



贝洋  
BEI YANG

# 上海贝洋泵业有限公司

SHANGHAI BEIYANG PUMP CO., LTD.

PRODUCT CATALOGUE

## 产品选型册



上海贝洋泵业有限公司

<http://www.beiyangbengye.com>



# 荣誉资质

## HONORABLE MENTION



全国隔膜泵行业十大品牌  
Top Ten brands of diaphragm pump industry in China



ISO质量认证  
ISO quality certification



CE欧盟认证  
Ce European Union certification



高科技自主创新产品  
High-tech independent innovation products



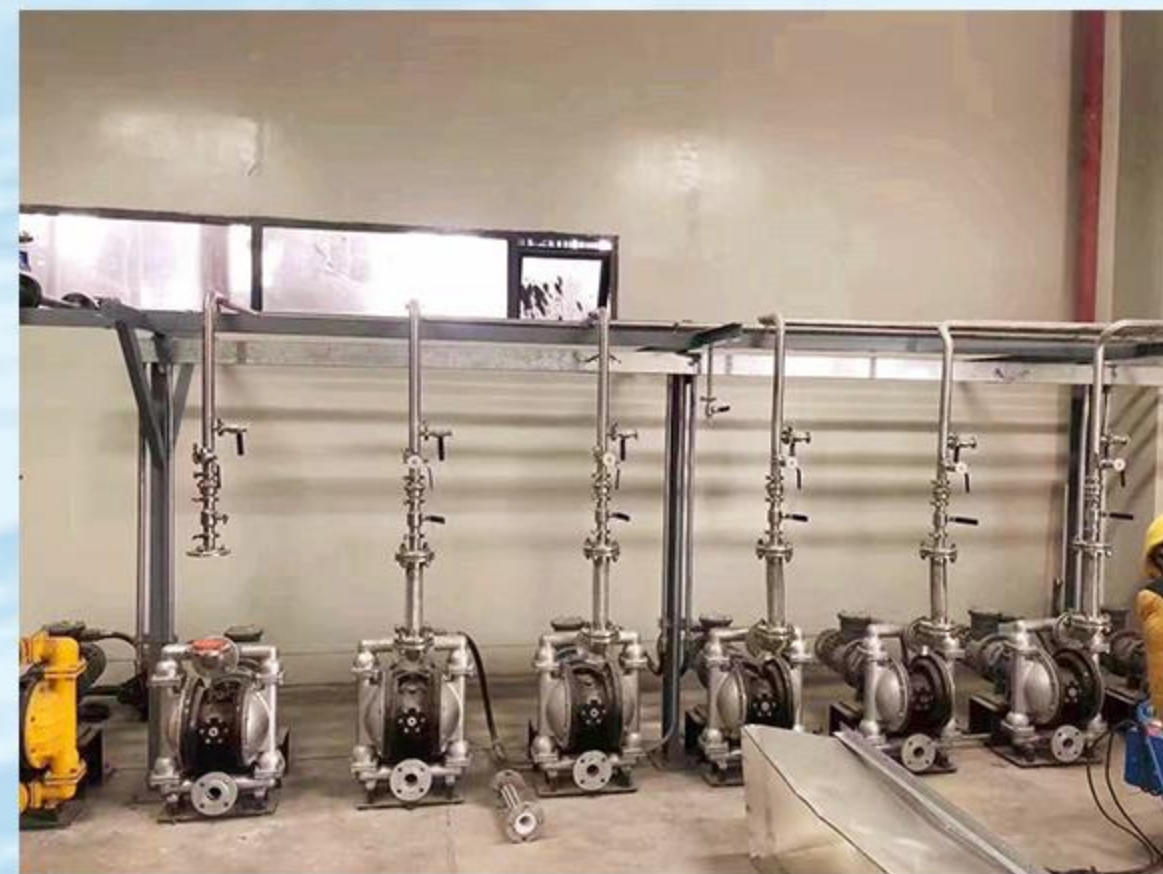
中国著名品牌  
Famous Chinese brands



全国AAA级诚信企业  
AAA Credit Enterprise in China

# 部分合作客户案例

SOME COOPERATIVE CUSTOMER CASES



客户的认可，是对我们最大的肯定

The customer's approval, is to us the biggest affirmation



厂部实景  
FACTORY SCENE



实力厂家

POWER PRODUCER

诚信创新

INTEGRITY INNOVATION



高效节能

HIGH EFFICIENCY AND ENERGY SAVING



安全环保

SAFE AND ENVIRONMENTALLY FRIENDLY

# 目录

## TABLE OF CONTENTS



企业简介 Company profile.....	1
气动隔膜泵型号意义及原理 Model significance and principle of pneumatic diaphragm pump.....	2
性能及应用领域 Performance and application areas .....	3
过流部件材质 Overflow parts materia .....	4
<b>QBY3气动隔膜泵QBY3 Pneumatic diaphragm pump</b>	
QBY3-10/15.....	5
QBY3-20/25.....	6-7
QBY3-32/40.....	8-9
QBY3-50/65.....	10-11
QBY3-80/100.....	12-13
QBY3-125.....	14
QBY3-CF.....	15
QBY3爆炸图 QBY3 Explosion.....	16
<b>QBY4气动隔膜泵QBY4 Pneumatic diaphragm pump</b>	
QBY4-20/25.....	17-18
QBY4-32/40.....	19-20
QBY4-50/65.....	21-22
QBY4-80/100.....	23-24
QBY4-125.....	25
QBY4爆炸图 QBY4 Explosion.....	26
气动隔膜泵安装示范图 Pneumatic diaphragm pump installation demonstration diagram.....	27
<b>DBY3电动隔膜泵DBY3 electric diaphragm pump</b>	
型号意义及原理 Model Significance and principle.....	28
性能及应用领域Performance and application areas .....	29
DBY3-20/25.....	30-31
DBY3-32/40.....	32-33
DBY3-50/65.....	34-35
DBY3-80/100.....	36-37
DBY3-CF.....	38
DBY3爆炸图DBY3 Explosion.....	39



# 目录

## TABLE OF CONTENTS

### 卫生级隔膜泵Sanitary grade diaphragm pump

卫生级隔膜泵简介Introduction to sanitary diaphragm pump.....	40
性能及应用领域Performance and application areas.....	41
QBY3-W.....	42
QBY3-W爆炸图QBY3-W Explosion.....	43
DBY3-W .....	44
DBY3-W爆炸图DBY3-W Explosion.....	45
隔膜泵配件及附件Diaphragm pump parts and accessories.....	46-47

### 磁力驱动泵系列Magnetic drive pump series.....

CQ.....	49
CQB .....	50
CQB-F.....	51

### 机械隔膜计量泵系列

#### Mechanical diaphragm metering pump series.....

JBM.....	53
JCM.....	54
JAM-B.....	55
JAM-C.....	56

### 过流部件抗腐蚀表

#### Corrosion resistance table of flow parts.....

57

**企业愿景：做全行业的榜样，收货金色的希望！**

**Enterprise Vision: To be a role model for the whole industry and to receive golden hope!**

**企业使命：创新引领发展，科技成就收货！**

**Corporate values: innovation leads development, science and technology achievement receipt!**

**企业价值观：敬业从新开始，贡献从行出发！**

**orporate mission: dedication starts from the beginning, contribution starts from the line!**

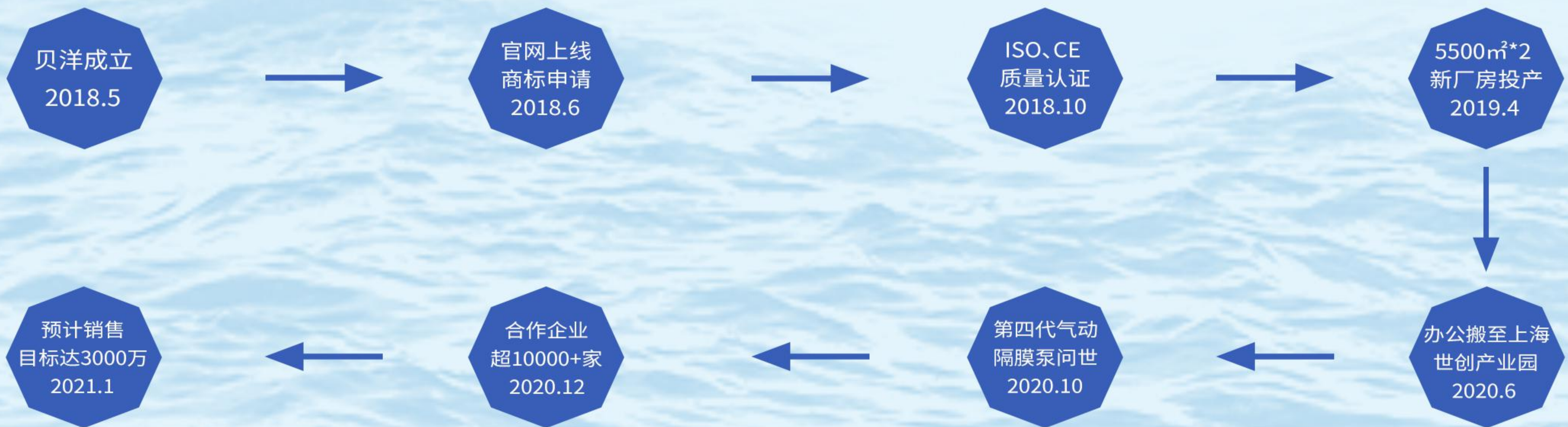
# 企业简介

## COMPANY PROFILE



上海贝洋泵业有限公司是一家专业生产气动隔膜泵、电动隔膜泵、磁力泵及计量泵的厂家。公司在2018年顺利通过ISO9001国际质量体系认证，自成立以来本着以人才为资本，以技术为动力，以客户需求为己任的经营理念，并于2020年成功在QBY3气动隔膜泵基础上推出第四代新型气动隔膜泵（QBY4）系列，第四代电动隔膜泵（DBY4）系列产品，一经推出赢得广大新老客户赞誉。在公司内汇聚了一批技术和管理精英，公司以过硬的产品质量赢得了国内外广大用户的一致好评，我司产品已在市场中树立了良好的商业信誉，产品广泛应用于：工业生产、环保污水处理、食品制药、石油、船舶等多种领域。

Shanghai Beiyang Pump Co., Ltd. is a professional manufacturer of pneumatic diaphragm pump, electric diaphragm pump, magnetic pump and metering pump. The company successfully passed ISO9001 International Quality System certification in 2018, since its inception in line with talent as the capital, technology as the driving force, to customer demand for their own business philosophy, and in 2020 successfully in QBY3 PNEUMATIC DIAPHRAGM, pump based on the introduction of the fourth generation of new pneumatic diaphragm pump (QBY4) series, the fourth generation of electric, diaphragm pump (DBY4) series products, once launched won the majority of new and old customers praise. In the company has gathered a group of technical and management elite, the company with excellent product quality won, the majority of users at home and abroad, our products have established a good, commercial reputation in the market, products are widely used in: industrial production, environmental sewage treatment, food, pharmaceutical, petroleum, ships and other fields.

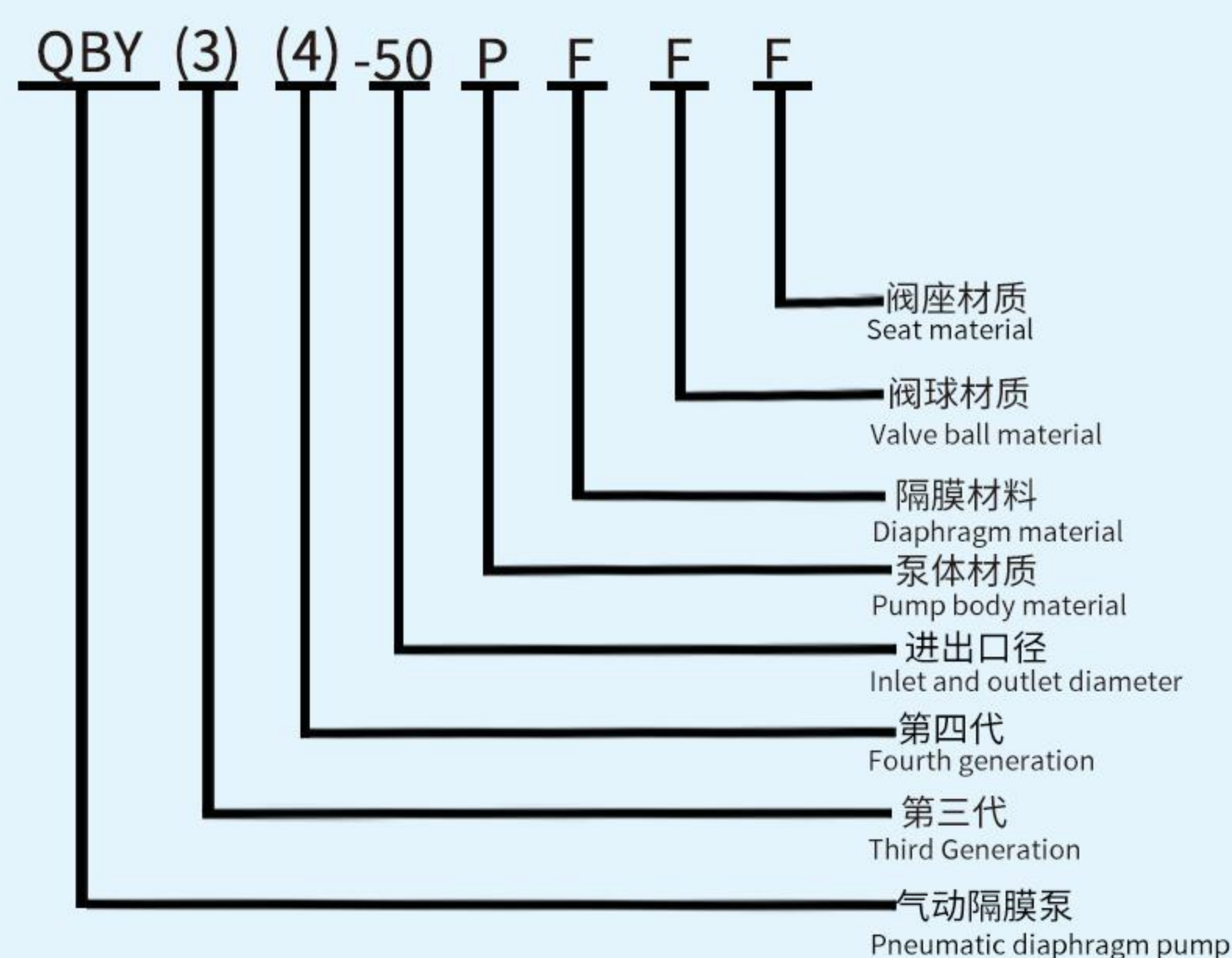
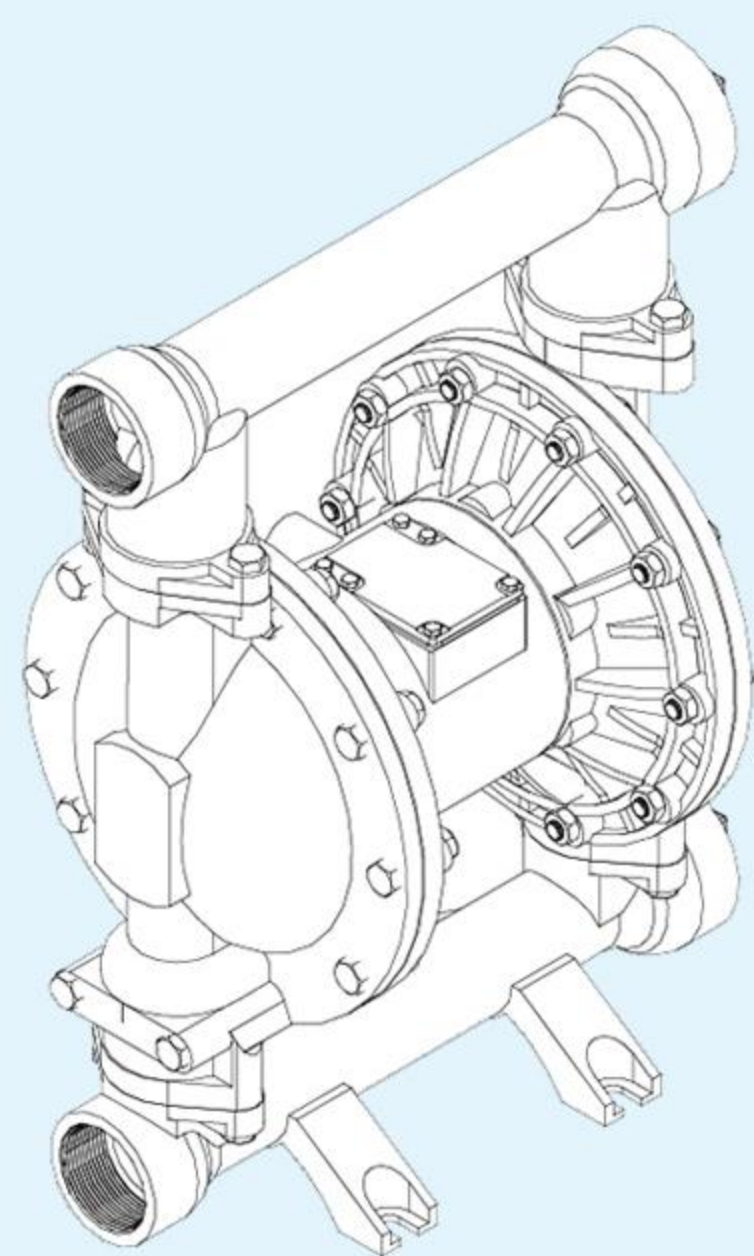


待续



# 型号意义及原理

## MODEL SIGNIFICANCE AND PRINCIPLE



QBY4气动隔膜泵工作原理：在隔膜泵的两个对称工作腔中，各装有一块有弹性的隔膜，连杆将两块隔膜结成一体，压缩空气从泵的进气接头进入气阀室后推动两个工作腔内的隔膜，驱动连杆连接的隔膜同步运动。与此同时，另一个工作腔中

的气体则从其隔膜的背面排出泵外。当活塞达到行程终点，阀机构则自动的将压缩空气引入另一个工作腔，推动隔膜泵朝反方向运动，这样就形成了两个隔膜的同步往复运动。每个工作腔中又设置了两个单向球阀，隔膜的往复运动，造成工作腔内溶剂的改变，迫使两个单向球阀交替的开启和关闭，从而使液体连续的吸入和排出。QBY4气动隔膜泵与其他隔膜泵最明显的不同在于配齐阀结构。

The working principle of QBY4 pneumatic diaphragm pump: In the two symmetric working chambers of the diaphragm pump each is equipped with an elastic diaphragm, the connecting rod integrates the two diaphragms into one, and the compressed air enters the air valve chamber from the air inlet joint of the pump, Push the diaphragm in the two working chambers, and drive the diaphragm connected by the connecting rod to move synchronously. At the same time, the gas in the other working chamber exits the pump from the back of its diaphragm. When the piston reaches the end of the stroke, the valve mechanism automatically introduces compressed air into the other working chamber and pushes the diaphragm pump to move in the opposite direction, thus forming a synchronous reciprocating movement of the two diaphragms. Two one-way ball valves are set in each working chamber. The reciprocating movement of the diaphragm causes the solvent in the working chamber to change, forcing the two one-way ball valves to alternately open and close, thereby continuously drawing and discharging liquid.





# 优势及应用领域

## STRENGTHS AND AREAS OF APPLICATION



### 产品性能优势：

本公司气动隔膜泵既能输送流动性液体，又能输送一些不易流动的液体，具有耐腐蚀泵.自吸泵.潜水泵.屏蔽泵.泥浆泵等机械的许多优点。

- 1: 不需灌引水，吸程最大可达5米，扬程最大可达70米，出口压力最大可达0.84MPA。
- 2: 流动宽敞，通过性能好，允许通过最大颗粒可达10MM。
- 3: 流量，扬程可通过气源压力来调节（气源压力再0.1PMA--0.84PMA之间）。
- 4: 工作环境范围：5-65℃，输送介质范围（-20--150℃）
- 5: 该泵无旋转部件，没有机封，隔膜将输送的介质与泵的运动部件完全隔开，所输送的介质不会向外泄露，所以输送有毒，易燃易爆，有腐蚀性的介质时，不会造成污染环境和危害人身安全。
- 6: 不需用电，再易燃易爆场所使用安全可靠。使用方便，工作可靠开停机只需简单的打开和关闭气源阀门即可
- 7: 结构简单，易安装，易损件少，后期维护方便。
- 8: 可输送较粘介质（粘度再10000厘泊以下均可输送）。

### Product performance advantage

The pneumatic diaphragm pump of our company can transport fluid liquids as well as some difficult-to-flow liquids. It has many advantages of corrosion-resistant pumps, self-priming pumps, submersible pumps, canned pumps, mud pumps and other machinery.

- 1: No need to irrigate and divert water, the maximum suction lift can reach 5 meters, the maximum lift can reach 70 meters, and the maximum outlet pressure can reach 0.84mpa.
- 2: The flow is spacious, the passing performance is good, and the largest particle allowed to pass can reach 10mm.
- 3: Flow rate and head can be adjusted by air source pressure (air source pressure is between 0.1Pma--0.84Pma).
- 4: Working environment range: 5-65℃, conveying medium range (-20--150℃)
- 5: The pump has no rotating parts and no mechanical seal. The diaphragm completely separates the conveyed medium from the moving parts of the pump, and the conveyed medium will not leak outward, so it conveys toxic, flammable, explosive, and corrosive media It will not pollute the environment and endanger personal safety.
- 6: No need for electricity, safe and reliable to use in flammable and explosive places. Easy to use, reliable to work, just simply open and close the air supply valve
- 7: Simple structure, easy installation, few wearing parts, and convenient maintenance.
- 8: Can transport more viscous media (viscosity below 10000 centipoise can be transported).



化工  
Chemical industry



环保水处理  
Environmental  
protection industry



食品饮料  
Food and  
beverage industry



设备配套  
Mechanical  
matching



电子工业  
electronics industry



新能源  
new energy



制药  
Pharmaceutical



煤矿  
Coal mine



汽车生产  
Car production



涂料业  
Paint industry



陶瓷业  
ceramics



# 过流部件材质

## OVERFLOW PARTS MATERIA

### (一) 泵体材质 Pump body material

铸铁 cast iron	铝合金 Aluminum alloy	不锈钢304 Stainlesssteel 304	不锈钢316 Stainless steel 316	不锈钢316L Stainless steel 316L	工程塑料 Engineering plastics	氟塑料 Fluoroplastic	钢衬四氟 Steellined PTFE
G	L	P	P316	P316L	S	F	CF

### (二) 隔膜材质 Diaphragm material

聚胶 Poly glue	丁腈 Nitrile	三元乙丙 Epdm	三道橡胶 Three rubber	氯丁 Neoprene	四氟 Tetrafluoro	特氟龙 Teflon	聚醚 Polyether
J	D	E	S	L	F	T	M

### (三) 阀球材质 Valve ball material

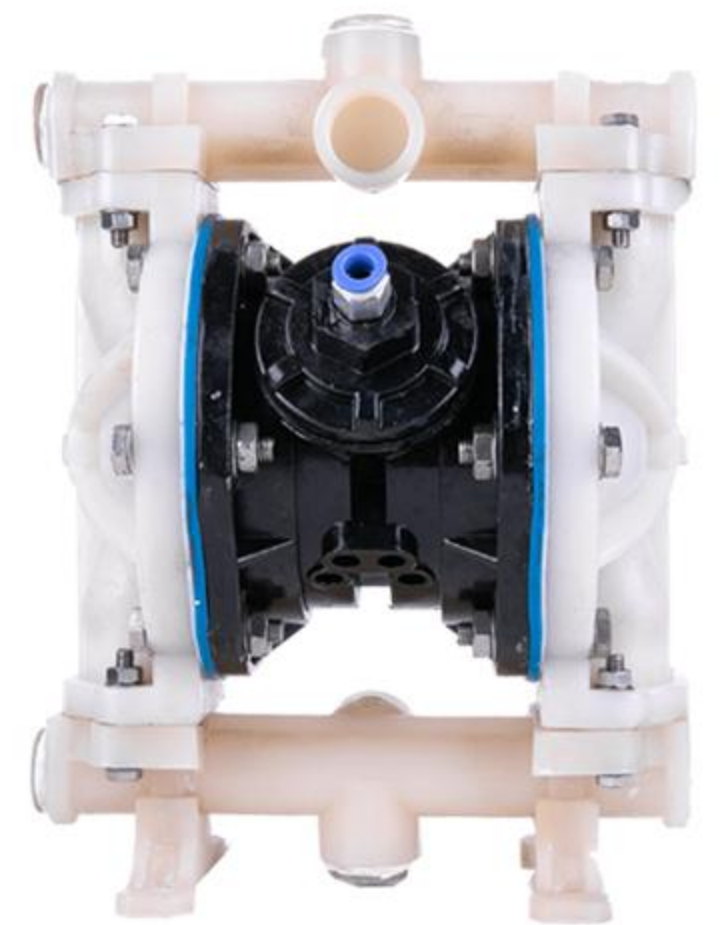
丁腈 Nitrile	三道橡胶 Three rubbe	钢球 Steel ball	不锈钢304 Stainless steel	不锈钢316 Stainless steel 316	不锈钢316L Stainless steel 316L	陶瓷 ceramics	四氟 Tetrafluoro	聚四氟乙烯 Polytetrafluoroethylene
D	S	G	P	P316	P316L	C	F	T

### (四) 阀座材质 Seat material

丁腈 Nitrile	三道橡胶 Three rubbe	钢球 Steel ball	不锈钢304 Stainless steel 304	不锈钢316 Stainless steel 316	不锈钢316L Stainless steel 316L	陶瓷 ceramics	四氟 Tetrafluoro	聚四氟乙烯 Polytetrafluoroethylene
D	S	G	P	P316	P316L	C	F	T

备注：可根据现场实际工况选择不同材质泵体，隔膜及阀球，阀座  
Remarks: Pump body, diaphragm, valve ball and valve seat canbe selected according to actual working conditions on site

# QBY3-10 QBY3-15



泵体材质：铸铁、铝合金、不锈钢（304,316,316L）、工程塑料、氟塑料

Pump body material: Cast iron、aluminum alloy、Stainless steel (304,316,316L)、engineering plastics、fluorine plastic

## 技术参数technical parameter

最大工作压力Max. working pressure

最大工作流量Max. working flow

最大往复速度Max. reciprocating speed

最大虹吸高度Max. siphon height

最大输送固体颗粒Max. conveying solid particles

最大空气消耗量Ma. air consumption

空气进口尺寸Air inlet size

流体进口尺寸Fluid inlet size

流体出口尺寸Fluid outlet size

### QBY3-10

72psi (0.5Mpa, 5bar)

5.0gpm (18.9 lpm)

330cpm

8ft (2.5m)

0.06in (1.5mm)

9.0scfm (6L/S)

1/4in.bsp (f)

3/8in.bsp (f)

3/8in.bsp (f)

### QBY3-15

72psi (0.5Mpa, 5bar)

5.0gpm (18.9 lpm)

330cpm

8ft (2.5m)

0.06in (1.5mm)

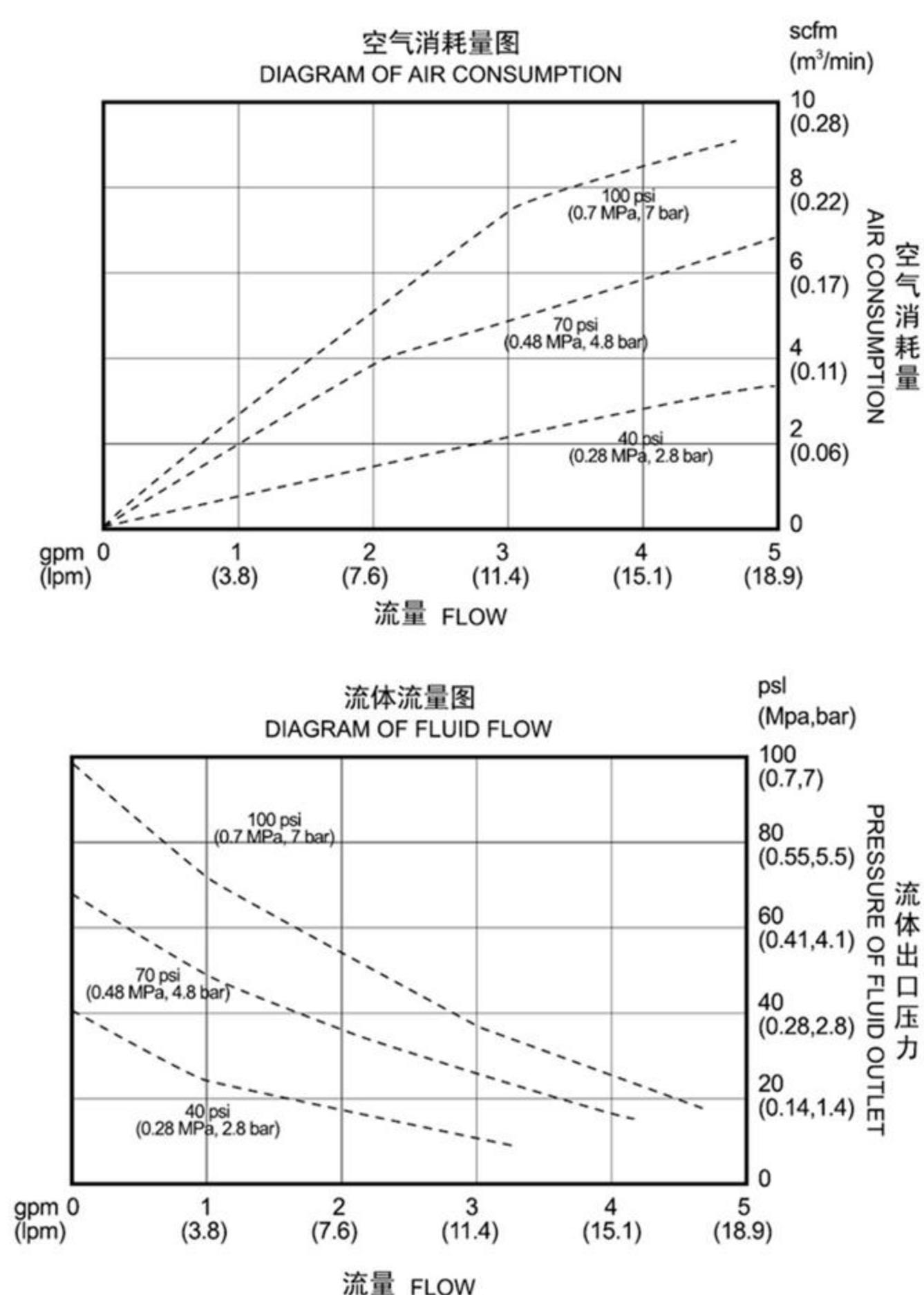
9.0scfm (6L/S)

1/4in.bsp (f)

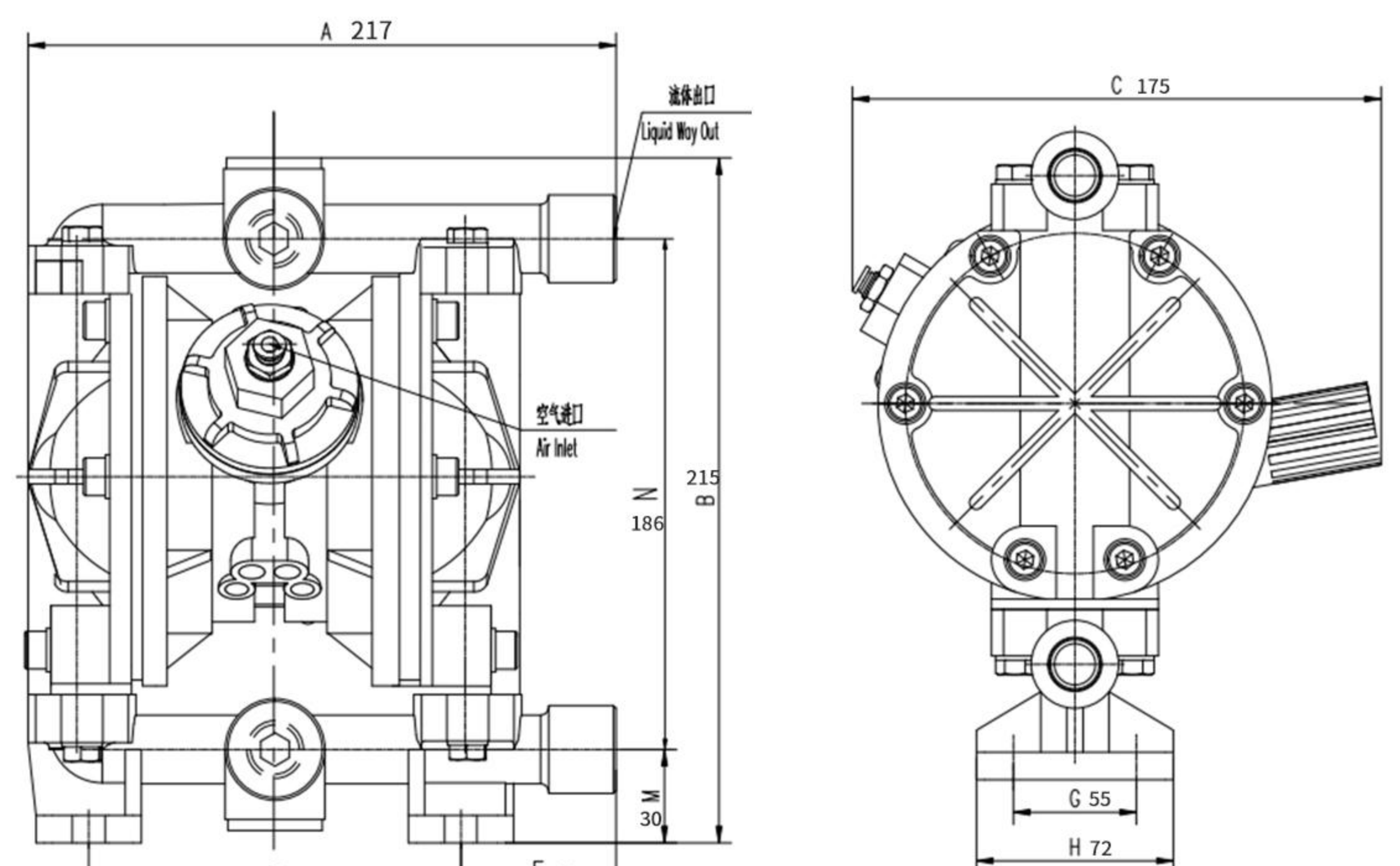
1/2in.bsp (f)

1/2in.bsp (f)

## 性能曲线图Performance graph



## 安装尺寸图Installation Dimension Drawing



zxΦb  
4xΦ10



# QBY3-20 QBY3-25



泵体材质： 铸铁、 铝合金、 不锈钢 (304,316,316L)

Pump body material: Cast iron、 aluminum alloy、 Stainless steel (304,316,316L)

## 技术参数technical parameter

最大工作压力Max. working pressure

最大工作流量Max. working flow

最大往复速度Max. reciprocating speed

最大虹吸高度Max. siphon height

最大输送固体颗粒Max. conveying solid particles

最大空气消耗量Ma. air consumption

空气进口尺寸Air inlet size

流体进口尺寸Fluid inlet size

流体出口尺寸Fluid outlet size

### QBY3-20

100psi (0.7Mpa, 7bar)

15gpm (57 lpm)

400cpm

15ft (4.5m)

3/32in (2.5mm)

18scfm (9L/S)

1/4in.bsp (f)

3/4in.bsp (f)

3/4in.bsp (f)

### QBY3-25

100psi (0.7Mpa, 7bar)

15gpm (57 lpm)

400cpm

15ft (4.5m)

3/32in (2.5mm)

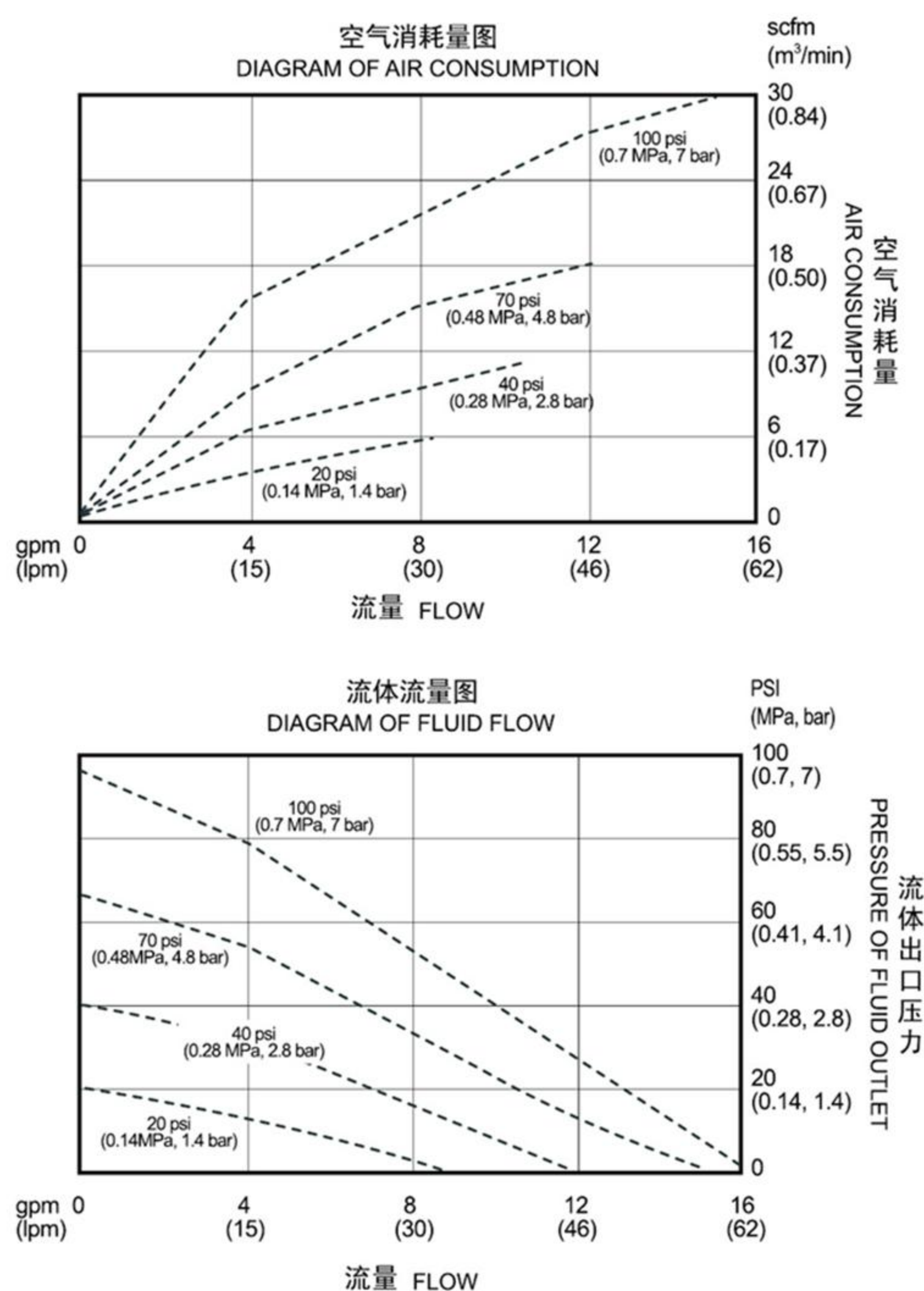
18scfm (9L/S)

1/4in.bsp (f)

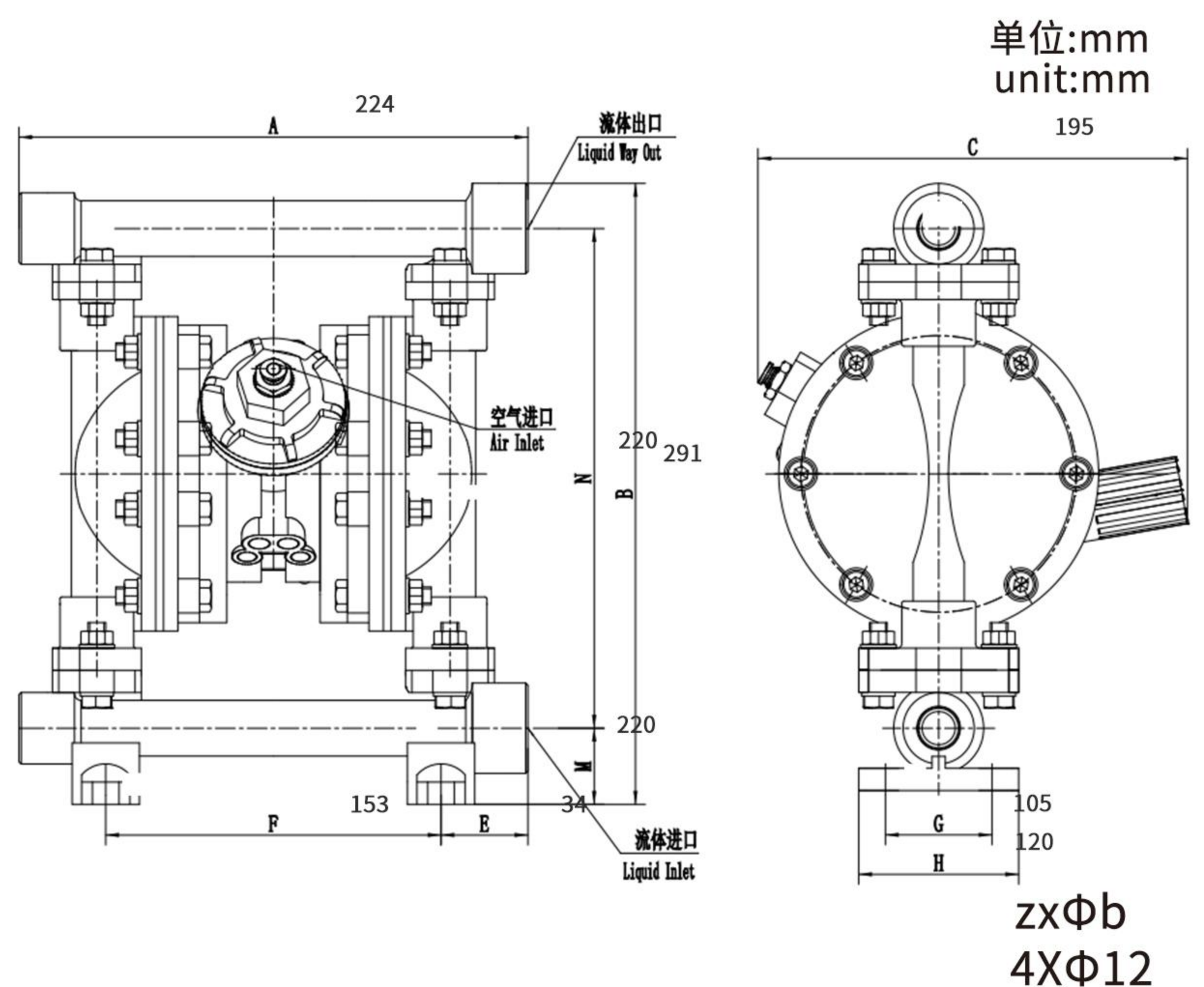
1 in.bsp (f)

1 in.bsp (f)

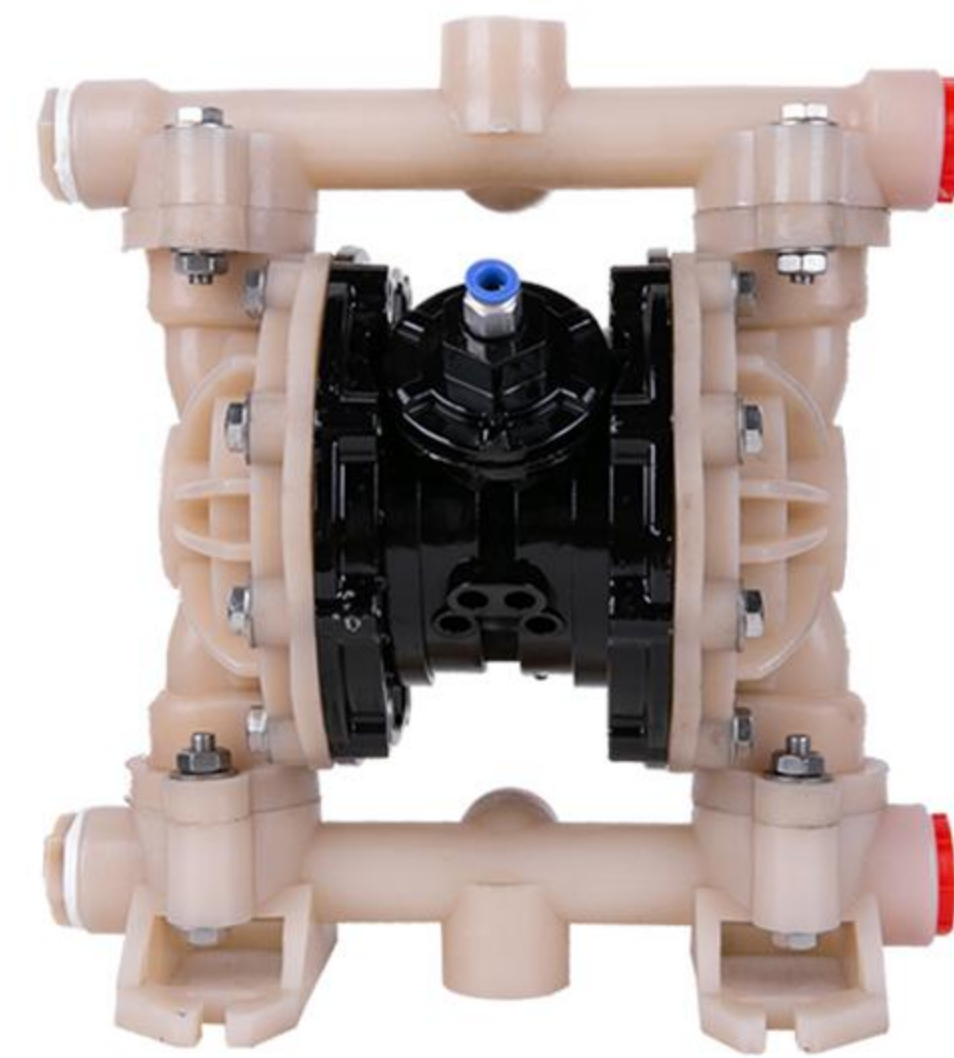
## 性能曲线图Performance graph



## 安装尺寸图Installation Dimension Drawing



# QBY3-20 QBY3-25



**泵体材质：工程塑料、氟塑料**

**Pump body material: engineering plastics, fluoroplastics**

**技术参数 technical parameter**

- 最大工作压力Max. working pressure
- 最大工作流量Max. working flow
- 最大往复速度Max. reciprocating speed
- 最大虹吸高度Max. siphon height
- 最大输送固体颗粒Max. conveying solid particles
- 最大空气消耗量Ma. air consumption
- 空气进口尺寸Air inlet size
- 流体进口尺寸Fluid inlet size
- 流体出口尺寸Fluid outlet size

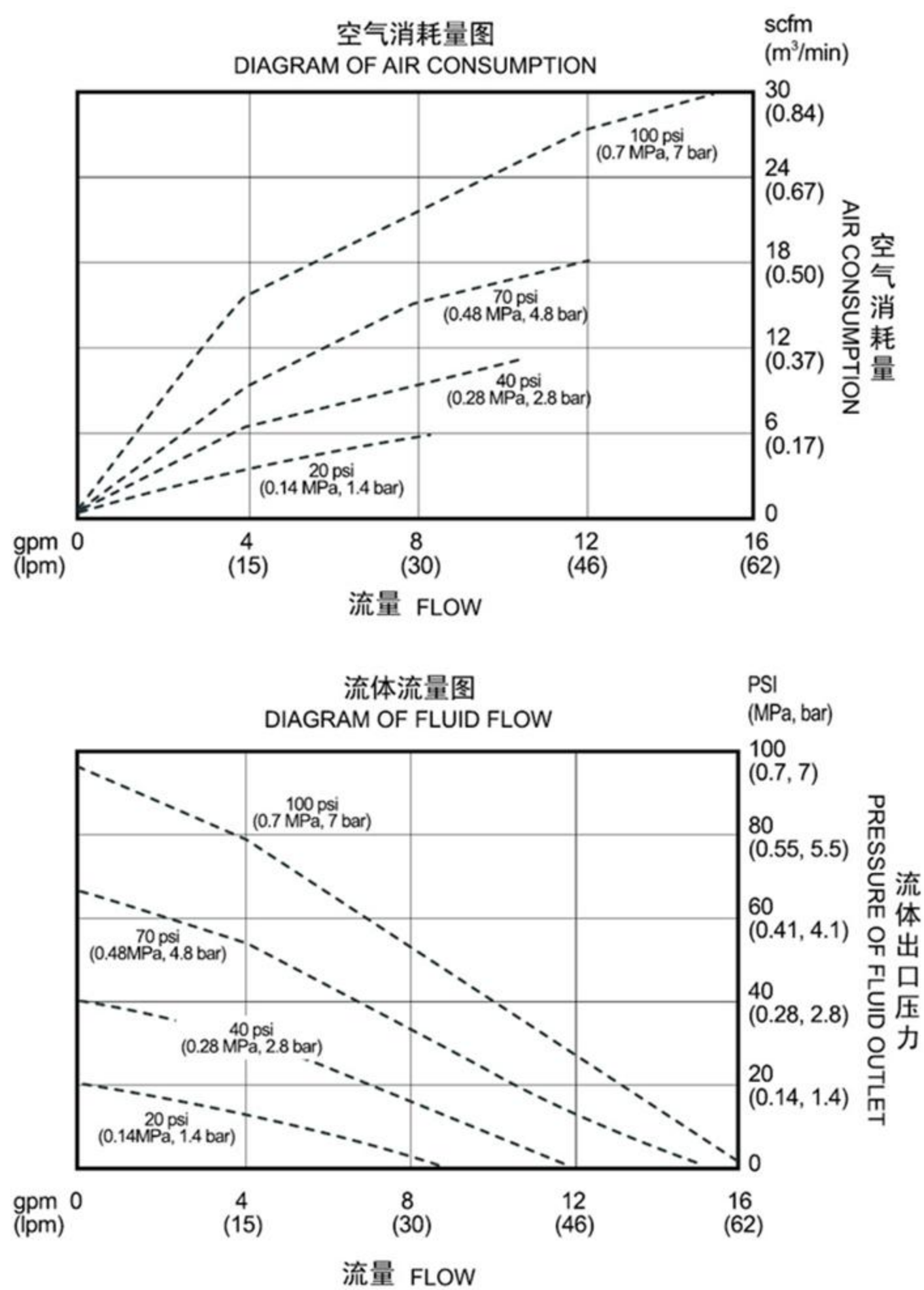
**QBY3-20**

- 100psi (0.7Mpa, 7bar)
- 15gpm (57 lpm)
- 400cpm
- 15ft (4.5m)
- 3/32in (2.5mm)
- 18scfm (9L/S)
- 1/4in.bsp (f)
- 3/4in.bsp (f)
- 3/4in.bsp (f)

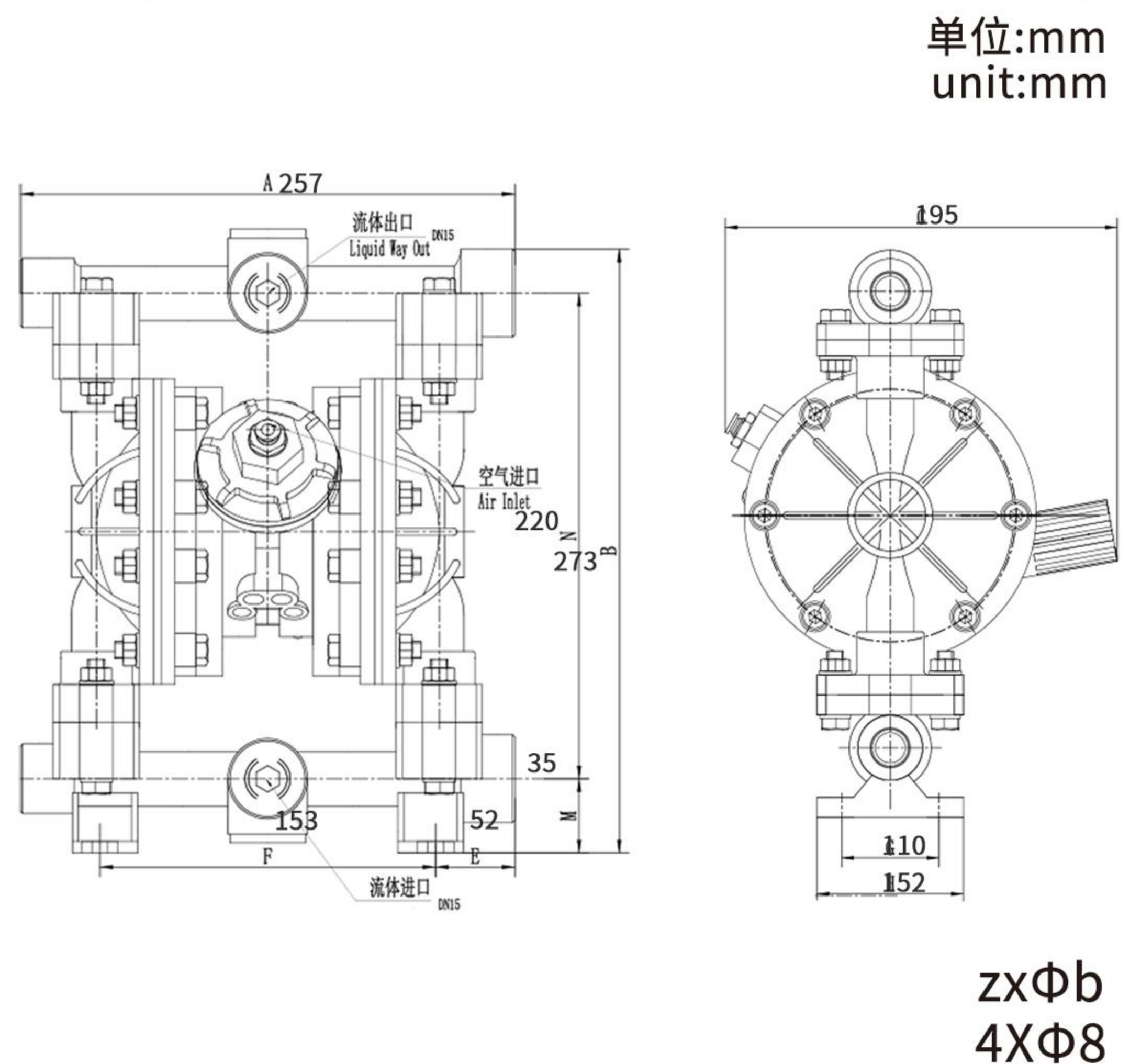
**QBY3-25**

- 100psi (0.7Mpa, 7bar)
- 15gpm (57 lpm)
- 400cpm
- 15ft (4.5m)
- 3/32in (2.5mm)
- 18scfm (9L/S)
- 1/4in.bsp (f)
- 1 in.bsp (f)
- 1 in.bsp (f)

**性能曲线图 Performance graph**



**安装尺寸图 Installation Dimension Drawing**





# QBY3-32 QBY3-40



泵体材质：铸铁、铝合金、不锈钢（304,316,316L）

Pump body material: Cast iron、aluminum alloy、stainless steel (304,316,316L)

## 技术参数technical parameter

最大工作压力Max. working pressure

最大工作流量Max. working flow

最大往复速度Max. reciprocating speed

最大虹吸高度Max. siphon height

最大输送固体颗粒Max. conveying solid particles

最大空气消耗量Ma. air consumption

空气进口尺寸Air inlet size

流体进口尺寸Fluid inlet size

流体出口尺寸Fluid outlet size

### QBY3-32

120psi (0.84Mpa, 8.4bar)

40gpm (150 lpm)

276cpm

18ft (5.0m)

1/8in (3.5mm)

45scfm (22L/S)

1/2in.npt(f)

1-1/4in

1-1/4in

### QBY3-40

120psi (0.84Mp, 8.4bar)

40gpm (150 lpm)

276cpm

18ft (5.0m)

1/8in (3.5mm)

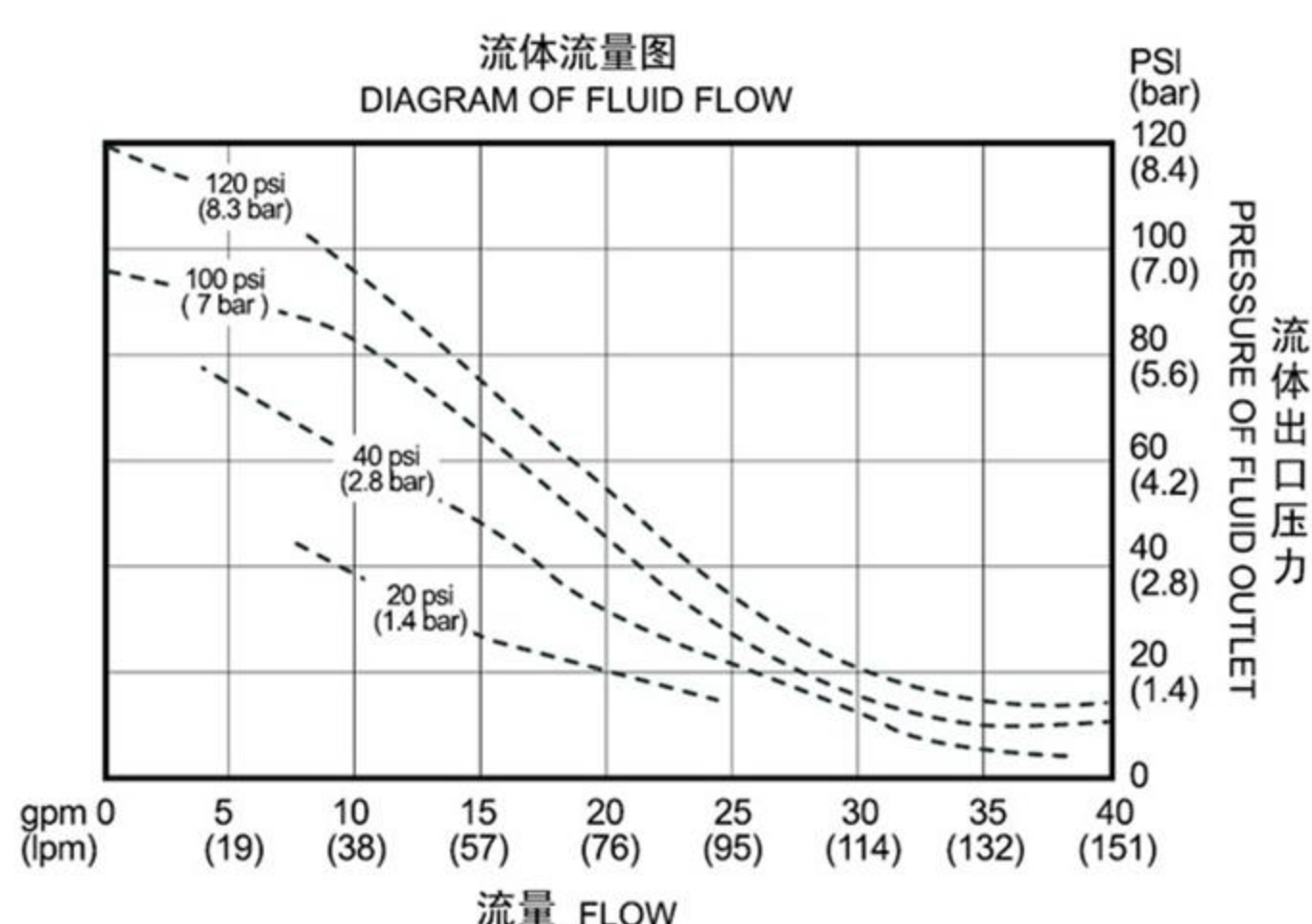
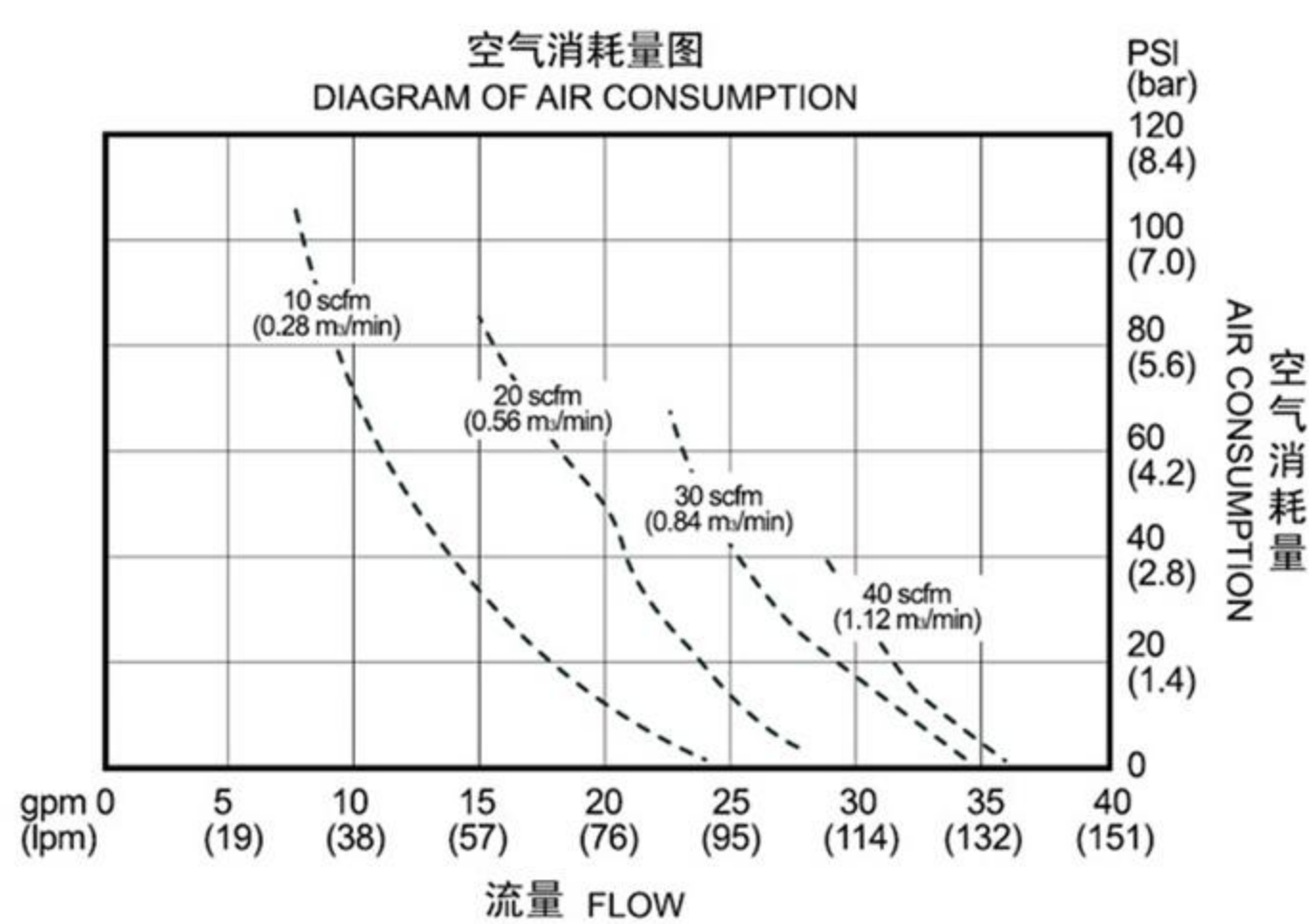
45scfm (22L/S)

1/2in.npt(f)

1-1/2 in

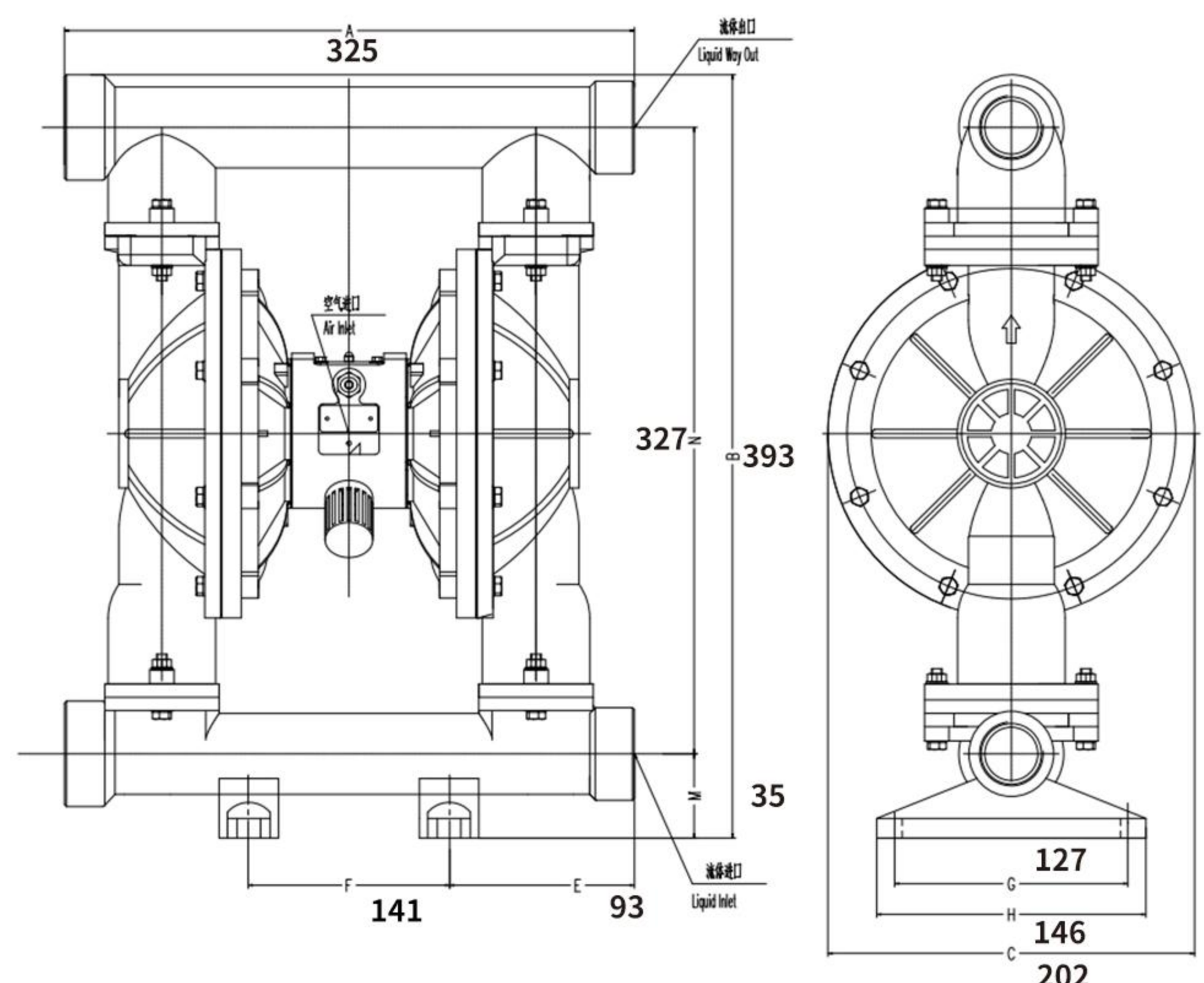
1-1/2 in

## 性能曲线图Performance graph



## 安装尺寸图Installation Dimension Drawing

单位:mm  
unit:mm



zxΦb  
4XΦ12

# QBY3-32 QBY3-40



泵体材质：工程塑料、氟塑料

Pump body material: engineering plastics, fluoroplastics

## 技术参数 technical parameter

最大工作压力Max. working pressure  
 最大工作流量Max. working flow  
 最大往复速度Max. reciprocating speed  
 最大虹吸高度Max. siphon height  
 最大输送固体颗粒Max. conveying solid particles  
 最大空气消耗量Ma. air consumption  
 空气进口尺寸Air inlet size  
 流体进口尺寸Fluid inlet size  
 流体出口尺寸Fluid outlet size

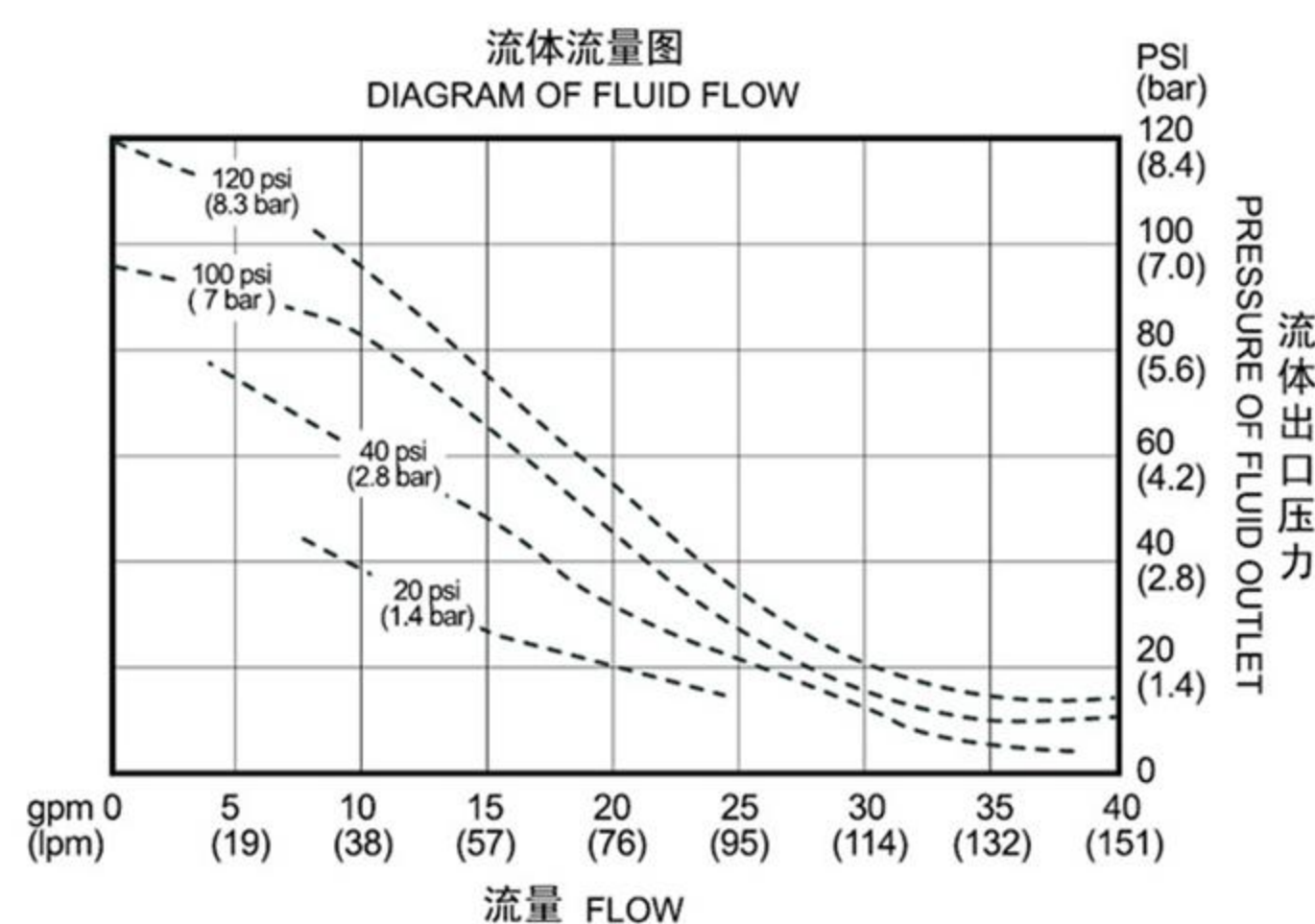
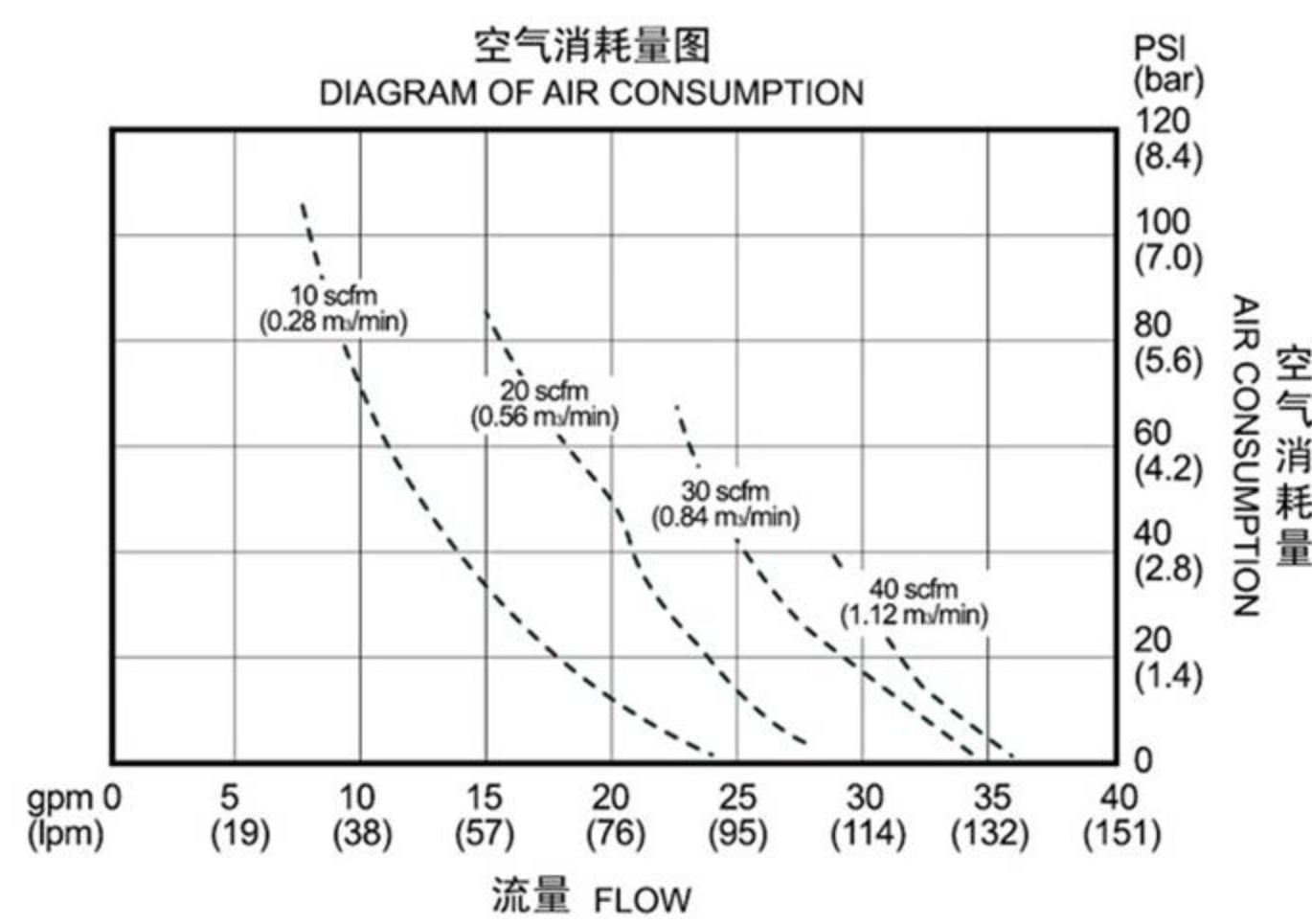
### QBY3-32

120psi (0.84Mpa, 8.4bar)  
 40gpm (150 lpm)  
 276cpm  
 18ft (5.0m)  
 1/8in (3.5mm)  
 45scfm (22L/S)  
 1/2in.npt(f)  
 1-1/4in  
 1-1/4in

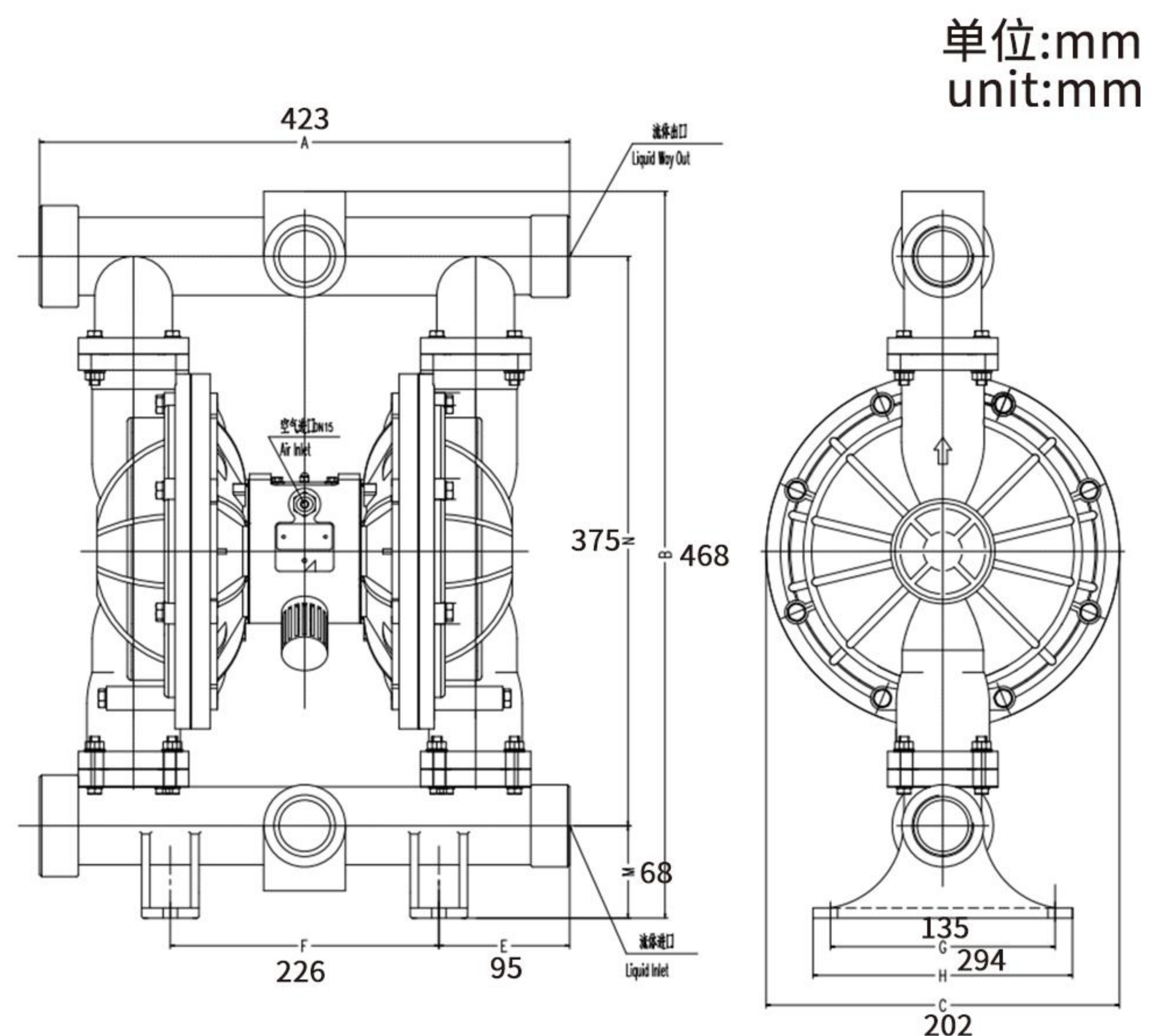
### QBY3-40

120psi (0.84Mp, 8.4bar)  
 40gpm (150 lpm)  
 276cpm  
 18ft (5.0m)  
 1/8in (3.5mm)  
 45scfm (22L/S)  
 1/2in.npt(f)  
 1-1/2 in  
 1-1/2 in

## 性能曲线图 Performance graph



## 安装尺寸图 Installation Dimension Drawing



zxΦb  
 4XΦ12



# QBY3-50 QBY3-65



泵体材质：铸铁、铝合金、不锈钢（304,316,316L）

Pump body material: Cast iron、aluminum alloy、stainless steel (304,316,316L)

## 技术参数technical parameter

最大工作压力Max. working pressure  
 最大工作流量Max. working flow  
 最大往复速度Max. reciprocating speed  
 最大虹吸高度Max. siphon height  
 最大输送固体颗粒Max. conveying solid particles  
 最大空气消耗量Ma. air consumption  
 空气进口尺寸Air inlet size  
 流体进口尺寸Fluid inlet size  
 流体出口尺寸Fluid outlet size

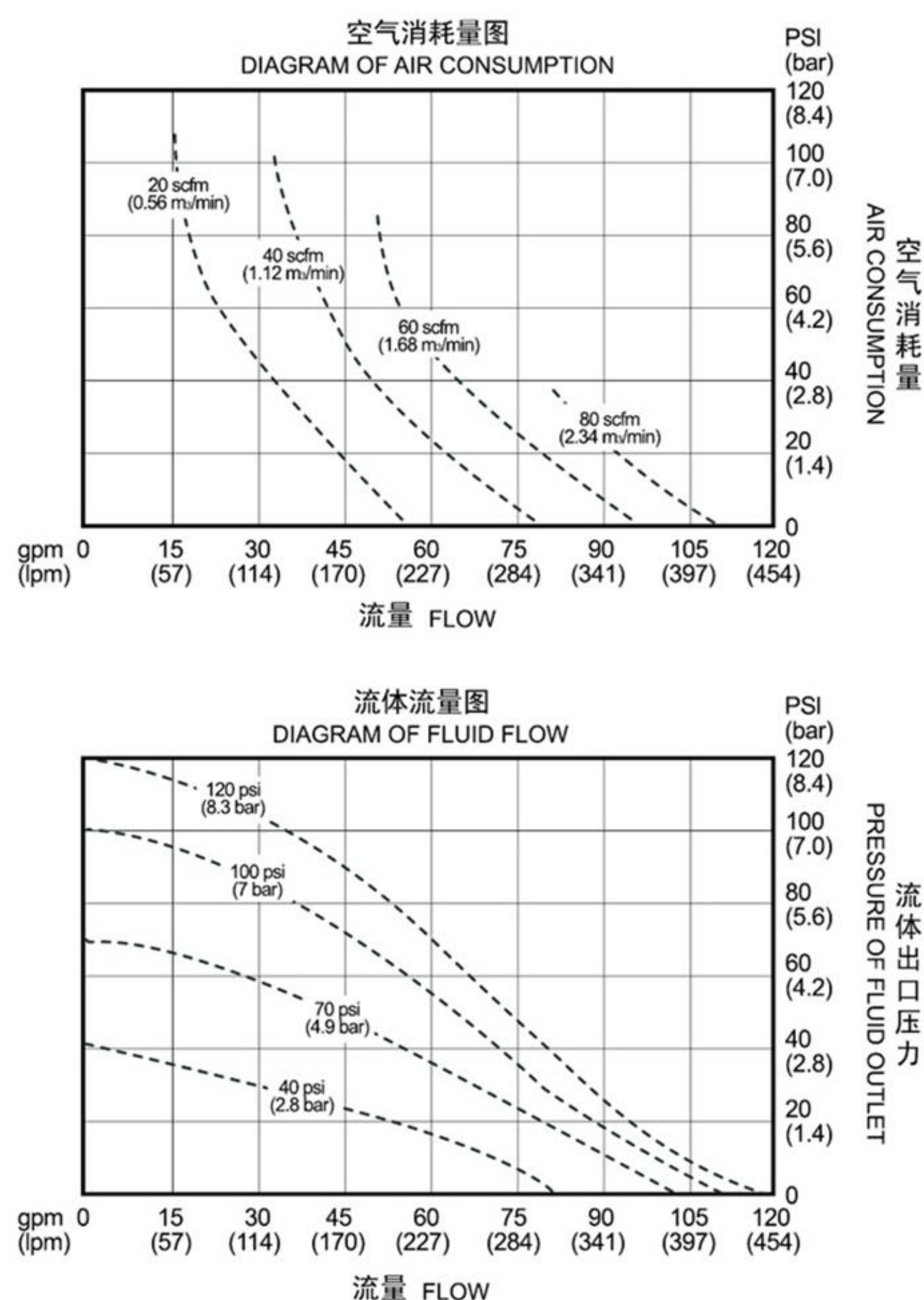
### QBY3-50

120psi (0.84Mpa, 8.4bar)  
 100gpm (378 lpm)  
 276cpm  
 18ft (5.0m)  
 3/16 in (5mm)  
 80scfm (40L/S)  
 1/2 in.npt(f)  
 2 in  
 2 in

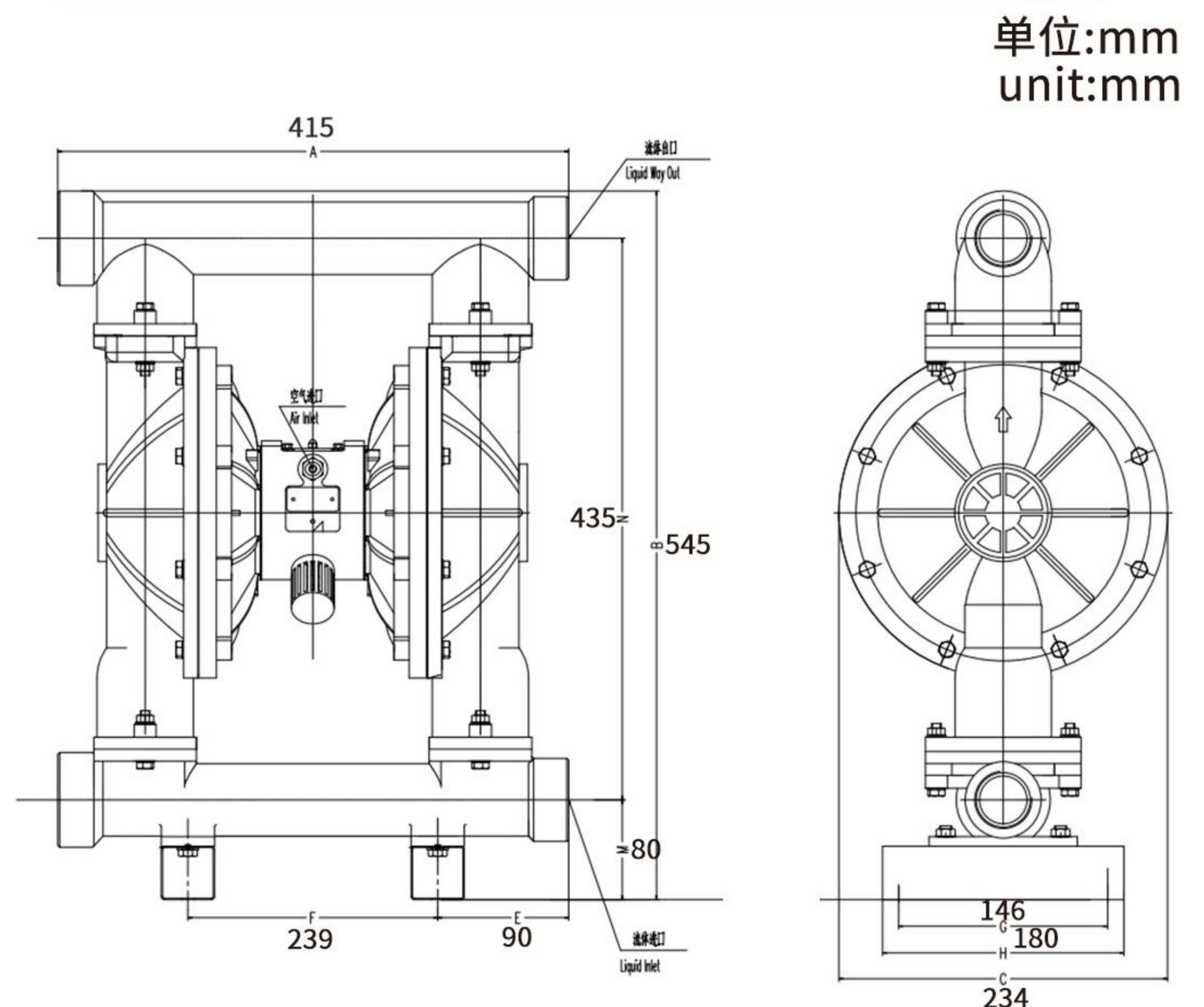
### QBY3-65

120psi(0.84Mp, 8.4bar)  
 100 gpm (378 lpm)  
 276cpm  
 18ft (5.0m)  
 3/16 in (5mm)  
 80scfm (40L/S)  
 1/2 in.npt(f)  
 2-1/2 in  
 2-1/2 in

## 性能曲线图Performance graph

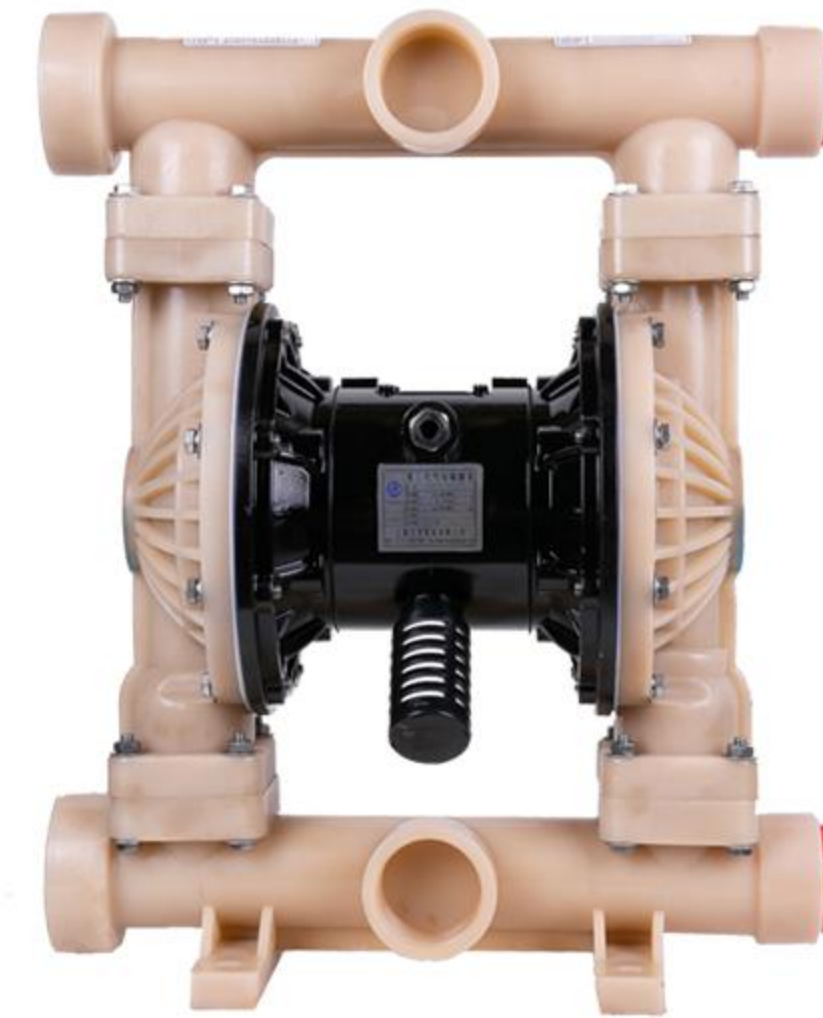


## 安装尺寸图Installation Dimension Drawing





# QBY3-50 QBY3-65



**泵体材质：工程塑料、 氟塑料**

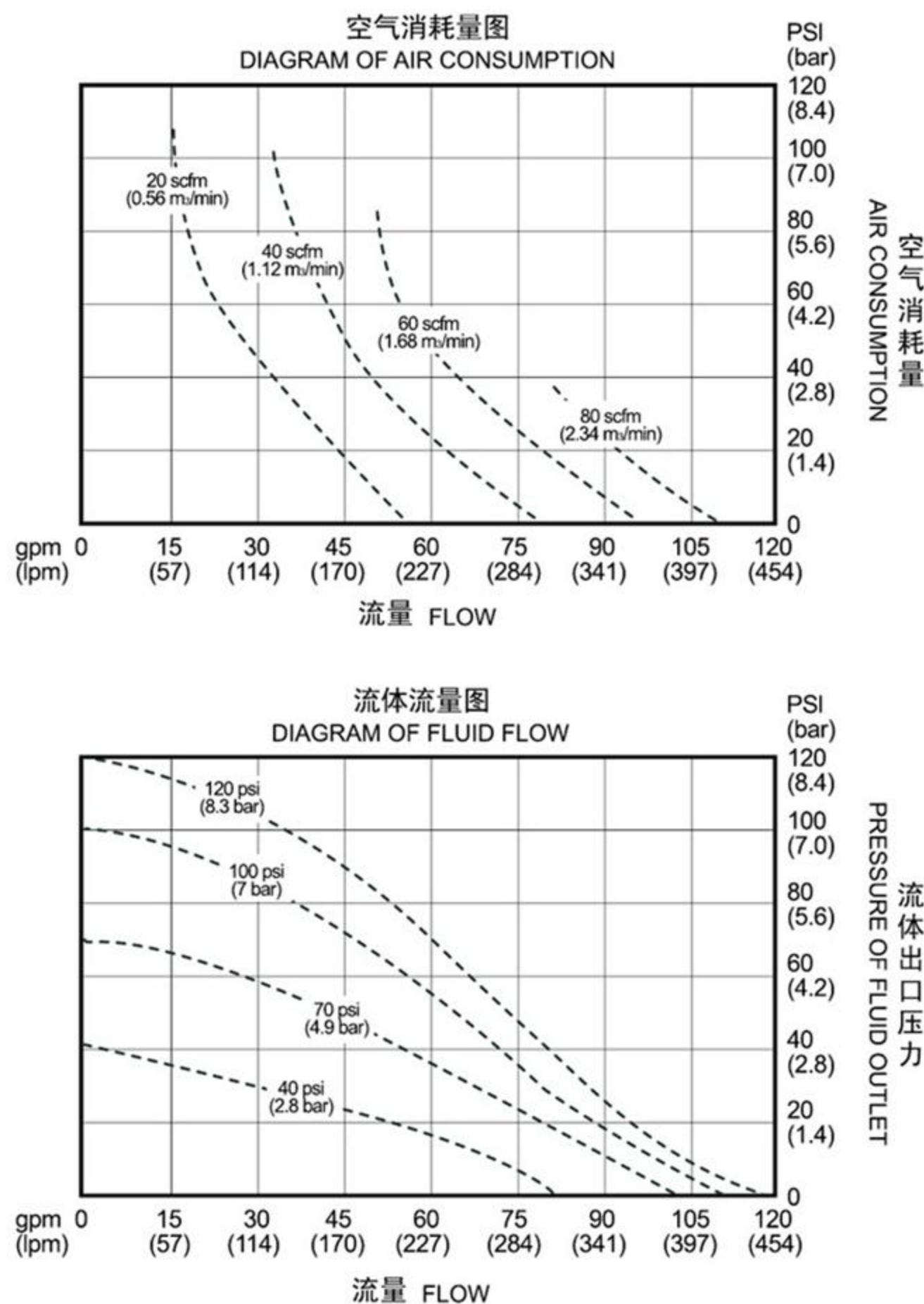
**Pump body material: engineering plastics、 fluoroplastics**

**技术参数technical parameter**

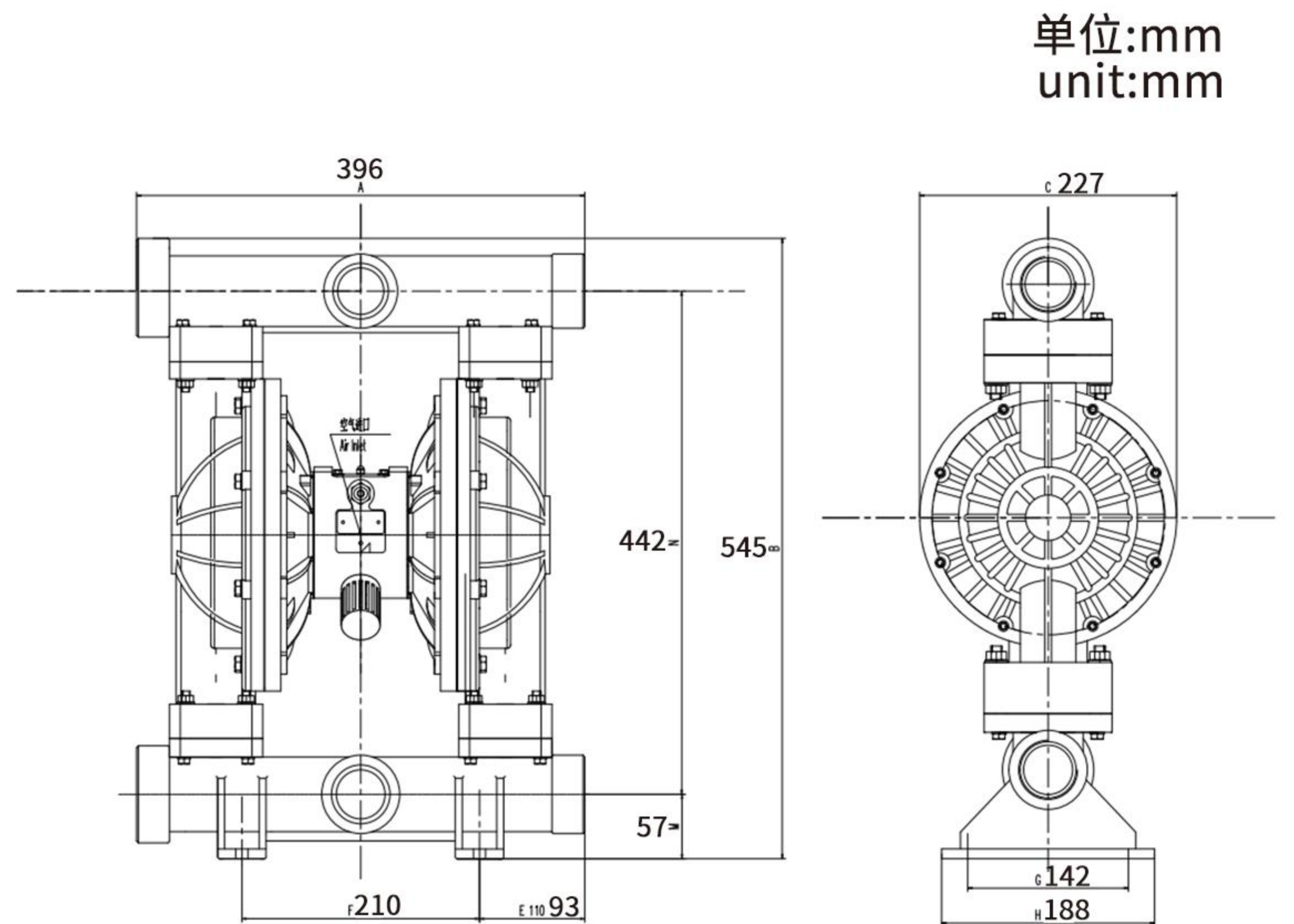
- 最大工作压力Max. working pressure
- 最大工作流量Max. working flow
- 最大往复速度Max. reciprocating speed
- 最大虹吸高度Max. siphon height
- 最大输送固体颗粒Max. conveying solid particles
- 最大空气消耗量Ma. air consumption
- 空气进口尺寸Air inlet size
- 流体进口尺寸Fluid inlet size
- 流体出口尺寸Fluid outlet size

	QBY3-50	QBY3-65
最大工作压力Max. working pressure	120psi (0.84Mpa, 8.4bar)	120psi(0.84Mp, 8.4bar)
最大工作流量Max. working flow	100gpm (378 lpm)	100 gpm (378 lpm)
最大往复速度Max. reciprocating speed	276cpm	276cpm
最大虹吸高度Max. siphon height	18ft (5.0m)	18ft (5.0m)
最大输送固体颗粒Max. conveying solid particles	3/16 in (5mm)	3/16 in (5mm)
最大空气消耗量Ma. air consumption	80scfm (40L/S)	80scfm (40L/S)
空气进口尺寸Air inlet size	1/2 in.npt(f)	1/2 in.npt(f)
流体进口尺寸Fluid inlet size	2 in	2-1/2 in
流体出口尺寸Fluid outlet size	2 in	2-1/2 in

**性能曲线图Performance graph**



**安装尺寸图Installation Dimension Drawing**



zxΦb  
4XΦ12



# QBY3-80 QBY3-100



泵体材质：铸铁、铝合金、不锈钢（304,316,316L）

Pump body material: Cast iron、aluminum alloy、stainless steel (304,316,316L)

## 技术参数technical parameter

最大工作压力Max. working pressure  
 最大工作流量Max. working flow  
 最大往复速度Max. reciprocating speed  
 最大虹吸高度Max. siphon height  
 最大输送固体颗粒Max. conveying solid particles  
 最大空气消耗量Ma. air consumption  
 空气进口尺寸Air inlet size  
 流体进口尺寸Fluid inlet size  
 流体出口尺寸Fluid outlet size

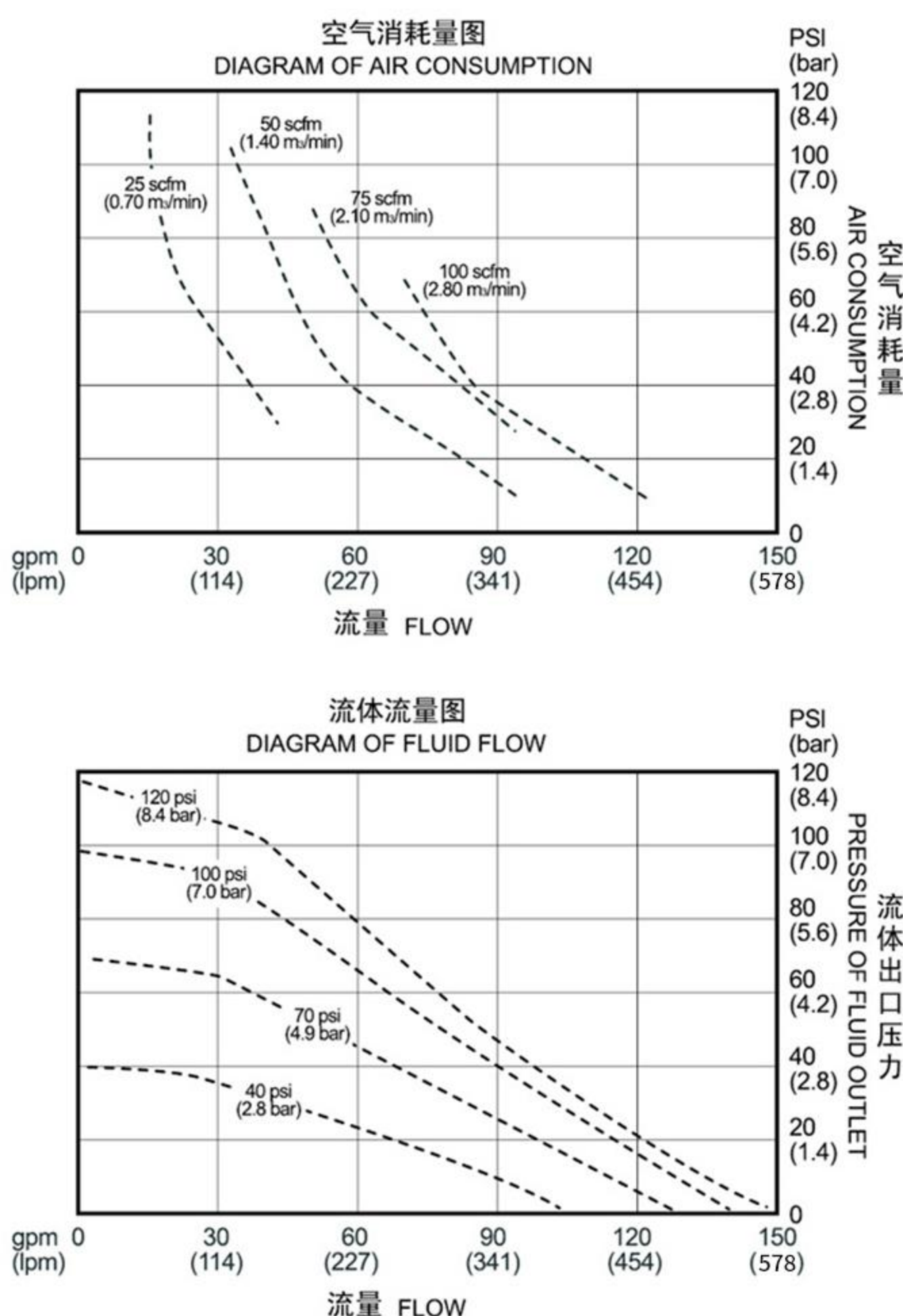
### QBY3-80

120psi (0.84Mpa, 8.4bar)  
 150gpm (568 lpm)  
 145cpm  
 18ft (5.0m)  
 1/4 in (6.5mm)  
 140scfm (70L/S)  
 1/2 in.npt(f)  
 3 in  
 3 in

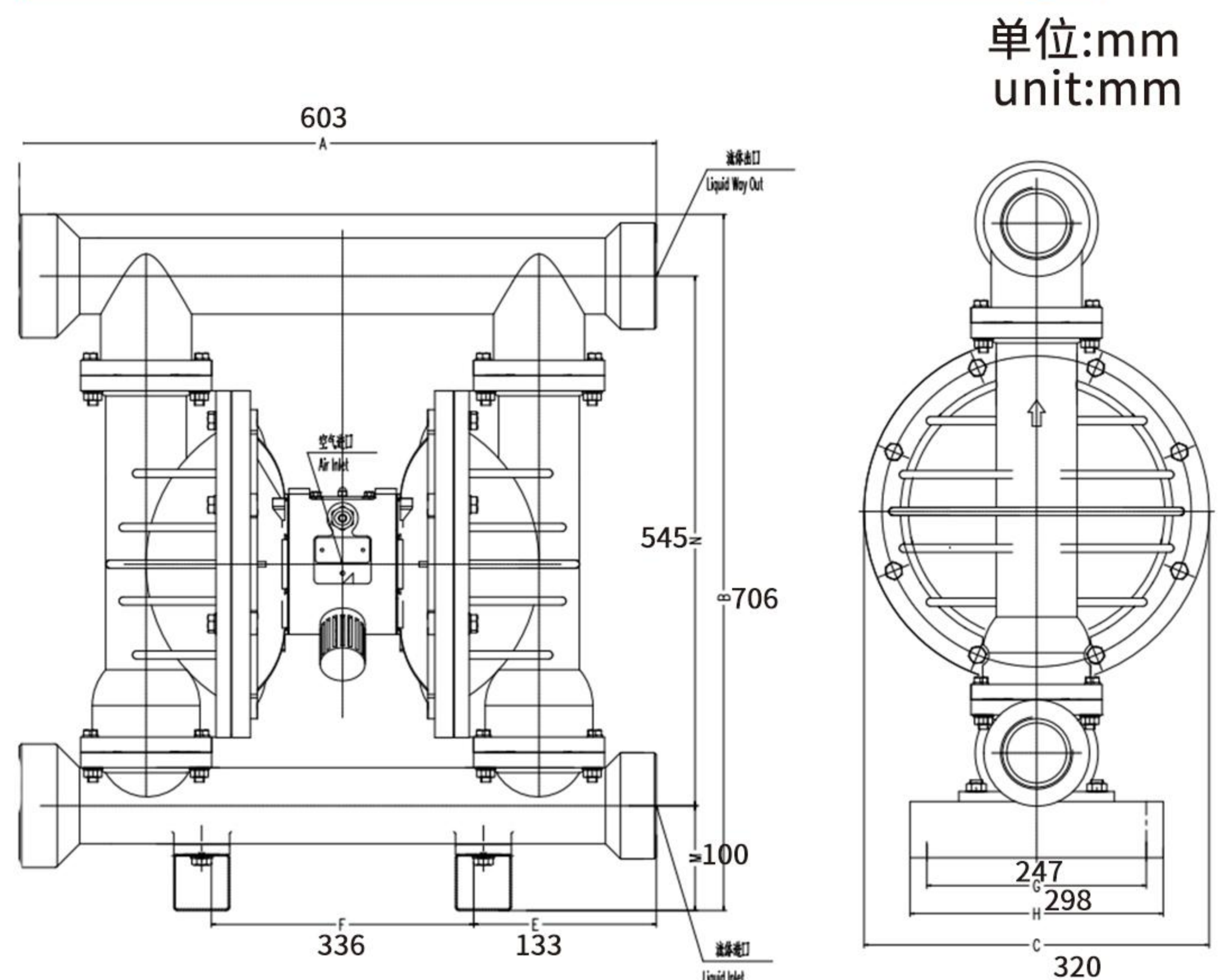
### QBY3-100

120psi (0.84Mp, 8.4bar)  
 150gpm (568 lpm)  
 145cpm  
 18ft (5.0m)  
 1/4 in (6.5mm)  
 140scfm (70L/S)  
 1/2 in.npt(f)  
 4 in  
 4 in

## 性能曲线图Performance graph



## 安装尺寸图Installation Dimension Drawing



zxΦb  
 4XΦ18

# QBY3-80 QBY3-100



**泵体材质：工程塑料、 氟塑料**

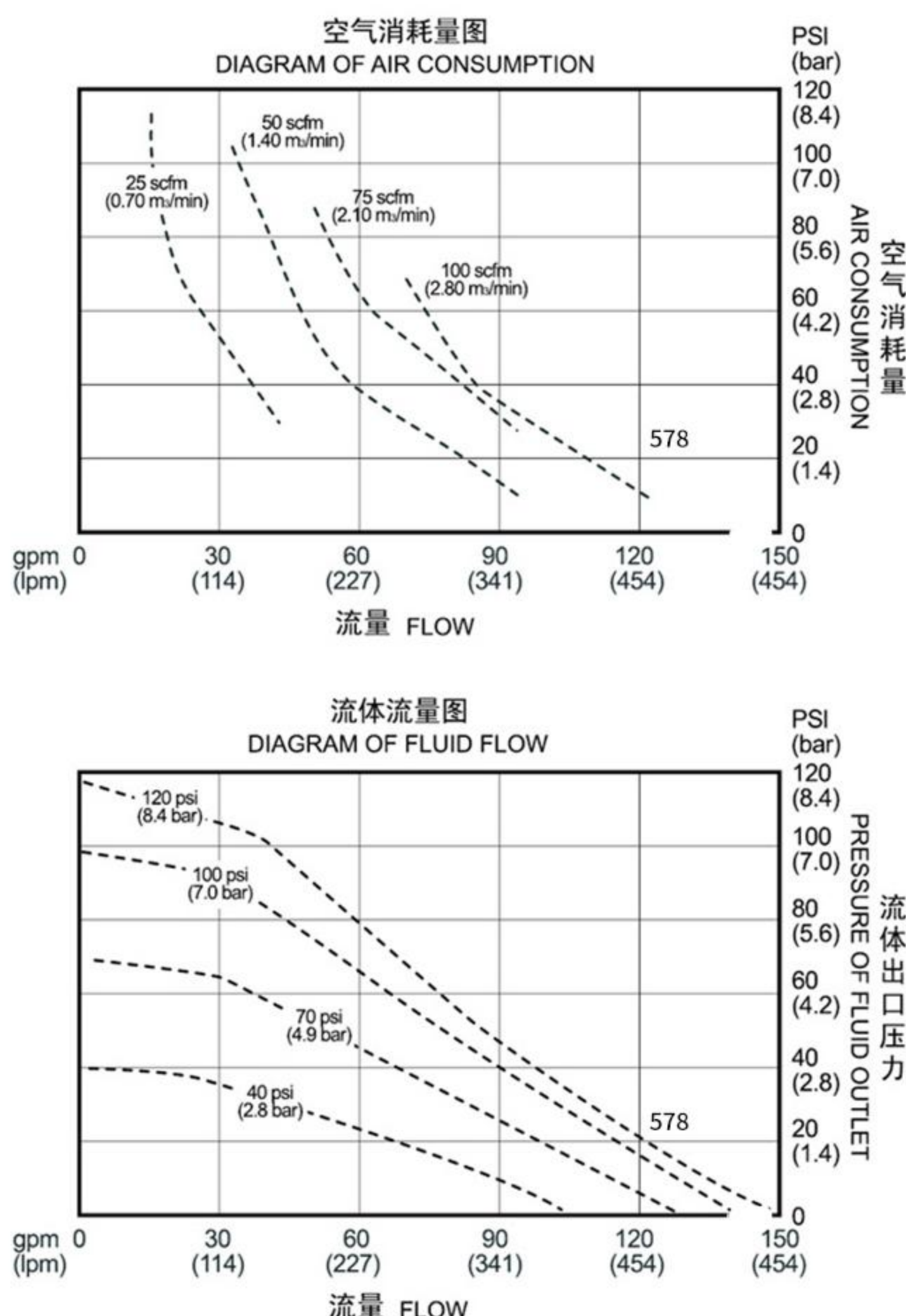
**Pump body material: engineering plastics、 fluoroplastics**

**技术参数technical parameter**

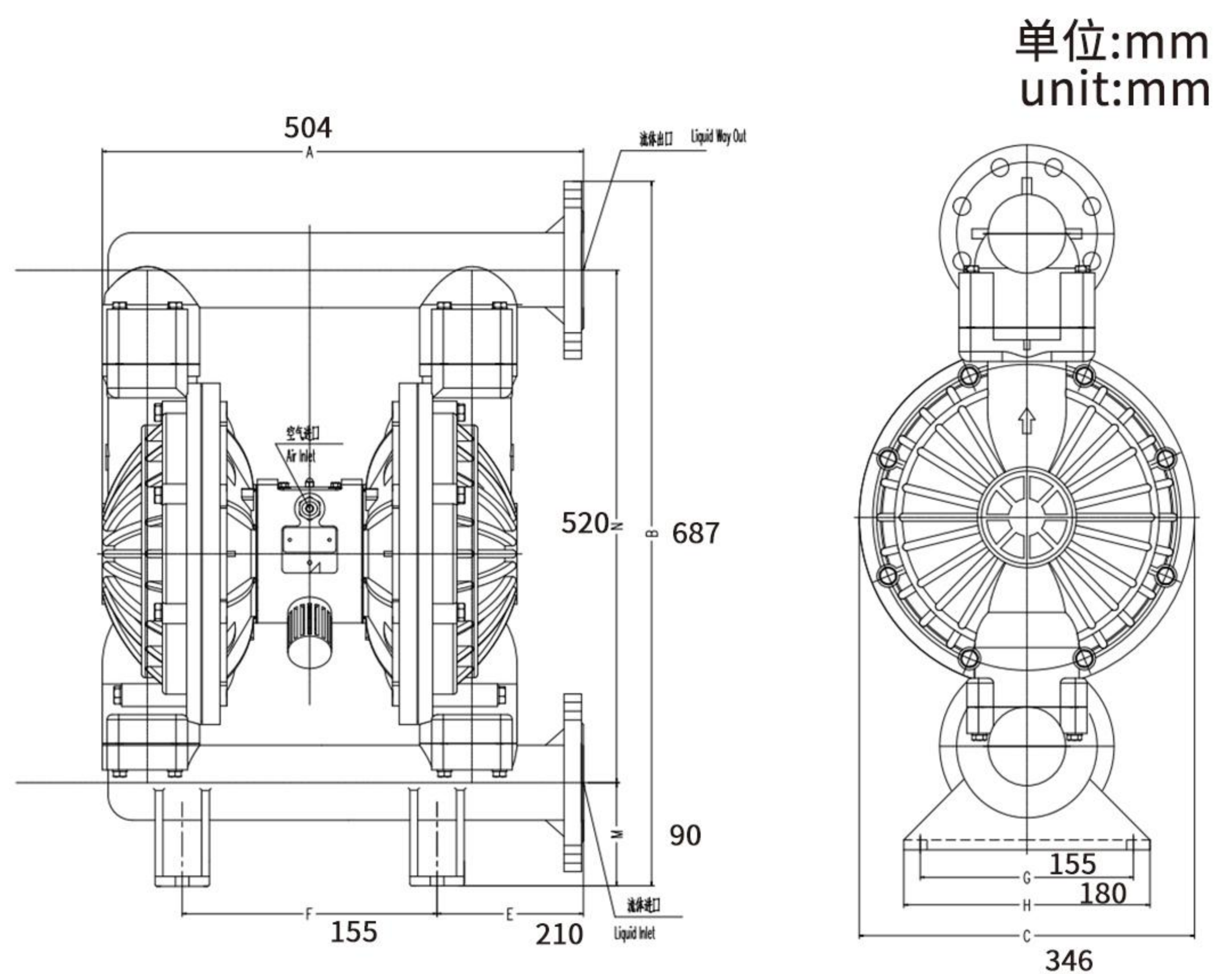
- 最大工作压力Max. working pressure
- 最大工作流量Max. working flow
- 最大往复速度Max. reciprocating speed
- 最大虹吸高度Max. siphon height
- 最大输送固体颗粒Max. conveying solid particles
- 最大空气消耗量Ma. air consumption
- 空气进口尺寸Air inlet size
- 流体进口尺寸Fluid inlet size
- 流体出口尺寸Fluid outlet size

	QBY3-80	QBY3-100
最大工作压力Max. working pressure	120psi (0.84Mpa, 8.4bar)	120psi (0.84Mp, 8.4bar)
最大工作流量Max. working flow	150gpm (568 lpm)	150gpm (568 lpm)
最大往复速度Max. reciprocating speed	145cpm	145cpm
最大虹吸高度Max. siphon height	18ft (5.0m)	18ft (5.0m)
最大输送固体颗粒Max. conveying solid particles	1/4 in (6.5mm)	1/4 in (6.5mm)
最大空气消耗量Ma. air consumption	140scfm (70L/S)	140scfm (70L/S)
空气进口尺寸Air inlet size	1/2 in.npt(f)	1/2 in.npt(f)
流体进口尺寸Fluid inlet size	3 in	4 in
流体出口尺寸Fluid outlet size	3 in	4 in

**性能曲线图Performance graph**



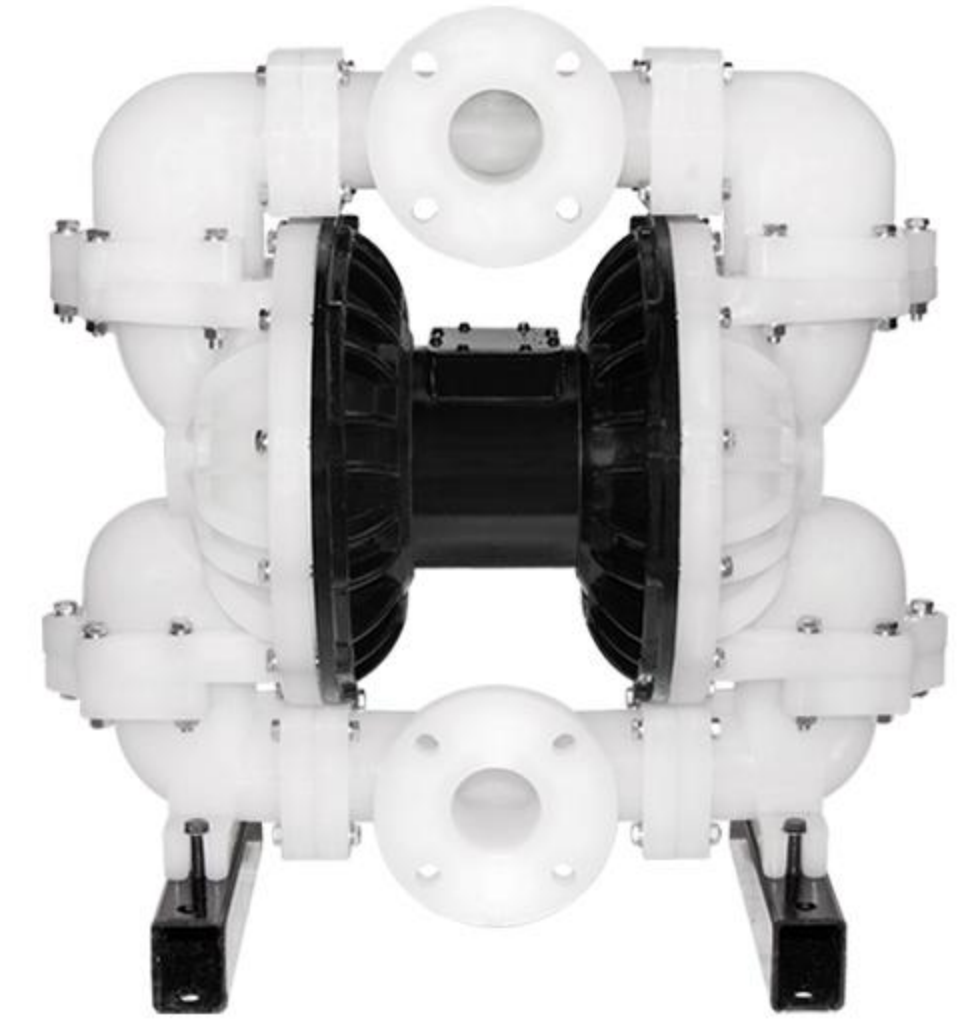
**安装尺寸图Installation Dimension Drawing**



zxΦb  
4XΦ16



# QBY3-125



泵体材质：铸铁、铝合金、不锈钢（304,316,316L）、工程塑料

Pump body material: Cast iron、 aluminum alloy、 stainless steel (304,316,316L)、 engineering plastic

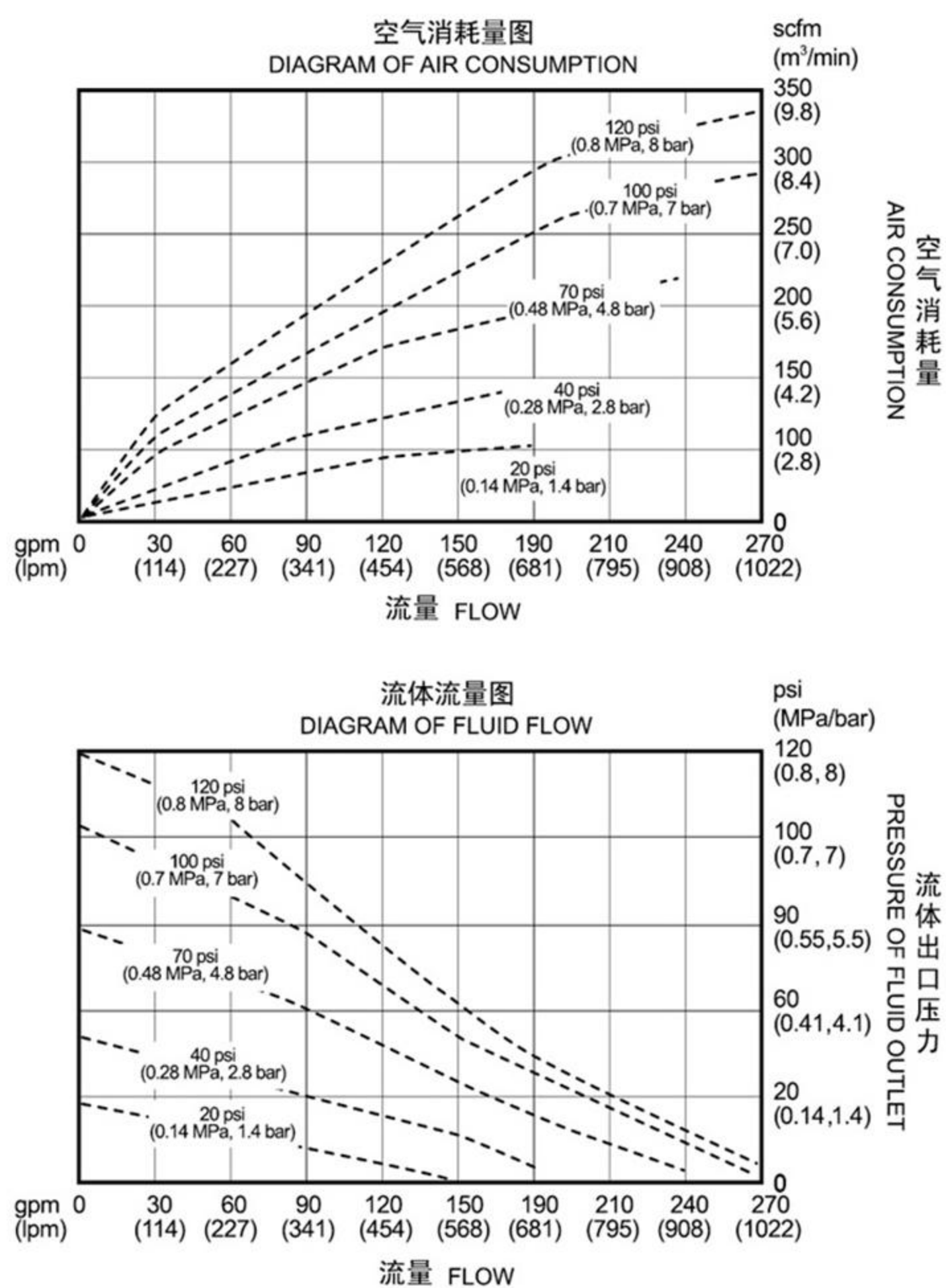
## 技术参数technical parameter

### QBY3-125

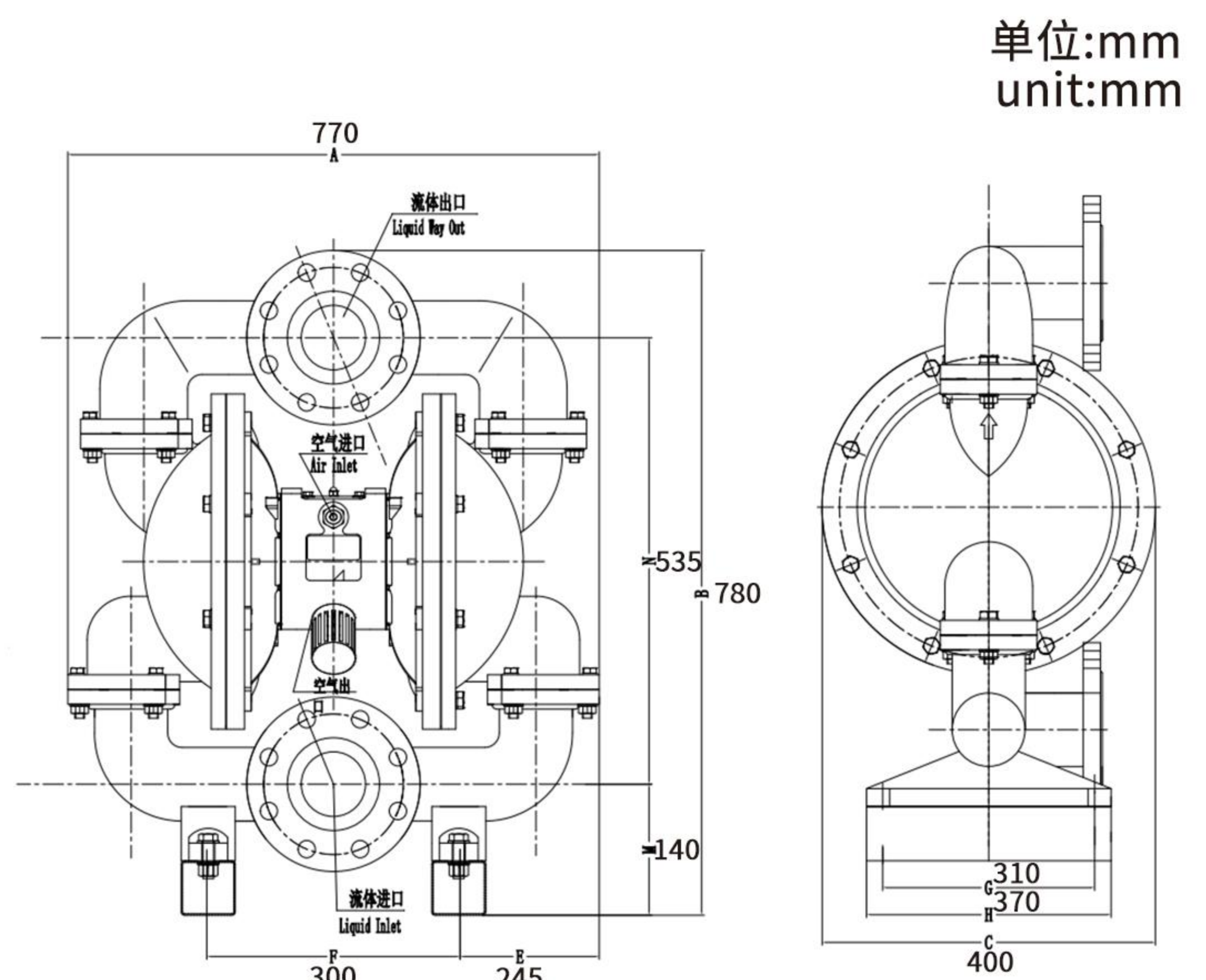
最大工作压力Max. working pressure  
 最大工作流量Max. working flow  
 最大往复速度Max. reciprocating speed  
 最大虹吸高度Max. siphon height  
 最大输送固体颗粒Max. conveying solid particles  
 最大空气消耗量Ma. air consumption  
 空气进口尺寸Air inlet size  
 流体进口尺寸Fluid inlet size  
 流体出口尺寸Fluid outlet size

120psi (0.84Mpa, 8.4bar)  
 275gpm (1040 lpm)  
 135cpm  
 22ft (6.0m)  
 3/8 in (9.5mm)  
 180scfm (90L/S)  
 3/4 in.npt(f)  
 5 in  
 5 in

## 性能曲线图Performance graph



## 安装尺寸图Installation Dimension Drawing





泵体材质：钢衬四氟

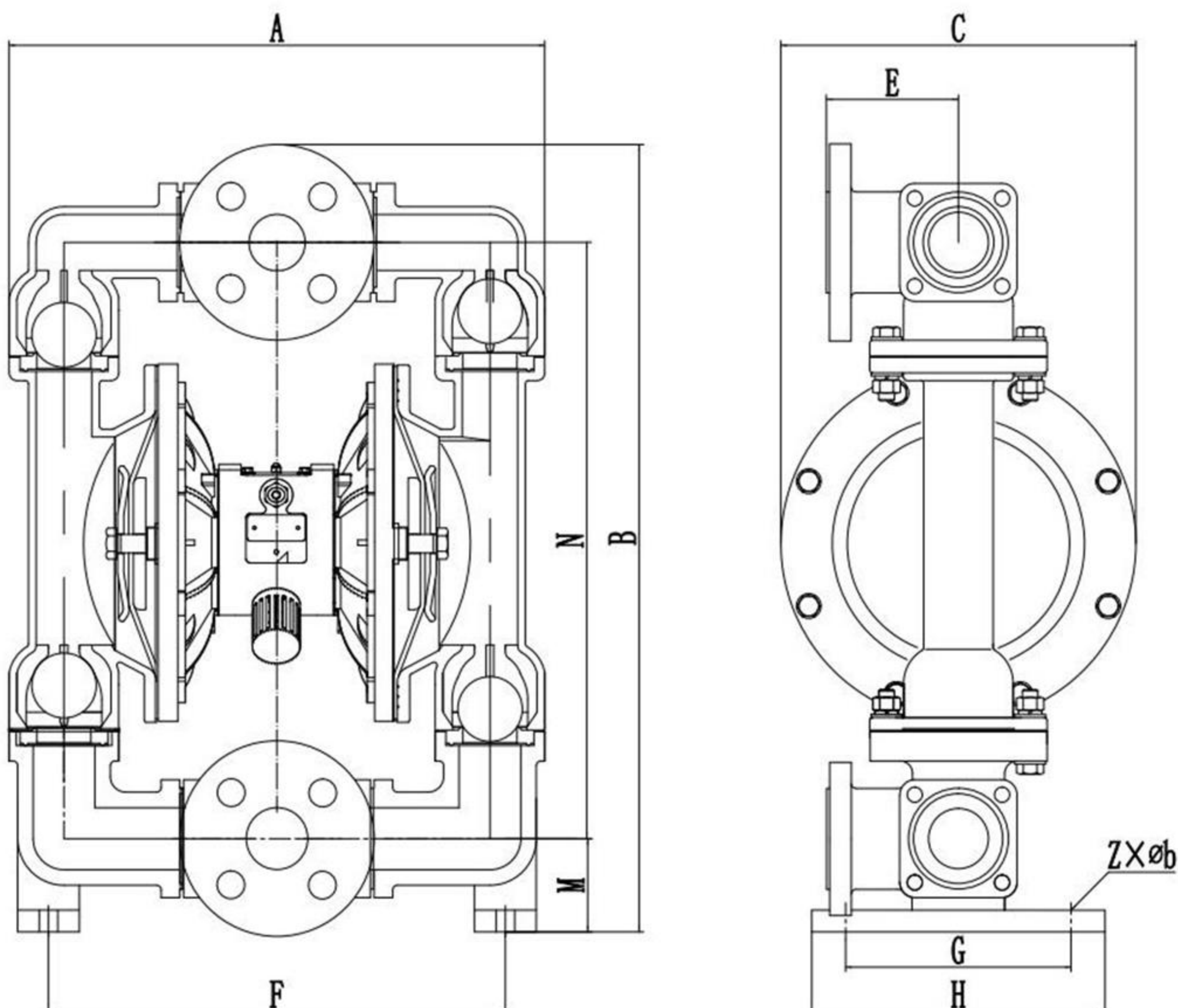
Pump body material: Steel lined PTFE

技术参数technical parameter

型号	进出口径	最大流量	最大扬程	最大吸程	出口压力	通过颗粒	最高温度	入气口径	耗气量	空压机推荐
		(m <sup>3</sup> /H)	(m)	(m)	(kg)	(mm)	℃	(in)	(m <sup>3</sup> /min)	(kw)
QBY3-40CF	DN40	9	70	5	7	4	150	1/2	0.67	5.5
QBY3-50CF	DN50	20	70	5	7	5	150	1/2	0.9	7.5
QBY3-65CF	DN65	20	70	5	7	5	150	1/2	0.9	7.5
QBY3-80CF	DN80	34	70	5	7	8	150	1/2	1.5-2.0	11-15
QBY3-100CF	DN100	34	70	5	7	8	150	1/2	1.5-2.0	11-15

安装尺寸图Installation Dimension Drawing

单位:mm  
unit:mm



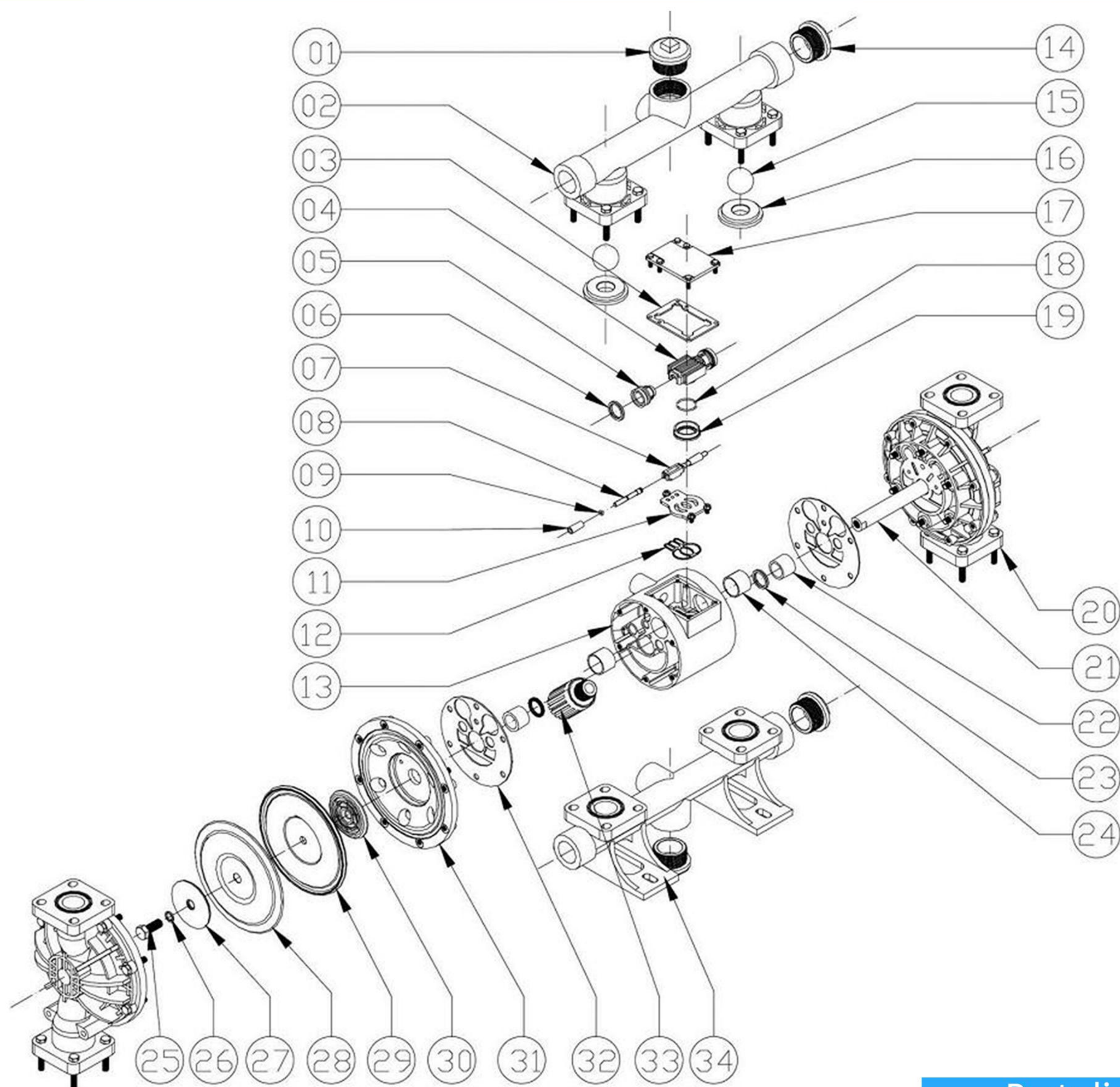
外形图仅作参考 Outline drawing for reference only

外形尺寸 External Dimensions										
	A	B	C	M	N	E	F	G	H	ZXøb
QBY3-40CF	415	527	235	73	405	88	330	146	180	4Xø12
QBY3-50CF	495	755	345	105	570	85	300	220	298	4Xø14
QBY3-65CF	495	765	345	105	570	85	300	220	298	4Xø14
QBY3-80CF	574	902	455	105	697	120	360	240	320	4Xø18
QBY3-100CF	574	912	455	105	697	120	360	240	320	4Xø18



# QBY3爆炸图

QBY3 BLAST PATTERN



Parts list 零部件明细表

序号NO.	名称NAME	序号NO.	名称NAME	序号NO.	名称NAME	序号NO.	名称NAME
1	堵头 Plug	2	出料口(上盖) Discharge manifold	3	气阀盖垫片 Gasket	4	大滑块铝件 Slide block
5	活塞 Piston	6	V型圈 V-ring	7	小滑块 Slide block	8	助动杆 Push pole
9	助动杆O型圈 O-ring	10	助动杆套 Push pole jacket	11	引导块 Guide block	12	引导块垫片 Gasket
13	气阀室 Valve cage	14	堵头 Plug	15	球阀 Ball valve	16	球座 Seat
17	气阀室盖 Cover	18	大滑块O型圈 O-ring	19	大滑块塑料件 Plastic slide block	20	立柱 Stand column
21	连杆轴 Connection rod shaft	22	连杆轴套 Connecting rod sleeve	23	V型圈 V-ring	24	活塞套 Piston bush
25	夹板螺丝 Screw	26	外夹O型圈 O-ring	27	外夹板 Outside plate	28	四氟膜片 Teflon diaphragm
29	聚胶膜片 Rubber diaphragm	30	内夹板 Inner plate	31	隔排 Clapboard	32	气阀室垫片 Gasket
33	消声器 Muffle	34	进料口(下盖) Suction manifold				

# QBY4-20 QBY4-25



泵体材质：铸铁、铝合金、不锈钢（304,316,316L）

Pump body material: Cast iron、aluminum alloy、Stainless steel (304,316,316L)

## 技术参数technical parameter

最大工作压力Max. working pressure  
 最大工作流量Max. working flow  
 最大往复速度Max. reciprocating speed  
 最大虹吸高度Max. siphon height  
 最大输送固体颗粒Max. conveying solid particles  
 最大空气消耗量Ma. air consumption  
 空气进口尺寸Air inlet size  
 流体进口尺寸Fluid inlet size

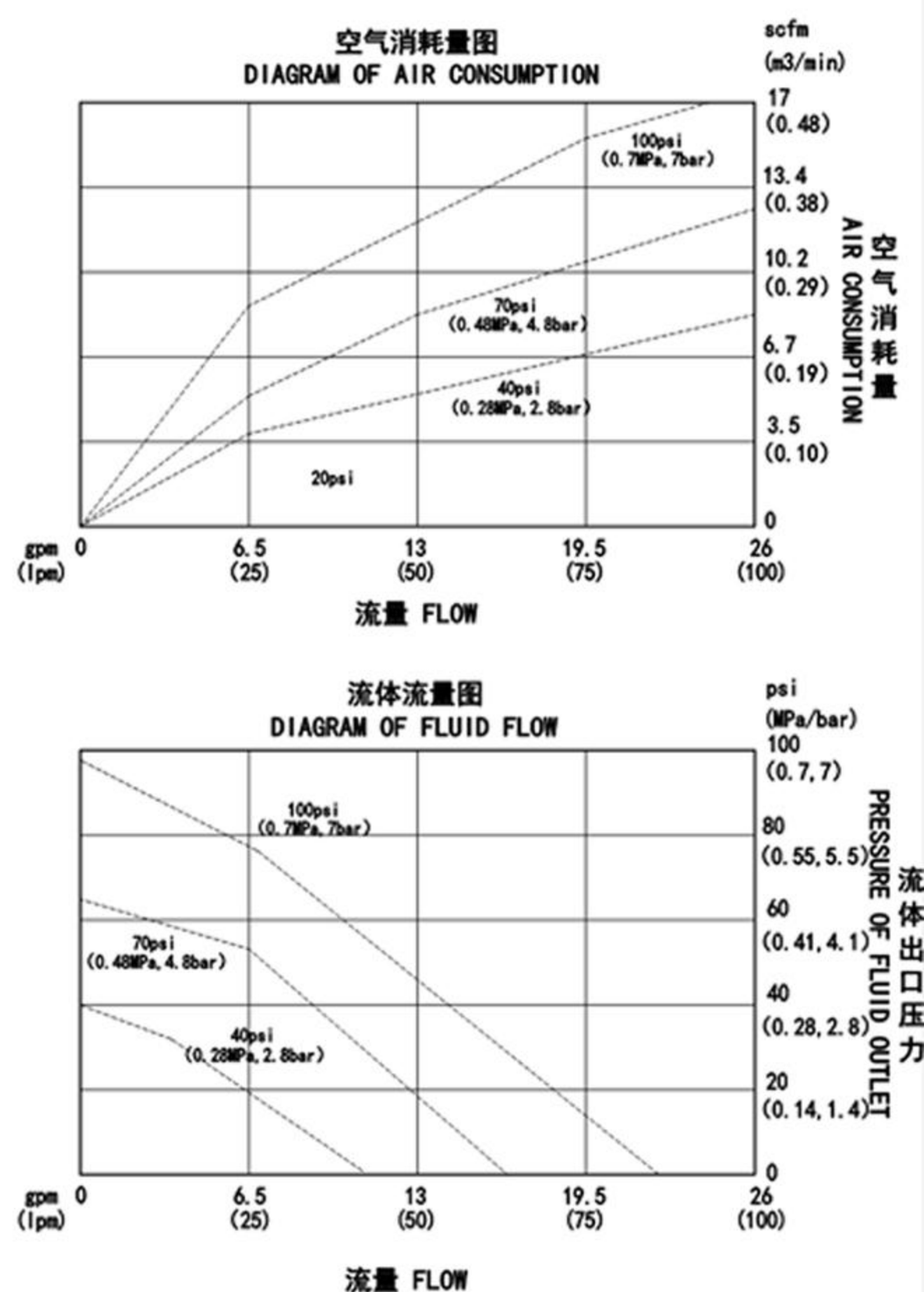
### QBY4-20

100psi (0.7Mpa, 7bar)  
 22gpm (83 lpm)  
 400cpm  
 15ft (4.5m)  
 3/32in (2.5mm)  
 28scfm (15L/S)  
 1/4in.npt(f)  
 3/4in

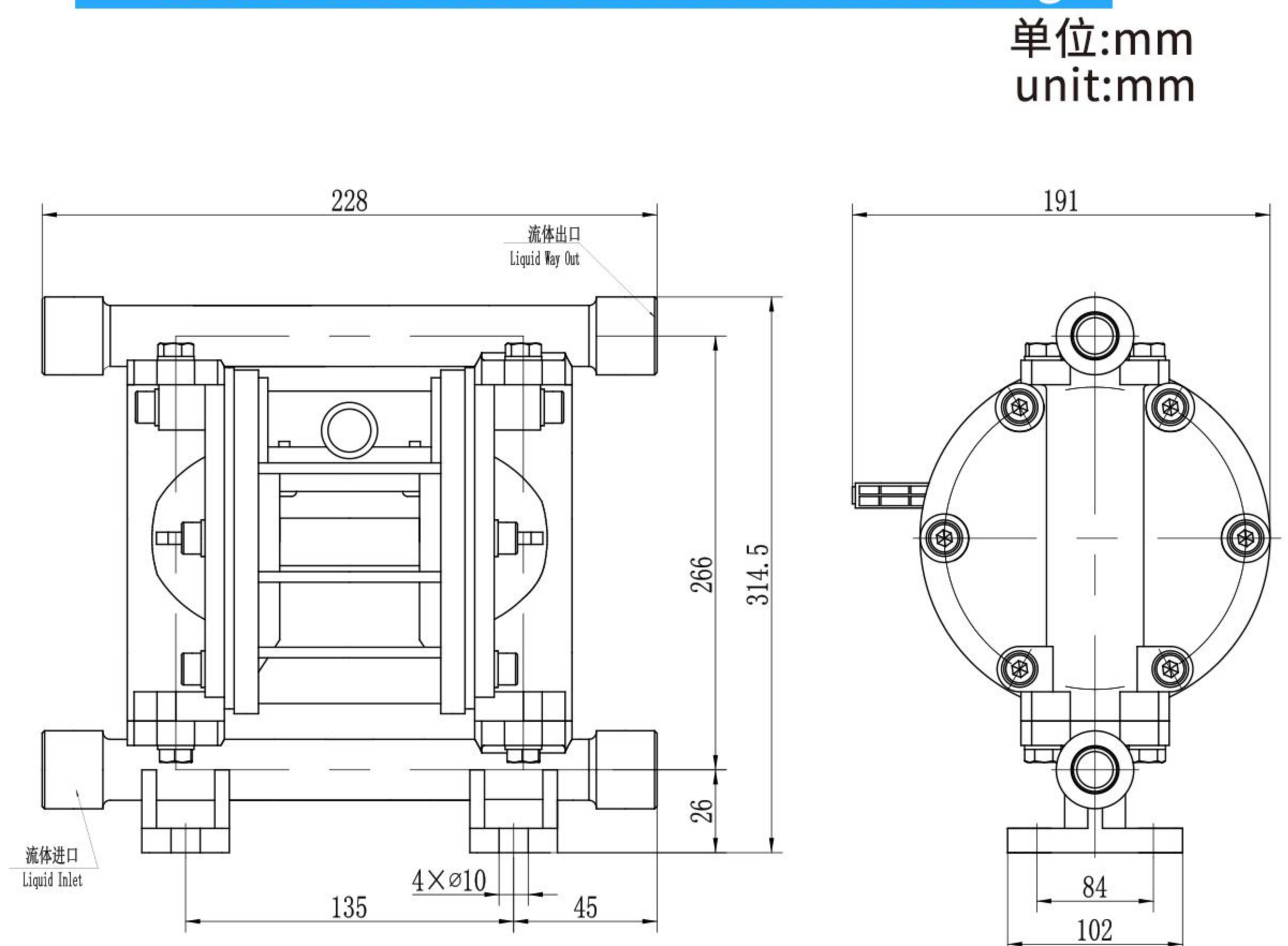
### QBY4-25

100psi (0.7Mpa, 7bar)  
 22gpm (83 lpm)  
 400cpm  
 15ft (4.5m)  
 3/32in (2.5mm)  
 28scfm 15L/S)  
 1/4in.npt(f)  
 1 in

## 性能曲线图Performance graph

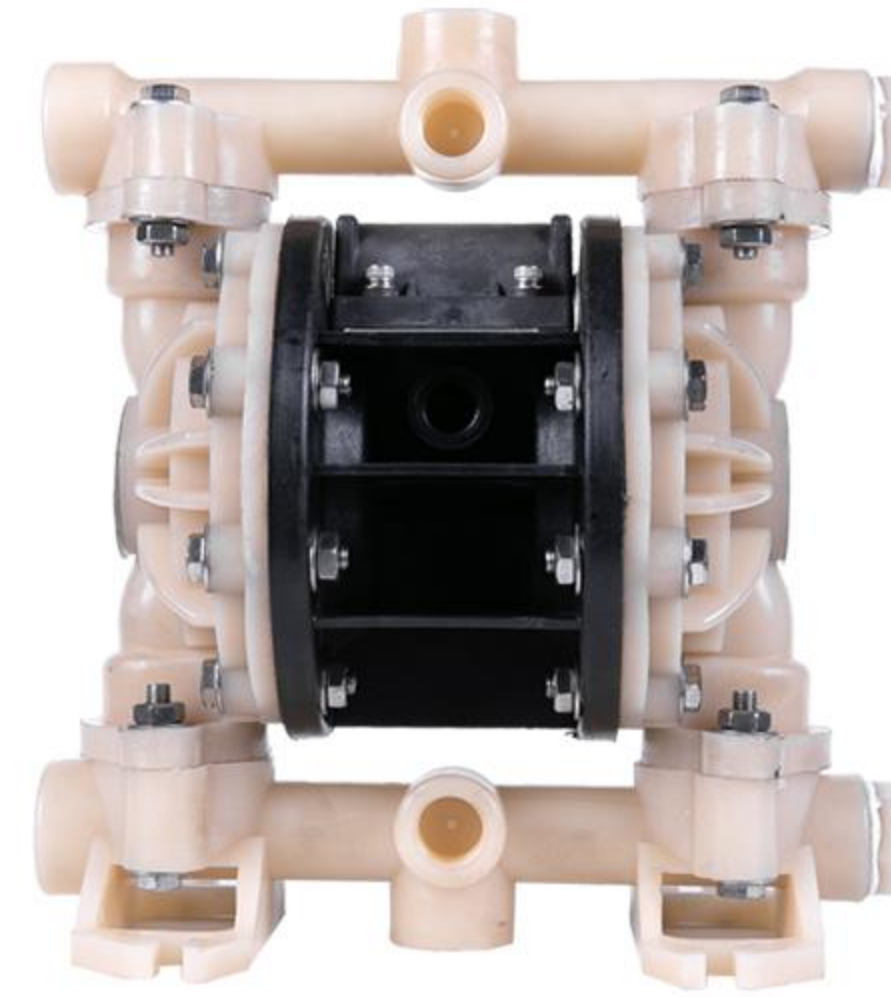


## 安装尺寸图Installation Dimension Drawing





# QBY4-20 QBY4-25



泵体材质：工程塑料、氟塑料

Pump body material: engineering plastics、Fluoroplastic

## 技术参数technical parameter

最大工作压力Max. working pressure  
 最大工作流量Max. working flow  
 最大往复速度Max. reciprocating speed  
 最大虹吸高度Max. siphon height  
 最大输送固体颗粒Max. conveying solid particles  
 最大空气消耗量Ma. air consumption  
 空气进口尺寸Air inlet size  
 流体进口尺寸Fluid inlet size  
 流体出口尺寸Fluid outlet size

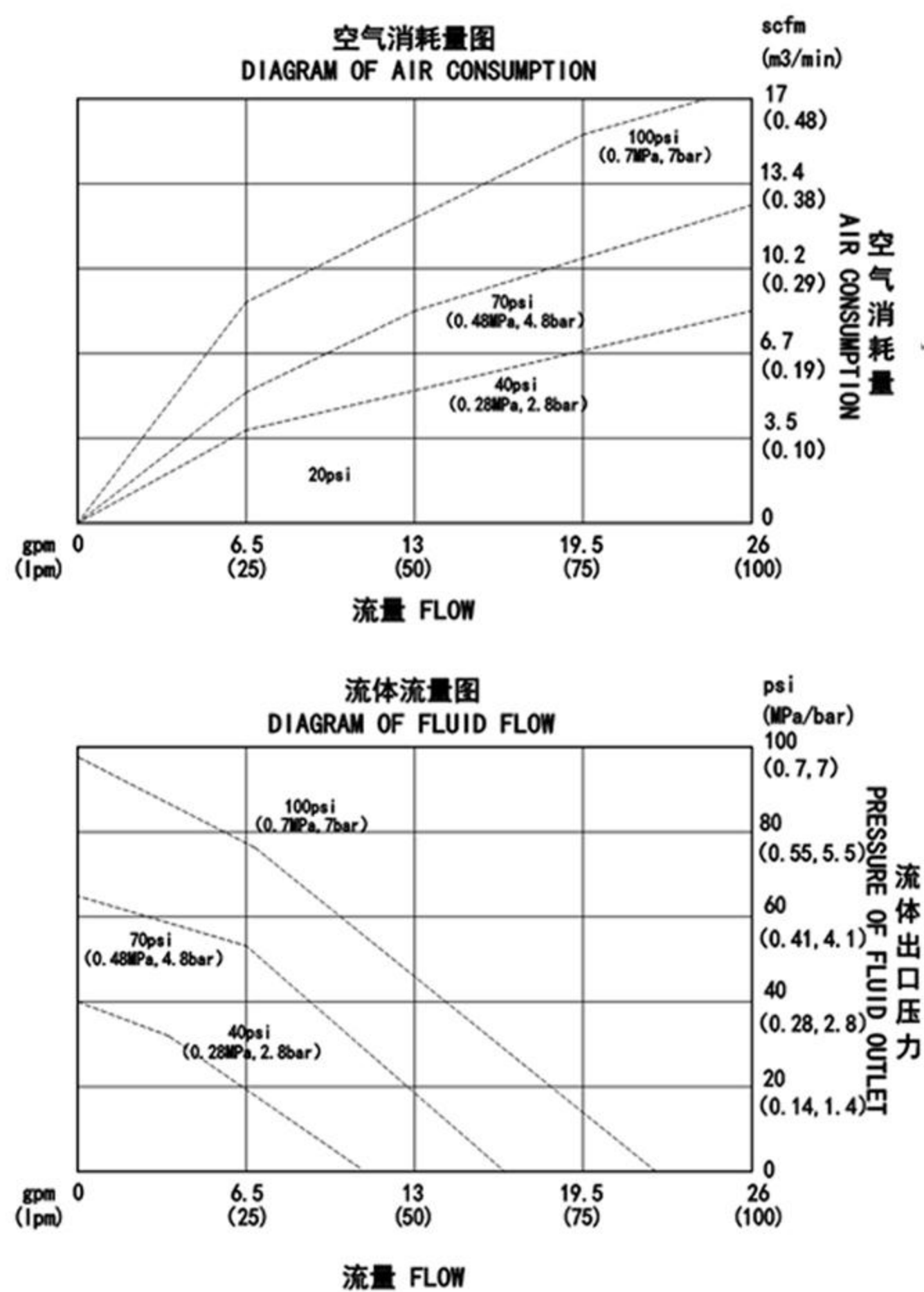
### QBY4-20

100psi (0.7Mpa, 7bar)  
 22gpm (83 lpm)  
 400cpm  
 15ft (4.5m)  
 3/32in (2.5mm)  
 28scfm (15L/S)  
 1/4in.npt(f)  
 3/4in  
 3/4in

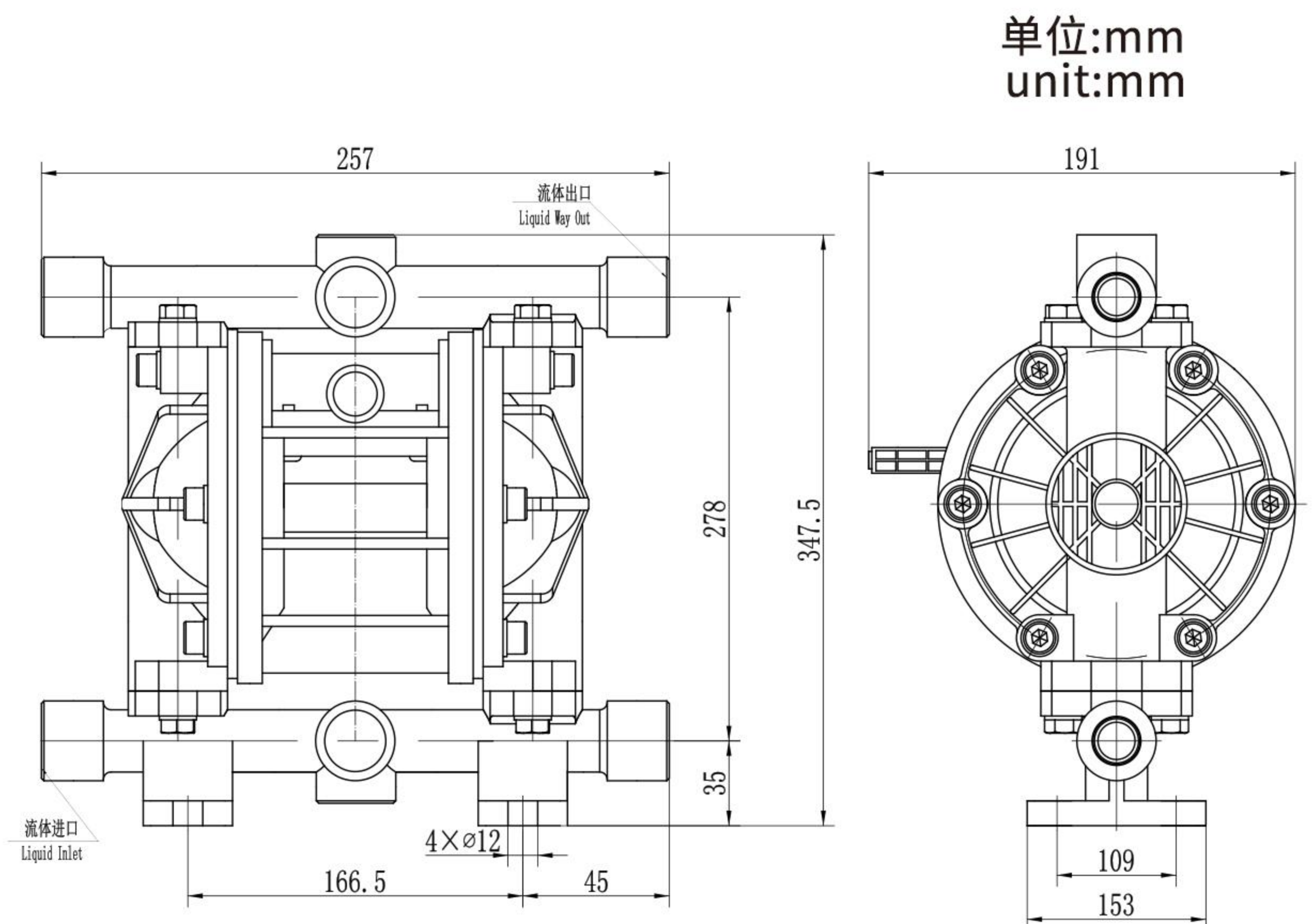
### QBY4-25

100psi (0.7Mpa, 7bar)  
 22gpm (83 lpm)  
 400cpm  
 15ft (4.5m)  
 3/32in (2.5mm)  
 28scfm 15L/S)  
 1/4in.npt(f)  
 1 in  
 1 in

## 性能曲线图Performance graph



## 安装尺寸图Installation Dimension Drawing





# QBY4-32 QBY4-40



泵体材质：铸铁、铝合金、不锈钢（304,316,316L）

Pump body material: Cast iron、aluminum alloy、stainless steel (304,316,316L)

## 技术参数technical parameter

最大工作压力Max. working pressure  
 最大工作流量Max. working flow  
 最大往复速度Max. reciprocating speed  
 最大虹吸高度Max. siphon height  
 最大输送固体颗粒Max. conveying solid particles  
 最大空气消耗量Ma. air consumption  
 空气进口尺寸Air inlet size  
 流体进口尺寸Fluid inlet size

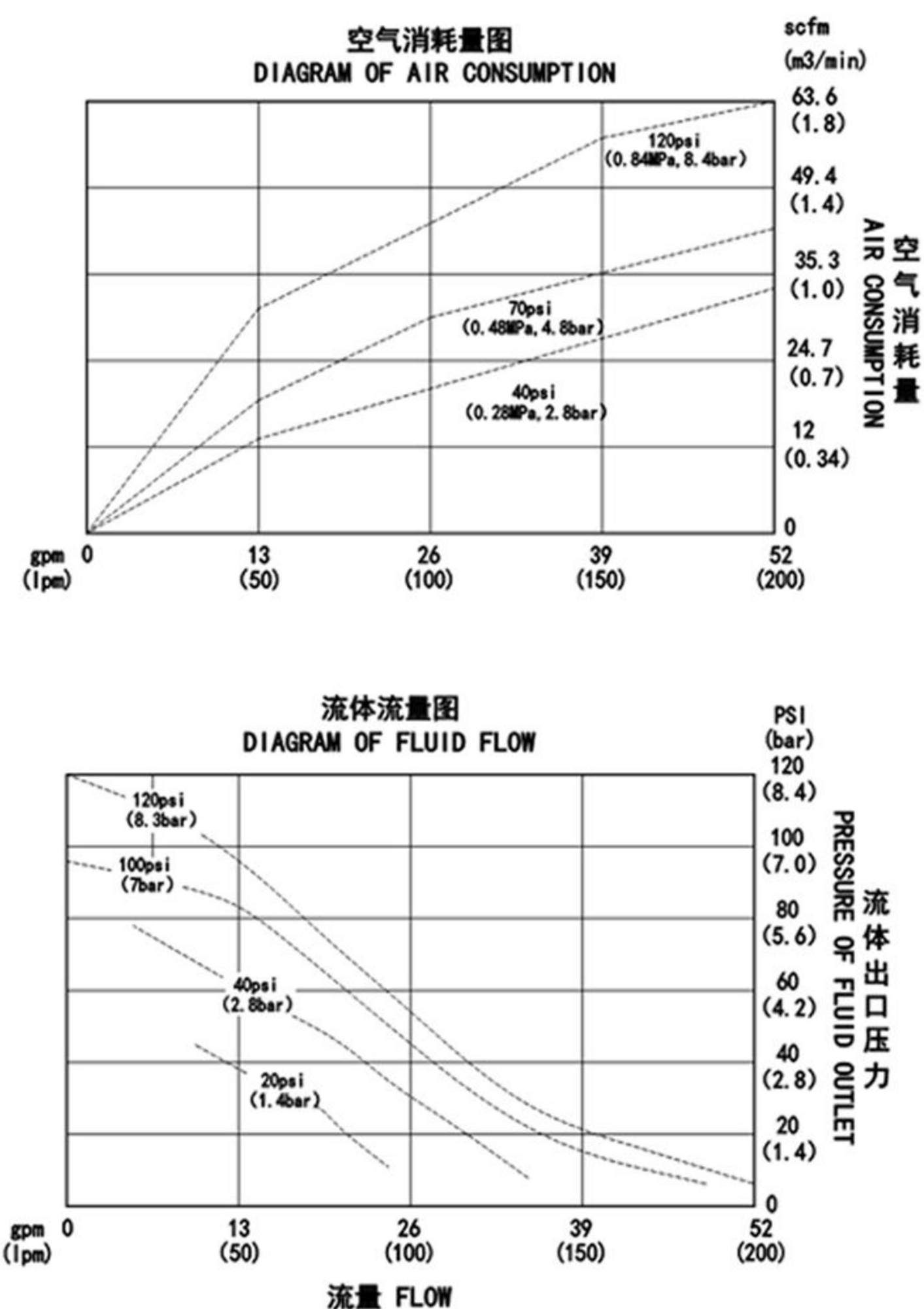
### QBY4-32

120psi (0.84Mpa, 8.4bar)  
 58gpm (220 lpm)  
 276cpm  
 18ft (5.0m)  
 1/8in (3.5mm)  
 60scfm (32L/S)  
 1/2in.npt(f)  
 1-1/4in

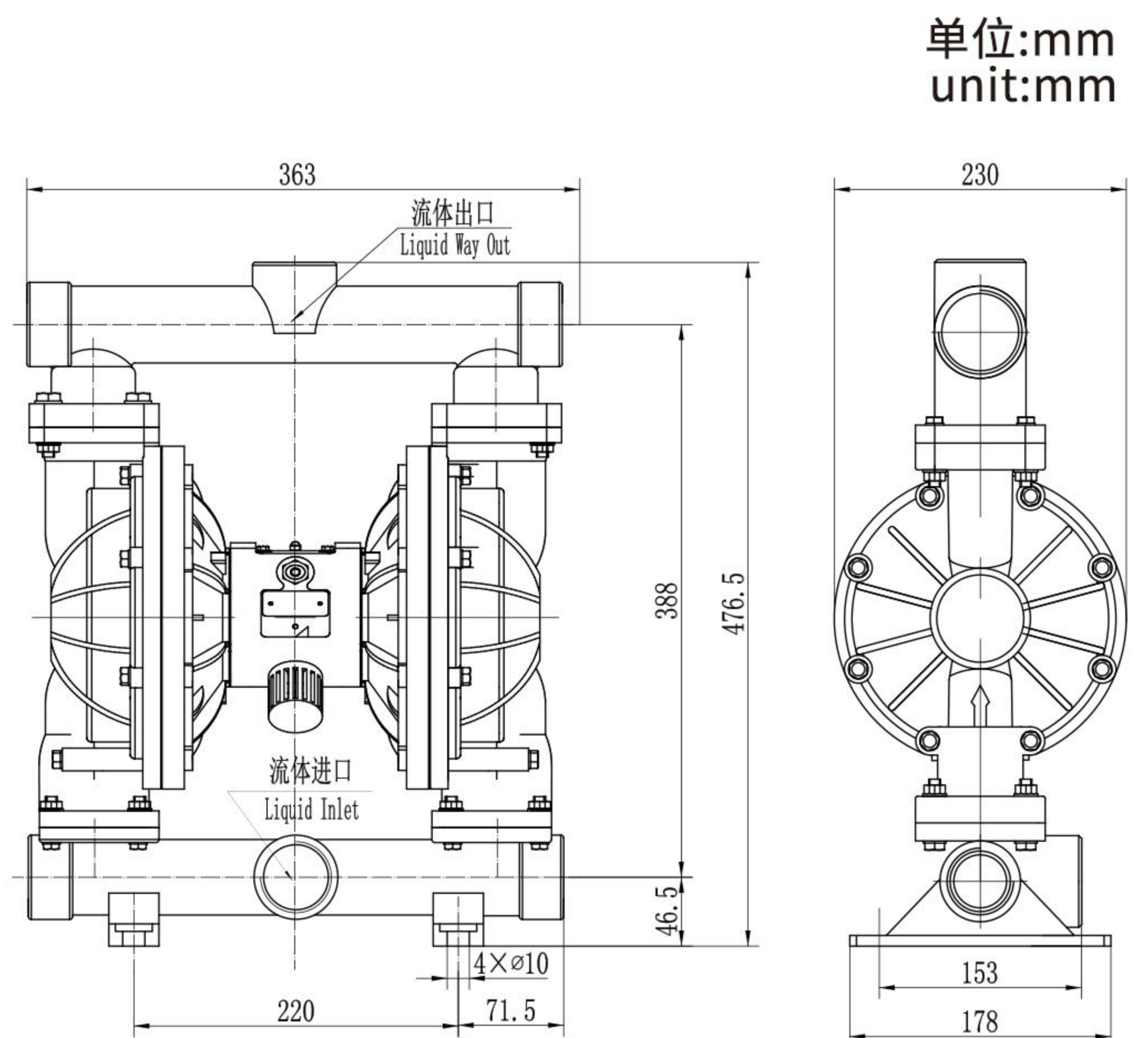
### QBY4-40

120psi (0.84Mp, 8.4bar)  
 58gpm (220 lpm)  
 276cpm  
 18ft (45.0m)  
 1/8in (3.5mm)  
 60scfm (30L/S)  
 1/2in.npt(f)  
 1-1/2 in

## 性能曲线图Performance graph



## 安装尺寸图Installation Dimension Drawing





# QBY4-32 QBY4-40



泵体材质：工程塑料、氟塑料

Pump body material: engineering plastics、fluoroplastics

## 技术参数technical parameter

- 最大工作压力Max. working pressure
- 最大工作流量Max. working flow
- 最大往复速度Max. reciprocating speed
- 最大虹吸高度Max. siphon height
- 最大输送固体颗粒Max. conveying solid particles
- 最大空气消耗量Ma. air consumption
- 空气进口尺寸Air inlet size
- 流体进口尺寸Fluid inlet size
- 流体出口尺寸Fluid outlet size

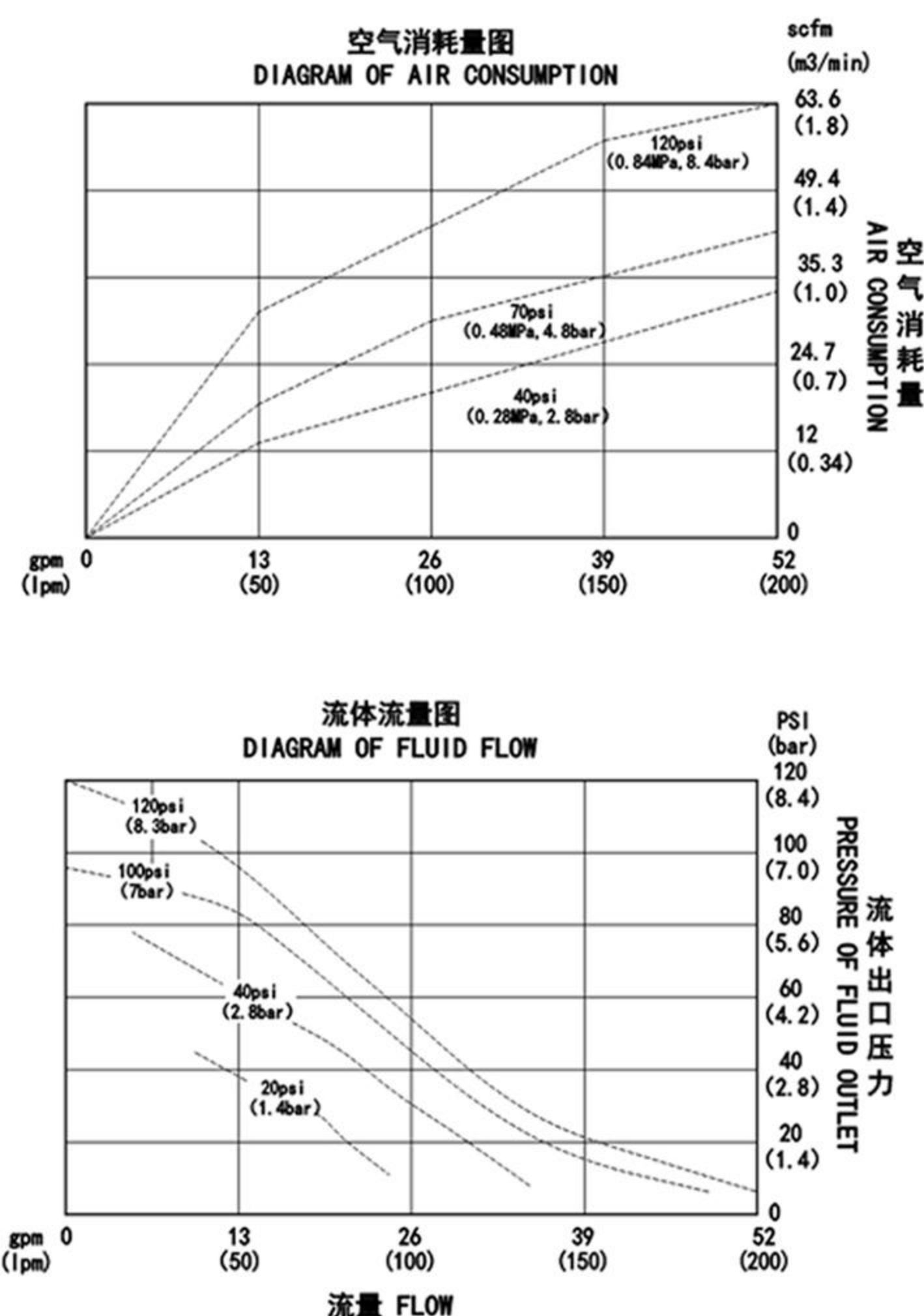
### QBY4-32

- 120psi (0.84Mpa, 8.4bar)
- 58gpm (220 lpm)
- 276cpm
- 18ft (5.0m)
- 1/8in (3.5mm)
- 60scfm (32L/S)
- 1/2in.npt(f)
- 1-1/4in
- 1-1/4in

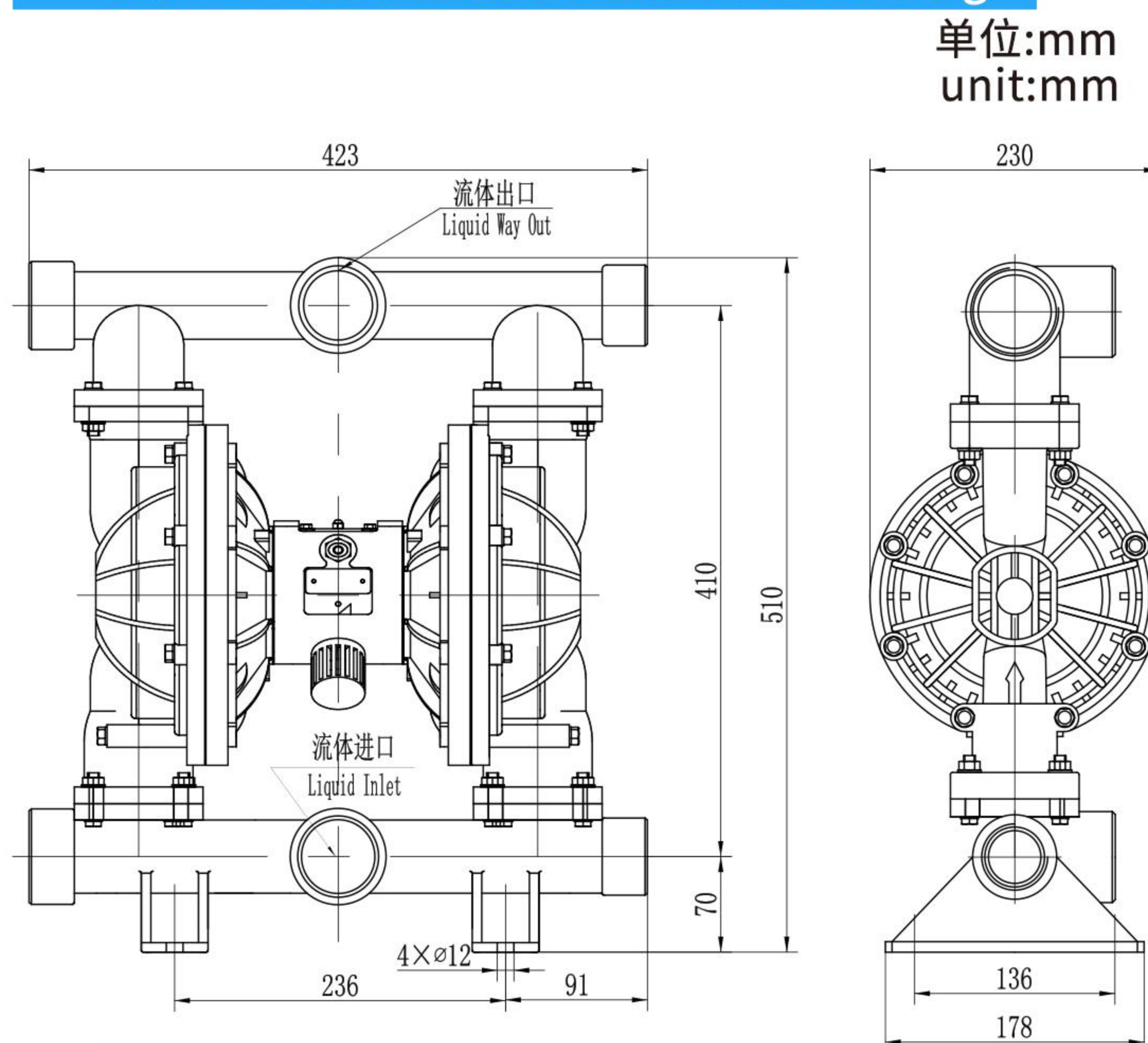
### QBY4-40

- 120psi (0.84Mp, 8.4bar)
- 58gpm (220 lpm)
- 276cpm
- 18ft (45.0m)
- 1/8in (3.5mm)
- 60scfm (30L/S)
- 1/2in.npt(f)
- 1-1/2 in
- 1-1/2 in

## 性能曲线图Performance graph



## 安装尺寸图Installation Dimension Drawing



# QBY4-50 QBY4-65



泵体材质：铸铁、铝合金、不锈钢 (304,316,316L)

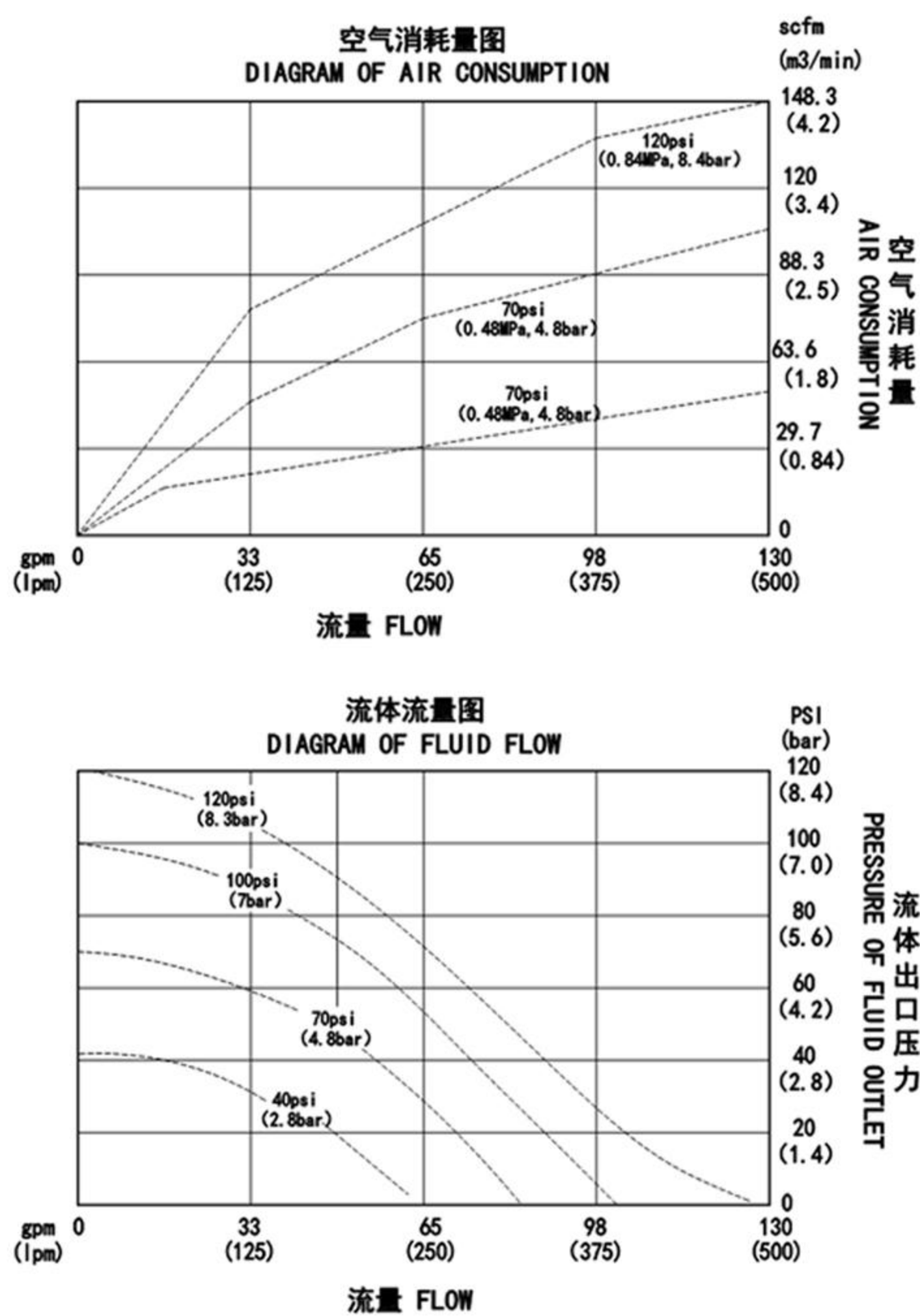
Pump body material: Cast iron、aluminum alloy、stainless steel (304,316,316L)

## 技术参数technical parameter

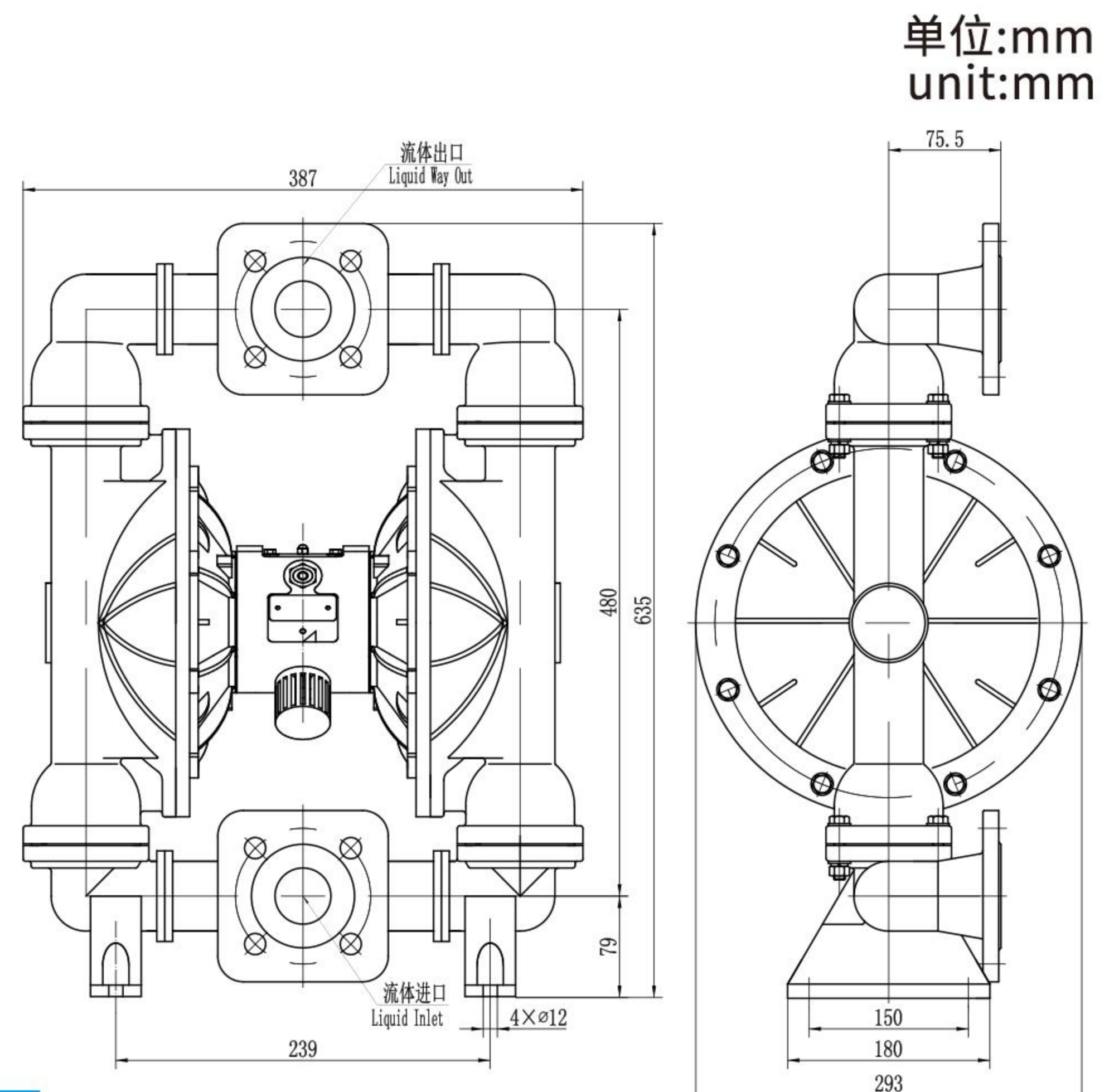
- 最大工作压力Max. working pressure
- 最大工作流量Max. working flow
- 最大往复速度Max. reciprocating speed
- 最大虹吸高度Max. siphon height
- 最大输送固体颗粒Max. conveying solid particles
- 最大空气消耗量Ma. air consumption
- 空气进口尺寸Air inlet size
- 流体进口尺寸Fluid inlet size

	QBY4-50	QBY4-65
最大工作压力Max. working pressure	120psi (0.84Mpa, 8.4bar)	120psi(0.84Mp, 8.4bar)
最大工作流量Max. working flow	134gpm (450 lpm)	134 gpm (450 lpm)
最大往复速度Max. reciprocating speed	276cpm	276cpm
最大虹吸高度Max. siphon height	18ft (5.0m)	18ft (45.0m)
最大输送固体颗粒Max. conveying solid particles	3/16 in (5mm)	3/16 in (5mm)
最大空气消耗量Ma. air consumption	125scfm (65L/S)	125scfm (65L/S)
空气进口尺寸Air inlet size	1/2 in.npt(f)	1/2 in.npt(f)
流体进口尺寸Fluid inlet size	2 in	2-1/2 in

## 性能曲线图Performance graph



## 安装尺寸图Installation Dimension Drawing





# QBY4-50 QBY4-65



泵体材质：工程塑料、氟塑料

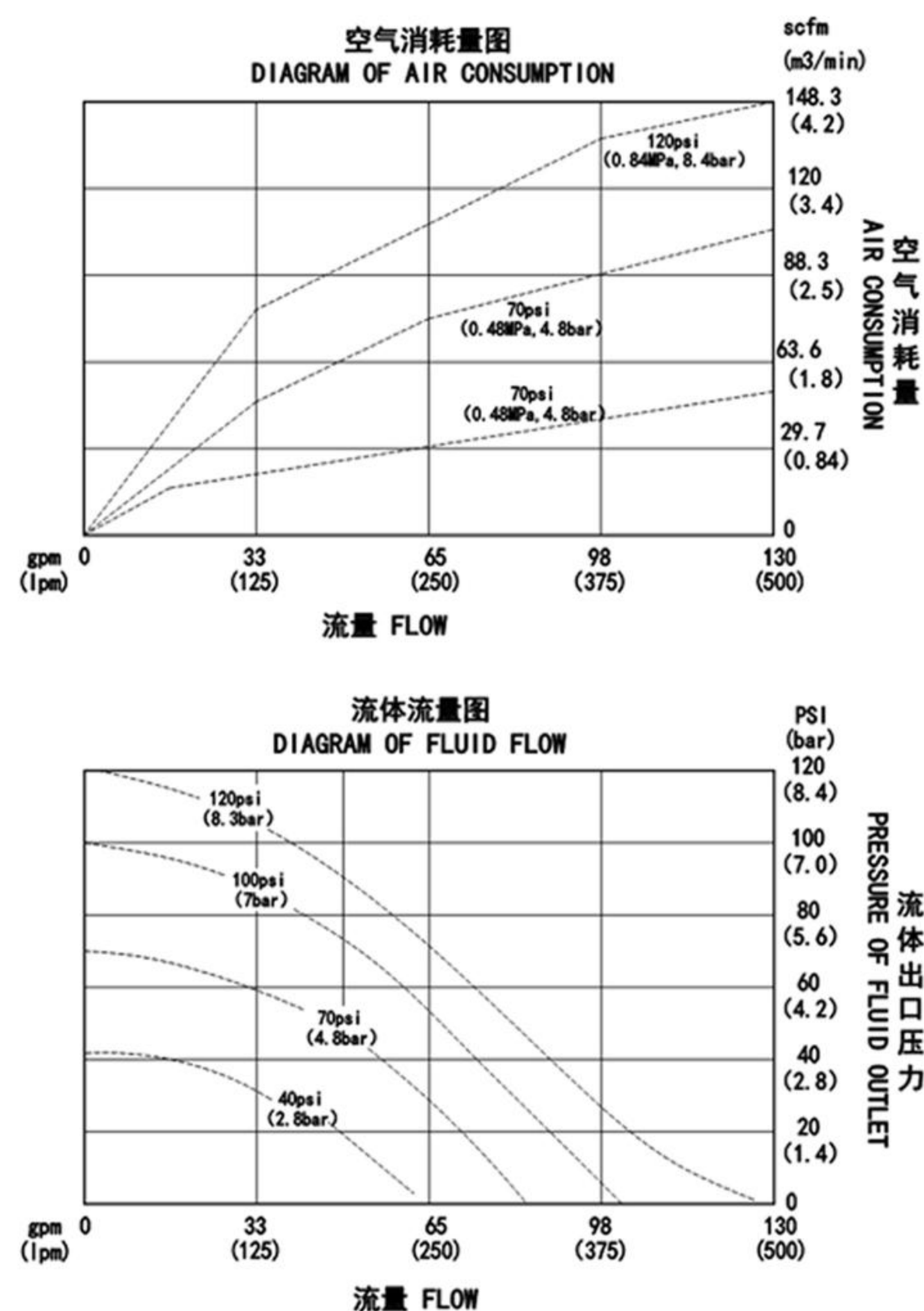
Pump body material: engineering plastics、fluoroplastics

## 技术参数technical parameter

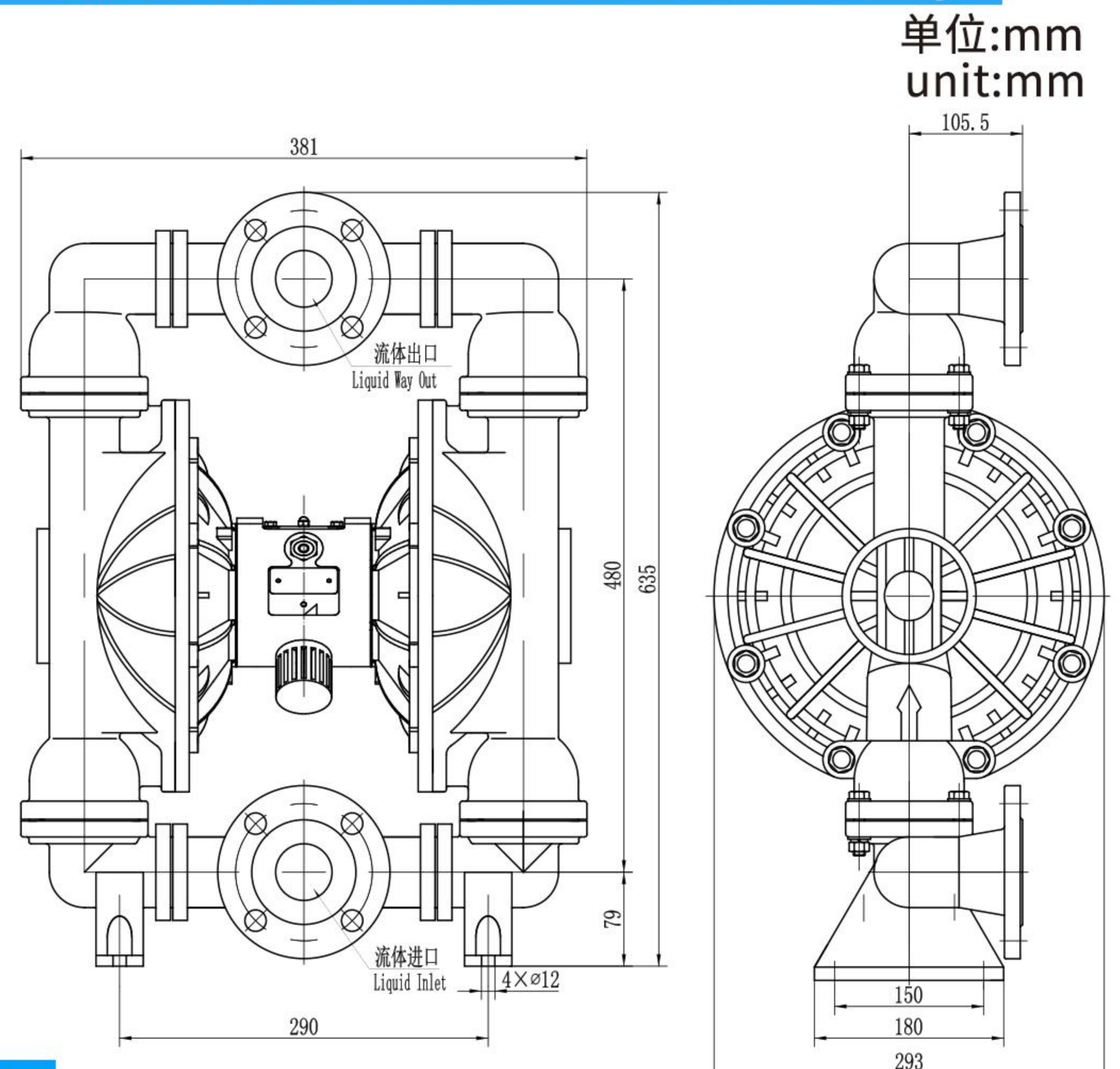
- 最大工作压力Max. working pressure
- 最大工作流量Max. working flow
- 最大往复速度Max. reciprocating speed
- 最大虹吸高度Max. siphon height
- 最大输送固体颗粒Max. conveying solid particles
- 最大空气消耗量Ma. air consumption
- 空气进口尺寸Air inlet size
- 流体进口尺寸Fluid inlet size
- 流体出口尺寸Fluid outlet size

	QBY4-50	QBY4-65
最大工作压力Max. working pressure	120psi (0.84Mpa, 8.4bar)	120psi(0.84Mp, 8.4bar)
最大工作流量Max. working flow	134gpm (450 lpm)	134 gpm (450 lpm)
最大往复速度Max. reciprocating speed	276cpm	276cpm
最大虹吸高度Max. siphon height	18ft (5.0m)	18ft (45.0m)
最大输送固体颗粒Max. conveying solid particles	3/16 in (5mm)	3/16 in (5mm)
最大空气消耗量Ma. air consumption	125scfm (65L/S)	125scfm (65L/S)
空气进口尺寸Air inlet size	1/2 in.npt(f)	1/2 in.npt(f)
流体进口尺寸Fluid inlet size	2 in	2-1/2 in
流体出口尺寸Fluid outlet size	2 in	2-1/2 in

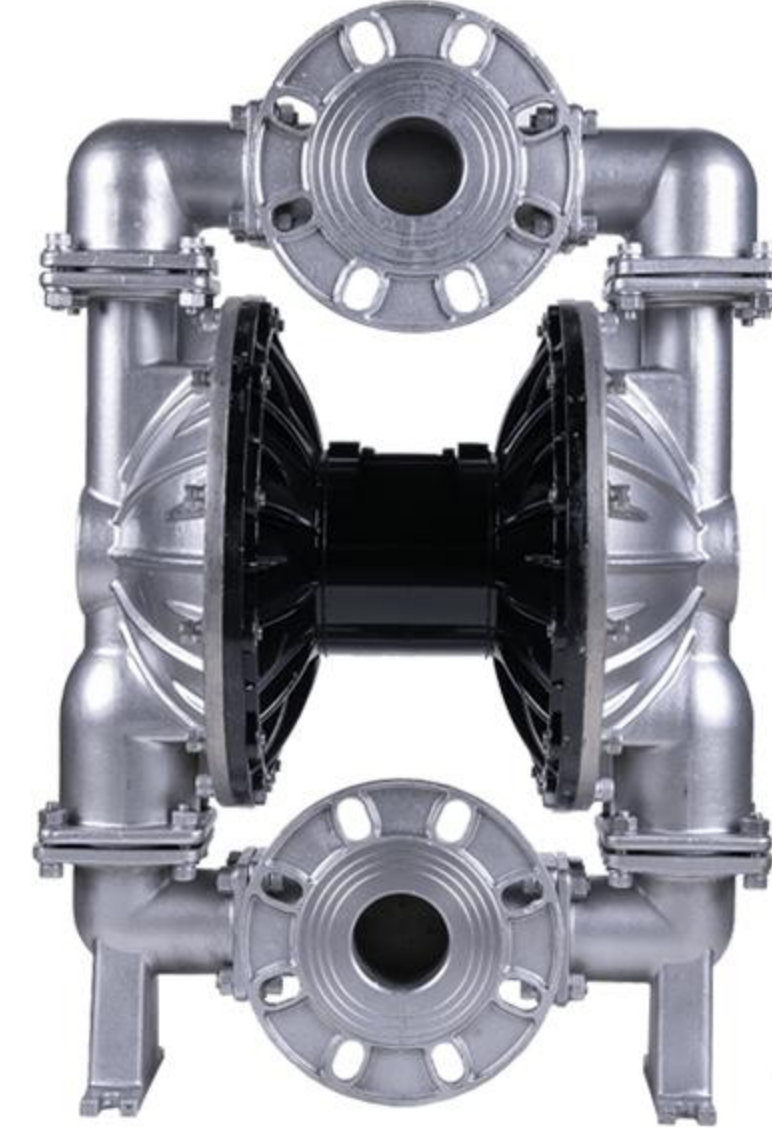
## 性能曲线图Performance graph



## 安装尺寸图Installation Dimension Drawing



# QBY4-80 QBY4-100



泵体材质：铸铁、铝合金、不锈钢 (304,316,316L)

Pump body material: Cast iron、aluminum alloy、stainless steel (304,316,316L)

## 技术参数technical parameter

- 最大工作压力Max. working pressure
- 最大工作流量Max. working flow
- 最大往复速度Max. reciprocating speed
- 最大虹吸高度Max. siphon height
- 最大输送固体颗粒Max. conveying solid particles
- 最大空气消耗量Ma. air consumption
- 空气进口尺寸Air inlet size
- 流体进口尺寸Fluid inlet size

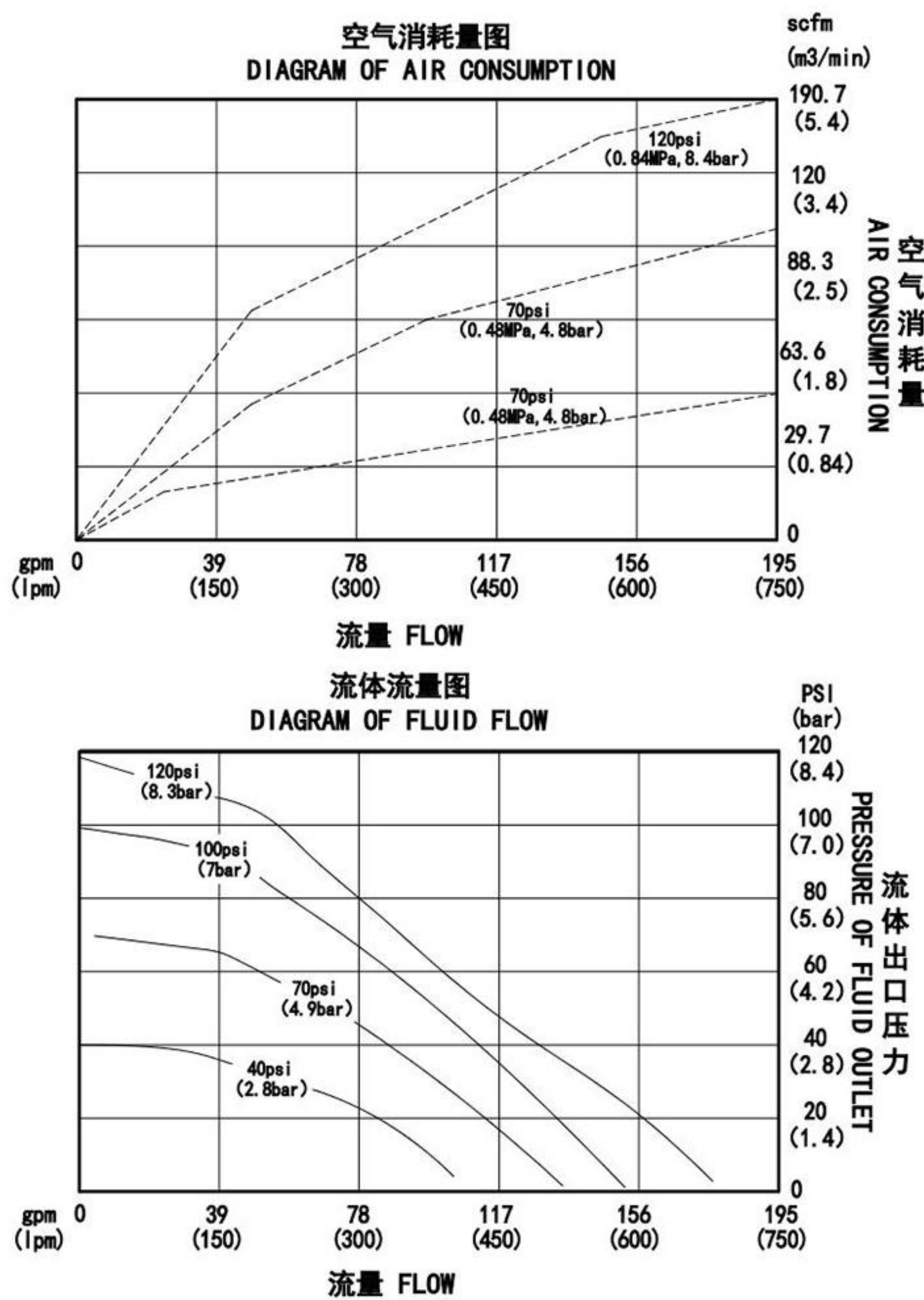
### QBY4-80

- 120psi(0.84Mpa, 8.4bar)
- 168gpm (660lpm)
- 276cpm
- 18ft (5.0m)
- 1/4in (6.4mm)
- 175scfm(85L/S)
- 1/2in.npt(f)
- 3in

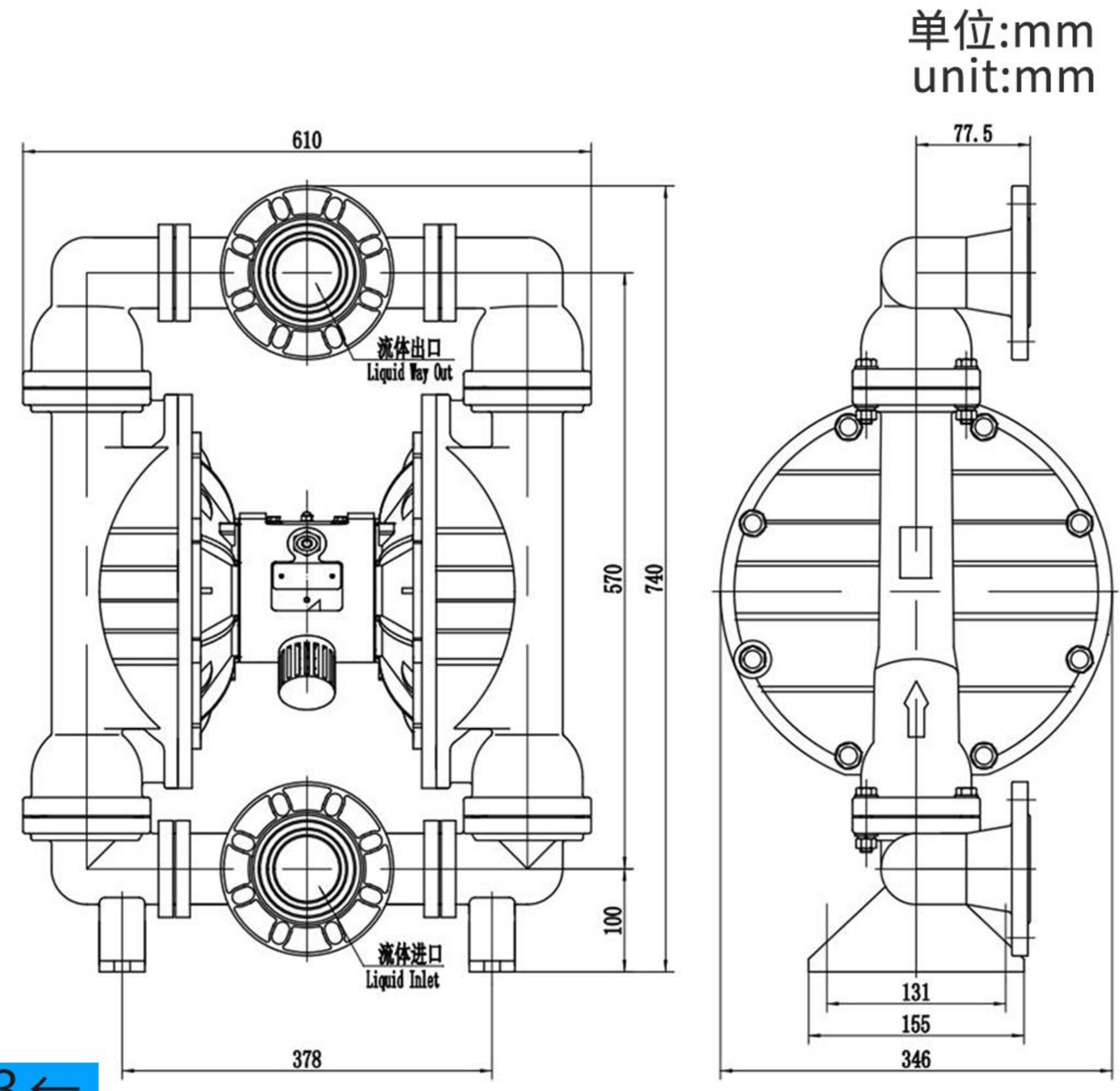
### QBY4-100

- 120psi(0.84Mpa, 8.4bar)
- 168gpm (660lpm)
- 276cpm
- 18ft (5.0m)
- 1/4in (6.4mm)
- 175scfm(85L/S)
- 1/2 in.npt(f)
- 4in

## 性能曲线图Performance graph

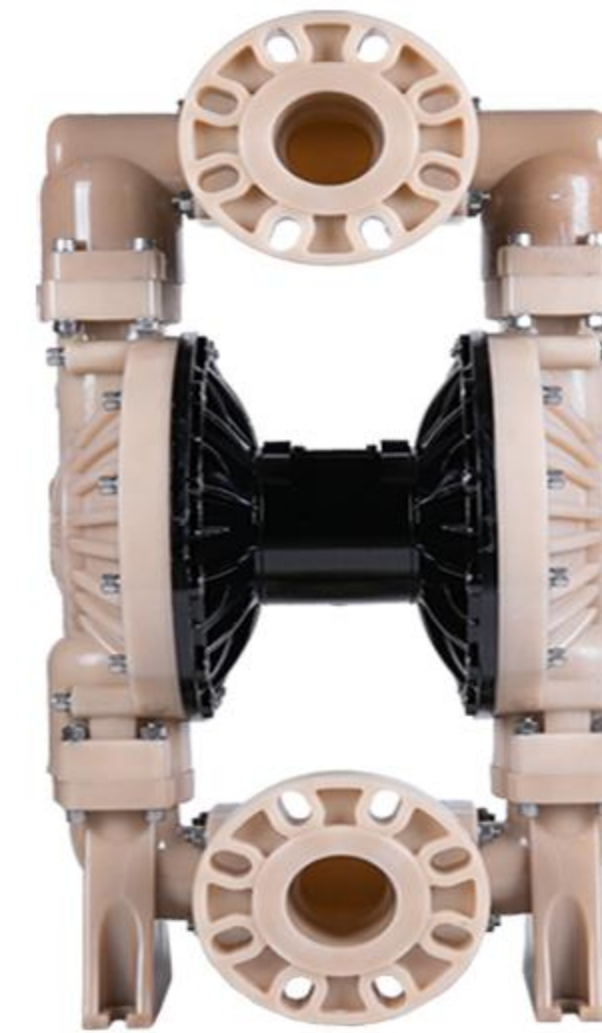
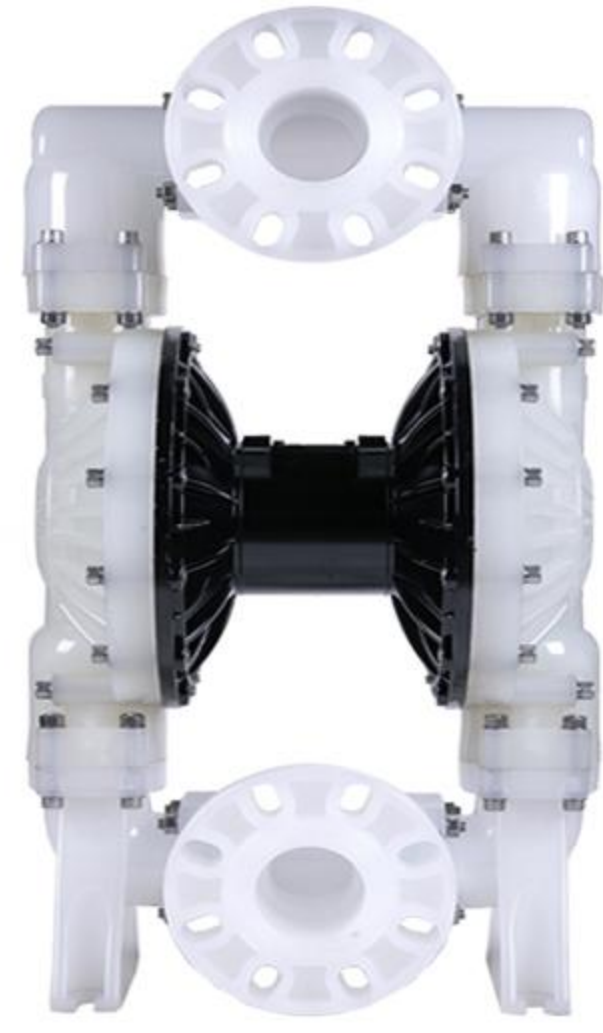


## 安装尺寸图Installation Dimension Drawing





# QBY4-80 QBY4-100



泵体材质：工程塑料、氟塑料

Pump body material: engineering plastics、fluoroplastics

## 技术参数technical parameter

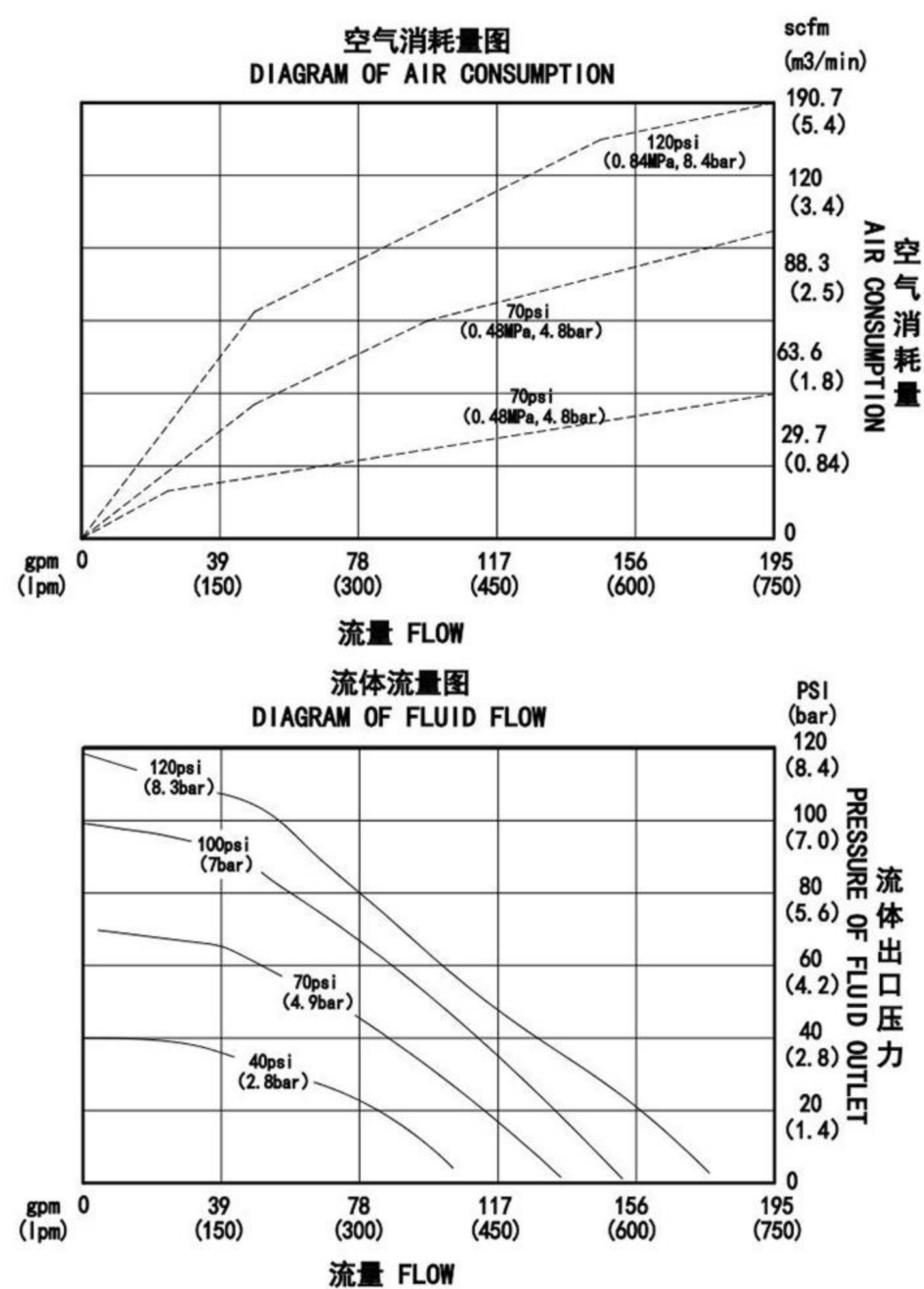
- 最大工作压力Max. working pressure
- 最大工作流量Max. working flow
- 最大往复速度Max. reciprocating speed
- 最大虹吸高度Max. siphon height
- 最大输送固体颗粒Max. conveying solid particles
- 最大空气消耗量Ma. air consumption
- 空气进口尺寸Air inlet size
- 流体进口尺寸Fluid inlet size
- 流体出口尺寸Fluid outlet size

### QBY4-80

### QBY4-100

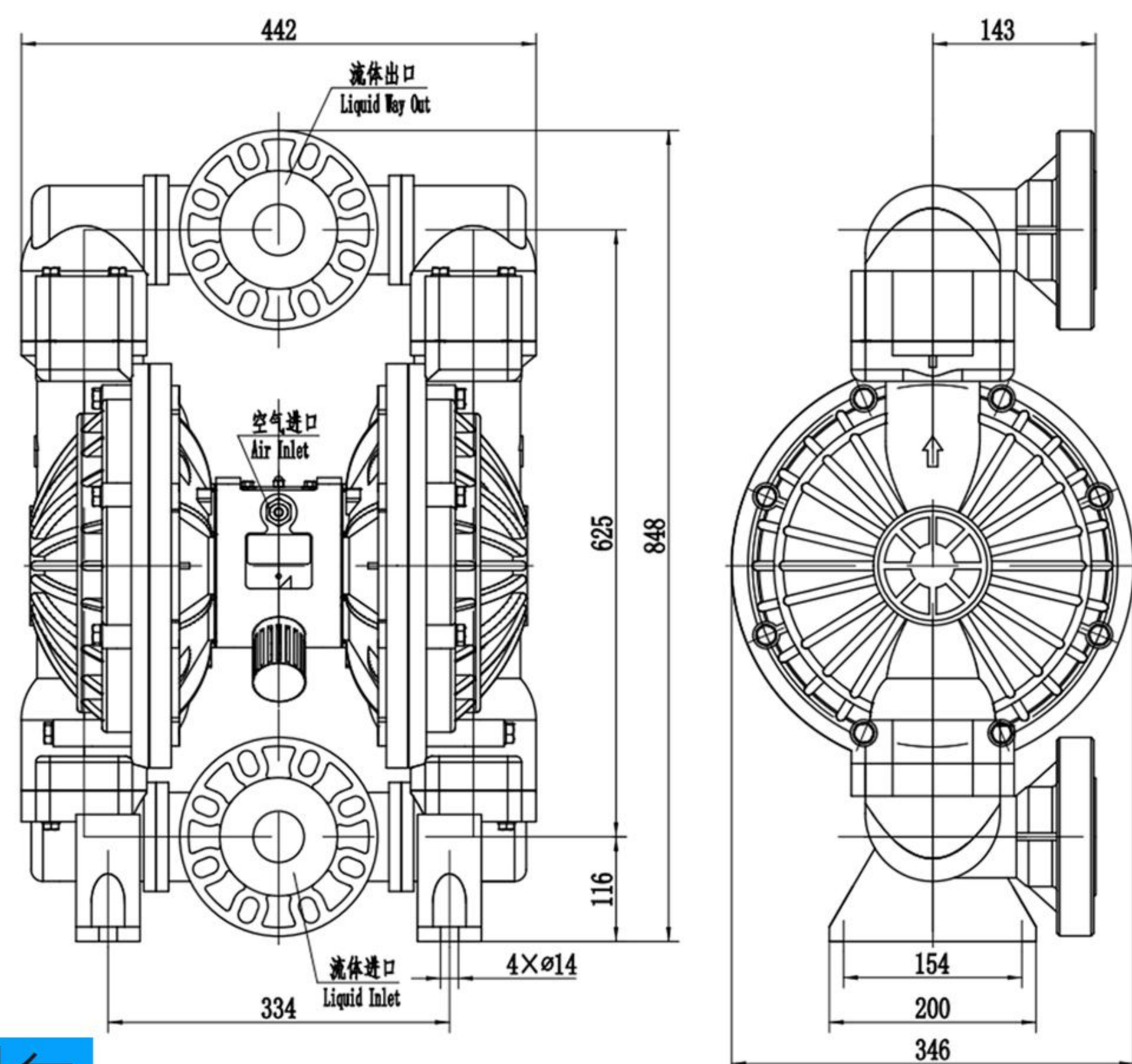
120psi(0.84Mpa, 8.4bar)	120psi(0.84Mpa, 8.4bar)
168gpm (660lpm)	168gpm (660lpm)
276cpm	276cpm
18ft (5.0m)	18ft (5.0m)
1/4in (6.4mm)	1/4in (6.4mm)
175scfm(85L/S)	175scfm(85L/S)
1/2in.npt(f)	1/2 in.npt(f)
3in	4in
3in	4in

## 性能曲线图Performance graph



## 安装尺寸图Installation Dimension Drawing

单位:mm  
unit:mm



# QBY4-125



泵体材质：铸铁、铝合金、不锈钢（304,316,316L）、工程塑料

Pump body material: Cast iron、aluminum alloy、stainless steel (304,316,316L)、engineering plastics

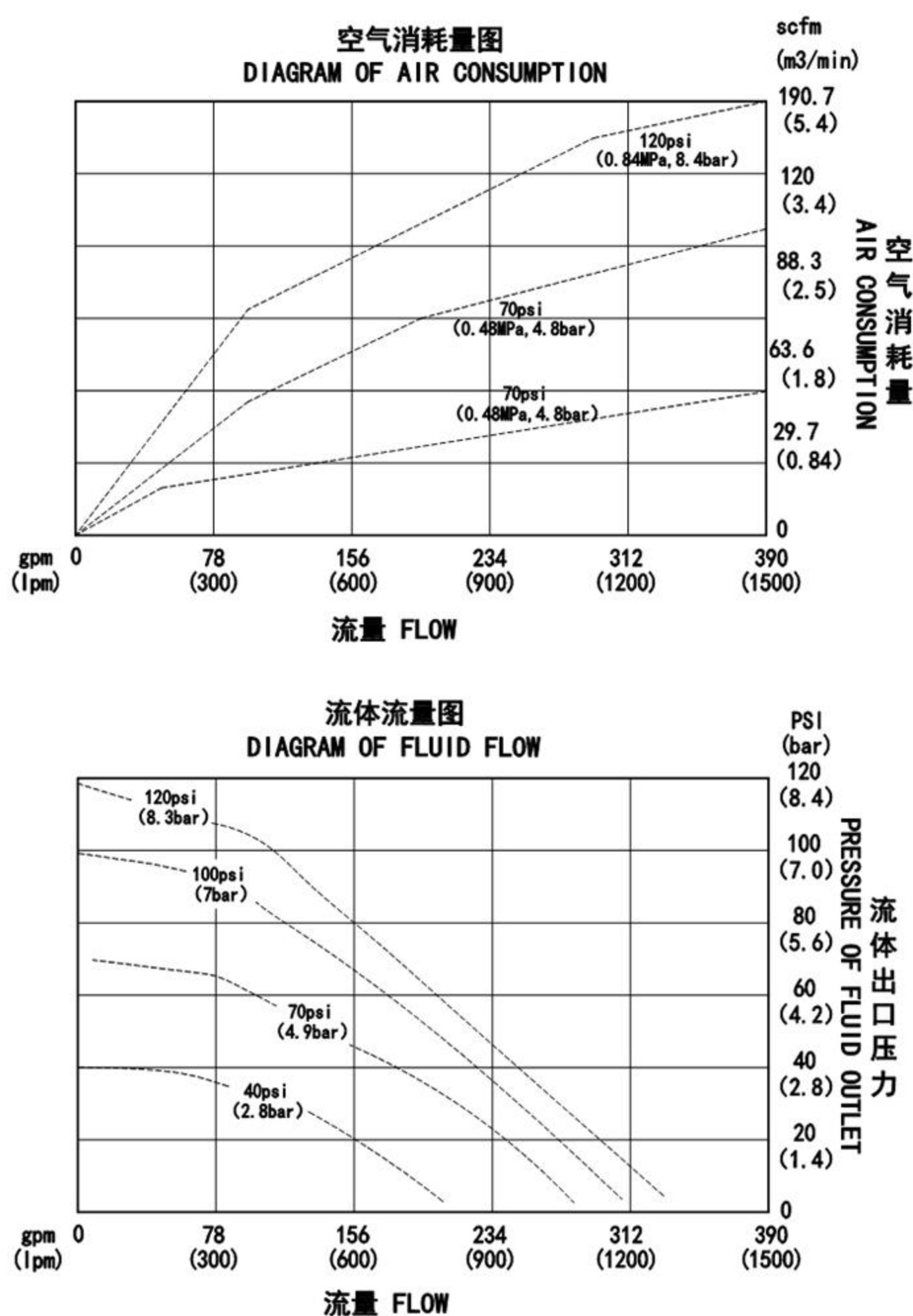
## 技术参数technical parameter

最大工作压力Max. working pressure  
 最大工作流量Max. working flow  
 最大往复速度Max. reciprocating speed  
 最大虹吸高度Max. siphon height  
 最大输送固体颗粒Max. conveying solid particles  
 最大空气消耗量Ma. air consumption  
 空气进口尺寸Air inlet size  
 流体进口尺寸Fluid inlet size  
 流体出口尺寸Fluid outlet size

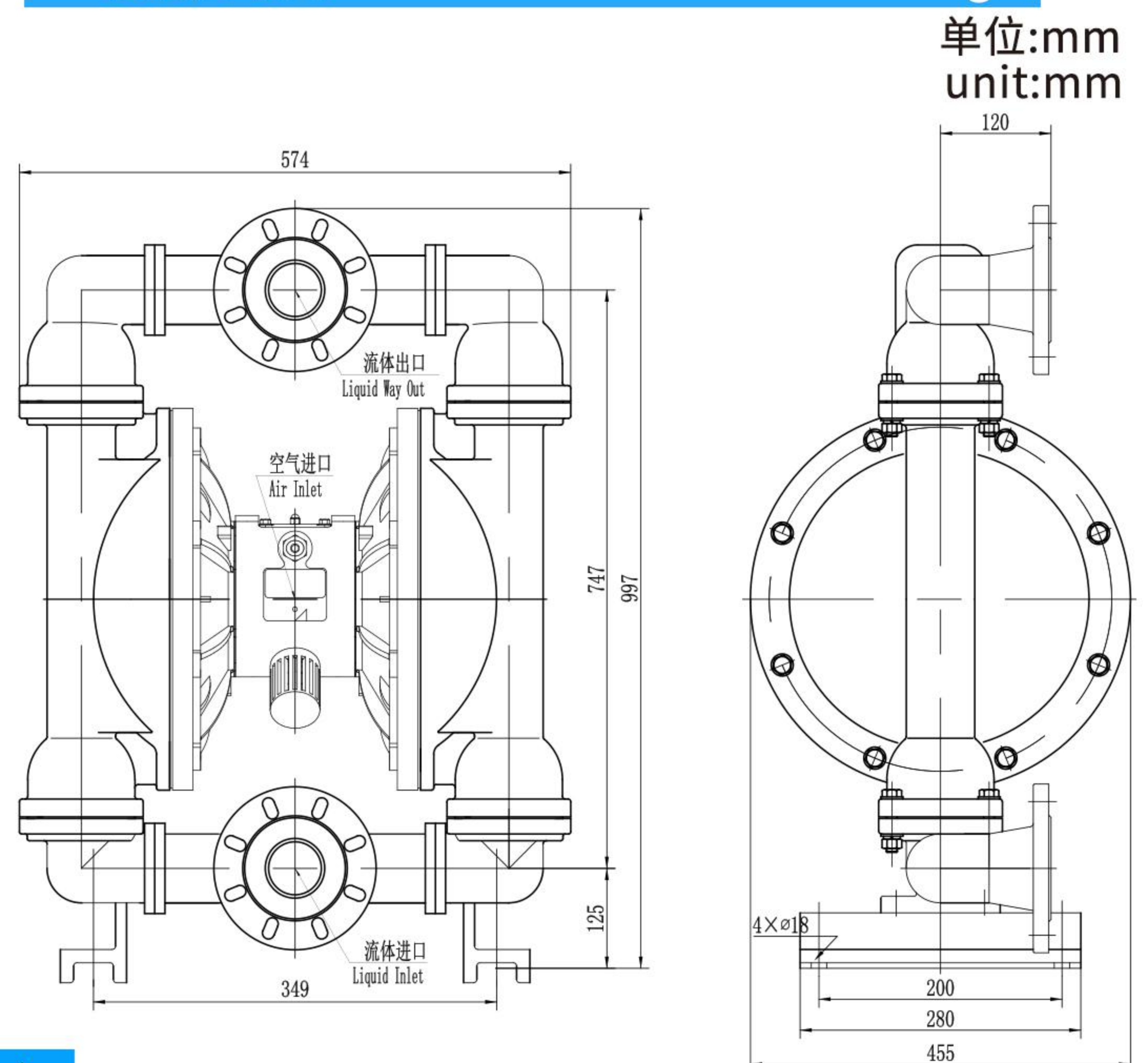
## QBY4-125

120psi (0.84Mpa, 8.4bar)  
 344gpm (1300 lpm)  
 135cpm  
 22ft (6.0m)  
 3/8 in (9.5mm)  
 235scfm (120L/S)  
 3/4 in.npt(f)  
 5 in  
 5 in

## 性能曲线图Performance graph



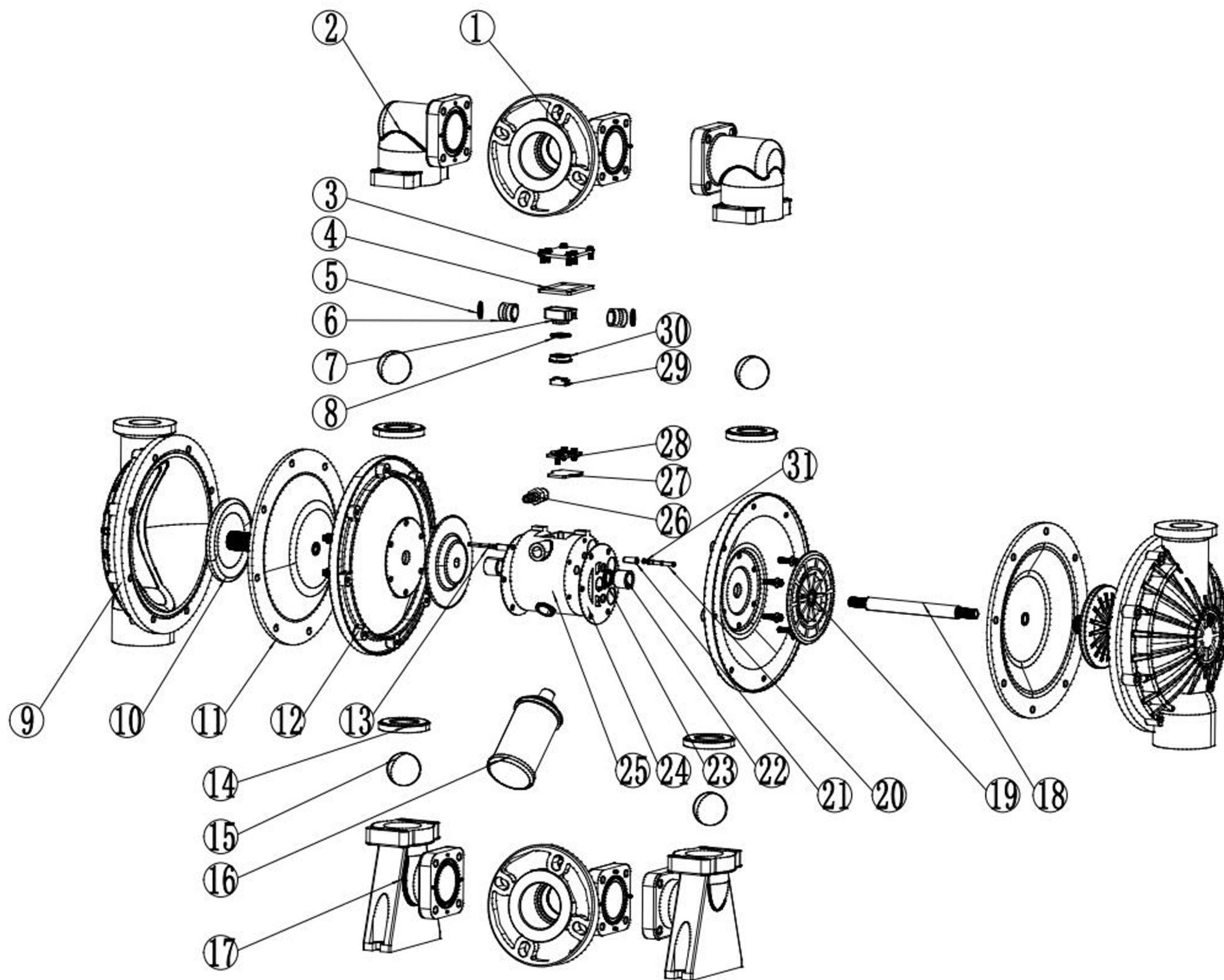
## 安装尺寸图Installation Dimension Drawing





# QBY4爆炸图

QBY4 explosion



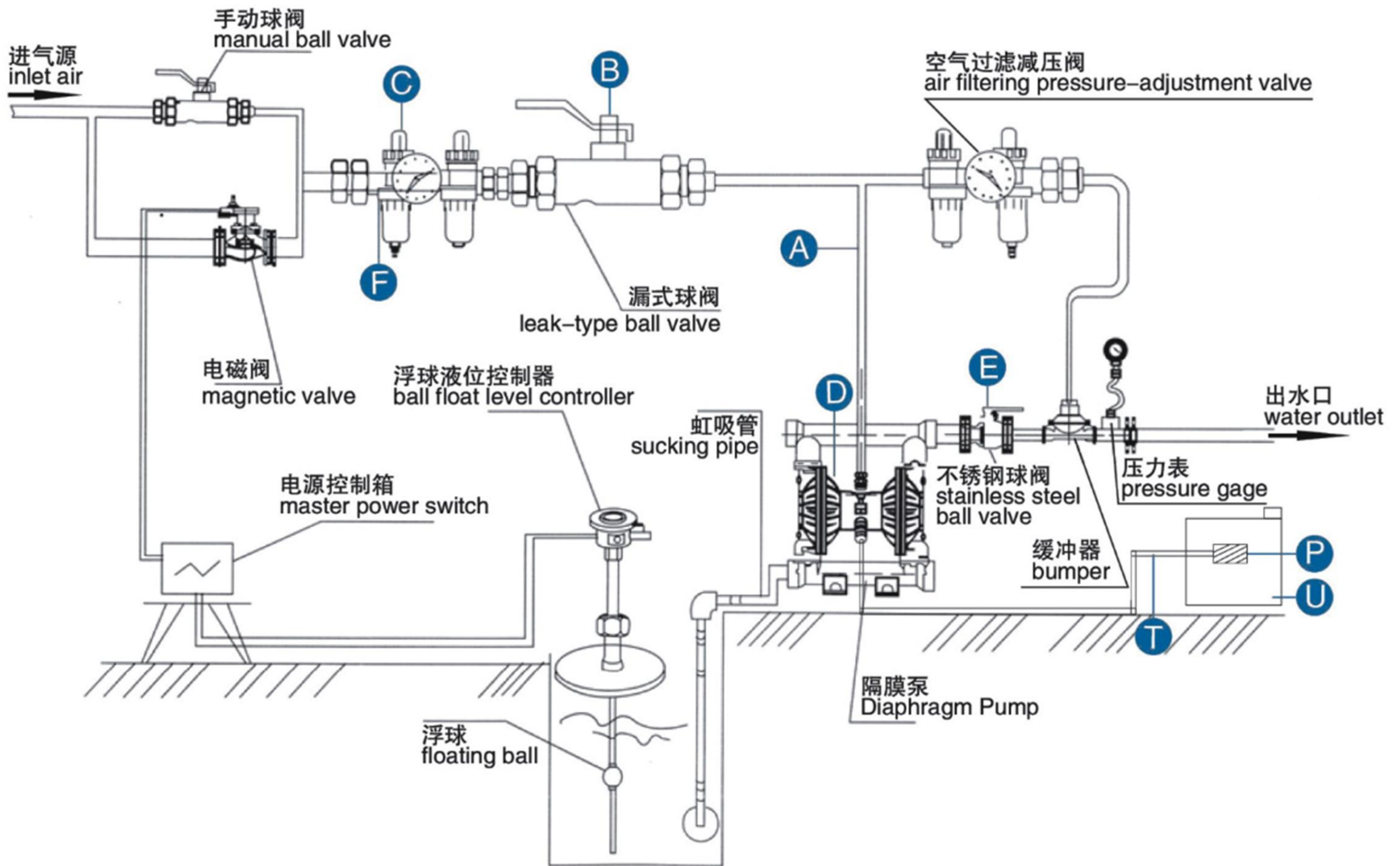
Parts list 零部件明细表

序号NO.	名称NAME	序号NO.	名称NAME	序号NO.	名称NAME	序号NO.	名称NAME
1	上下盖三通 Cover tee	2	上盖弯头 The upper cover elbow	3	气阀室盖 Cover	4	气阀室垫片 Gasket
5	V型圈 V-ring	6	活塞 Piston	7	大滑块铝件 Slide block	8	大滑块O型圈 O-ring
9	立柱 Stand Column	10	外压板 Outside Plate	11	聚胶膜片 Rubber Diaphragm	12	隔排 Clapboard
13	换向轴 Reverse Wheel	14	球座 Ball seat	15	阀芯 Trim	16	消声器 muffler
17	下盖弯头 Under the cover elbow	18	连杆轴 Connection rod shaft	19	内压板 Inner Plate	20	助推杆 Push pole
21	助推杆套 Push pole bush	22	活塞套 Piston bush	23	V型圈 V-ring	24	中间垫片 Mid body gasket
25	中间体 Mid body	26	气接头 Gas joint	27	引导块垫片 Gasket	28	引导块 Bootblock
29	小滑块 Slide block	30	大滑块塑料件 Plastic slide block	31	助推杆O型圈 O-ring		



# 安装示范图

INSTALLATION DEMONSTRATION DIAGRAM

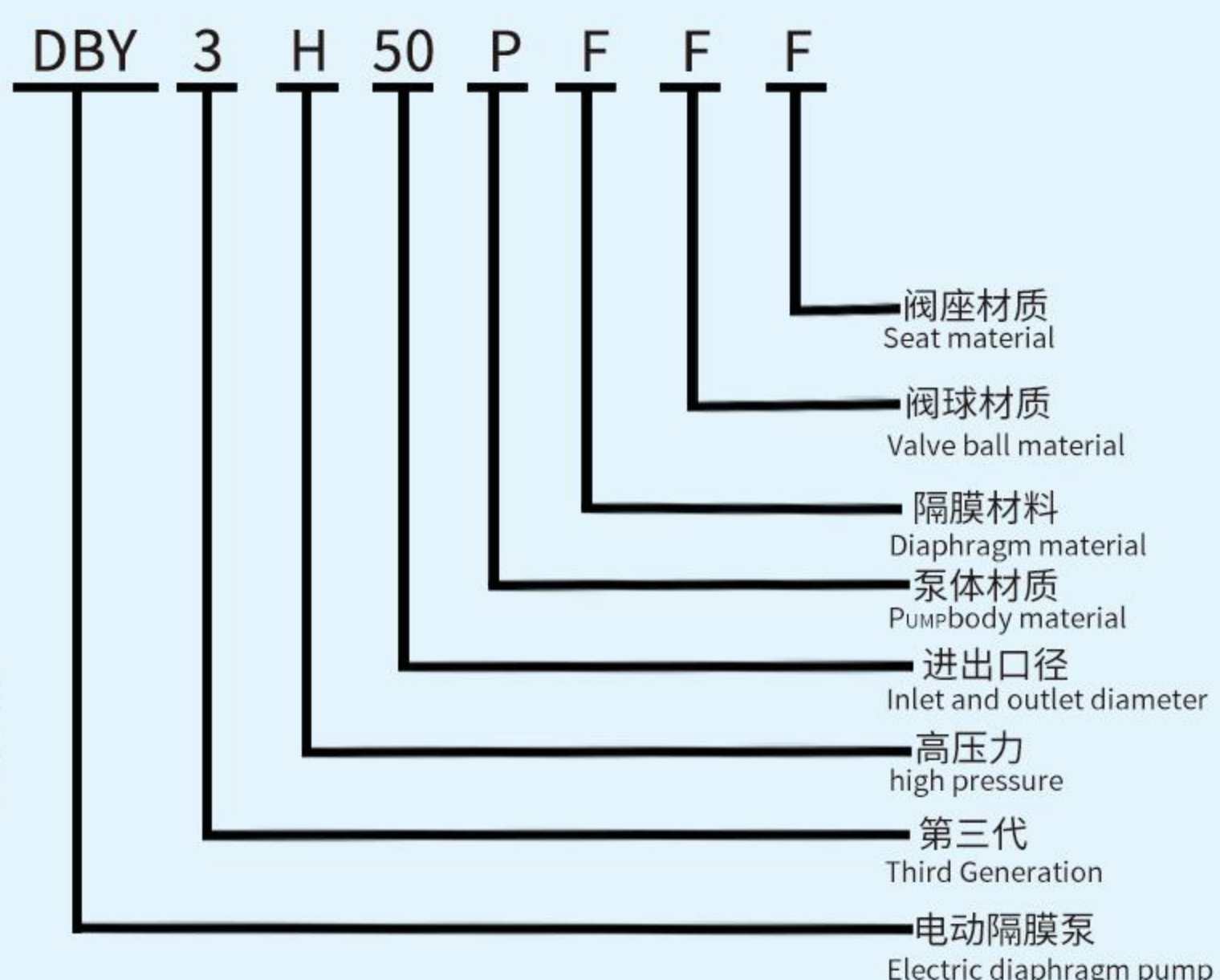
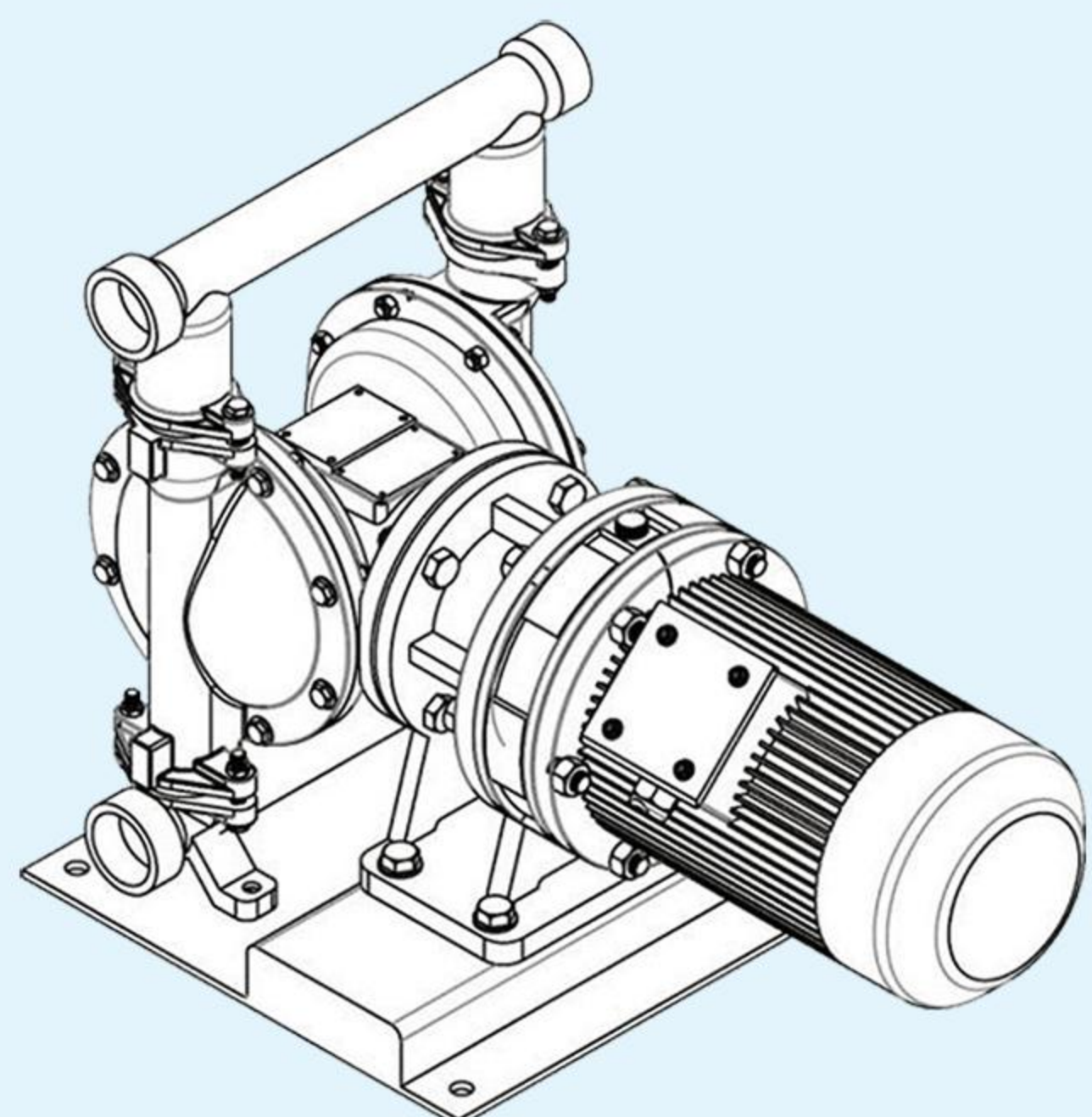


- Ⓐ 供气管线 Gas Pipeline
- Ⓑ 铜球阀 Cuprum Ball Valve
- Ⓒ 空气调压器 Air Pressure Regulator
- Ⓓ 进气管快速接头 Intake Pipe Quick Connection
- Ⓔ 漏式铜球阀 Leak Type Cuprum Ball Valve
- Ⓕ 气动三联件 Pneumatic FRL
- Ⓖ 消声器 Muffler
- Ⓗ 排气管 Exhaust Pipe
- Ⓖ 排气用的容器 Container For Exhaust



# 型号意义及原理

## MODEL SIGNIFICANCE AND PRINCIPLE



DBY3电动隔膜泵原理：电动隔膜泵是一种新型的泵类，近年来，由于在隔膜材质上取得了突破性的进展，来应用于石化、陶瓷、冶金等行业，特点是不需灌引水，自吸能力强。电机通过减速箱带动左右两端柱塞上面的隔膜一前一后往复运动。在左右两个泵腔内，装有上下四个单向球阀，隔膜造成工作腔内容积的改变，迫使四个单向球阀交替的开启和关闭，从而将液体不断地吸入和排出

Principle of DBY3 electric diaphragm pump: electric diaphragm pump is a new type of pump. In recent years, due to breakthroughs in diaphragm material, it is applied to petrochemical, ceramics, metallurgy and other industries. It is characterized by no need for irrigation. Strong self-priming ability. The motor drives the diaphragms on the left and right plungers to reciprocate one after the other through the reduction box. In the two pump chambers on the left and right, the movement of the diaphragms of the upper and lower four one-way ball valves causes the change of the volume in the working chamber, forcing the four one-way ball valves to open and close alternately, thereby continuously sucking and discharging liquid.



# 优势及应用领域

## STRENGTHS AND AREAS OF APPLICATION



产品性能优点:

- 1、流通性能好,直径在10毫米以下的颗粒、泥浆等均可毫不费力地通过;
- 2、不需要先灌引水,化工泵能力长,可以达到5米以上;
- 3、品种多,泵体介质过流部分,可根据用户要求不同,分为铸铁、铝合金,不锈钢,工程塑料,氟塑料,衬氟,电机可分普通电机、防爆电机、减速电机和电磁调速电机;
- 4、电动隔膜泵本身无轴封,使用寿命大大延长;根据不同介质,隔膜可分为氯丁橡胶、氟橡胶、丁晴橡胶、聚四氟乙烯、特氟龙(F46)等,可以满足不同客户的要求。
- 5、压力最大可达0.7Mpa,扬程最大70米。

Product performance advantages:

1. Good circulation performance, particles and mud with a diameter of less than 10 mm can be passed through without any effort;
2. There is no need to irrigate and divert water first, and the chemical pump has a long capacity, which can reach more than 5 meters;
3. There are many varieties. The medium flow part of the pump body can be divided into cast iron, aluminum alloy, stainless steel, engineering plastics, fluoroplastics, fluorine-lined according to user requirements. The motors can be divided into ordinary motors, explosion-proof motors, geared motors and electromagnetic regulators. Speed motor;
4. The electric diaphragm pump itself has no shaft seal, and the service life is greatly extended; according to different media, the diaphragm can be divided into neoprene, fluorine rubber, nitrile rubber, polytetrafluorohexene, Teflon (F46), etc., which can meet The requirements of different customers.
5. The maximum pressure can reach 0.7Mpa and the maximum lift is 70 meters.



船舶配套  
Ship matching



化工  
Chemical industry



环保水处理  
Environmental water treatment



食品饮料  
food and drink



新能源  
new energy



制药  
Pharmaceutical



# DBY3-20 DBY3-25



**泵体材质：铸铁、铝合金、不锈钢（304,316,316L）**

**Pump body material: Cast iron、aluminum alloy、Stainless steel (304,316,316L)**

## 技术参数technical parameter

低压力 (L) Low pressure (L)

最大工作流量Max. working flow

最大往复速度Max. reciprocating speed

最大虹吸高度Max. siphon height

最大输送固体颗粒Max. conveying solid particles

流体进口尺寸Fluid inlet size

流体出口尺寸Fluid outlet size

低压电机功率Low voltage motor power

高压力 (H) high pressure (H)

高压电机功率High voltage motor power

### DBY3-20

58psi (0.4Mpa, 4bar)

7.0gpm (26 lpm)

400cpm

15ft (4.5m)

3/32in (2.5mm)

3/4in

3/4in

0.55KW

100psi (0.7Mpa, 7bar)

0.75KW

### DBY3-25

58psi (0.4Mpa, 4bar)

7.0gpm (26 lpm)

400cpm

15ft (4.5m)

3/32in (2.5mm)

1 in

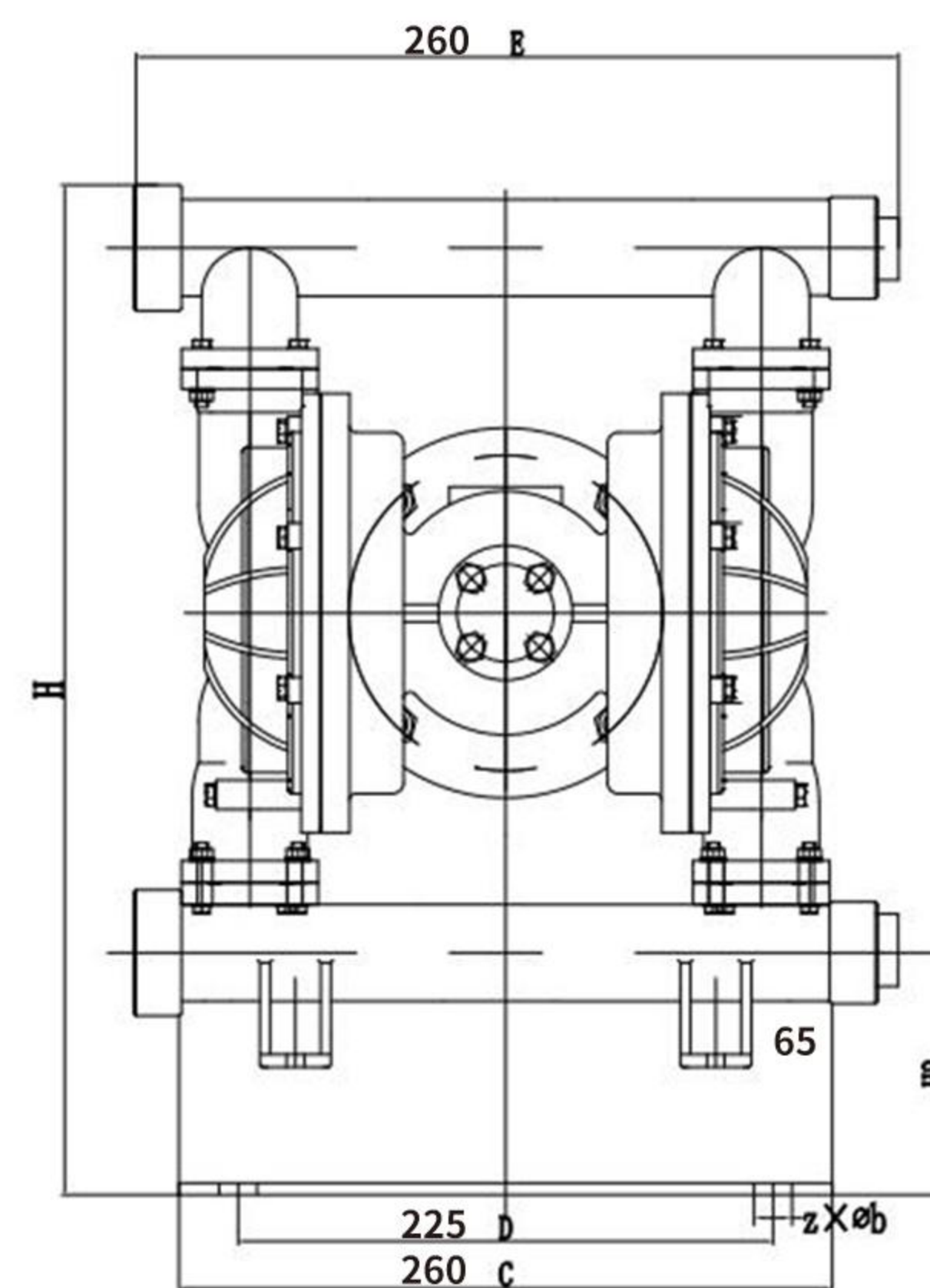
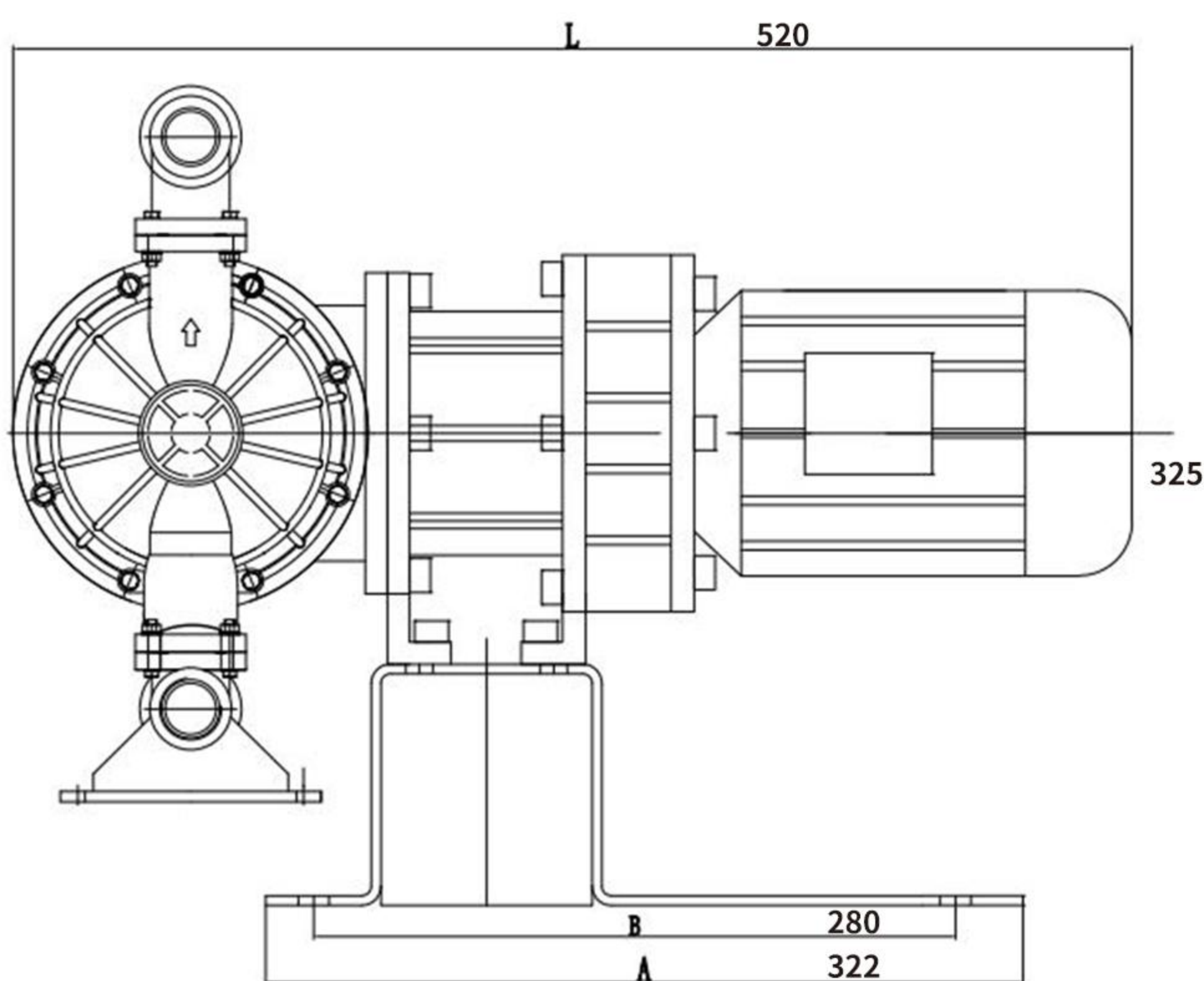
1 in

0.55KW

100psi (0.7Mpa, 7bar)

0.75KW

## 安装尺寸图Installation Dimension Drawing



单位:mm  
unit:mm

# DBY3-20 DBY3-25



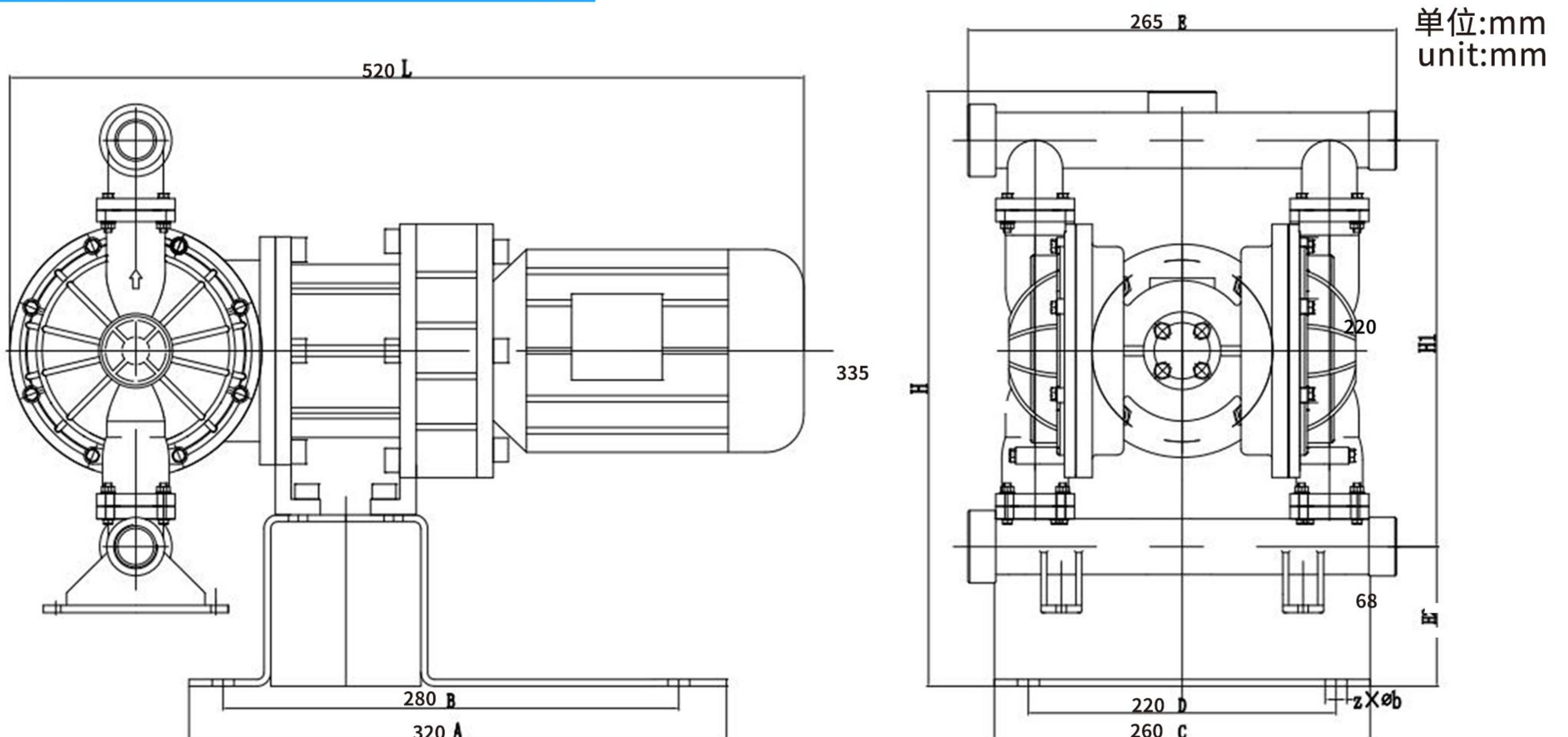
**泵体材质：工程塑料、氟塑料**

**Pump body material: engineering plastics、fluorine plastic**

## 技术参数technical parameter

	DBY3-20	DBY3-25
低压力 (L) Low pressure (L)	58psi (0.4Mpa, 4bar)	58psi (0.4Mpa, 4bar)
最大工作流量Max. working flow	7.0gpm (26 lpm)	7.0gpm (26 lpm)
最大往复速度Max. reciprocating speed	400cpm	400cpm
最大虹吸高度Max. siphon height	15ft (4.5m)	15ft (4.5m)
最大输送固体颗粒Max. conveying solid particles	3/32in (2.5mm)	3/32in (2.5mm)
流体进口尺寸Fluid inlet size	3/4in	1 in
流体出口尺寸Fluid outlet size	3/4in	1 in
低压电机功率Low voltage motor power	0.55KW	0.55KW
高压力 (H) high pressure (H)	100psi (0.7Mpa, 7bar)	100psi (0.7Mpa, 7bar)
高压电机功率High voltage motor power	0.75KW	0.75KW

## 安装尺寸图Installation Dimension Drawing





# DBY3-32 DBY3-40



泵体材质：铸铁、铝合金、不锈钢 (304,316,316L)

Pump body material: Cast iron、aluminum alloy、stainless steel (304,316,316L)

## 技术参数technical parameter

低压力 (L) Low pressure (L)

最大工作流量Max. working flow

最大往复速度Max. reciprocating speed

最大虹吸高度Max. siphon height

最大输送固体颗粒Max. conveying solid particles

流体进口尺寸Fluid inlet size

流体出口尺寸Fluid outlet size

低压电机功率Low voltage motor power

高压力 (H) high pressure (H)

高压电机功率High voltage motor power

### DBY3-32

58psi (0.4Mpa, 4bar)

15.2gpm (57 lpm)

276cpm

18ft (5.0m)

1/8in (3.5mm)

1-1/4in

1-1/4in

1.5KW

100psi (0.7Mpa, 7bar)

2.2KW

### DBY3-40

58psi (0.4Mpa, 4bar)

15.2gpm (57 lpm)

276cpm

18ft (45.0m)

1/8in (3.5mm)

1-1/2 in

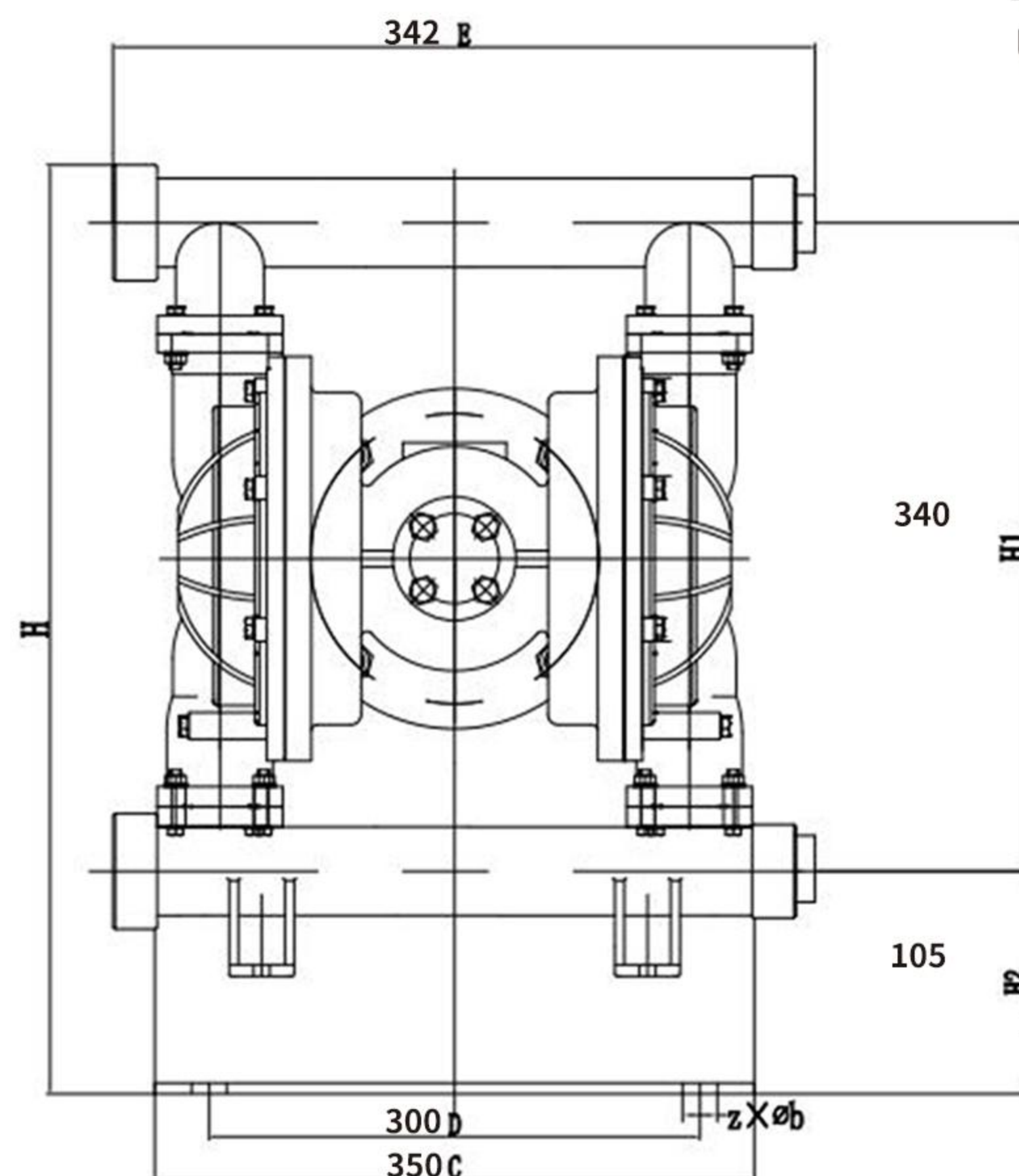
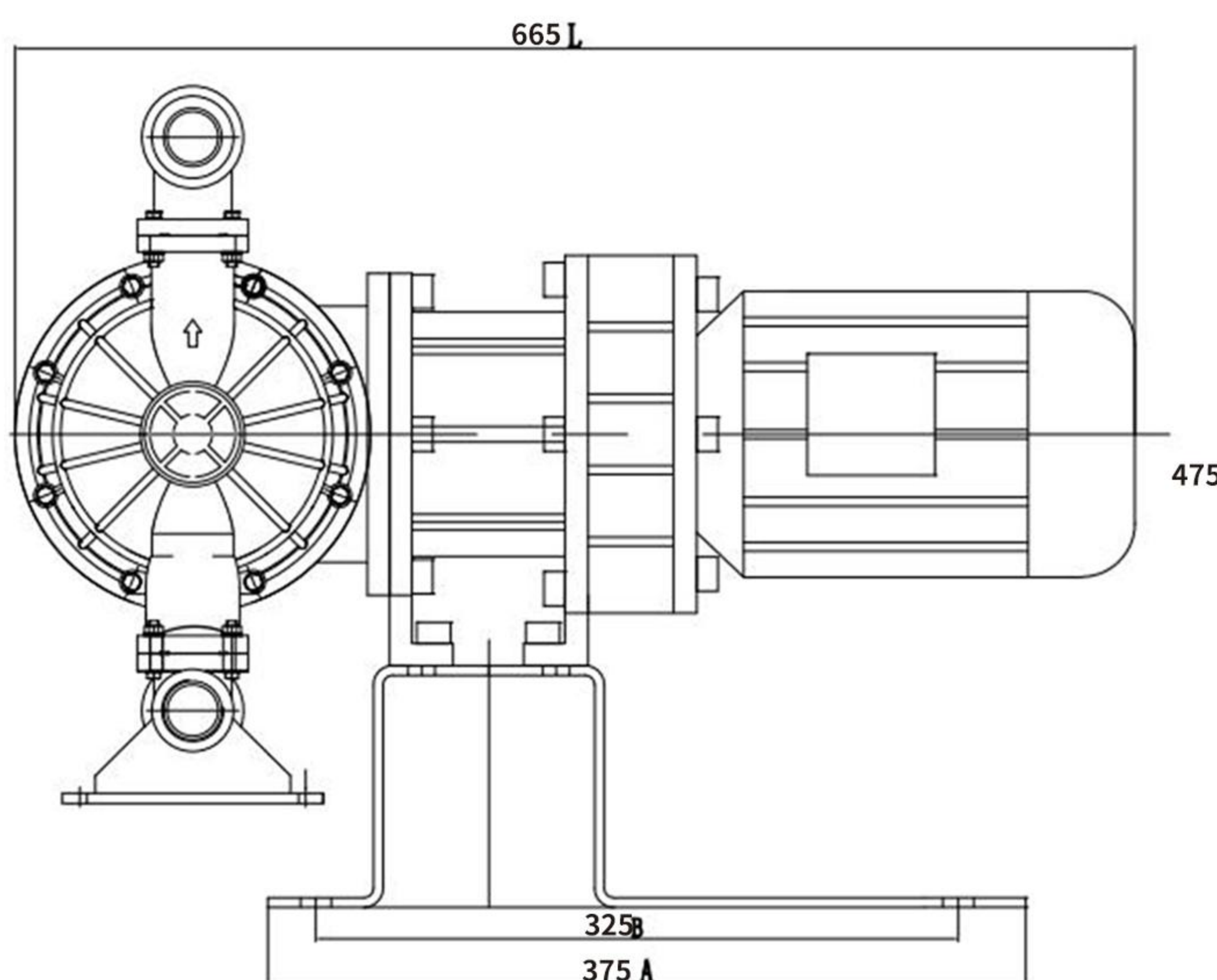
1-1/2 in

1.5KW

100psi (0.7Mpa, 7bar)

2.2KW

## 安装尺寸图Installation Dimension Drawing

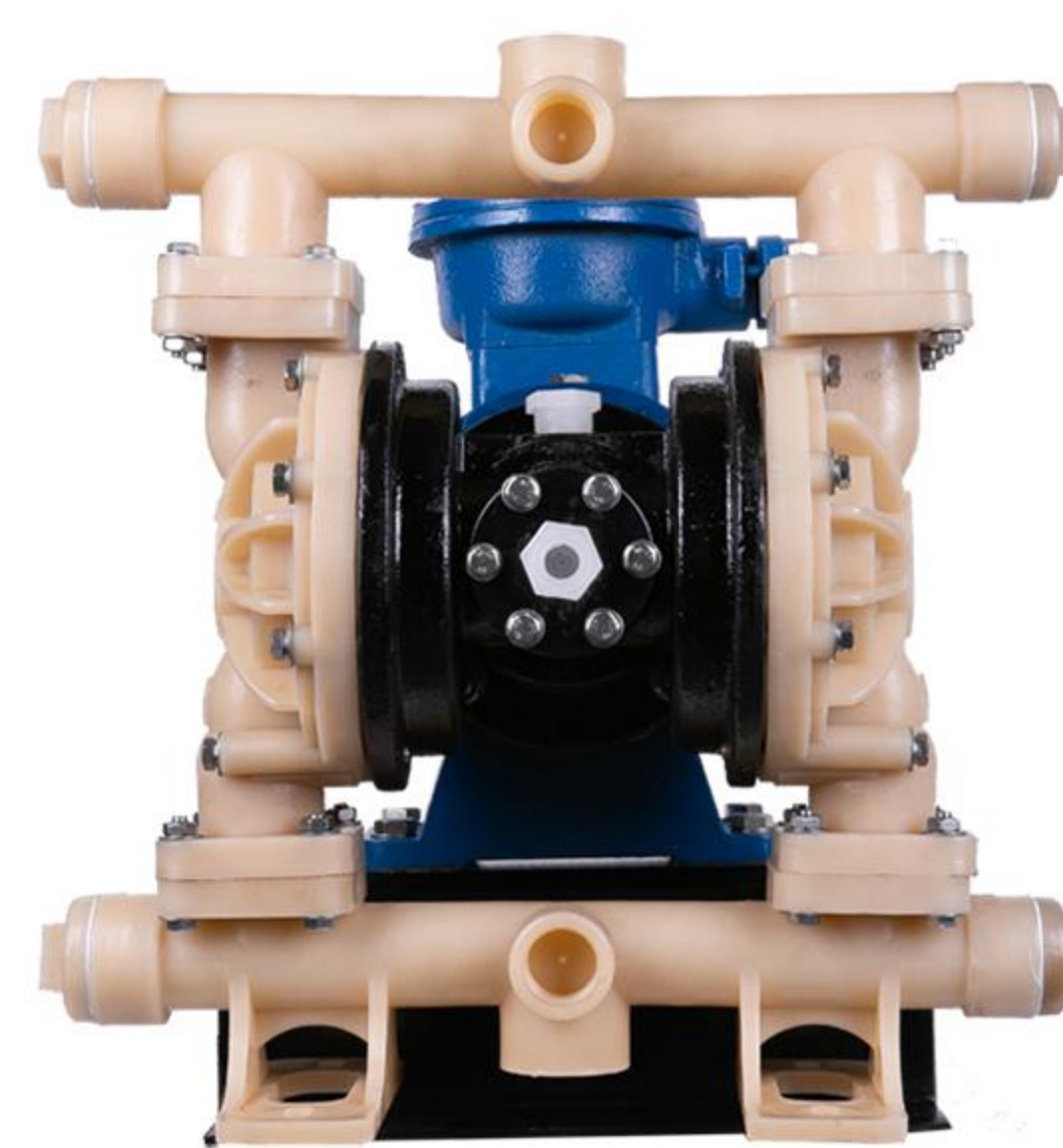


单位:mm  
unit:mm

→32←

4XΦ16

# DBY3-32 DBY3-40



泵体材质：工程塑料、氟塑料

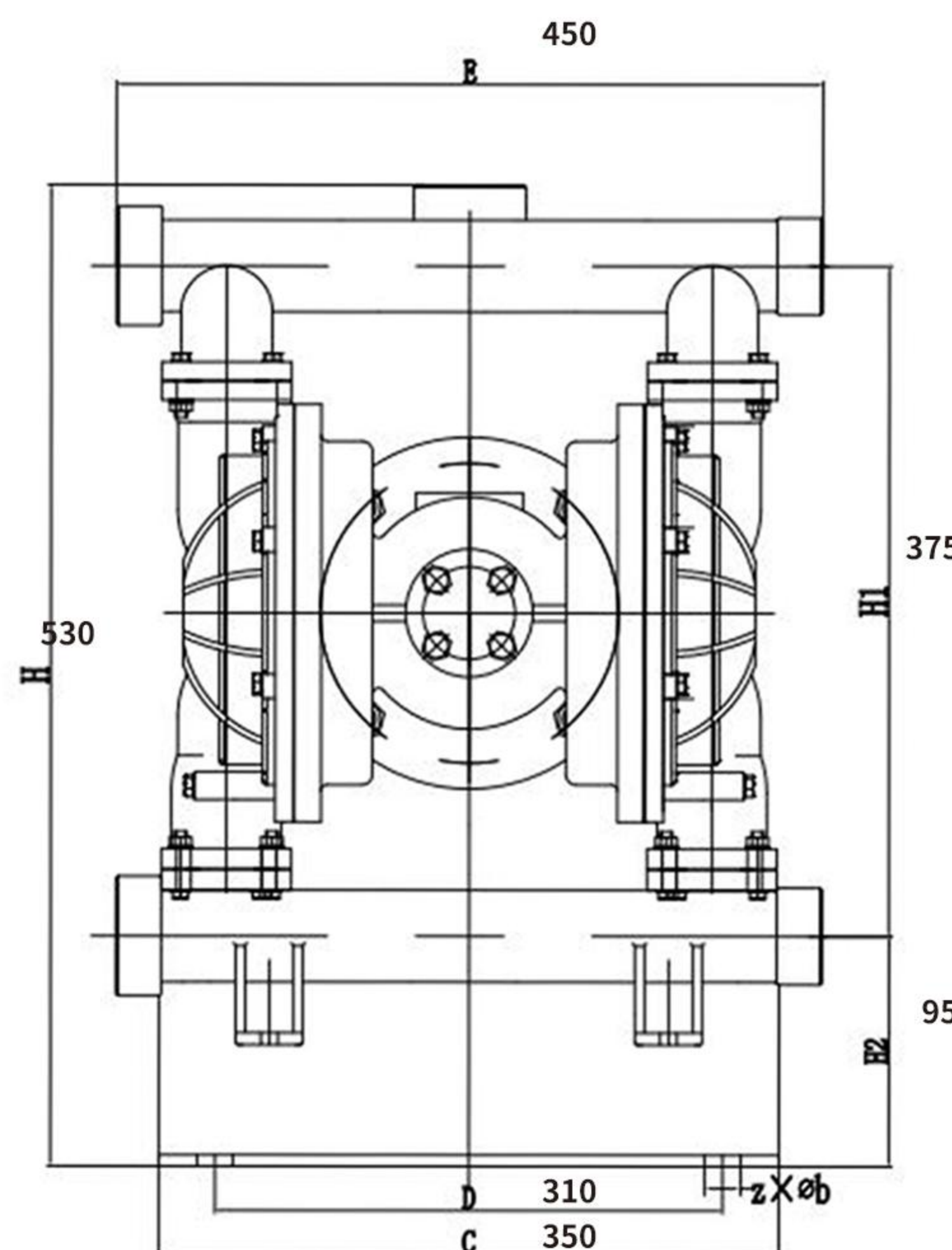
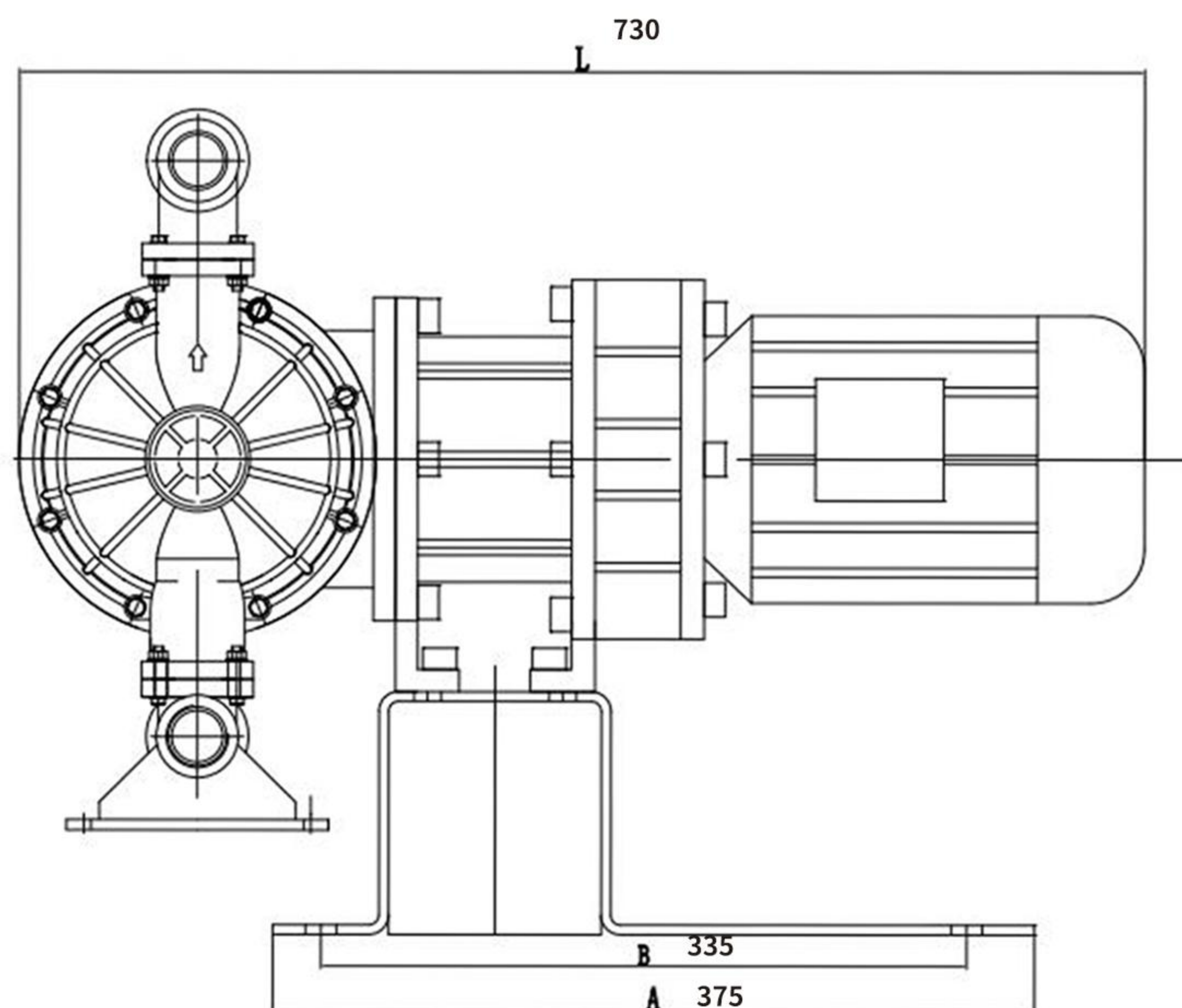
Pump body material: engineering plastics、fluorine plastic

## 技术参数technical parameter

低压力 (L) Low pressure (L)  
 最大工作流量Max. working flow  
 最大往复速度Max. reciprocating speed  
 最大虹吸高度Max. siphon height  
 最大输送固体颗粒Max. conveying solid particles  
 流体进口尺寸Fluid inlet size  
 流体出口尺寸Fluid outlet size  
 低压电机功率Low voltage motor power  
 高压力 (H) high pressure (H)  
 高压电机功率High voltage motor power

	DBY3-32	DBY3-40
低压力 (L) Low pressure (L)	58psi (0.4Mpa, 4bar)	58psi (0.4Mpa, 4bar)
最大工作流量Max. working flow	15.2gpm (57 lpm)	15.2gpm (57 lpm)
最大往复速度Max. reciprocating speed	276cpm	276cpm
最大虹吸高度Max. siphon height	18ft (5.0m)	18ft (45.0m)
最大输送固体颗粒Max. conveying solid particles	1/8in (3.5mm)	1/8in (3.5mm)
流体进口尺寸Fluid inlet size	1-1/4in	1-1/2 in
流体出口尺寸Fluid outlet size	1-1/4in	1-1/2 in
低压电机功率Low voltage motor power	1.5KW	1.5KW
高压力 (H) high pressure (H)	100psi (0.7Mpa, 7bar)	100psi (0.7Mpa, 7bar)
高压电机功率High voltage motor power	2.2KW	2.2KW

## 安装尺寸图Installation Dimension Drawing



单位:mm  
unit:mm

4XΦ16



# DBY3-50 DBY3-65



泵体材质：铸铁、铝合金、不锈钢（304,316,316L）

Pump body material: Cast iron、aluminum alloy、stainless steel (304,316,316L)

## 技术参数technical parameter

低压力 (L) Low pressure (L)  
 最大工作流量Max. working flow  
 最大往复速度Max. reciprocating speed  
 最大虹吸高度Max. siphon height  
 最大输送固体颗粒Max. conveying solid particles  
 流体进口尺寸Fluid inlet size  
 流体出口尺寸Fluid outlet size  
 低压电机功率Low voltage motor power  
 高压力 (H) high pressure (H)  
 高压电机功率High voltage motor power

### DBY3-50

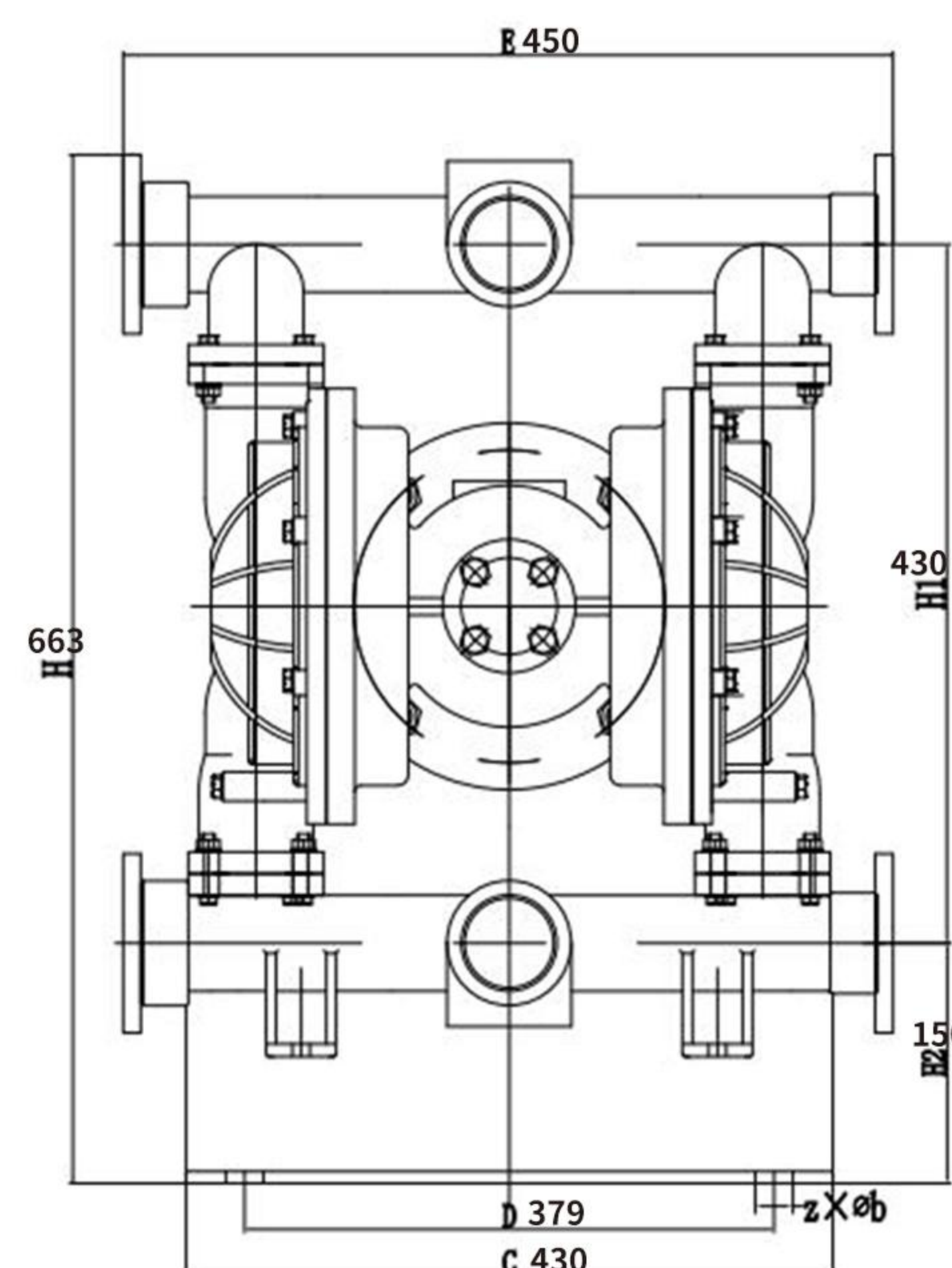
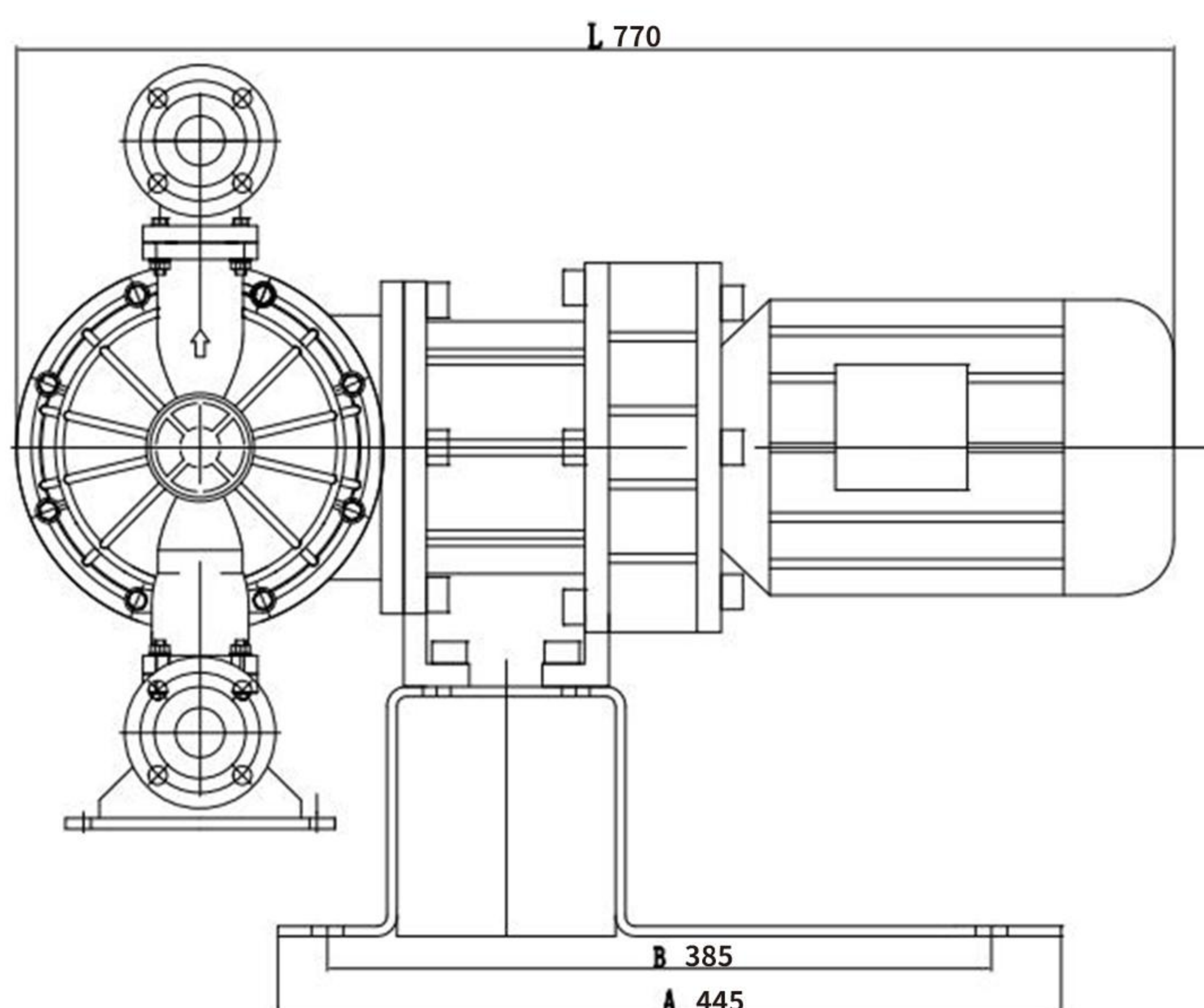
58psi (0.4Mpa, 4bar)  
 45.9gpm (170 lpm)  
 276cpm  
 18ft (5.0m)  
 3/16 in (5mm)  
 2 in  
 2 in  
 2.2KW  
 100psi (0.7Mpa, 7bar)  
 3KW

### DBY3-65

58psi (0.4Mpa, 4bar)  
 45.9 gpm (170 lpm)  
 276cpm  
 18ft (45.0m)  
 3/16 in (5mm)  
 2-1/2 in  
 2-1/2 in  
 2.2KW  
 100psi (0.7Mpa, 7bar)  
 3KW

## 安装尺寸图Installation Dimension Drawing

单位:mm  
unit:mm



4XΦ16



# DBY3-50 DBY3-65



**泵体材质：工程塑料、氟塑料**

**Pump body material: engineering plastics, fluoroplastics**

**技术参数technical parameter**

低压力 (L) Low pressure (L)  
 最大工作流量Max. working flow  
 最大往复速度Max. reciprocating speed  
 最大虹吸高度Max. siphon height  
 最大输送固体颗粒Max. conveying solid particles  
 流体进口尺寸Fluid inlet size  
 流体出口尺寸Fluid outlet size  
 低压电机功率Low voltage motor power  
 高压力 (H) high pressure (H)  
 高压电机功率High voltage motor power

**DBY3-50**

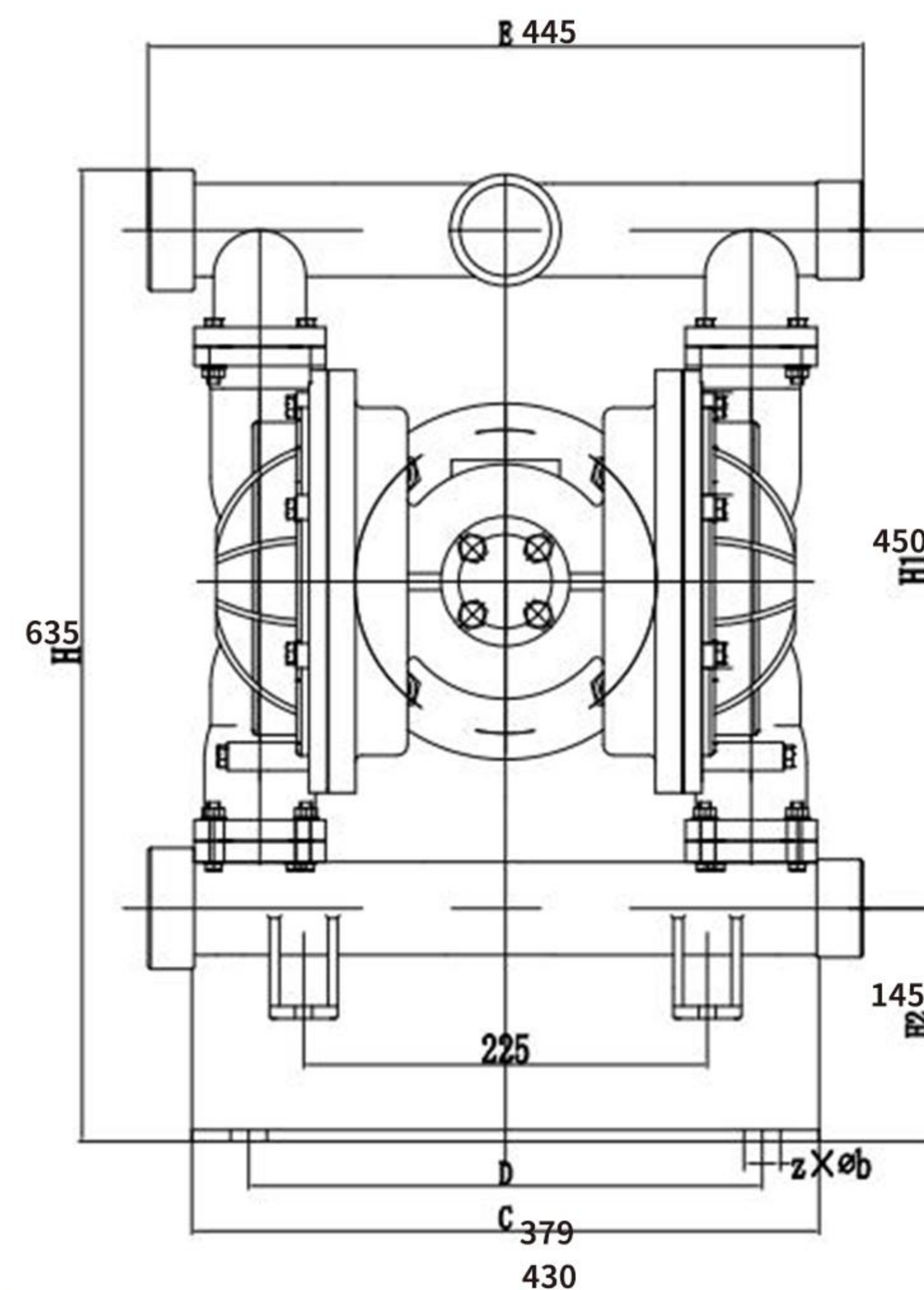
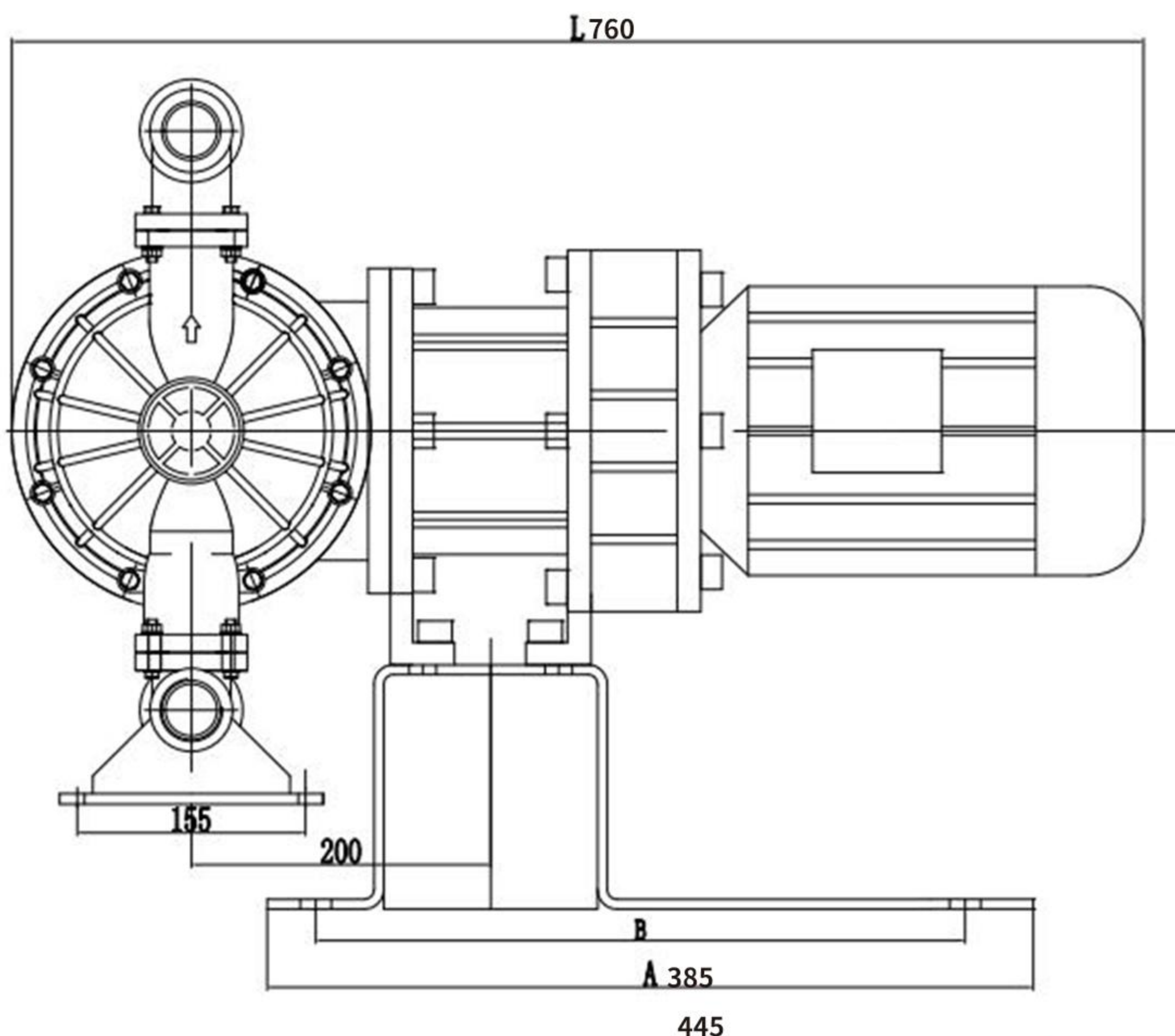
58psi (0.4Mpa, 4bar)  
 45.9gpm (170 lpm)  
 276cpm  
 18ft (5.0m)  
 3/16 in (5mm)  
 2 in  
 2 in  
 2.2KW  
 100psi (0.7Mpa, 7bar)  
 3KW

**DBY3-65**

58psi (0.4Mpa, 4bar)  
 45.9 gpm (170 lpm)  
 276cpm  
 18ft (45.0m)  
 3/16 in (5mm)  
 2-1/2 in  
 2-1/2 in  
 2.2KW  
 100psi (0.7Mpa, 7bar)  
 3KW

**安装尺寸图Installation Dimension Drawing**

单位:mm  
 unit:mm



4XΦ16



# DBY3-80 DBY3-100



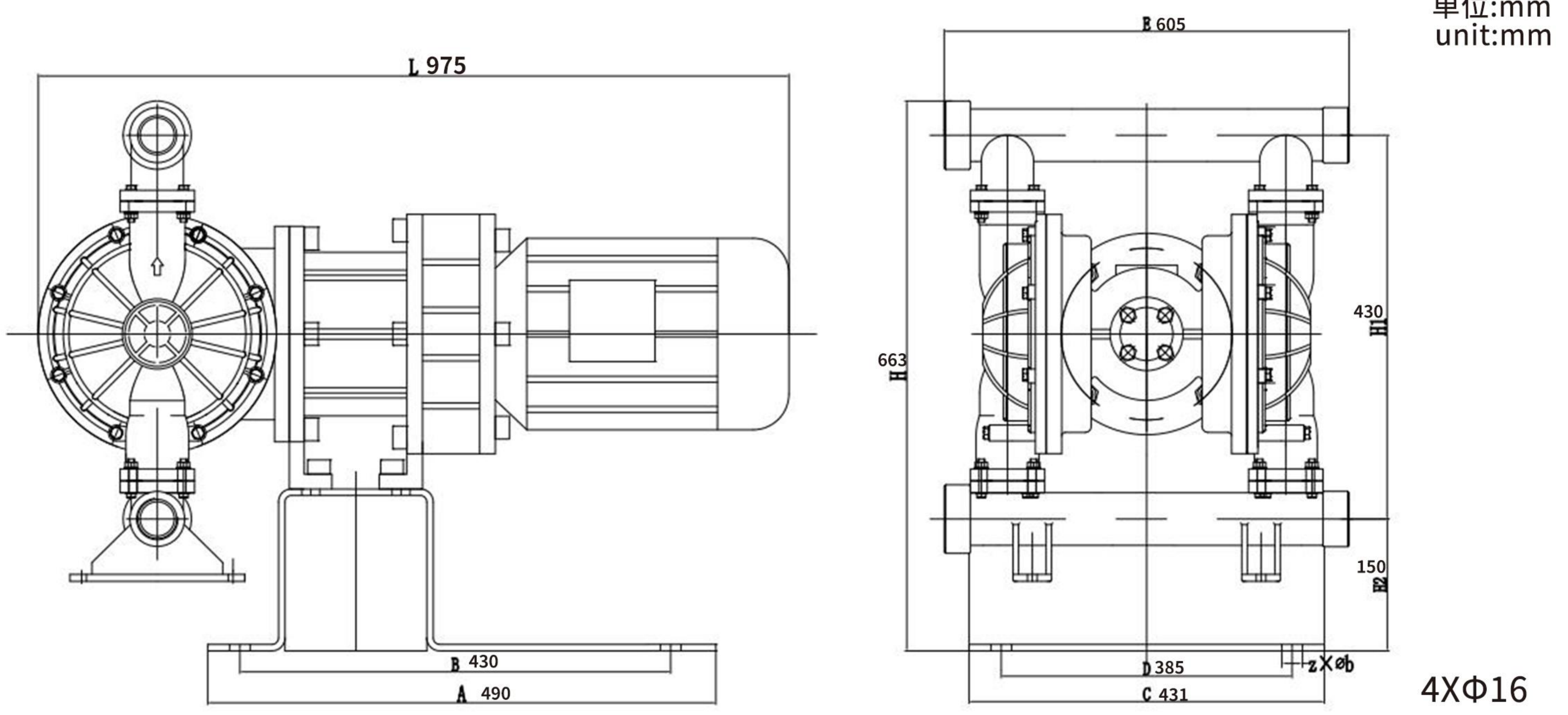
泵体材质：铸铁、铝合金、不锈钢（304,316,316L）

Pump body material: Cast iron、aluminum alloy、stainless steel (304,316,316L)

## 技术参数technical parameter

	DBY3-80	DBY3-100
低压力 (L) Low pressure (L)	58psi (0.4Mpa, 4bar)	58psi (0.4Mpa, 4bar)
最大工作流量Max. working flow	90gpm (334 lpm)	90gpm (334 lpm)
最大往复速度Max. reciprocating speed	145cpm	145cpm
最大虹吸高度Max. siphon height	18ft (5.0m)	18ft (45.0m)
最大输送固体颗粒Max. conveying solid particles	1/4 in (6.5mm)	1/4 in (6.5mm)
流体进口尺寸Fluid inlet size	3 in	4 in
流体出口尺寸Fluid outlet size	3 in	4 in
低压电机功率Low voltage motor power	3KW	3KW
高压力 (H) high pressure (H)	100psi (0.7Mpa, 7bar)	100psi (0.7Mpa, 7bar)
高压电机功率High voltage motor power	4KW	4KW

## 安装尺寸图Installation Dimension Drawing



# DBY3-80 DBY3-100



**泵体材质：工程塑料、 氟塑料**

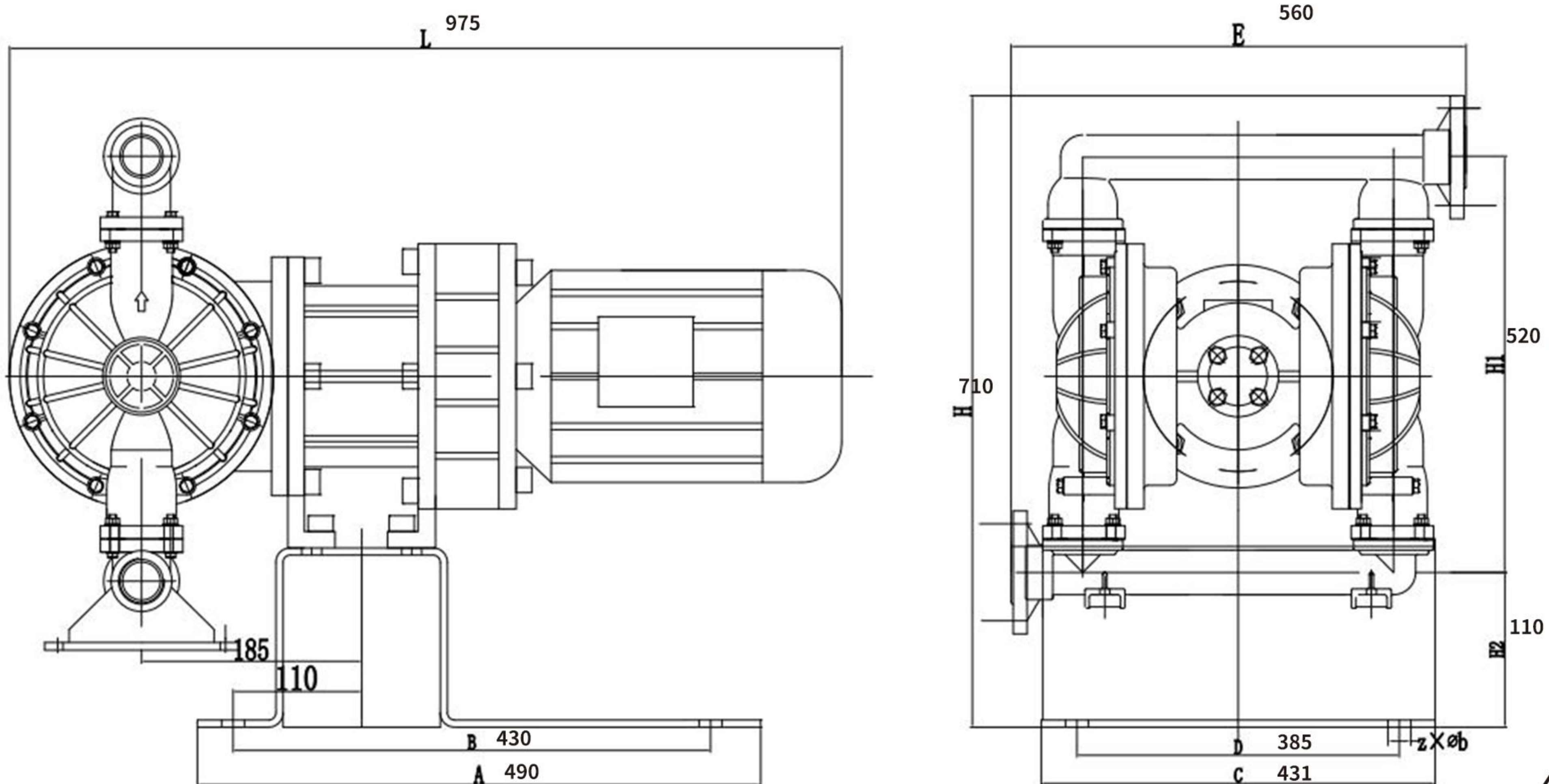
**Pump body material: engineering plastics、 fluoroplastics**

## 技术参数technical parameter

	DBY3-80	DBY3-100
低压力 (L) Low pressure (L)	58psi (0.4Mpa, 4bar)	58psi (0.4Mpa, 4bar)
最大工作流量Max. working flow	90gpm (334 lpm)	90gpm (334 lpm)
最大往复速度Max. reciprocating speed	145cpm	145cpm
最大虹吸高度Max. siphon height	18ft (5.0m)	18ft (45.0m)
最大输送固体颗粒Max. conveying solid particles	1/4 in (6.5mm)	1/4 in (6.5mm)
流体进口尺寸Fluid inlet size	3 in	4 in
流体出口尺寸Fluid outlet size	3 in	4 in
低压电机功率Low voltage motor power	3KW	3KW
高压力 (H) high pressure (H)	100psi (0.7Mpa, 7bar)	100psi (0.7Mpa, 7bar)
高压电机功率High voltage motor power	4KW	4KW

## 安装尺寸图Installation Dimension Drawing

单位:mm  
unit:mm





# DBY3-CF



泵体材质：钢衬四氟

Pump body material: Steel lined PTFE

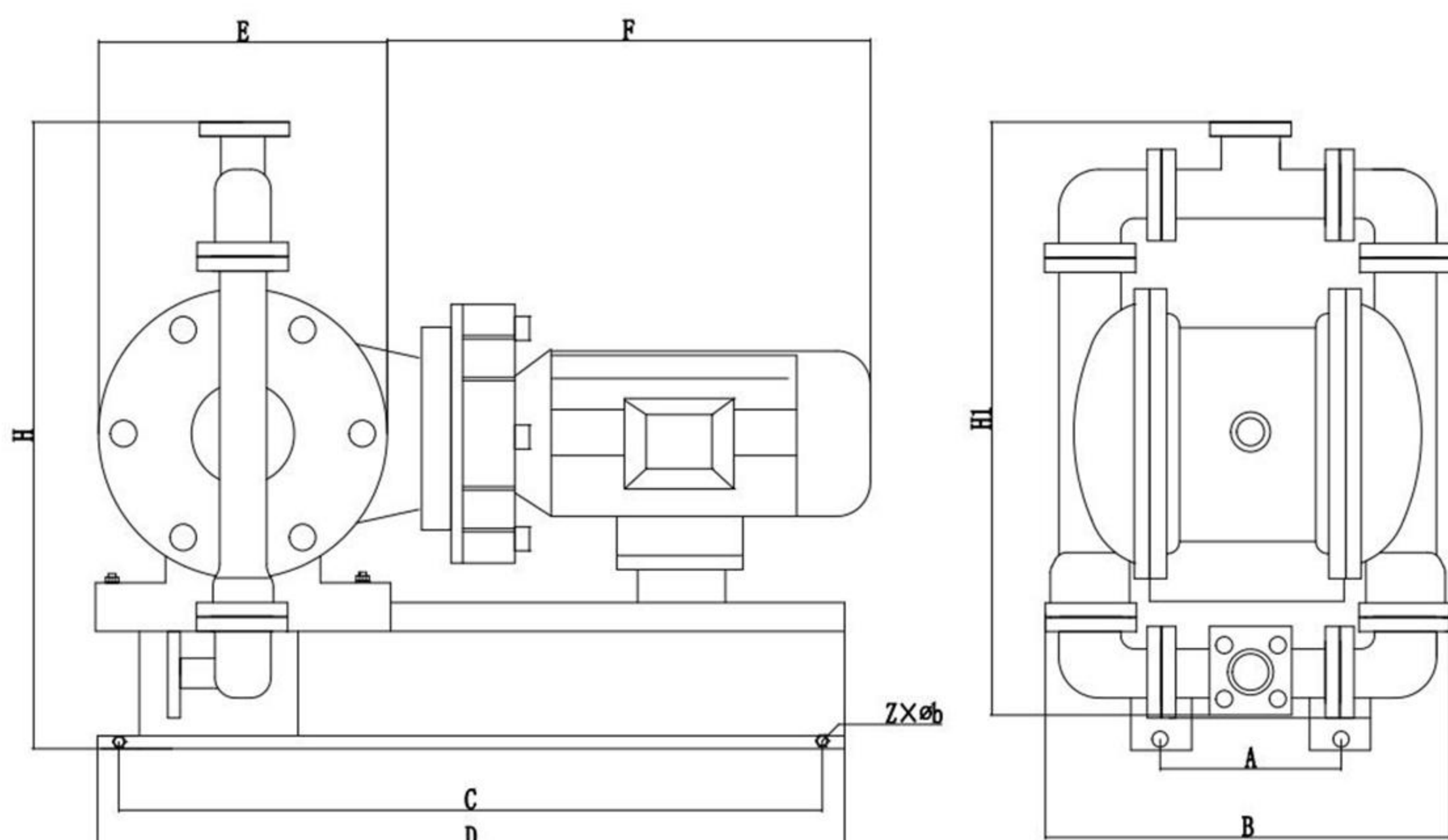
## 技术参数 technical parameter

型号	进出口径	最大流量	最大扬程	最大吸程	出口压力	通过颗粒	最高温度	电机功率
		(m <sup>3</sup> /H)	(m)	(m)	(kg)	(mm)	°C	(kw)
DBY3-CF40	DN40	3.3	40/70	5	4/7	4	150	1.5/2.2
DBY3-CF50	DN50	9.7	40/70	5	4/7	5	150	2.2/3
DBY3-CF65	DN65	9.7	40/70	5	4/7	5	150	2.2/3
DBY3-CF80	DN80	20	40/70	5	4/7	8	150	3/4
DBY3-CF100	DN100	20	40/70	5	4/7	8	150	3/4

备注：电机可根据实际扬程或压力定制，电机为普通电机、防爆电机、变频电机、变频防爆电机

## 安装尺寸图 Installation Dimension Drawing

单位:mm  
unit:mm

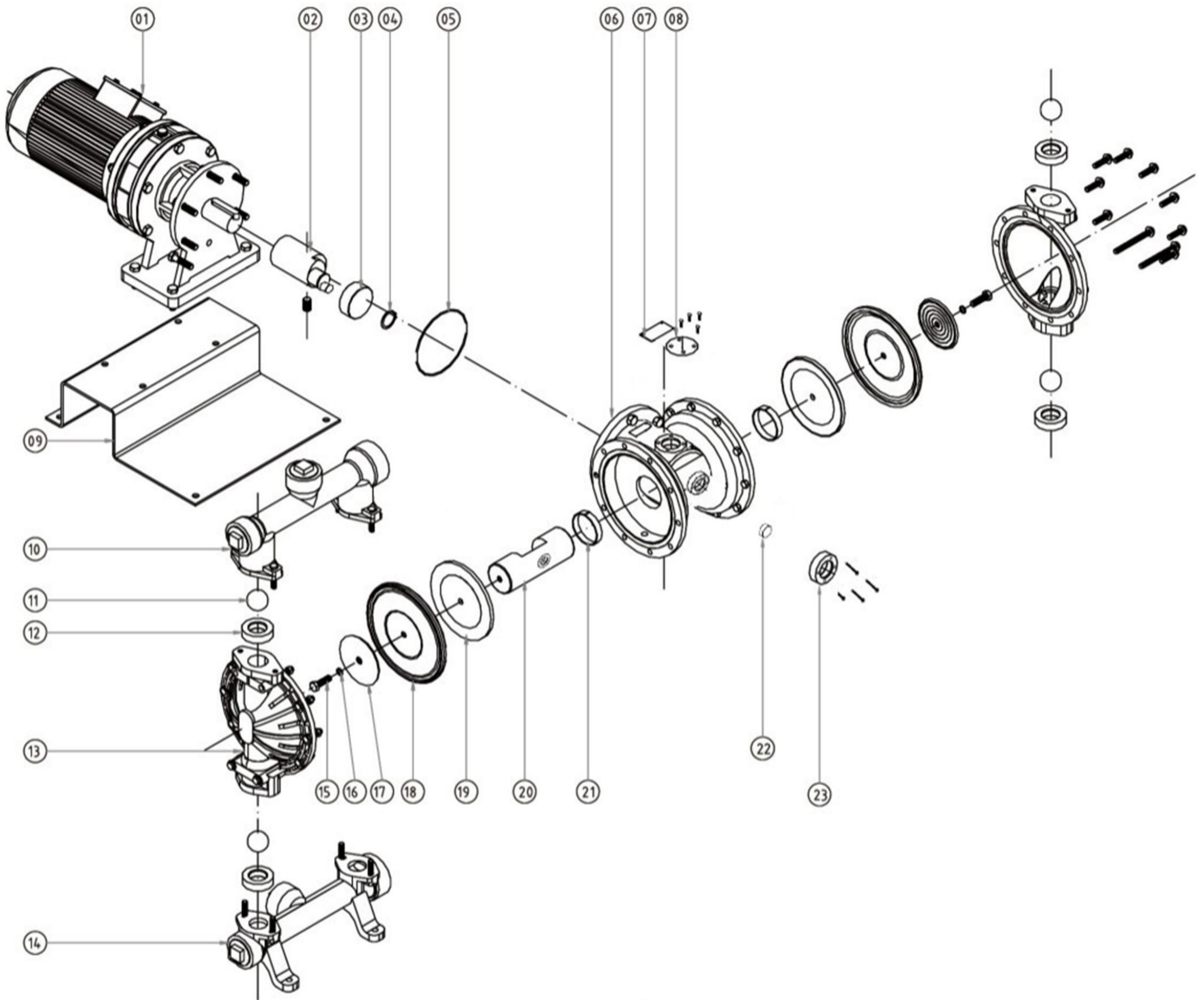


外形图仅供参考 Outline drawing for reference only

外形尺寸 External Dimensions									
型号	A	B	C	D	E	F	H	H1	ZxΦb
DBY3-40CF	115	460	480	560	235	400	500	480	4xΦ16
DBY3-50CF	265	570	315	500	345	450	780	765	4xΦ16
DBY3-65CF	265	570	315	500	345	450	780	765	4xΦ16
DBY3-80CF	490	680	640	970	455	580	860	775	4xΦ16
DBY3-100CF	490	680	640	970	455	580	860	775	4xΦ16

# DBY3爆炸图

## THE DBY3 EXPLOSION



Parts list 零部件明细表

序号NO.	名称NAME	序号NO.	名称NAME	序号NO.	名称NAME	序号NO.	名称NAME
1	电机 Electric machinery	2	偏心轴 Eccentric shaft	3	轴承 Bearing shaft	4	卡簧 Clamp spring
5	o型圈 O-ring	6	中间体 Mid body	7	标牌 Nameplate	8	检查窗 Checking cage
9	底座 Seat	10	出料口 Discharge manifold	11	球 Ball	12	球座 Ball seat
13	立柱 Stand column	14	进料口 Suction manifold	15	夹板螺丝 Screw	16	夹板O型圈 O-ring
17	外夹板 Outside plate	18	膜片 Diaphragm	19	内夹板 Inside plate	20	连杆轴 Connection rod shaft
21	连杆轴套 Connection rod jacket	22	端盖轴承 Endcap bearing	23	偏心轴端盖 Eccentric shaft end cover		



# 卫生级简介

## INTRODUCTION TO HYGIENE CLASS



卫生级隔膜泵与其他隔膜泵最明显的区别在于采用三相先导式，消除了配气阀死点和泵停机现象。提供了可靠的换向装置来避免停机。本隔膜泵具有更大的流量，更好的输送性能。设计简单、使用可靠，寿命长久，所有配气阀部件可在不拆开整机的情况下进行更换。所以零部件经特殊处理能在腐蚀环境中坚固耐用。

The most obvious difference between sanitary diaphragm pumps and other diaphragm pumps is the use of a three-phase pilot type, which eliminates the dead center of the valve and pump shutdown. A reliable reversing device is provided to avoid downtime. The diaphragm pump has a larger flow rate and better delivery performance. The design is simple, reliable in use, and long in life. All valve parts can be replaced without disassembling the whole machine. Therefore, the parts can be durable in corrosive environments after special treatment.

特点：  
characteristics:



采用精密铸造，表面光滑整洁，并具有更高的强度。

Using precision casting, the surface is smooth and tidy, and has higher strength.



阀球采用专用机进一步研磨加工，圆整度高，密封性能好。

The valve ball is further ground and processed by a special machine, with high roundness and good sealing performance.



精确计算膜片移动距离，降低膜片受力，具有更长的使用寿命。

Accurately calculate the moving distance of the diaphragm, reduce the force of the diaphragm, and have a longer service life.



快速接头连接设计，密封性能好，实际干吸可达4-7米。

Quick joint connection design, good sealing performance, actual dry suction can reach 4-7 meters.



三段式上下盖，安装拆卸清洗灵活方便。

Three-stage upper and lower cover, flexible and convenient for installation, disassembly and cleaning.

# 应用领域

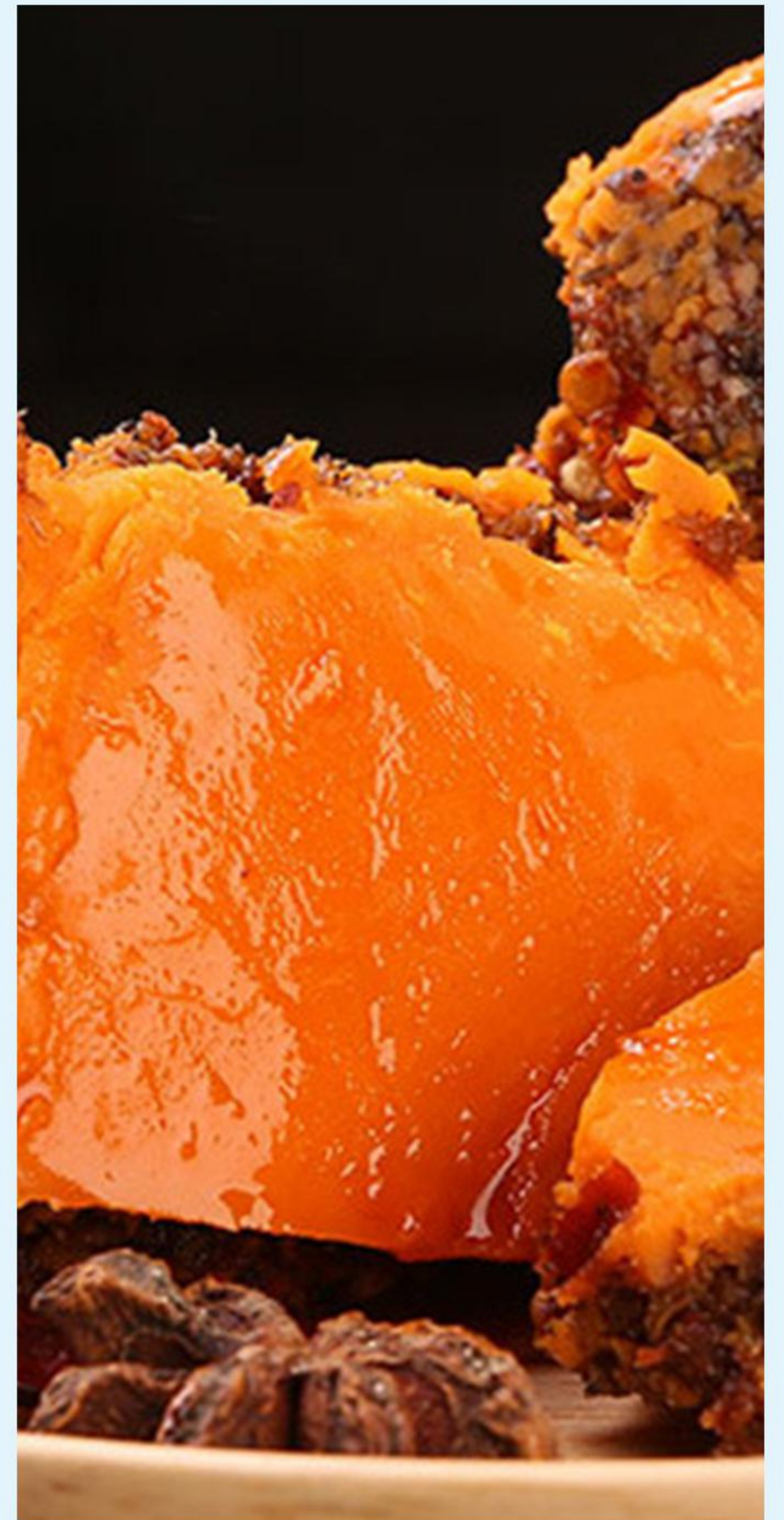
APPLICATION AREA



饮料工业  
Beverage industry



制药工业  
Pharmaceutical industry



食品工业  
food industry



化妆品工业  
Cosmetics industry



酒类工业  
Wine industry



乳制品工业  
Dairy industry



# QBY3-W



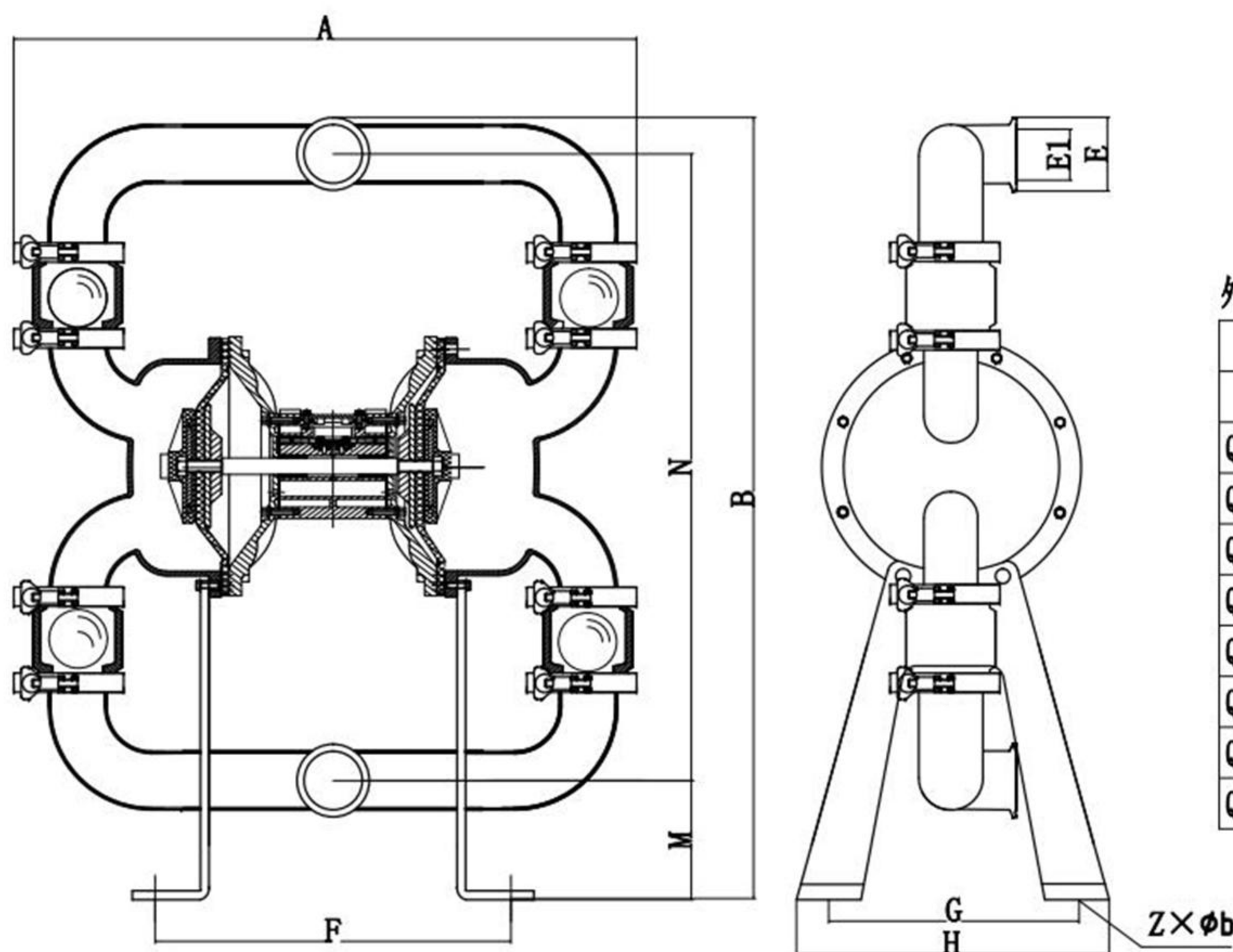
泵体材质：不锈钢304、不锈钢316L

Pump body material: Stainless steel 304、Stainless steel 316L

## 技术参数technical parameter

型号	进出口径	最大流量	最大扬程	最大吸程	出口压力	通过颗粒	最高温度	入气口径	耗气量	空压机推荐
		(m <sup>3</sup> /H)	(m)	(m)	(kg)	(mm)	℃	(in)	(m <sup>3</sup> /min)	(kw)
QBY3-W19	DN20	3	50	4	7	2.5	150	1/4	0.36	3
QBY3-W25	DN25	3	50	4	7	2.5	150	1/4	0.36	3
QBY3-W32	DN32	9	70	5	7	4	150	1/2	0.67	5.5
QBY3-W38	DN40	9	70	5	7	4	150	1/2	0.67	5.5
QBY3-W51	DN50	20	70	5	7	5	150	1/2	0.9	7.5
QBY3-W63	DN65	20	70	5	7	5	150	1/2	0.9	7.5
QBY3-W76	DN80	34	70	5	7	8	150	1/2	1.5-2.0	11-15
QBY3-W89	DN100	34	70	5	7	8	150	1/2	1.5-2.0	11-15

## 安装尺寸图Installation Dimension Drawing



单位:mm  
unit:mm

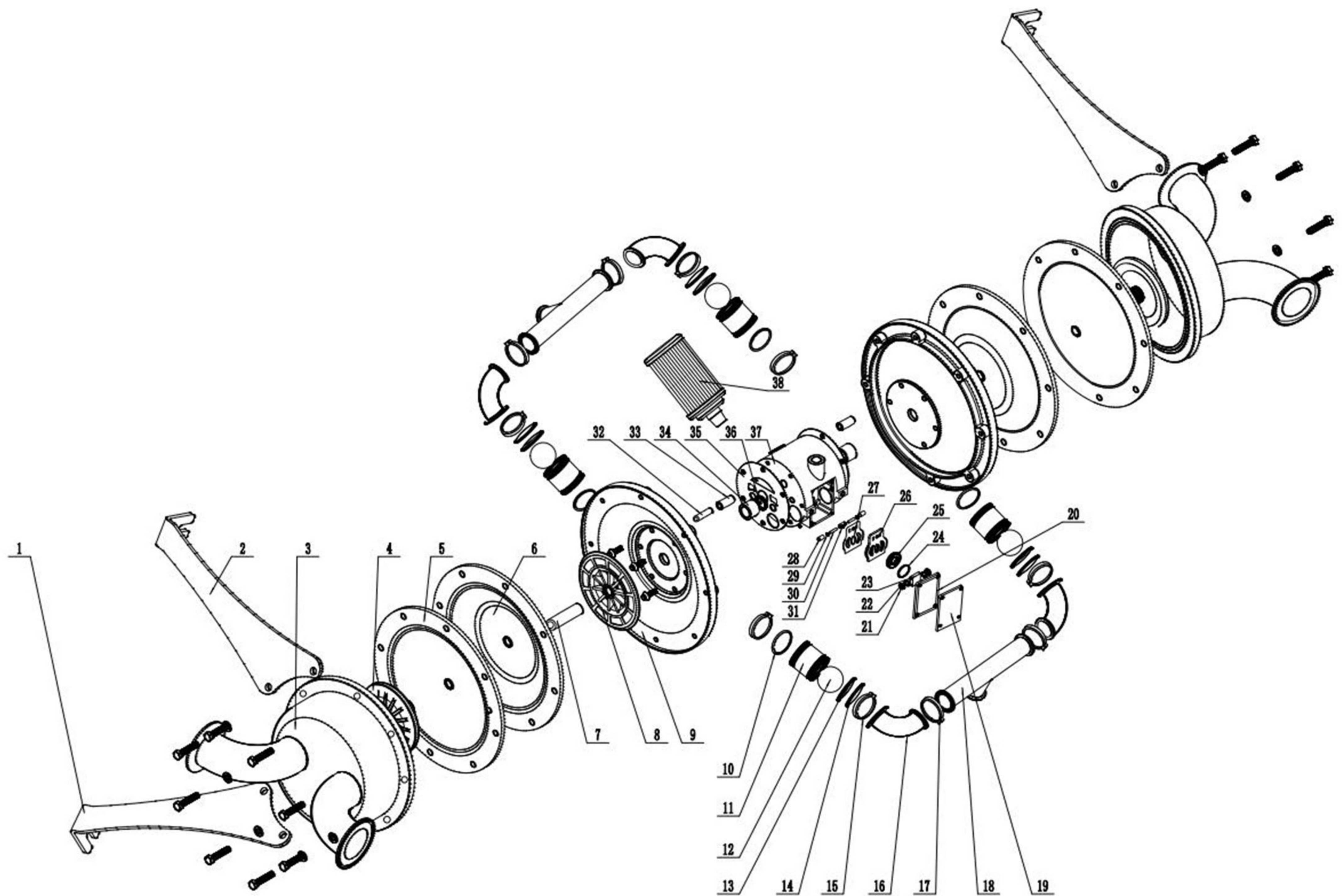
外形图仅作参考 Outline drawing for reference only

	外形尺寸 External Dimensions										重量 (KG)
	E	E1	A	B	F	M	N	G	H	Z×øb	
QBY3-W19	50.5	16	275	470	170	63	376	160	205	4×ø12	8
QBY3-W25	50.5	22	275	470	170	63	376	160	205	4×ø12	8
QBY3-W32	50.5	29	450	453	240	68	413	160	205	4×ø12	17
QBY3-W38	50.5	35	450	453	240	68	413	160	205	4×ø12	17
QBY3-W51	64	47	560	735	315	110	568	283	315	4×ø12	27
QBY3-W63	77	59	560	735	315	110	568	283	315	4×ø12	27
QBY3-W76	91	72	605	910	320	130	737	362	413	4×ø14	65
QBY3-W89	106	85	605	910	320	130	737	362	413	4×ø14	65



# QBY3-W爆炸图

QBY3-W EXPLOSION DIAGRAM



Parts list 零部件明细表

序号NO.	名称NAME	序号NO.	名称NAME	序号NO.	名称NAME	序号NO.	名称NAME
1	左底角 The left foot	2	右底角 The right foot	3	活塞 Piston	4	立柱 Stand column
5	外压板 Outside splint	6	聚胶膜片 Polyethylene rubber	7	中间轴 Intermediate shaft	8	内压板 Inside splint
9	隔排 Alternate row	10	O型圈 O-ring	11	球座 Balls cat	12	球 Ball
13	球座挡片 Balls cat washer	14	O型圈 O-ring	15	B型卡箍 B type clamp	16	快装弯头 Quick install
17	A型卡箍 A type clamp	18	进出料管 In out tube	19	气阀盖 Air ca lace cap	20	气阀盖垫片 Air ca lace cap gasket
21	活塞 Piston	22	O型圈 O-ring	23	大滑块铝件 Slider aluminum parts	24	大滑块O型圈 Large slider O-ring
25	大滑块塑料件 Large slider plastic parts	26	引导块 Guidance block	27	引导块垫片 Guidance block gasket	28	助力杆套 Power-assist shaft cover
29	助力杆O型圈 Power-assist shaft O-ring	30	助力杆 Power-assist shaft	31	小滑块 Small slider parts	32	换向轴 Reversing shaft
33	换向轴套 Reversing shaft cover	34	中间轴套 Intermediate sleeve	35	气阀室垫片 Air valve cap gasket	36	密封圈 Seal ring
37	气阀室 Valve cage cover	38	消声器 Silencer				



# DBY3-W



泵体材质：不锈钢304、不锈钢316L

Pump body material: Stainless steel 304、Stainless steel 316L

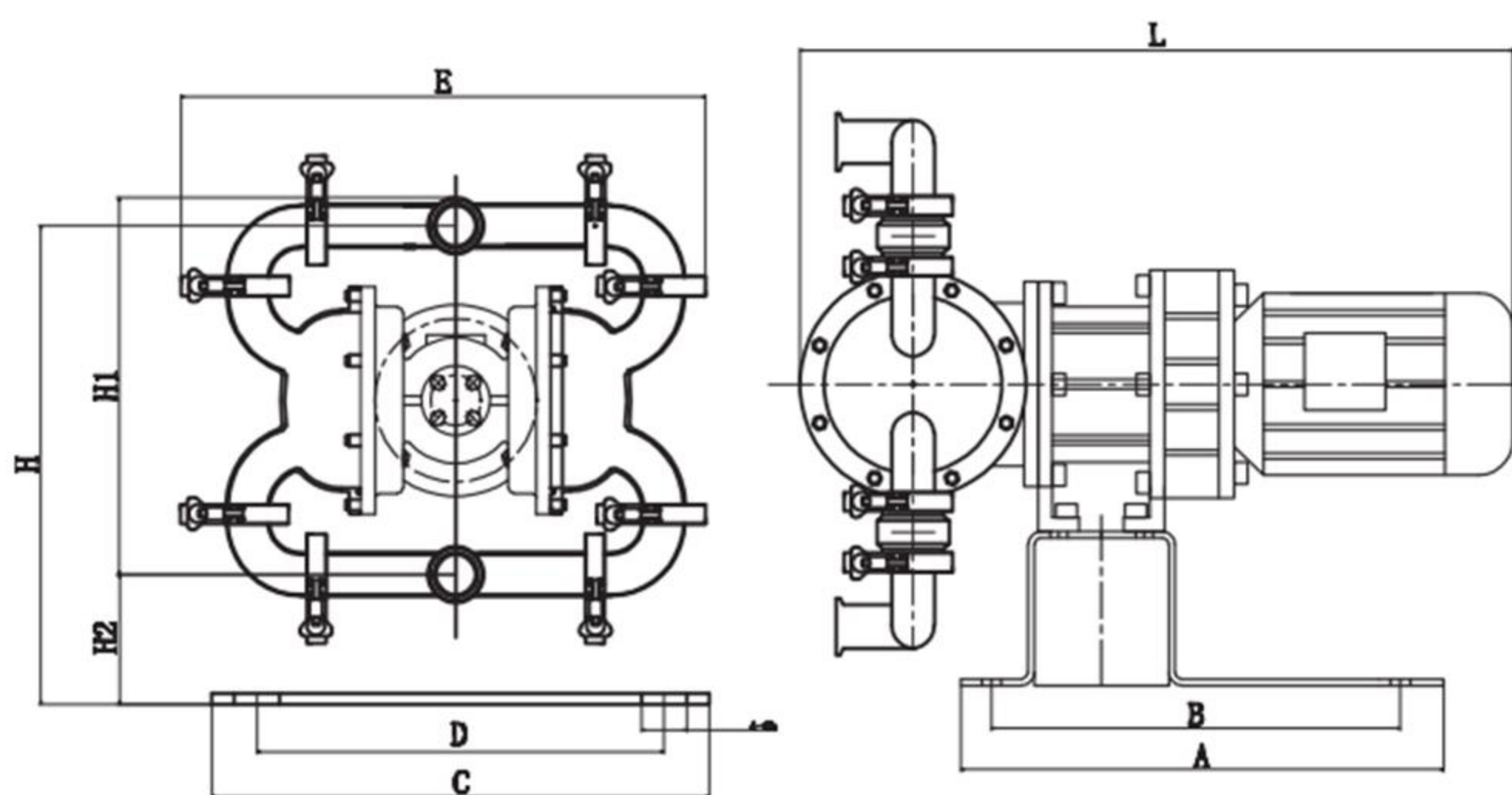
## 技术参数technical parameter

型号	进出口径	最大流量	最大扬程	最大吸程	出口压力	通过颗粒	最高温度	电机功率
		(m <sup>3</sup> /m)	( m )	( m )	( kg )	( mm )	°C	( kw )
DBY3-W20	DN20	1.56	40/70	4	4/7	2.5	150	0.55/0.75
DBY3-W25	DN25	1.56	40/70	4	4/7	2.5	150	0.55/0.75
DBY3-W32	DN32	3.3	40/70	5	4/7	4	150	1.5/2.2
DBY3-W40	DN40	3.3	40/70	5	4/7	4	150	1.5/2.2
DBY3-W50	DN50	9.7	40/70	5	4/7	5	150	2.2/3
DBY3-W65	DN65	9.7	40/70	5	4/7	5	150	2.2/3
DBY3-W80	DN80	20	40/70	5	4/7	8	150	3/4
DBY3-W100	DN100	20	40/70	5	4/7	8	150	3/4

备注：电机可根据实际扬程或压力定制，电机为普通电机、防爆电机、变频电机、变频防爆电机

单位:mm  
unit:mm

## 安装尺寸图Installation Dimension Drawing

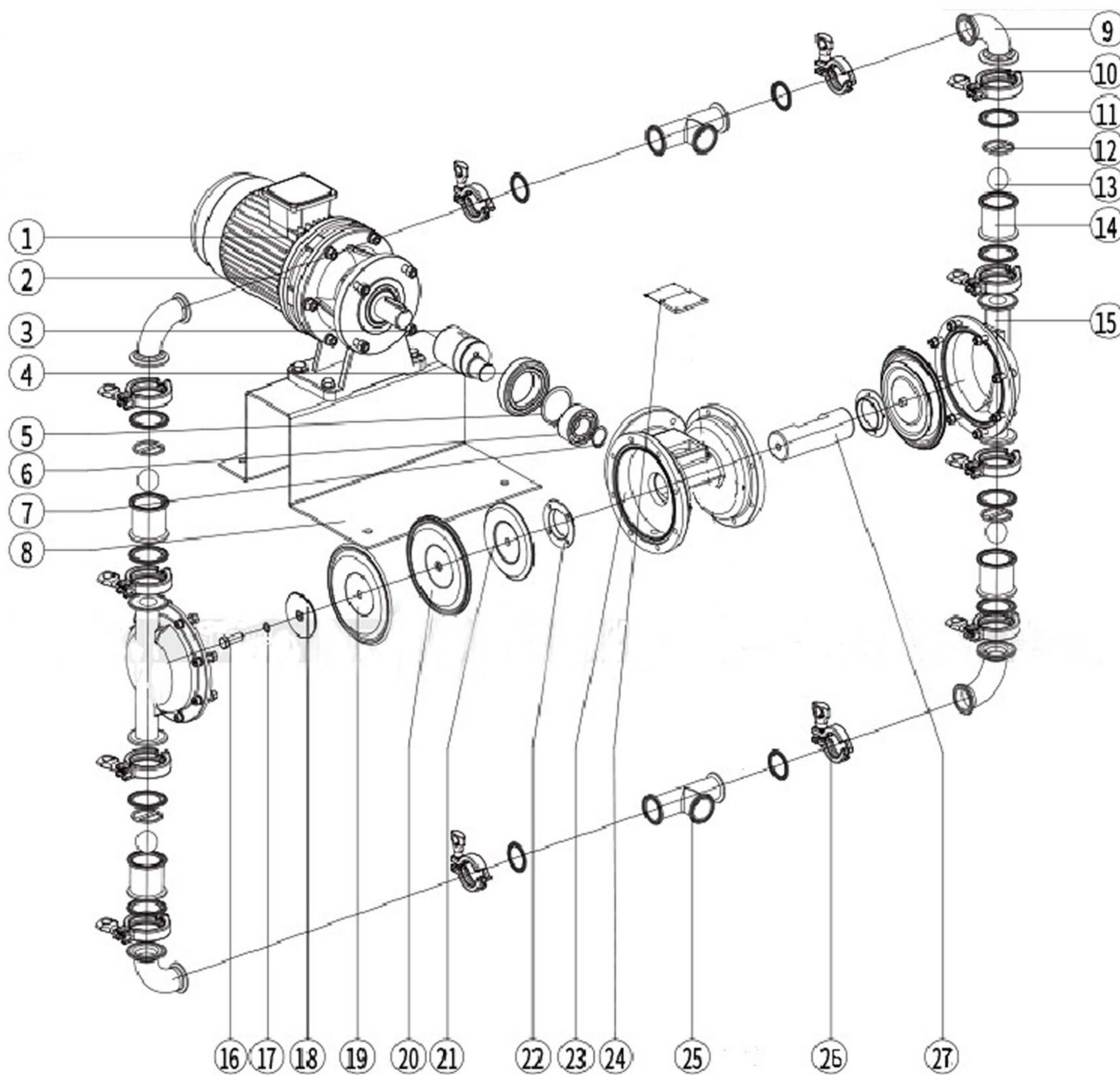


## 外形图仅供参考 Outline drawing for reference only

外形尺寸External Dimensions									
型号	A	B	C	D	E	L	H	H1	Zxφb
DBY3-W20	325	278	262	223	273	518	410	402	4xφ16
DBY3-W25	325	278	262	223	273	518	410	402	4xφ16
DBY3-W32	380	337	350	307	450	635	475	430	4xφ16
DBY3-W40	380	337	350	307	450	635	475	430	4xφ16
DBY3-W50	448	397	430	378	556	760	645	585	4xφ16
DBY3-W65	448	397	430	378	556	760	645	585	4xφ16
DBY3-W80	548	485	520	410	590	850	730	625	4xφ16
DBY3-W100	548	485	520	410	590	850	730	625	4xφ16

# DBY3-W爆炸图

DBY3-W EXPLOSION PATTERN



## Parts list 零部件明细表

序号NO.	名称NAME	序号NO.	名称NAME	序号NO.	名称NAME	序号NO.	名称NAME
1	电机 Electric machinery	2	减速机 Reducer	3	偏心轴 Eccentric shaft	4	大轴承 Large bearing
5	大卡簧 Large snap ring	6	小轴承 Small bearing	7	小卡簧 Small snap ring	8	电动底座 Electric machinery seat
9	快装接头 Quick coupling	10	快装大卡箍 Quick big clamp	11	快装垫片 Quick gasket	12	球座挡片 Balls cat washer
13	球 Ball	14	球座 Ball seat	15	立柱 Stand column	16	夹板螺丝 Screw
17	O型圈 O-ring	18	外压板 Outside splint	19	四氟膜片 PTFE gasket	20	聚胶膜片 Pol vet hv lene rubber
21	内压板 Inside splint	22	连杆轴套 Connecting rod sleeve	23	中间体 Middle boby	24	标牌 Signs
25	三通管道 Tee pipe	26	快装小卡箍 Quick small clamp	27	连杆轴 Connecting rod shaft		



# 配件及附件

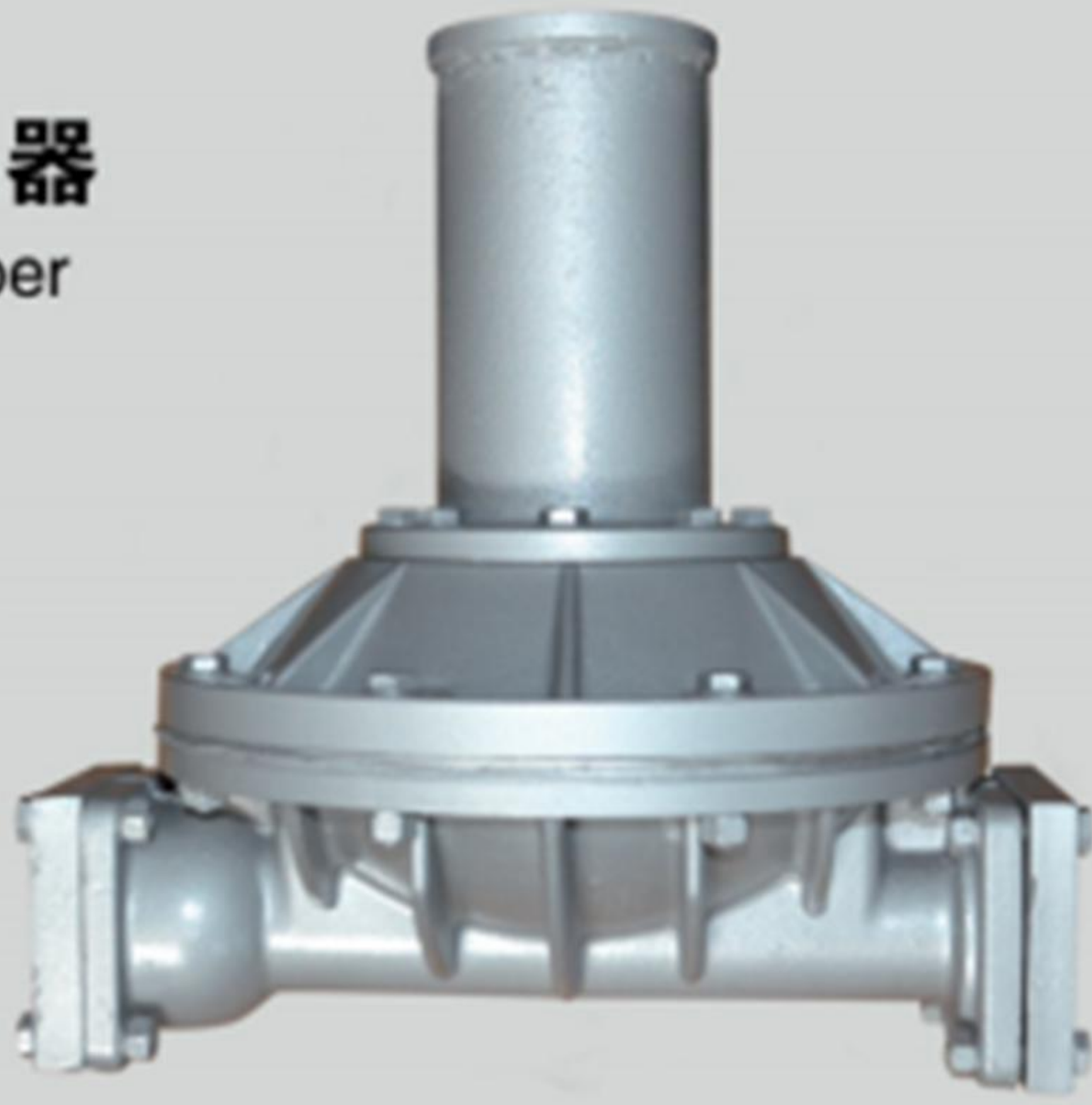
ACCESSORIES AND ACCESSORIES

## 附件一 Attachment 1



附件二 Attachment 2

脉冲阻尼器  
Pulse Damper



快速接头  
Quickfit



A型  
Type A

B型  
Type B

C型  
Type C

D型  
Type D

DC型  
Type DC

E型  
Type E

DP型  
Type DP

宝塔接头  
Pagoda Joint

F型  
Type F

气动三联件  
Pneumatic FRL



双片式球阀  
Twin Ball Valve



单片式球阀  
Monolithic Ball Valve





# 磁力驱动泵

## MAGNETIC DRIVEN PUMP

### 简介:

磁力驱动泵(简称磁力泵)是将永磁联轴器的工作原理应用于离心泵的新产品,设计合理,工艺先进,具有全密封,无泄漏,耐腐蚀等特点。磁力泵由泵、磁力传动器、电动机三部分组成。关键部件磁力传动器由外磁转子、内磁转子及不导磁的隔离套组成。当电动机带动外磁转子旋转时,磁场能穿透空气隙和非磁性物质,带动与叶轮相连的内磁转子作同步旋转,实现动力的无接触传递,将动密封转化为静密封。由于泵轴、内磁转子被泵体、隔离套完全封闭,从而彻底解决了"跑、冒、滴、漏"问题,消除了炼油化工行业易燃、易爆、有毒、有害介质通过泵密封泄漏的安全隐患。

### 优点:

- 1、完全无泄漏
- 2、磁力离心泵由于传动轴不需要穿入泵壳,而是利用磁场透过磁场和隔离套薄壁传动扭矩带动内磁转子,因此从根本上消除了轴封的泄露通道,实现完全密封。
- 3、磁力驱动泵传递动力时有过载保护作用。
- 4、磁力泵磁性材料与磁路设计有较高的要求外,其余部分技术要求不高。
- 5、磁力驱动泵的维护和检修工作量小。

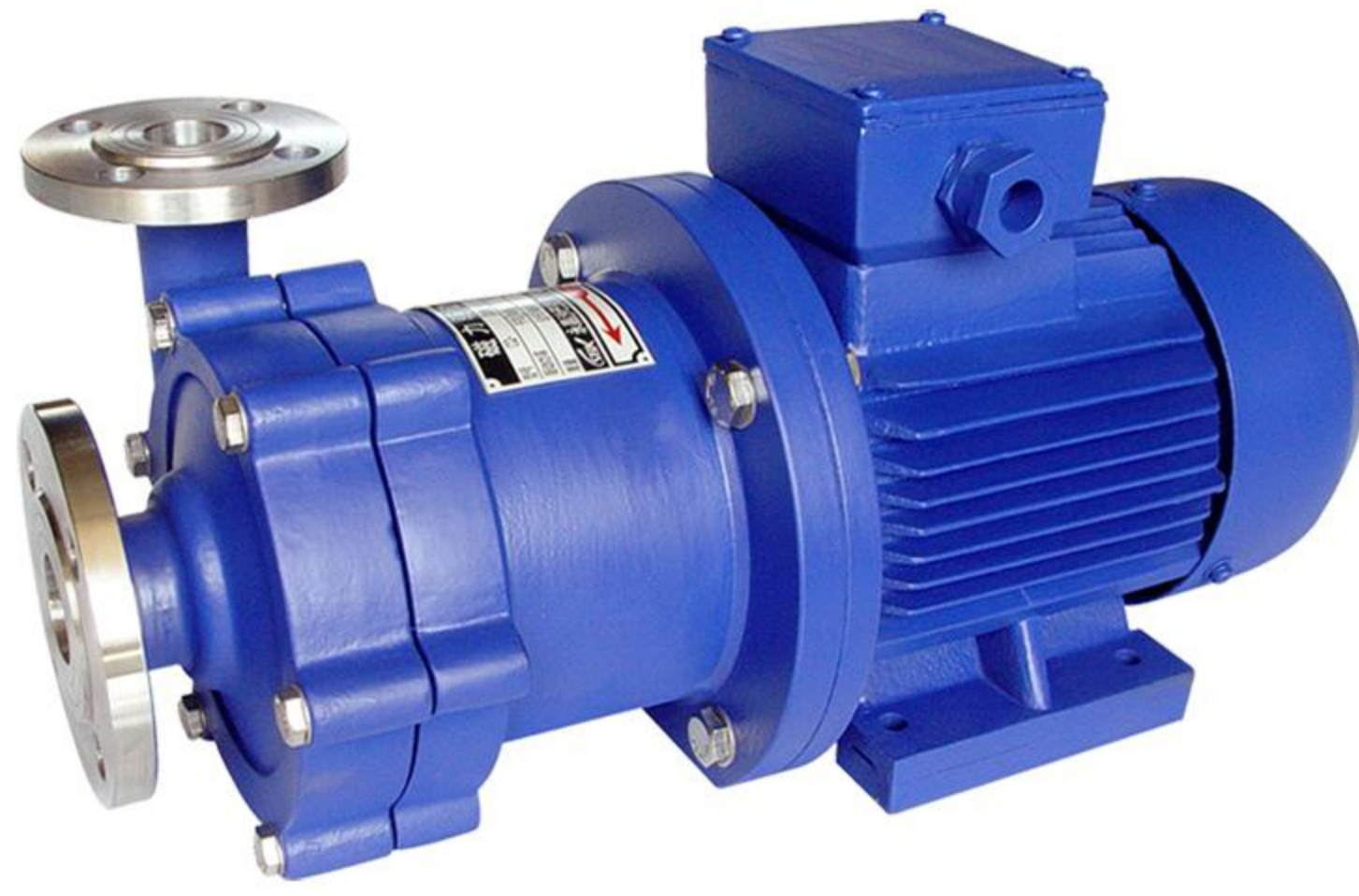
### Introduction:

Magnetic drive pump (referred to as magnetic pump) is a new product that applies the working principle of permanent magnet coupling to centrifugal pumps. It has reasonable design, advanced technology, full sealing, no leakage, and corrosion resistance. The magnetic pump is composed of three parts: a pump, a magnetic drive, and a motor. The key components of the magnetic drive are composed of an outer magnetic rotor, an inner magnetic rotor and a non-magnetic isolation sleeve. When the motor drives the outer magnetic rotor to rotate, the magnetic field can penetrate the air gap and non-magnetic materials, and drive the inner magnetic rotor connected to the impeller to rotate synchronously, realize the contactless transmission of power, and convert the dynamic seal into a static seal. Because the pump shaft and inner magnetic rotor are completely enclosed by the pump body and the isolation sleeve, the problems of "running, dripping, and leakage" are completely solved, and the leakage of flammable, explosive, toxic and harmful media in the refining and chemical industry through the pump seal is eliminated. Safety hazards

### Advantage:

1. No leakage
2. Because the drive shaft of the magnetic centrifugal pump does not need to penetrate the pump casing, it uses the magnetic field to drive the inner magnetic rotor through the magnetic field and the thin-walled transmission torque of the isolation sleeve, so the leakage passage of the shaft seal is fundamentally eliminated and a complete seal is achieved.
3. The magnetic drive pump has an overload protection function when transmitting power.
4. The magnetic material and magnetic circuit design of the magnetic drive pump have higher requirements, but the technical requirements of the other parts are not high.
5. The maintenance and repair work of the magnetic drive pump is small.





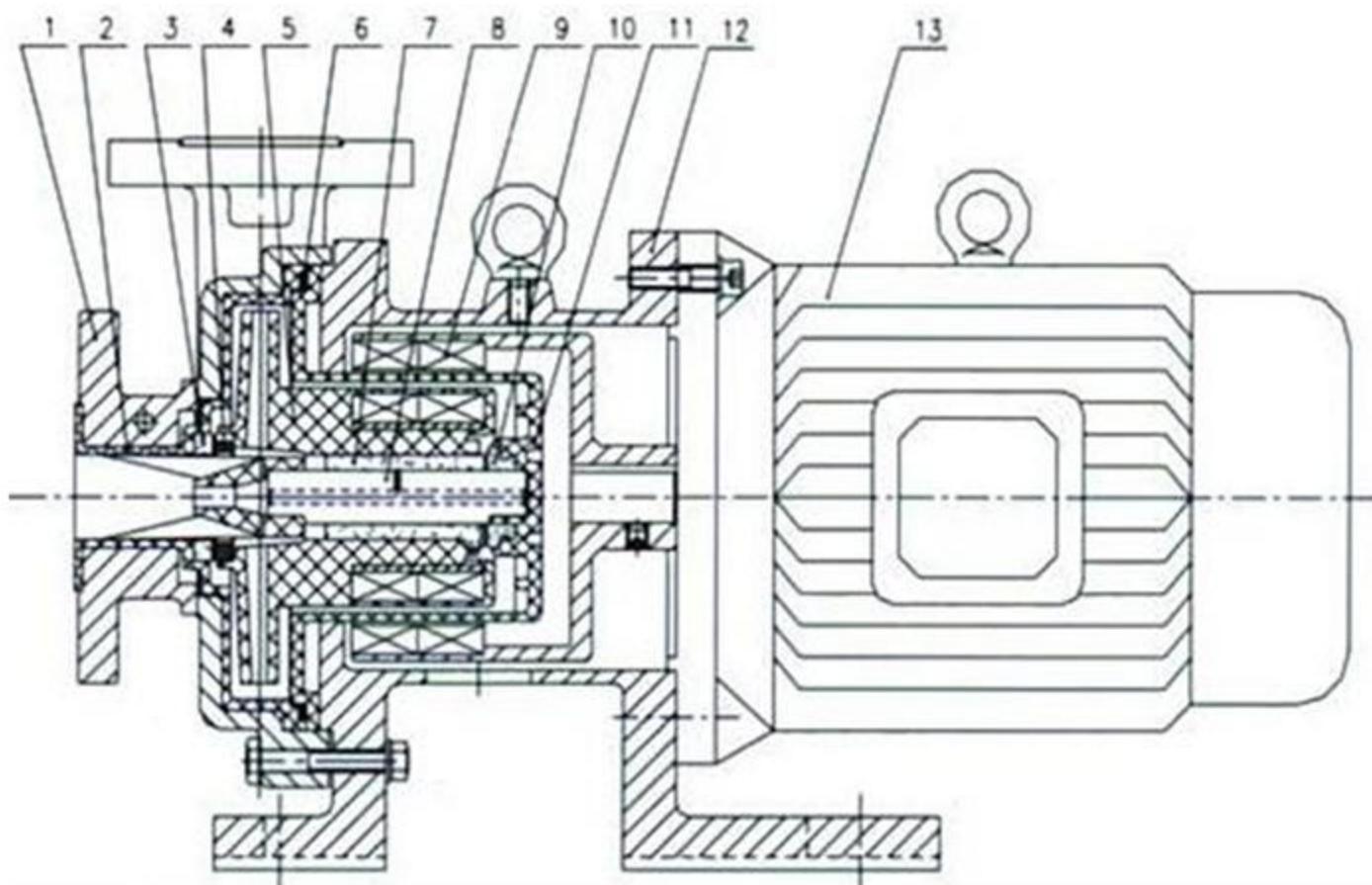
CQ型磁力泵由泵、磁力传动器、电动机三部分组成。关键部件磁力传动器由外磁转子、内磁转子及不导磁的隔离套组成。当电动机带动外磁转子旋转时，磁场能穿透空气隙和非磁性物质，带动与叶轮相连的内磁转子作同步旋转，实现动力的无接触传递，将动密封转化为静密封。由于泵轴、内磁转子被泵体、隔离套完全封闭，从而彻底解决了"跑、冒、滴、漏"问题，消除了化工行业易燃、易爆、有毒、有害介质通过泵密封泄漏的安全隐患。广泛应用于化工，制药，石油，电镀，食品。

CQ type magnetic pump is composed of three parts: pump, magnetic drive and motor. The key component of the magnetic drive consists of an outer magnetic rotor, an inner magnetic rotor and a non-magnetic isolation sleeve. When the motor drives the outer magnetic rotor to rotate, the magnetic field can penetrate the air gap and non-magnetic materials, and drive the inner magnetic rotor connected to the impeller to rotate synchronously, realizing the contactless transmission of power and transforming the dynamic seal into a static seal. Because the pump shaft and inner magnetic rotor are completely enclosed by the pump body and the isolating sleeve, the problem of "running, emitting, dripping, and leakage" is completely solved, and the leakage of flammable, explosive, toxic and harmful media in the chemical industry through the pump seal is eliminated. Security risks. It is widely used in chemical, pharmaceutical, petroleum, electroplating and food.

### 型号意义 Model meaning



### 结构图 Structure diagram



### Parts list 零部件明细表

序号NO.	名称NAME	序号NO.	名称NAME	序号NO.	名称NAME
1	进口法兰 Electric machinery	2	泵体衬套 Quick gasket	3	静环 Static ring
4	动环 Moving ring	5	叶轮、内磁钢总成 Impeller, inner	6	密封圈 Sealing ring
7	轴承 Bearing	8	泵轴 Pump shaft	9	外磁钢总成 Outer magnet
10	止推环 Thru string	11	隔离套 Isolation sleeve	12	联接架 Connection frame
13	电机 Motor				

### 性能参数 Performance parameter

型号	口径 (mm)		扬程 (m)	流量 (L/min)	功率 (kw)	转速 (r/min)	电压 (V)
	进口	出口					
25CQ-15	25	20	15	110	1.1	2900	380
32CQ-15	32	25	15	110	1.1	2900	380
32CQ-25	32	25	25	110	1.1	2900	380
40CQ-20	40	32	20	180	2.2	2900	380
40CQ-32	40	32	32	200	4	2900	380
50CQ-25	50	40	25	240	4	2900	380
50CQ-40	50	40	40	220	4	2900	380
50CQ-50	50	40	50	130	5.5	2900	380
65CQ-25	65	50	25	280	5.5	2900	380
65CQ-35	65	50	35	450	7.5	2900	380
80CQ-35	80	65	35	850	11	2900	380
80CQ-50	80	65	50	850	15	2900	380



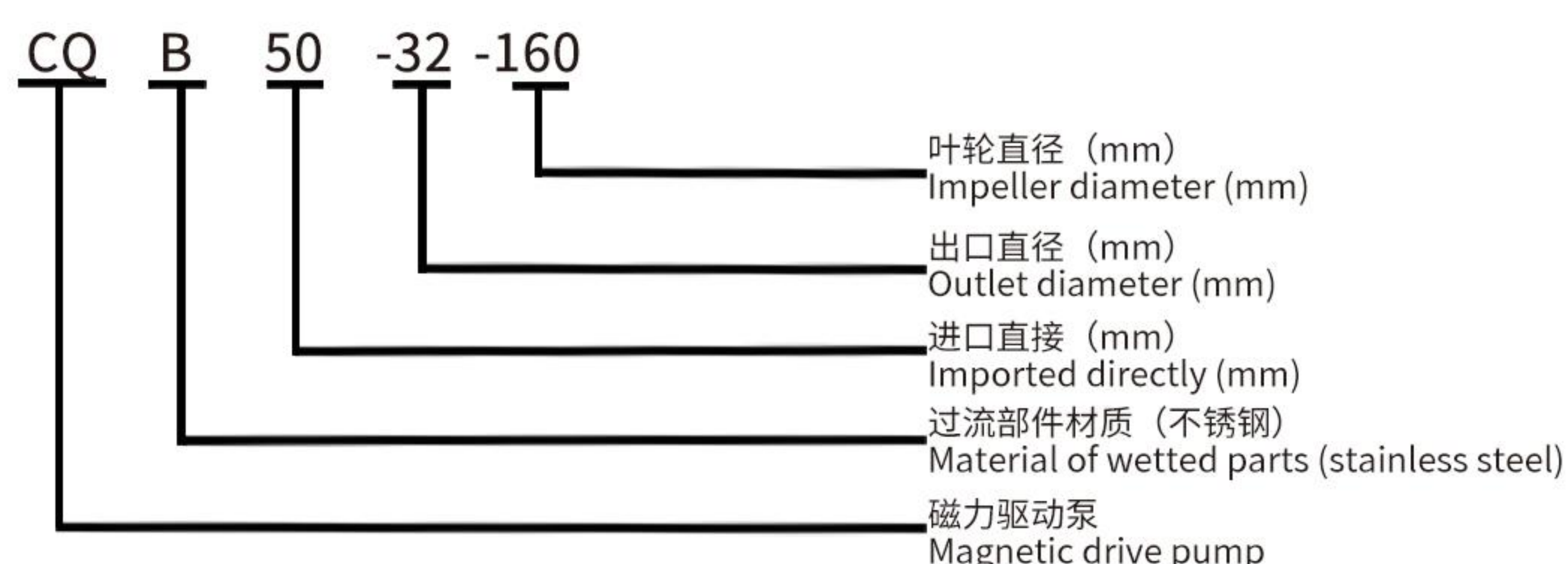
# CQB



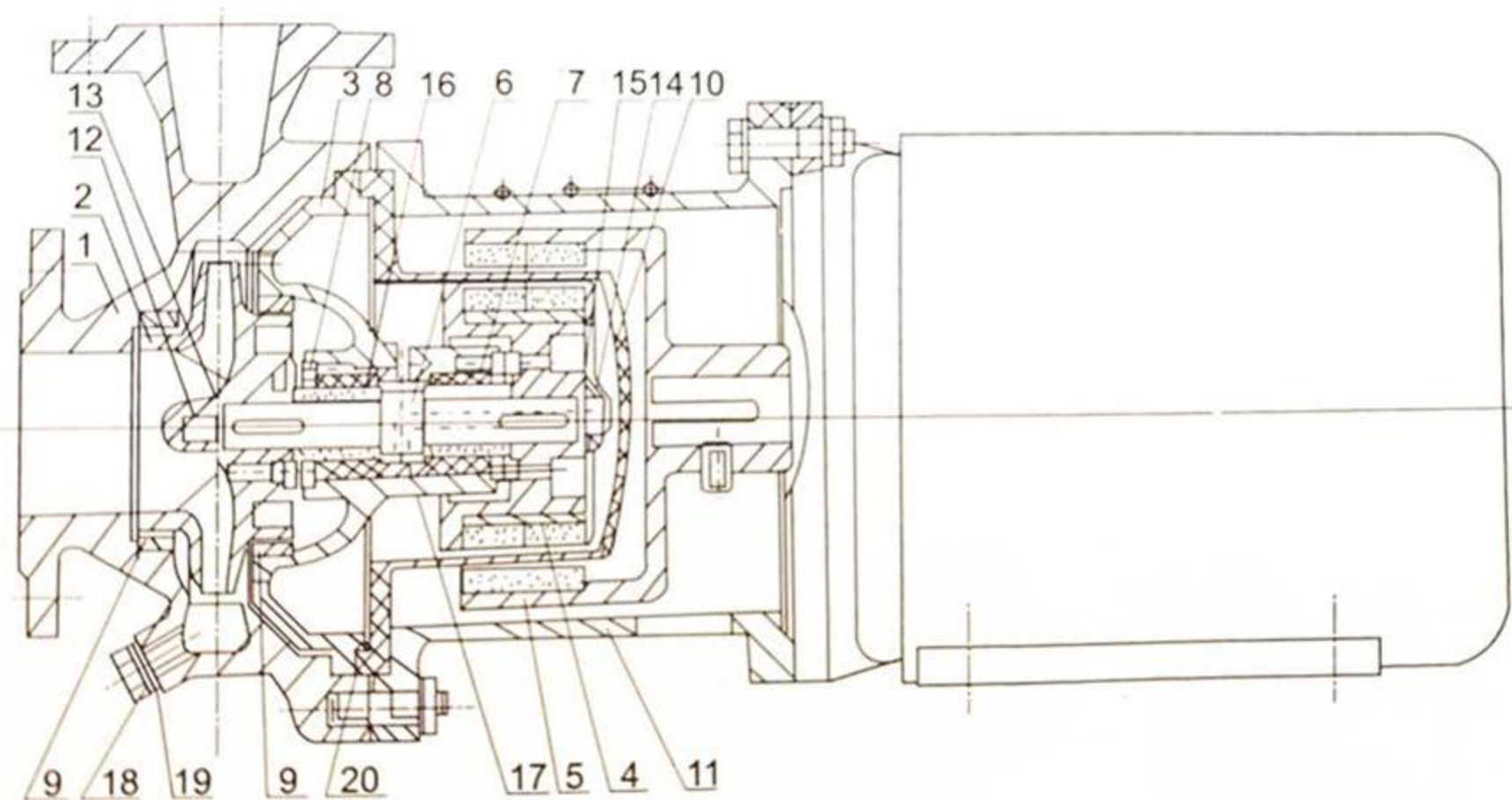
CQB磁力驱动泵是在原CQ型不锈钢磁力泵的基础进行设计、改制的，除驱动形式、密封形式不同外，其结构、原理等基本相同。CQB型磁力驱动泵是全国磁力泵联合设计组发的新型完全无泄漏耐腐蚀泵。该磁力泵过流部份采用全不锈钢材料,对有机酸,有机化合物,碱,中性溶液和多种气体都有良好的耐蚀性,双螺旋槽碳 石墨轴承和硬质合金轴套的磨合,具有较强的耐磨性,保证了产品的寿命,是无泄漏输送腐蚀性介质的理想泵。

The CQB magnetic drive pump is designed and restructured on the basis of the original CQ stainless steel magnetic drive pump. The structure and principle are basically the same except that the drive and sealing forms are different. CQB magnetic drive pump is a new type of completely leak-free corrosion-resistant pump developed by the National Magnetic Pump Joint Design Group. The flow part of the magnetic pump is made of all stainless steel material, which has good corrosion resistance to organic acids, organic compounds, alkalis, neutral solutions and various gases. The double spiral groove carbon graphite bearings and cemented carbide bushings are running in, It has strong wear resistance and ensures the life of the product. It is an ideal pump for transporting corrosive media without leakage.

## 型号意义 Model meaning



## 结构图 Structure diagram



## Parts list 零部件明细表

序号NO.	名称NAME	序号NO.	名称NAME	序号NO.	名称NAME
1	泵体 Pump body	2	叶轮 impeller	3	轴承体 Bearing body
4	内磁钢总成 Inner magnet assembly	5	外磁钢总成 Outer magnet assembly	6	泵轴 Pump shaft
7	轴承 Bearing	8	前后止推环 Thru string front and	9	密封环 Seal ring
10	隔离套 Isolation sleeve	11	联接架 Connection frame	12	叶轮螺母 Impeller nut
13	止动垫圈 Stop washer	14	螺母 Nut	15	垫圈 washer
16	轴套 Shaft sleeve	17	定位环 Locating ring	18	管堵 Pipe blockage
19	垫 pad	20	垫 pad		

## 性能参数 Performance parameter

型号	口径 (mm)		扬程 (m)	流量 (L/min)	功率 (kw)	转速 (r/min)	电压 (V)
	进口	出口					
CQB32-20-125	32	20	20	53	1.5	2900	380
CQB32-20-160	32	20	32	53	2.2	2900	380
CQB32-20-200	32	20	50	53	4	2900	380
CQB40-25-105	40	25	12.5	105	2.2	2900	380
CQB40-25-125	40	25	20	105	3	2900	380
CQB40-25-160	40	25	32	105	4	2900	380
CQB40-25-200	40	25	50	105	5.5	2900	380
CQB40-25-250	40	25	80	105	11	2900	380
CQB50-32-105	50	32	12.5	208	2.2	2900	380
CQB50-32-125	50	32	20	208	3	2900	380
CQB50-32-160	50	32	32	208	4	2900	380
CQB50-32-200	50	32	50	208	7.5	2900	380
CQB50-32-250	50	32	80	208	15	2900	380
CQB65-50-125	65	50	20	416	4	2900	380
CQB65-50-160	65	50	32	416	7.5	2900	380
CQB65-40-200	65	40	50	416	15	2900	380
CQB65-40-250	65	40	80	416	18.5	2900	380
CQB65-40-315	65	40	125	416	37	2900	380
CQB80-65-125	80	65	20	833	7.5	2900	380
CQB80-65-160	80	65	32	833	15	2900	380
CQB80-50-200	80	50	50	833	18.5	2900	380
CQB80-50-250	80	50	80	833	37	2900	380
CQB80-50-315	80	50	125	833	45	2900	380
CQB100-80-125	100	80	20	1666	15	2900	380
CQB100-80-160	100	80	32	1666	18.5	2900	380
CQB100-65-200	100	65	50	1666	37	2900	380
CQB100-65-250	100	65	80	1666	55	2900	380

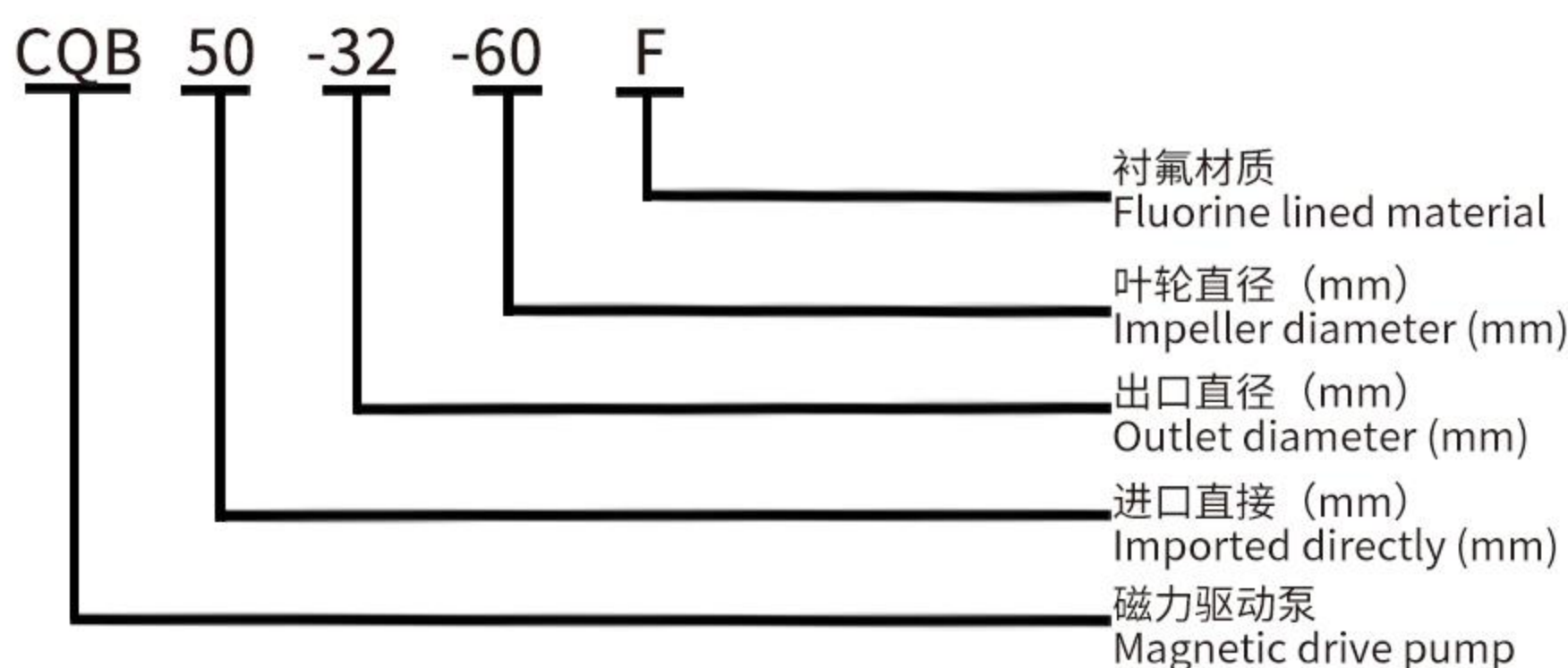




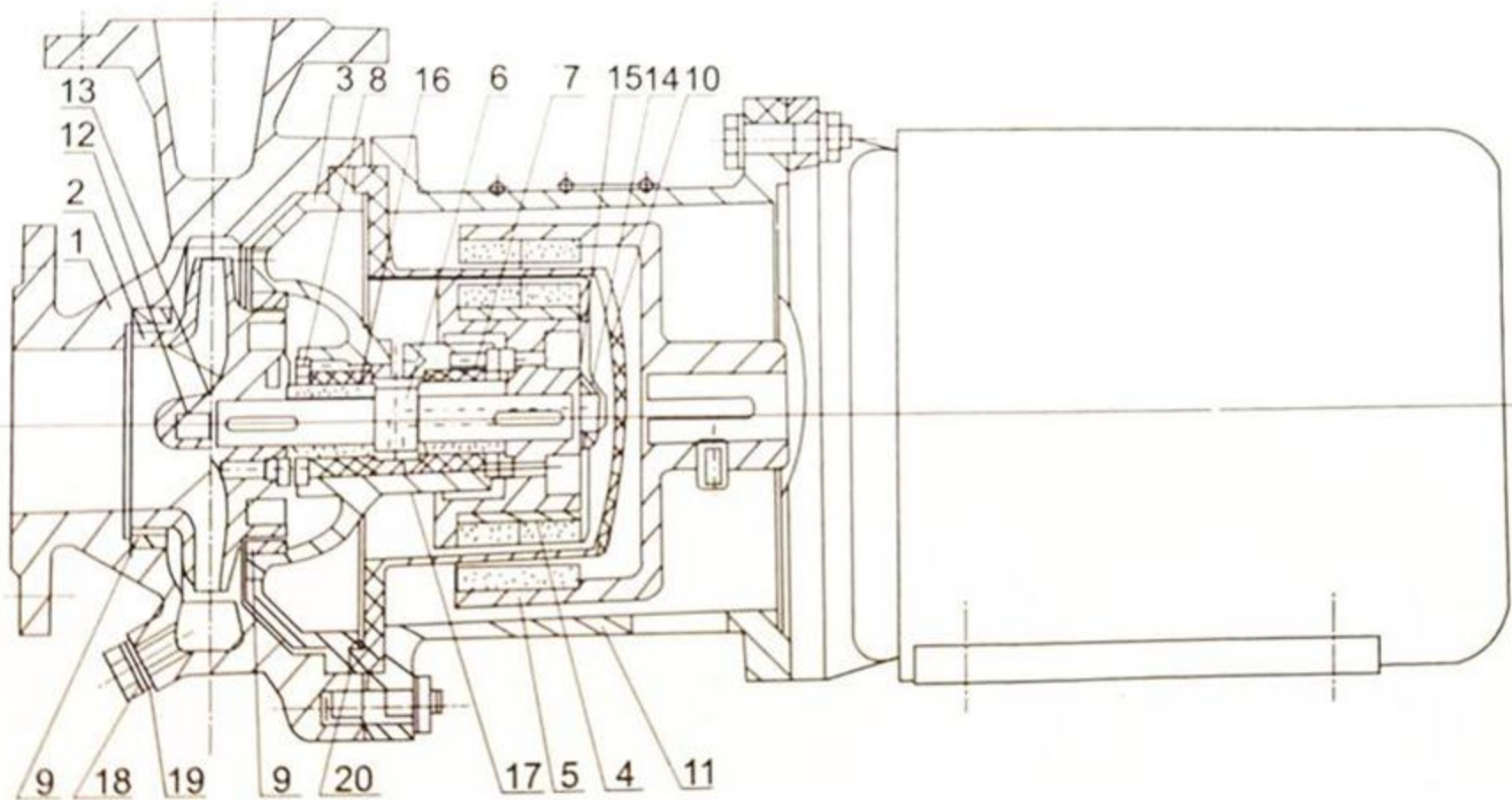
CQB-F型氟塑料磁力驱动泵防漏设计取消了轴封, 利用磁力偶合间接驱动, 完全消除了滴漏的烦恼, 绝不污染使用场地。由于泵的过流部分选用"氟塑料合金"制造。可连续输送任意浓度的酸、碱、强氧化剂等腐蚀介质而毫不受损。

The leak-proof design of the CQB-F fluoroplastic magnetic drive pump eliminates the shaft seal and uses magnetic coupling to drive indirectly, which completely eliminates the trouble of dripping and does not pollute the use site. Because the overflow part of the pump is made of "fluoroplastic alloy". It can continuously transport any concentration of acid, alkali, strong oxidant and other corrosive media without damage.

### 型号意义 Model meaning



### 结构图 Structure diagram



### Parts list 零部件明细表

序号NO.	名称NAME	序号NO.	名称NAME	序号NO.	名称NAME
1	泵体 Pump body	2	叶轮 impeller	3	轴承体 Bearing body
4	内磁钢总成 Inner magnet assembly	5	外磁钢总成 Outer magnet assembly	6	泵轴 Pump shaft
7	轴承 Bearing	8	前后止推环 Thru string front and	9	密封环 Seal ring
10	隔离套 Isolation sleeve	11	联接架 Connection frame	12	叶轮螺母 Impeller nut
13	止动垫圈 Stop washer	14	螺母 Nut	15	垫圈 washer
16	轴套 Shaft sleeve	17	定位环 Locating ring	18	管堵 Pipe blockage
19	垫 pad	20	垫 pad		

### 性能参数 Performance parameter

型号	口径(mm)		扬程 (m)	流量 (L/min)	功率 (kw)	转速 (r/min)	电压 (V)
	进口	出口					
CQB20-15-75F	20	15	20	26	0.18	2900	380
CQB25-20-100F	25	20	32	41	0.37	2900	380
CQB32-20-110F	32	20	20	91	0.55	2900	380
CQB32-20-125F	32	20	50	60	1.1	2900	380
CQB32-20-150F	32	20	80	60	2.2	2900	380
CQB32-20-160F	32	20	12.5	60	2.2	2900	380
CQB40-25-120F	40	25	20	105	0.75	2900	380
CQB40-40-125F	40	25	50	105	1.1	2900	380
CQB40-25-125F	40	25	20	105	1.1	2900	380
CQB40-25-150F	40	25	32	105	3	2900	380
CQB40-25-160F	40	25	50	105	3	2900	380
CQB40-25-200F	40	25	80	105	7.5	2900	380
CQB50-32-150F	50	32	25	208	4	2900	380
CQB50-32-160F	50	32	32	208	4	2900	380
CQB50-32-200F	50	32	50	208	7.5	2900	380
CQB65-50-125F	65	50	20	333	4	2900	380
CQB65-50-150F	65	50	25	333	4	2900	380
CQB65-50-160F	65	50	32	333	4	2900	380
CQB65-50-180F	65	50	36	333	5.5	2900	380
CQB65-40-200F	65	40	50	333	11	2900	380
CQB65-40-250F	65	40	80	416	18.5	2900	380
CQB80-65-125F	80	65	20	833	7.5	2900	380
CQB80-65-160F	80	65	32	833	11	2900	380
CQB80-50-200F	80	50	50	833	18.5	2900	380
CQB80-50-250F	80	50	80	833	30	2900	380
CQB100-80-125F	100	80	20	833	11	2900	380
CQB100-80-160F	100	80	32	1666	18.5	2900	380
CQB80-50-200F	80	50	50	833	18.5	2900	380
CQB80-50-250F	80	50	80	833	30	2900	380
CQB100-80-125F	100	80	20	833	11	2900	380
CQB100-80-160F	100	80	32	1666	18.5	2900	380
CQB100-65-200F	100	65	50	1666	30	2900	380



# 隔膜计量泵

## DIAPHRAGM METERING PUMP

### 定义

泵的液力端借助于隔膜来组成工作腔，以隔膜周期性变形来代替活塞（柱塞）的往复运动的泵，称为隔膜泵。通过往复运动的机件直接驱动隔膜前后挠曲周期性变形的泵叫机械隔膜泵。

### 优势

因液力端的隔膜的静密封代替活塞的动密封，因此可以做到输送介质绝对不泄露，除清水外更适用于输送易燃易爆、剧毒、恶臭、放射性的介质。

### 特点

- ①流量范围，0.47~30L/H，
- ②最高工作压力;1.2MPa，
- ③液力端为静密封;

### 应用

广泛适用于环保、制药、造纸、污水处理及城市供水等行业，并能输送腐蚀性浆料和危险性化学品。近年来，水泥助磨剂行业得到广泛地采用。

### Definition

the hydraulic end of the pump uses a diaphragm to form a working chamber, and the reciprocating movement of the piston (plunger) is replaced by the periodic deformation of the diaphragm, which is called a diaphragm pump. the reciprocating mechanism directly drives the pump whose diaphragm is deflected and periodically deformed back and forth. it is called a mechanical diaphragm pump.

### Preponderance

because the static seal of the diaphragm at the liquid end replaces the dynamic seal of the piston, the conveying medium can never leak, and it is more suitable for conveying flammable, explosive, highly toxic, foul-smelling, and radioactive media outside of the clear water.

### Features

- ①Flow range, 0.47~30L/h,
- ②maximum working pressure; 1.2MPa,
- ③the hydraulic end is statically sealed;

### Application

it is widely used in environmental protection, pharmacy, papermaking, sewage treatment and urban water supply industries, and can transport corrosive slurries and hazardous chemicals.in recent years, the cement grinding aid industry has been widely adopted





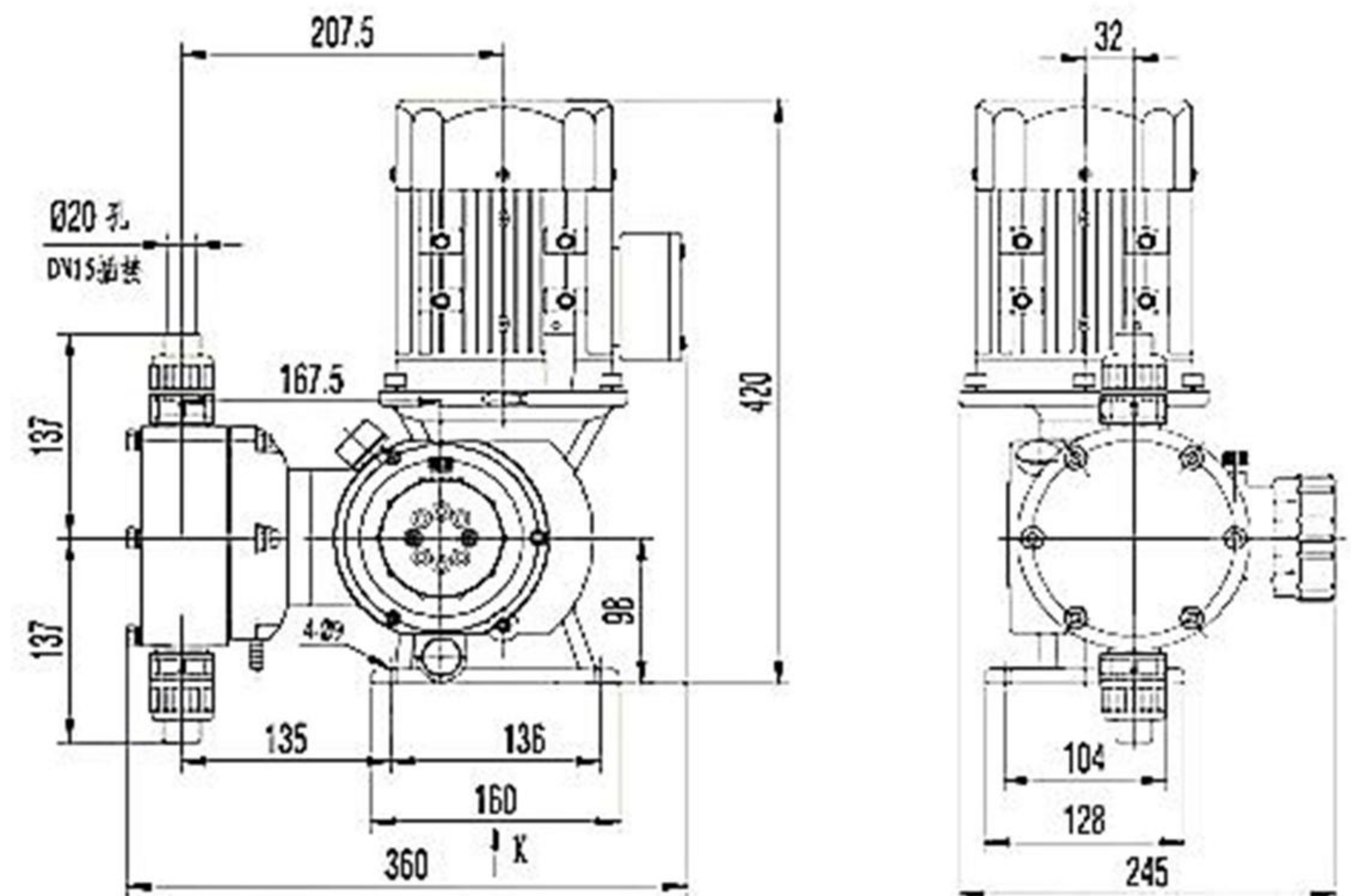
## 功能特性介绍:

- 1、构造上，完全无泄漏
- 2、可用PVCPTe、PV0F、1C1的NST. 316等作为泵头材料
- 3、适用于各种耐酸碱药液
- 4、可以安装于药槽上
- 5、安装容易、维修、保养简便
- 6、操作安全性能高
- 7、运转中流量随意调整

## Features introduction:

1. in terms of structure, there is no leakage at all
2. pvcpte, pvof, 1c1 nst. 316, etc. can be used as pump head materials
3. suitable for all kinds of acid and alkali resistant liquids
4. can be installed on the medicine tank
5. easy to install, repair and maintain
6. high operational safety performance
7. adjust the flow at will during operation

## 安装尺寸图 Installation Dimension Drawing



## 技术参数 TECHNICAL PARAMETERS

型号	额定流量 (L/H)	最大压力 (Mpa)	泵速 (min-1)	隔膜 (mm)	电机功率 (kw)	进出口径 (mm)	重量 (kg)
JBM-25/1.2	25	1.2	72	φ 84	0.37	DN15	22
JBM-50/1.0	50	1.0					
JBM-80/0.8	80	0.8					
JBM-120/0.7	120	0.7	140	φ 110/85	0.37		
JBM-170/0.7	170	0.7					
JBM-240/0.6	240	0.6	180	φ 110/95	0.55		
JBM-330/0.5	330	0.5					
JBM-420/0.5	420	0.5					
JBM-500/0.5	500	0.5	180			DN25	



# JCM



## 功能特性介绍:

### 产品特点:

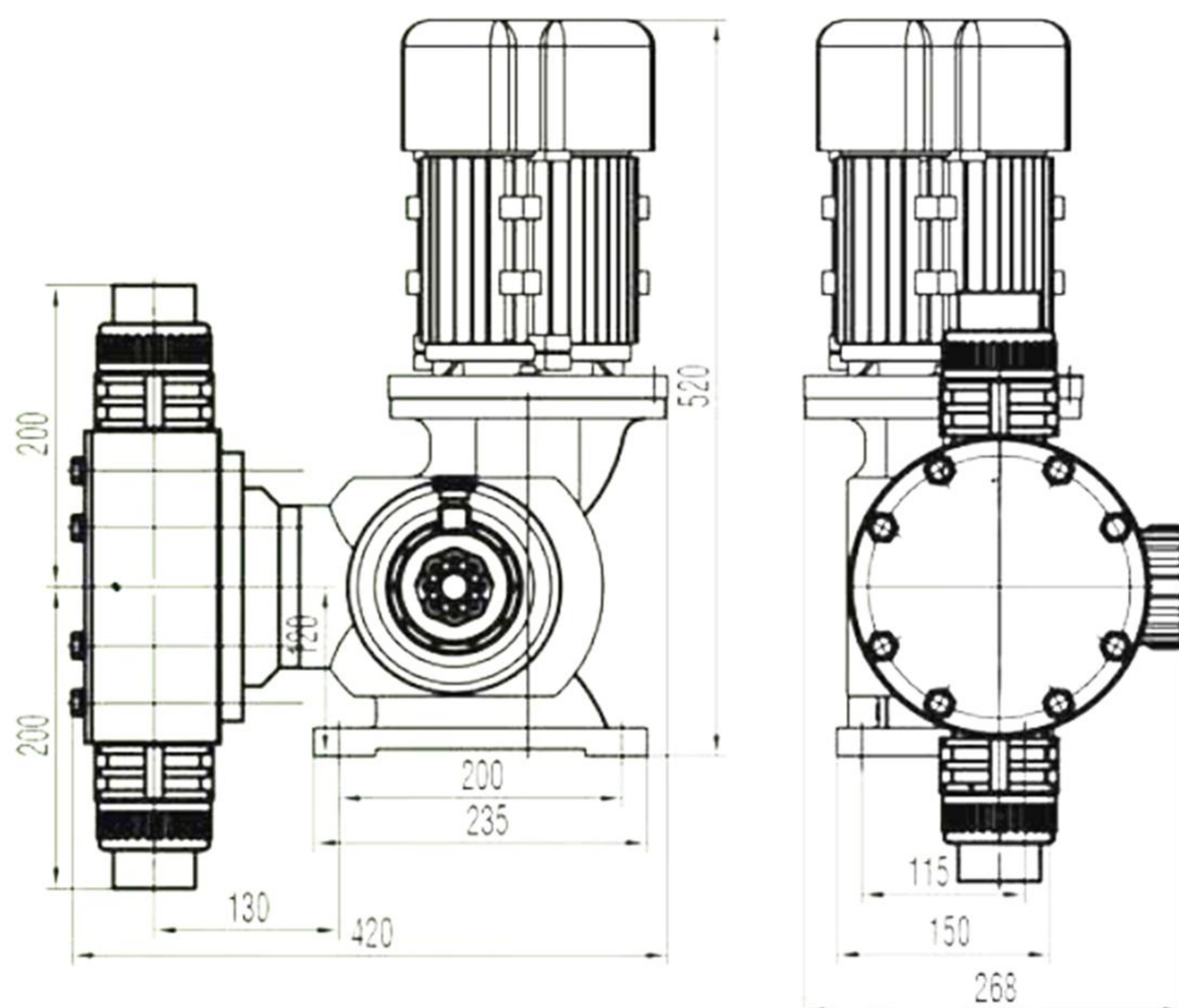
- 1、构造上，完全无泄漏
- 2、可用PVC/PTE、PVDF、1C1的NST. 316等作为泵头材料
- 3、适用于各种耐酸碱药液
- 4、可以安装于药槽上
- 5、安装容易、维修、保养简便
- 6、操作安全性能高
- 7、运转中流量随意调整

### FEATURES INTRODUCTION:

#### features:

1. in terms of structure, there is no leakage at all
2. pvcpte, pvof, 1c1 nst. 316, etc. can be used as pump head materials
3. suitable for all kinds of acid and alkali resistant liquids
4. can be installed on the medicine tank
5. easy to install, repair and maintain
6. high operational safety performance
7. adjust the flow at will during operation

## 安装尺寸图 Installation Dimension Drawing



## 技术参数 TECHNICAL PARAMETERS

型号	额定流量 (L/H)	最大压力 (Mpa)	泵速 (min-1)	隔膜 (mm)	进出口径 (mm)	电机功率 (kw)	重量 (kg)
JCM-350/1	350	1.0	140	φ110/85	DN25	0.75	30
JCM-410/1	410			φ110/95			
JCM-460/0.7	460	0.7		φ150			
JCM-580/0.7	580						
JCM-650/0.35	650	0.35	180	φ160	DN40	1.1	40
JCM-940/0.35	940						
JCM-1200/0.35	1200	0.3	180	φ160	DN40	1.5	50
JCM-1400/0.3	1400			φ180			
JCM-1600/0.3	1600			φ180			
JCM-1800/0.3	1800						
JCM-2000/0.3	2000					2.2	



# JAM-B



## 功能特性介绍:

- 1、构造上，完全无泄漏
- 2、可用PVCPTe、PV0F、1C1的NST. 316等作为泵头材料
- 3、适用于各种耐酸碱药液
- 4、可以安装于药槽上
- 5、安装容易、维修、保养简便
- 6、操作安全性能高
- 7、运转中流量随意调整

## Features introduction:

1. in terms of structure, there is no leakage at all
2. pvcpte, pvof, 1c1 nst. 316, etc. can be used as pump head materials
3. suitable for all kinds of acid and alkali resistant liquids
4. can be installed on the medicine tank
5. easy to install, repair and maintain
6. high operational safety performance
7. adjust the flow at will during operation

## 技术参数 TECHNICAL PARAMETERS

型号 (mode)	流量(L/H)	最大压力(Mpa)	泵速	隔膜 (mm)	进出口直径 (mm)	电机功率 (kw)	重量 (kg)
JAM-B6.5/1.0	6.5	1.0	54	65	DN15	单相感应电机、电容启动 2.5UF 220V/50HZ, 1350rpm; 三相感应电机 380V/50HZ 1350rpm (60W.90W) 4P	10
JAM-B12/1.0	12		67				
JAM-B24/1.0	24		108				
JAM-B32/1.0	32		135				
JAM-B42/1.0	42		67				
JAM-B60/1.0	60	90	84				
JAM-B80/0.5	80	108					
JAM-B90/0.5	90	135					
JAM-B100/0.5	100	135					
JAM-B120/0.3	120	0.3		150			
JAM-B150/0.3	150		180				



## 功能特性介绍:

### 产品特点:

- 1、安装容易、操作简便
- 2、计量精确、输出量可随意调整，抗化学腐蚀性强，经济、实用
- 3、金属加强隔膜、寿命强

### 用途:

- 1、反渗透、电渗析循环、冷却水净化水、污水处理、实验室、化验室
- 2、其他各种小剂量加液

## Features introduction:

### Features:

1. easy to install and easy to operate
2. the measurement is accurate, the output can be adjusted at will, the chemical corrosion resistance is strong, economical and practical
3. metal reinforced diaphragm, long life

### Use:

1. reverse osmosis, electrodialysis cycle, cooling water purification water, sewage treatment, laboratories, laboratories
2. various other small-dose liquids

## 技术参数 TECHNICAL PARAMETERS

型号	额定流量 (L/H)	最大压力 (Mpa)	泵速 (Spm)	隔膜 (mm)	接口尺寸 (inch)	电机功率 (W)	备注
JAM-C 0.5/1.2	0.5	1.2	28(50K)	65	进出口软管连接 D: φ 9	25	运转中可手动调整流量
JAM-C 1.5/1.2	1.5		35(40K)				
JAM-C 2.5/1.2	2.5		46(30K)				
JAM-C 5/1.0	5	1.0	56(25K)		网纹管 (并可配 1/2.4分内螺纹 连接)	40	
JAM-C 8/1.0	8		70(20K)				
JAM-C 12/1.0	12		93(15K)				
JAM-C 18/1.0	18		112(12.5K)				
JAM-C 22/1.0	22		140(10K)				
JAM-C 30/1.0	30		155(9K)				

# 过流部件抗腐蚀表

## CORROSION RESISTANCE TABLE OF FLOW PARTS



腐蚀介质	浓度%	不锈钢			增强聚丙烯			氟塑料		
		25°C	50°C	100°C	25°C	50°C	100°C	25°C	50°C	100°C
硫酸	0-50	×	×	×	√	√	○	√	√	√
硫酸	50-98	×	×	×	√	○	×	√	√	√
硝酸	10-70	√	√	√	√	√	○	√	√	√
硝酸	70-100	√	√	√	×	×	×	√	√	√
盐酸	任意	×	×	×	○	○	○	√	√	√
氢氟酸	0-90	×	×	×	√	√	√	√	√	√
氢溴酸	0-50	×	×	×	√	√	○	√	√	√
氢氰酸	任意	×	×	×	√	√	√	√	√	√
铬酸	任意	×	×	×	√	√	×	√	√	√
次氯酸	0-50	×	×	×	√	√	×	√	√	√
氟硅酸	任意	×	×	×	√	√	√	√	√	√
王水		×	×	×	×	×	×	√	√	√
甲酸	任意	×	×	×	√	√	√	√	√	√
醋酸	任意	○	○	○	√	√	○	√	√	√
丁酸	任意	√	√	√	√	√	√	√	√	√
乳酸	任意	√	√	×	√	√	×	√	√	√
草酸	任意	○	○	×	√	○	×	√	√	√
脂肪酸	任意	√	√	√	√	○	×	√	√	√
苯甲酸	任意	√	√	√	√	√	×	√	√	√
柠檬酸	任意	√	√	√	√	○	×	√	√	√
苯磺酸	任意	√	√	√	○	○	×	√	√	√
氯醋酸	任意	×	×	×	√	√	×	√	√	√
氢氧化钾	任意	√	√	×	√	√	√	√	√	√
氢氧化钠	任意	√	√	√	√	√	√	√	√	√
硫酸铵	任意	×	×	×	√	√	√	√	√	√
磷酸铵	任意	√	√	×	√	√	○	√	√	√
氯化铵	任意	×	×	√	√	√	○	√	√	√
硫酸钠氟	任意	○	○	×	√	√	√	√	√	√
化氢铵	任意	×	×	×	√	√	√	√	√	√
硫酸铅	任意	√	√	√	√	√	√	√	√	√
硫酸铅	任意	√	√	√	√	√	○	√	√	√
次氯酸钙	0-25	×	×	×	√	○	○	√	√	√
甲醇	任意	√	√	√	√	○	○	√	√	√
乙醇	任意	√	√	√	√	○	○	√	√	√
甲苯	任意	√	√	√	×	×	×	√	√	√
二氯乙烷	任意	√	√	√	×	×	×	√	√	√
氯酸	任意	×	×	×	√	√	√	√	√	√
氯酸钾	任意	√	√	√	√	√	√	√	√	√
硼酸	任意	√	√	○	√	√	√	√	√	√
磷酸钠	任意	√	√	√	√	○	×	√	√	√
硼砂	任意	√	√	√	√	√	√	√	√	√
高锰酸钾	任意	√	√	√	√	√	×	√	√	√
亚硫酸	任意	√	√	○	√	√	√	√	√	√
硅酸	任意	×	×	×	√	√	√	√	√	√
次氯酸	任意	×	×	×	√	√	√	√	√	√
硫酸镍	任意	√	√	×	√	√	√	√	√	√
氟化铝	任意	○	×	×	√	√	√	√	√	√

注：“√”表示使用效果好。“○”表示可以使用。“X”表示不可用，具体数据请与我司技术部门沟通

Note: “√” means good use effect. “○” means it can be used. “X” means unavailable, please communicate with our technical department for specific data

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