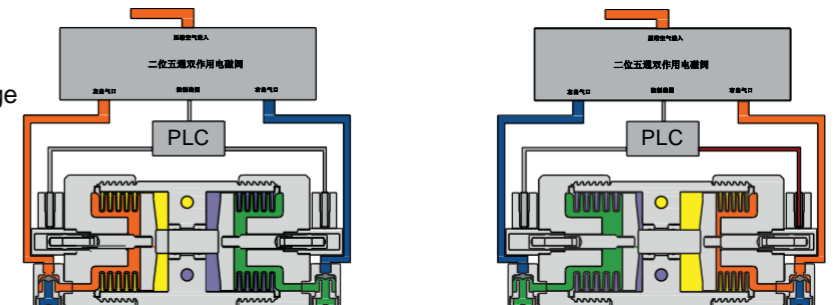
压缩气通过外部控制电磁阀进入风囊内部，推动风囊左右伸缩运动，进而改变左右腔体容积，左右腔体交替吸排液。当风囊运动到正确位置后，风囊侧面的接近开关输出信号给PLC，PLC控制电磁阀切换压缩气进气管路，原来的进气管路变为排气管路，原来的排气管路变为进气管路，从而推动2个风囊的运动方向改变，将原来吸液的腔体变为排液，排液的腔体变为吸液。切断压缩气后，供气管路的压缩气自动排出，不会造成风囊承压。



### 2) Bellows pump controlled by an external solenoid valve

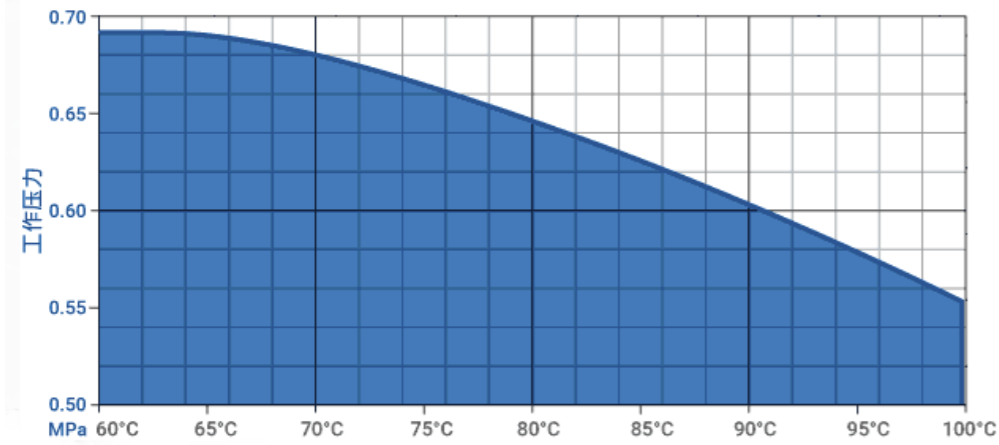
Compressed gas enters the inside of the bellows through the externally controlled solenoid valve, pushing the bellows to perform left-right telescopic movement, thereby changing the volume of the left and right chambers. The left and right chambers alternately suck and discharge liquid. When the bellows move to the correct position, the proximity switch on the side of the bellows outputs a signal to the PLC. The PLC controls the solenoid valve to switch the compressed gas inlet and outlet pipelines: the original inlet pipeline becomes an outlet pipeline, and the original outlet pipeline becomes an inlet pipeline. This drives the two bellows to reverse their movement direction, converting the chamber that originally sucked liquid into a discharge chamber, and the discharge chamber into a suction chamber. When the compressed gas is cut off, the compressed gas in the supply pipeline is automatically discharged, preventing the bellows from being under pressure.

- 压缩气进入 compressed gas inlet
- 压缩气排放 compressed gas discharge
- 常压空气 atmospheric air
- 接近开关信号 proximity switch signal
- 液体排出 liquid discharge
- 液体吸入 liquid suction



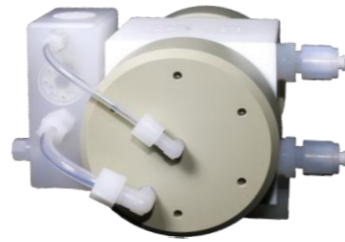
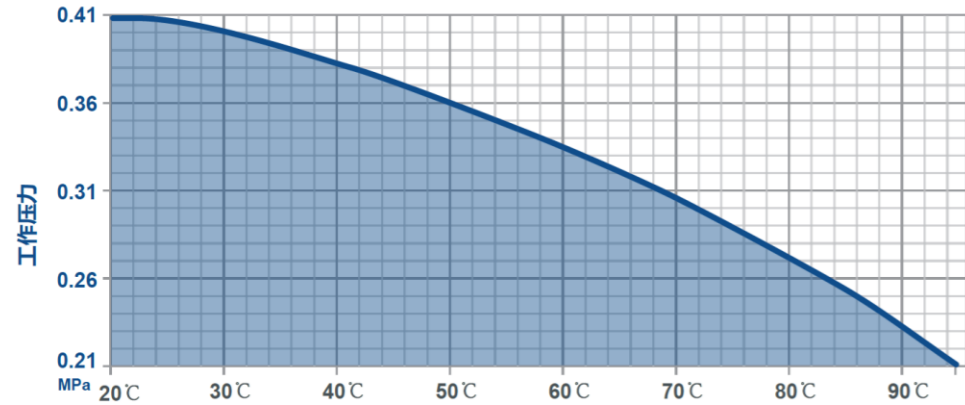


AFH风囊泵耐温范围 AFH Bellows Pump Temperature Resistance Range



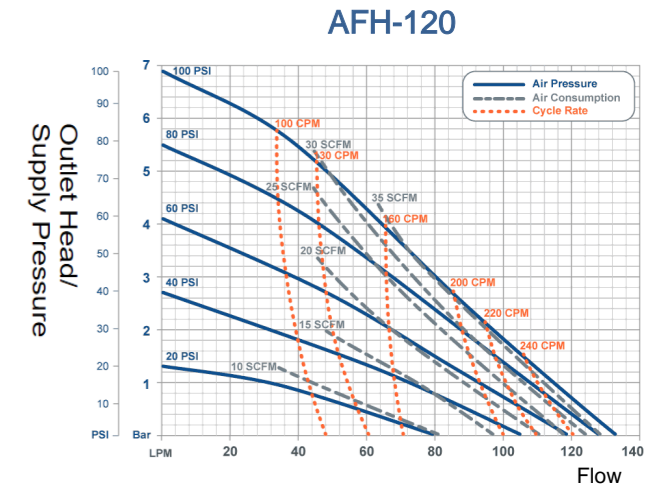
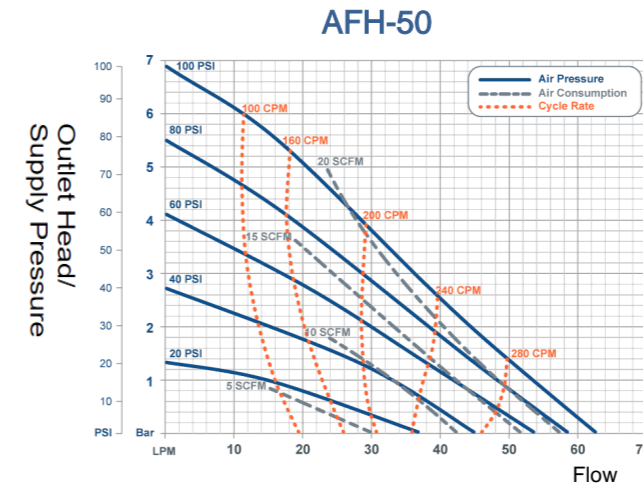
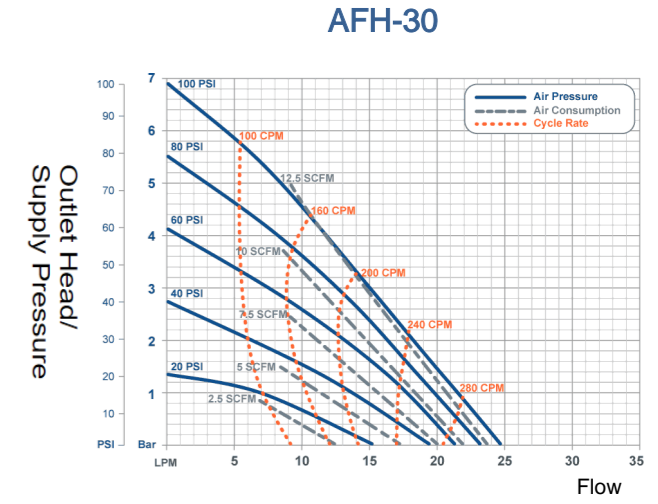
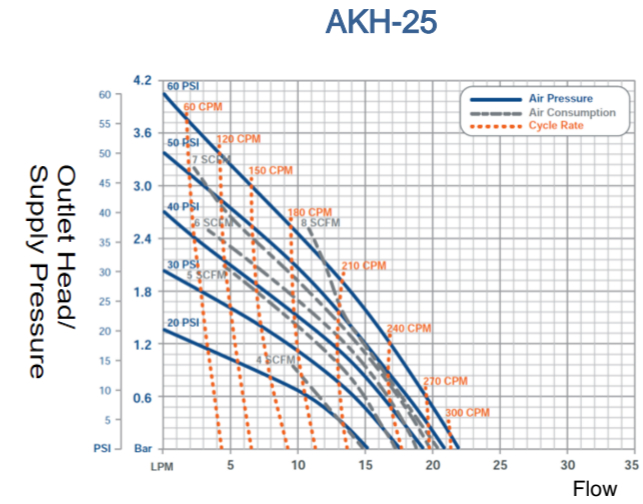
AFH-30、AFH-50、AFH-120

AKH风囊泵耐温范围 AKH Bellows Pump Temperature Resistance Range



AKH-25、AKH-50

性能曲线图 Performance Curve

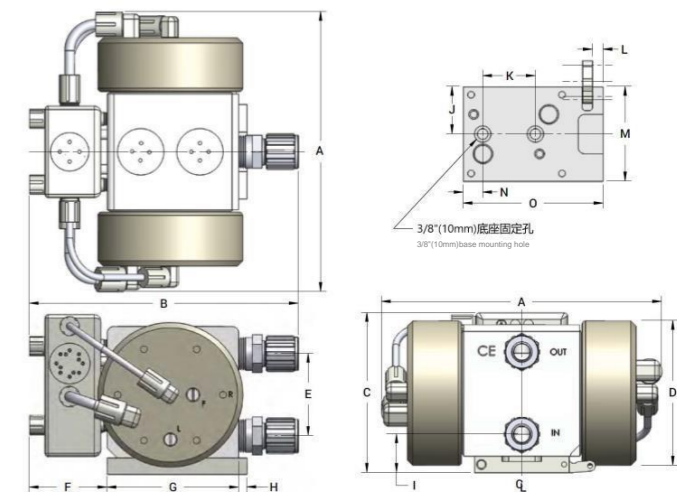


性能参数表 Performance Parameters Table

型号 Model	AKH-25	AFH-30	AFH-50	AFH-120	
最大流量 Max. Flow Rate	21.9 lpm	24.7 lpm	62.3 lpm	123 lpm	
每冲程流量 Flow Rate per Stroke	0.073 liters	0.074 liters	0.178 liters	0.500 liters	
冲程频次 Stroke Frequency	300 max	333 max	348 max	273 max	
进气接口 Air Inlet Connection	1/4 in FNPT	1/4 in FNPT	1/4 in FNPT	3/8 in FNPT	
重量 Weight	2.5 kg	3.3 kg	4.7 kg	16.6 kg	
吸上高度 Suction Lift	1 m	1 m	1 m	1 m	
最大耐温 Max. Temperature Resistance	100°C	100°C	100°C	100°C	
最大供气压力 Max. Supply Pressure	4 bar	7 bar	7 bar	7 bar	
最小供气压力 Min. Supply Pressure	1.4 bar	2 bar	2 bar	2 bar	
噪音 Noise Level	最高压力工况 Max. Pressure Operating Condition	70 dB	74 dB	73 dB	82 dB
	最大流量工况 Max. Flow Operating Condition	59 dB	63 dB	64 dB	76 dB
接触液体部分材质 Wetted Parts Material	PTFE/PFA				
非接触液体部分材质 Non-wetted Parts Material	PTFE/PFA/PP/Ceramic				

外形尺寸 Overall Dimensions

	AKH-25	AFH-30	AFH-50	AFH-120
A	218	238	270	361
B	214	214	259	345
C	121	121	154	233
D	105	110	140	222
E	57	57	79	138
F	66	66	75	75
G	105	105	127	206
H	8	6	8	8
I	32	32	37	53
J	31	31	46	47
K	51	51	51	51
L	11	11	10	11
M	62	62	91	94
N	25	25	19	57
O	111	111	135	215





## HPS系列风囊泵

HPS系列风囊泵是针对于半导体行业、电子行业，而定制的又一款非常优秀的产品。具有耐强腐蚀、坚固耐用、传送安全可靠特性的同时，性能更加出色，贴合使用需要，性能卓越，高纯液体输送的优秀选择。



### HPS Series Bellows Pumps

The HPS Series Bellows Pumps are another outstanding customized product tailored specifically for the semiconductor industry and electronics industry.

While featuring excellent resistance to strong corrosion, sturdiness and durability, and safe and reliable delivery, they also offer even more remarkable performance that perfectly aligns with operational needs. With superior overall capabilities, they serve as an excellent choice for high-purity liquid transfer.

### 特点Features :

1. 耐腐蚀 Corrosion Resistance
2. 结构坚固 Robust Structure
3. 方便维修 Easy Maintenance
4. 动能强劲 Powerful Performance
5. 漏液检知 Liquid Leakage Detection
6. 传感器换向控制 Sensor-Driven Reversing Control

型号 Model	最大流量 Max. FlowRate (L/min)	自吸能力 Self-Priming Capacity (Dry)m/(Wet)m	最大操作 气压 Max. Operating Air Pressure (Mpa)	温度范围 Temperature Range( )	出入接管尺寸 Inlet & Outlet Connection Size	供气管径 Air Supply Pipe Diameter	最大耗气量 Max. Air Consumption (NL/min)
HPS-10	10	0.5/1	0.5	5-200	1/2"(12.7mm*9.53mm)	8	320
HPS-20	20	0.5/1	0.5	5-200	1/2"(12.7mm*9.53mm)	10	468
HPS-35	35	0.5/1	0.5	5-200	3/4"(19.05mm*15.8mm)	10	710
HPS-60	60	0.5/1	0.5	5-200	1"(25.4mm*22.2mm)	10	1000
HPS-80	80	0.5/1	0.5	5-200	1-1/4"(31.8mm*28mm)	12	1560
HPS-100	100	0.5/1	0.5	5-200	1-1/2"(38.1mm*33.7mm)	12	1790

## 化学品输送阀门管材

### Valves & Tubing for Chemical Transfer



### 超纯塑料阀 Ultrapure Plastic Valves



### 过滤器 Filters

