



隔膜泵选型手册 DIAPHRAGM PUMP

Expert manufacturer of diaphragm pump
专业隔膜泵制造商

 上海如迪流体输送设备有限公司
SHANGHAI RUDI FLUID CONVEYOR CO.,LTD

地址：上海市奉贤区青村路南奉公路2258号
电话：(+86)021-57579994 57578277 57566621 57578278 57578279
传真：(+86)021-51864999
网址：www.shrudi.com
全国服务热线：400-000-1267

Add: No2258 Nafeng Rd.Qingcun Town Fengxian District Shanghai
Tel: (+86)021-57579994 57578277 57566621 57578278 57578279
Fax: (+86)021-51864999
Http: www.shrudi.com
Service Hot Line: 400-000-1267

特约经销商

AUTHORIZED DEALER

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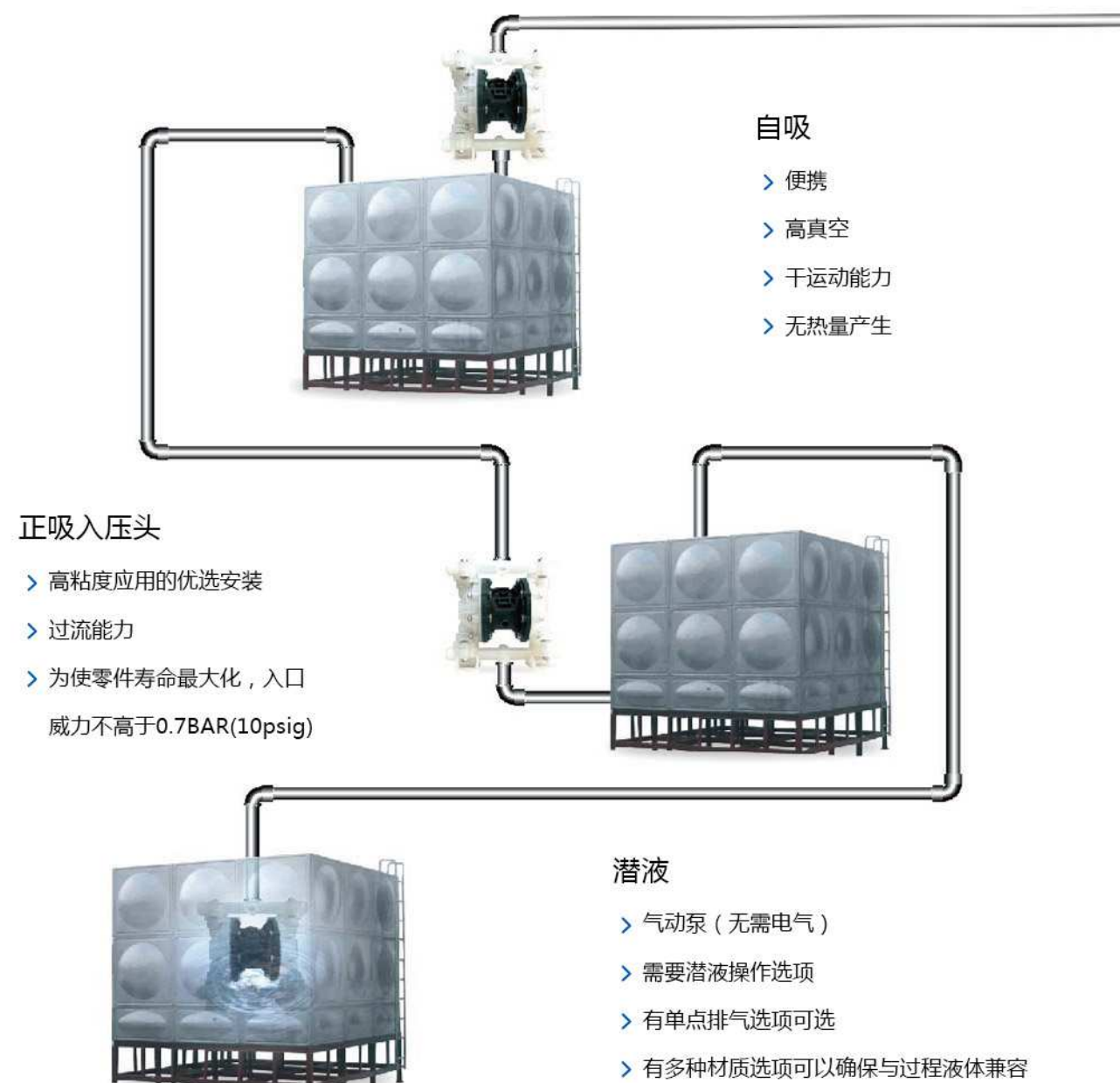
上海如迪流体输送设备有限公司位于奉贤区青村镇，距浦东国际机场30公里，距上海虹桥机场35公里，专业制造气动隔膜泵、气动柱塞泵、电动隔膜泵等产品。拥有42项专利，其中3项发明专利。2013年被评为上海市高新技术企业、重合同守信用单位，是国内气动隔膜泵规格最为齐全的专业制造商，拥有25年的制泵经验以及现场操作设计经验，满足用户在隔膜泵领域的全方位需求！这里是隔膜泵与备品备件的海域，RD品牌隔膜泵膜片使用寿命往复次数可达800万次。该产品广泛应用于化工、涂料、食品、环保、石油、造船、制药、陶瓷等行业。

目前隔膜泵、柱塞泵已销往全国各地及三十多个国家与地区，上海如迪与您携手共创美好未来！

Shanghai Rudi Fluid conveying equipment limited company is located in the Qingcun Town, Fengxian District of Shanghai City, 30 kilometers away from Pudong International Airport, and 35 kilometers away from Shanghai Hongqiao Airport. The company specializes in pneumatic diaphragm pumps, pneumatic piston pumps, electric diaphragm pumps and so on. We own 42 patents, including 3 invention patents. In the year of 2013, we were appraised as Shanghai High and New Technology Enterprise, Valuing Contract & Honoring Credit Unit. As a leading professional pneumatic diaphragm pump manufacturer, we have the most complete range of specifications, with 20 years experience in production, spot operation and design, so as to satisfy every user's overall demand in diaphragm pump field. Here is the ocean of diaphragm pumps & accessories & spare parts. RD brand diaphragm pump use durable diaphragm, which meet 8 million times reciprocating motion. The products are widely used in chemical industry, paint, food, environmental protection, petroleum, shipbuilding, pharmaceutical, ceramics industry.

At present, diaphragm pumps and piston pumps have been sold all over China and exported to over than 30 countries and regions. Shanghai Rudi wish to cooperate with friends all around the world and create a glorious future!

安装的通用性 >>>>



陶瓷



化学品



油漆和油墨



干粉



采矿



油气



镀膜和表面处理



纸浆和纸张



卫生



半导体



废品处理



Accessories

配件



SST Valve Seat



FPM COATED PTFE O-ring



Silencer



V-ring



PTFE Seat



Central Axis

Diaphragm

膜片



Santoprene diaphragm



Santoprene diaphragm



Santoprene diaphragm



PTFE diaphragm



PTFE diaphragm



PTFE diaphragm



PTFE diaphragm



PTFE diaphragm



PTFE diaphragm



Hytrel diaphragm



Santoprene diaphragm



PTFE diaphragm



Viton rubber diaphragm

专利号 Patent No.

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ZL200720066848.X	ZL200920072492.X
ZL200720066851.1	ZL200920072493.4
ZL200720071861.4	ZL201220123773.5
ZL200720066850.7	ZL201220123785.8
ZL200720066849.4	ZL201220123791.3
ZL200930229711.6	ZL201220123792.8
ZL200930355373.0	ZL201220123783.9
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ZL200930231127.4	ZL201230524870.0
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ZL200930231126.X	201220123771.6



RD 隔膜泵 Diaphragm pump

如迪流体输送设备 Rudi Fluid Conveyor

RD气动隔膜泵系列 Description of The Rudi series air-operated diaphragm pump



RD气动隔膜泵是采用压缩空气为动力源一种新型输送机械，是目前国内最新颖的一种泵类。如迪气动隔膜泵配气阀结构取消了传统的“O”型环扣和柱形阀结构的配气阀。采用三向先导式，消除了阀死点和梢头停机现象。提供了正确可靠的换向信号来避免停机和更快换向使泵具有更大的流量，提供了输送性能使脉冲更小，流动更稳定，对于各种腐蚀性液体，带颗粒的液体，高粘度、易挥发、易燃、剧毒的液体，均能予以抽光吸尽。

The Rudi series air-operated diaphragm pump of our company is the latest model of fluid transportation equipment, which is currently one of the most innovative pumps in China. Air distribution valves of the Rudi pumps canceled traditional O type ring and cylindrical valve structure, using three-way operated, eliminating the valve dead center and pump stop phenomenon. Accurate and reliable directional signal avoid stop, and faster reversing leads to larger flow, which makes pulse smaller, more stable flow. It can pump various fluids drastically, whether corrosive, volatile, flammable, poisonous liquid even fluids with particles and high viscosity.

技术参考Technical parameters:

流体尺寸Fluid size: 1/4in(06)、3/8in | (10)、1/2in | (15)、3/4in | (20)、1in | (25)、1-1/2in | (40)、2in | (50)、3in | (80)

工作压力Working pressure: 100psi(0.7Mpa, 7bar)

流量Flow: 4.5gpm(17lpm)---265gpm(104lpm)

虹吸高度Suction height: 3m---5m

固体输送颗粒Solid conveying grain: 0.5mm---6.3mm

空气消耗量 Air consumption: 9.0scfm(0.252m³/min)---326scfm(9.1m³/min)

空气进口尺寸 Air inlet size: 1/4in.npt(f)/bsp(f)、1/2in.mpt(f)/bsp(f)、3/4in.mpt(f)/bsp(f)

空气出口尺寸 Air outlet size: 1/4in.npt(f)/bsp(f)、3/8in.mpt(f)/bsp(f)、1/2in.mpt(f)/bsp(f)、3/4in.mpt(f)/bsp(f)

连接方式 Connection type: Internal thread/flanged: 内螺纹/法兰 (GB)

泵体材质 Body material: 304、316、聚丙烯 (PP)、铝合金、聚偏氟乙烯 (PVDF)

主要用途 Body material: 化工、石化、喷漆、陶瓷中气动隔膜泵已占有绝对的主导地位，而在其他的一些行业中，像环保、废水处理、建筑、排污、精细化工中正在扩大它的市场份额，并具有其他泵不可替代的地位。

Main usage: absolute leading position in chemical, petrochemical, paint, and ceramics, and also have an irreplaceable position in others, such as environmental protection, wastewater treatment, construction, sewage and fine chemical industry.

RDD 电动隔膜泵系列 Description of The Rudi series electric diaphragm pump



RDD型电动隔膜泵是本公司根据市场的需要自主研发的一种新型输送泵，根据气动隔膜泵的流体腔设计以电为动力源的传动机构。采用滑块设计，消除了泵的运行时出现死机和死点现象。提供了输送性能流动更稳定，大大提高了泵体的安全性，增加了泵体使用寿命。

The Rudi series electric diaphragm pumps are researched independently by our company according to the market requirement. The new type pump uses electric for power supply with pneumatic diaphragm pump flow body cavity design. With slide block design, it eliminates a crash and dead point phenomenon when operation, provides delivery performance, more stable flow, greatly improving the pump body safety, and increases the service life of the pump body.

技术参考Technical parameters:

流体尺寸Fluid size: 1in(25)、1-1/2in (40)、2in(50)、3in(80)

工作压力Working pressure: 0.5Mpa (5bar)

流量Flow: 15.3gpm(58lpm)---70.2gpm(267lpm)

虹吸高度Suction height: 2.5m---4m

固体输送颗粒Solid conveying grain: 4mm---6.3mm

电机功率 Motor power: 1.5KW~4.5KW

连接方式 Connection type: Internal thread/flanged: 内螺纹/法兰 (GB)

泵体材质 Body material: 304、316

主要用途 Body material: 该泵适用于低压场合，即出口压力 $\leq 3.5\sim 5\text{Kg}/\text{cm}^2$ 。以取代部分离心泵，螺杆泵。应用于石化、陶瓷、冶金、环保、医药等各行各业。

It is suitable for low pressure situation, namely outlet pressure is no more than $3.5\sim 5\text{KG}/\text{cm}^2$. To replace part of the centrifugal pump and screw pump. Used in petrochemical industry, ceramics, metallurgy, environmental protection and medicine.

RD 其他泵系列 Other series



RD柱塞泵 RD Plunger pump

可处理的流体粘度20000厘泊，固体含量达到2.5mm。有效的气密封可用于对温度敏感的流体。

便于取出密封件可在不分离软管的情况下快速滑入和滑出圆桶。Dealt with a 20000 centipoise fluid viscosity, 2.5 mm solid content.

Effective gas seal can be used for sensitive to temperature fluid.

Easy to take out of seal can slide into and slide out of the barre fast under the condition of un-separated hose.



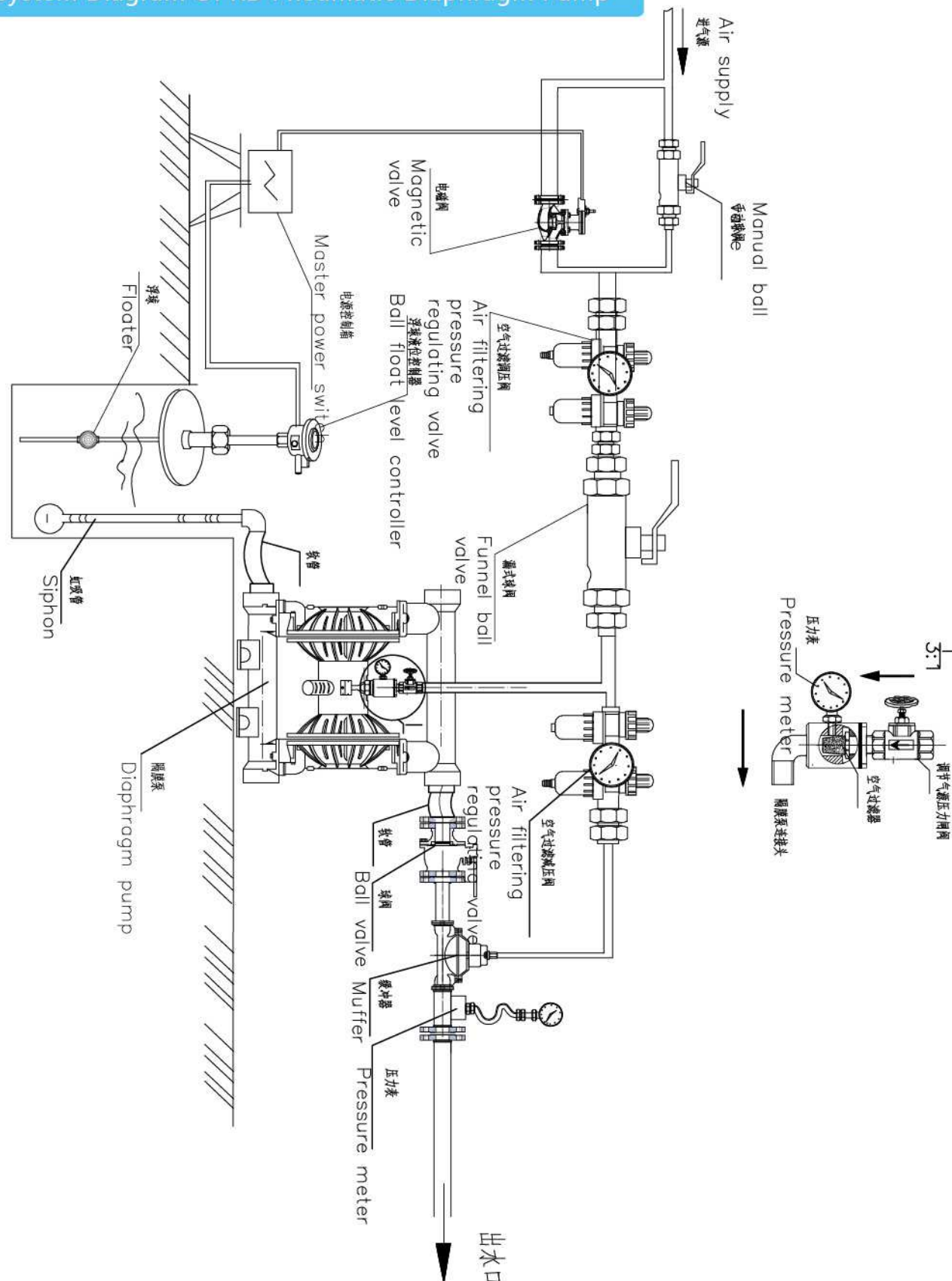
手动隔膜泵 RD manual diaphragm pump

用于低扬程、小流量的提水作业。采用手动推拉杆传动，使客户使用更为便捷，满足自需要求。

Used for low head and small flow, work by hand controlled push rod which is connected with diaphragm, promoting the diaphragm for pressure in and open reciprocating motion. It makes volume of two pump cavities alternate expand and narrow. Customers to use more convenient, and satisfy the demand.

RD如迪隔膜泵一览表

型号 Model	产品 Product	规格 Specification	最大流量 Maximum Flow	最大工作压力 Maximum Working Pressure	液体进出口尺寸 Size of Liquid Inlet And Outlet	材质 Material	最大输送固体颗粒 Maximum Transported Solid Granule	常选型号 Commonly Selected Model
RD06		1/4英寸inch 标准型 Standard Type 塑料泵系列 Plastic Pump Series	4.5gpm (17lpm)	100psi (7.0 bar)	1/4" 进出口 Inlet And Outlet	导电乙缩醛 Conductive Acetal 聚丙烯PPKynar (PVDF)	0.02 in. (0.5mm)	标准型 Standard Type RD12091 RD11021 RD150A1
RD10		3/8英寸inch 塑料泵系列 Plastic Pump Series	7gpm (26.5lpm)	100psi (7.0 bar)	3/8" 进出口衬 不锈钢加强套 Inlet And Outlet Lined With Stainless Steel Reinforcing Sleeve	导电乙缩醛 Conductive Acetal 聚丙烯PP	1/16 in. (1.6mm)	RD31211 RD31311 RD31277 RD31256 RD32966
RD15		1/2英寸inch 标准型 Standard Type 塑料泵系列 Plastic Pump Series	13.2gpm (50lpm)	100psi (7.0 bar)	1/2" 中央Side Inlet 3/4" 侧端Outlet 进出口 Inlet And Outlet	导电乙缩醛 Conductive Acetal 聚丙烯PP Kynar(PVDF)	3/32 in. (2.5mm)	RD52911 RD55A11 RD51211 RD51277 RD52966 RD52955
RD15		1/2英寸inch 标准型 Standard Type 金属泵系列 Metal Pump Series	13.2gpm (50lpm)	100psi (7.0 bar)	3/4" 侧端Outlet 进出口 Inlet And Outlet	316不锈钢 316 Stainless Steel 304不锈钢 304 Stainless Steel 铝合金 Aluminum Alloy	3/32 in. (2.5mm)	RD53277 RD53211 RD54311 RD54211
RD25		1英寸inch 标准型 Standard Type 塑料泵系列 Plastic Pump Series	40gpm (150lpm)	100psi (7.0 bar)	3/4" 进出口 Inlet And Outlet	导电乙缩醛 Conductive Acetal 聚丙烯PP Kynar(PVDF)	0.16 in. (4mm)	RD72911 RD72966 RD71211 RD72311
RD25		1英寸inch 金属泵系列 Metal Pump Series	40gpm (150lpm)	100psi (7.0 bar)	1" 进出口 Inlet And Outlet	铝合金 Aluminum Alloy 球墨铸铁 Ductile Iron 304/316	0.16 in. (4mm)	RD73GGG RD73311 RD73525 RD73666 RD74311 RD74331
RD40		1.5英寸inch 塑料泵系列 Plastic Pump Series	90gpm (340lpm)	100psi (7.0 bar)	1.5" 进出口 Inlet And Outlet	导电乙缩醛 Conductive Acetal 聚丙烯PP Kynar(PVDF)	0.2 in. (5mm)	RDB1211 RDB1311 RDB2311 RDB2911 RDB2966 RDB5A11
RD40		1.5英寸inch 金属泵系列 Metal Pump Series	90gpm (340lpm)	100psi (7.0 bar)	1.5" 进出口 Inlet And Outlet	铝合金 Aluminum Alloy 不锈钢 Stainless Steel 球墨铸铁 Ductile Iron	0.2 in. (5mm)	RDB3GGG RDB3525 RDB3666 RDB4311 RDB4666
RD50		2英寸inch 塑料泵系列 Plastic Pump Series	150gpm (570lpm)	100psi (7.0 bar)	2" 法兰式 Flange Type 进出口 Inlet And Outlet	聚丙烯PP Kynar(PVDF)	0.24 in. (6mm)	RDF2666 RDF2911 RDF29GG RDF5A11
RD50		2英寸inch 金属泵系列 Metal Pump Series	150gpm (570lpm)	100psi (7.0 bar)	2" 进出口 Inlet And Outlet	铝合金 Aluminum Alloy 不锈钢 Stainless Steel 球墨铸铁 Ductile Iron	0.24 in. (6mm)	RDF311 RDF3GGG RDF4311 RDF4341 RDF4666 RDF6GGG
RD80		3英寸inch 塑料泵系列 Plastic Pump Series	265gpm (104lpm)	100psi (7.0 bar)	3" 法兰式 Flange Type 进出口 Inlet And Outlet	聚丙烯PP Kynar(PVDF)	0.26 in. (10mm)	RDK2666 RDK2911 RDK29GG RDK5A11
RD80		3英寸inch 金属泵系列 Metal Pump Series	265gpm (104lpm)	100psi (7.0 bar)	3" 法兰式 Flange Type 进出口 Inlet And Outlet	铝合金 Aluminum Alloy	0.26 in. (10mm)	RDK3311 RDK3366 RDK3355 RDK3388
RD80		3英寸inch 金属泵系列 Metal Pump Series	265gpm (104lpm)	100psi (7.0 bar)	3" 法兰式 Flange Type 进出口 Inlet And Outlet	不锈钢 Stainless Steel	0.26 in. (10mm)	RDK4311 RDK4366 RDK4355 RDK4388
RDS525/ 40/50		手动系列 1英寸 1.5英寸 2英寸	/	/	1" 进出口 1.5" 进出口 2" 进出口 Inlet And Outlet	塑料 Plastic 金属 Metal	0.16in(4mm) 0.2in(5mm) 0.24in(6mm)	/

RD气动隔膜泵系统图
System Diagram Of RD Pneumatic Diaphragm PumpRD气动隔膜泵优势所在
Advantages Of RD Pneumatic Diaphragm Pump**A、维护便利**

降低内部容积可减少浪费，便于清洗
不锈钢螺栓可抗腐蚀，并能提供合理的定位，便于重新装配

B、独特的专利空气阀

三通控制阀可做到无阻塞操作
所有零件可轻易外部维护
不需空气管路润滑

C、精密配合的零件

耐磨的端轴承可确保阀杆的正确定位，更换简单

D、给予保护的排放口

所有排放口采用一个公共端可防止室内的汽化液体侵蚀空气马达的密封件
便于贮槽加载或者卸载操作的空转功能

E、结实的外部结构

抗腐蚀的结构能防止渗漏，确保清洁流体的更换
铝制中心部件具有环氧涂层
耐腐蚀的中心件使用316不锈钢材料

F、流体的相容性

可提供外壳材料包括铝，不锈钢、球墨铸铁，聚丙烯，导电乙缩醛或者Kynar氟聚合物

G、合理的密封件设计

隔膜可紧紧锁定石位
可起到积极液封作用的成形压条
一个通孔

H、重型隔膜板

夹持可靠的隔膜板能消除一切渗漏和脱落现象，避免发生昂贵的停工时间

I、长效的阀杆设计

300系列不锈钢的阀杆具有更长的使用寿命石潮湿空气中仍具备良好的抗腐蚀功用

J、便于定位

螺栓连接的，自定位的空气和流体单元

K、弹性材料的选择

各类阀座和球阀选项可确保液体的相容性和可靠的密封，从而，具有极高的效率长效的使用寿命和理想的吸程高度

A. Convenient Maintenance

The internal volume is reduced to decrease waste and make cleaning convenient.
The stainless steel bolt can resist corrosion and provide reasonable positioning for the convenience of reassembly.

B. Unique Patented Air Valve

Three-way control valve makes sure the non-blocking operation
All parts can be easily subjected to external maintenance
No need of lubrication in the air pipeline

C. Parts That Are Precisely Fit

The wear resistant end bearing can ensure correct positioning of stem and its replacement is simple.

D. Discharge Outlet Provided With Protection

All discharge outlets adopt a common port to prevent vaporized liquid in the room from eroding seals of the air motor.
Idling function that makes the operations of loading and unloading of the storage tank convenient

E. Solid External Structure

The corrosion resistant structure can prevent leakage and ensure replacement of clean fluid.
The aluminum central part is provided with epoxy coatings.
The corrosion resistant central part is made of 316 stainless steel.

F. Compatibility Of Fluid

The shell materials that can be supplied include aluminum, stainless steel, ductile iron, polypropylene, conductive acetal or Kynar fluoropolymer

C. Reasonable Seal Design

The diaphragm is tightly locked at the position
The forming plate that plays the function of active liquid seal
One through hole

H. Heavy-duty Diaphragm Plate

The diaphragm plate with reliable holding can eliminate leakage and dropping and prevent the occurrence of expensive shut-down time.

I. Stem Design Of Long-term Effect

The 300 series stainless steel stem has longer service life and still has good corrosion resistance in damp air.

J. Easy Positioning

Bolt connected, self positioning air and fluid unit

K. Selection Of Elastic Materials

Various seat and ball options can ensure compatibility and reliable sealing, and therefore, it is provided with highly efficient and long-term service life as well as better suction lift height.



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RD10 塑料泵 Plastic Pump (PP Acetal PVDF)

RD15 塑料泵 Plastic Pump (PP Acetal PVDF)

RD15 金属泵 Metal Pump (AL SST)

RD25 金属泵 Metal Pump (AL SST)

RD25 塑料泵 Plastic Pump (PP Acetal PVDF)

RD25 全新塑料隔膜泵 New Plastic Diaphragm Pump

RD40 金属泵 Metal Pump (AL SST CI)

RD40 塑料泵 Plastic Pump (PP Acetal PVDF)

RD40 全新塑料隔膜泵 New Plastic Diaphragm Pump

RD50 金属泵 Metal Pump (AL SST CI)

RD50 塑料泵 Plastic Pump (PP)

RD50 全新塑料隔膜泵 New Plastic Diaphragm Pump

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RD粉尘泵 RD Plunger pump

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RD微型隔膜泵 RD Miniature Diaphragm Pump

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RD气动隔膜泵与众不同的空气马达
Outstanding Air Motor Of RD Pneumatic Diaphragm Pump

气动隔膜泵具有简单，高可靠设计的空气换向阀，使整个隔膜泵系列产品能在各种应用工况下实现最大的可靠性。

换向阀为三向先导阀，能保证真正意义上的不“发粘”。所有部件可在不打开液体腔的情况下进行更换。铝质部件经阳极氧化处理并附环氧涂层，能抵御不洁空气造成的腐蚀。



The pneumatic diaphragm pump is provided with the simple and highly reliable air reversing valve that makes the full series of diaphragm pumps realize the maximum reliability under various service conditions.

The reversing valve is the three-way pilot valve that can ensure no sticky in a real sense. All parts can be replaced without the need of opening the liquid cavity. The aluminum parts have been subjected to anodic oxidation treatment and coated with epoxy coatings to resist corrosion caused by dirty air.

- It can be used in case of bad air supply. The slide made of Derlin in the reversing valve is solid and durable, and not easy to be damaged.
 - Smooth air channel. The air channels of pumps of 1/2 “~3” have no obstruction and it is ensured that the reversing is flexible.
 - It is the reversing valve that can be totally subjected to external maintenance.
 - Compared with other diaphragm pumps, the moving parts are very few.
- The reversing valve does not need lubrication.
- The pilot reversing valve has very high mechanical life.The day-after-day operation can be ensured.
- One kind of reversing valve can be suitable for pumps of various specifications.
 - The air valve enjoys a warranty period of 15 years, and the pump body 5 years.
 - See the operation manual for details.

- 可在不良气源的情况下使换向阀中Derlin材质的滑块坚固耐用，不易损坏。
- 气路畅通，从1/2 “到3” 泵的气路部分绝无障碍，保证换向灵活。
- 100%可外部维护式换向阀。
- 与其他的隔膜泵相比，活动部件非常少。
- 换向阀无需润滑。
- 先导式换向阀具有极高的机械寿命。可保障日复一日的运行。
- 一种换向阀适合多种规格的泵。
- 空气阀15年质量保证，泵体5年。

※具体条款详见操作手册。



RD如迪泵的选型序列表
Rudi pumps Selection Sequence Table

泵型号已标注在铭牌上。RD如迪气动隔膜泵由六位字母和两们数字表示，从左至右的前二位始终为RD，两们数字表示进口尺寸，剩余的四们是代表材料的构成。例如，有一台1英寸的泵，流体部件为铝合金，聚丙烯阀座，特氟龙球阀和特氟龙膜片的泵型号编号为RD25-APFF。订购更换零件时，应参看零件表。下列表中八位字母和数字对照表，“RD” 指如迪牌隔膜泵。RDD如迪电动隔膜泵有七位字母和两位数字表示，从左至右前三位始终为RDD,后面同气动隔膜泵。

The pump model which has been marked up in the nameplate is shown by 6 letters and 2 numbers, From left to right the first two are always RD,the 2 numbers are the inlet and outlet dimension, the other four are the composition of materials. For example, there is a one-inch pump, with fluid components for aluminum alloy, valve seat for PP, valve for PTFE, and diaphragm for PTEE Model No.is RD25-APFF. When ordering pump parts, you should refer to the Parts List, The following is the list of eight letters and numbers, and “RD” means Rudi diaphragm pumps. RDD electric diaphragm pump is expressed by 7 letters and two figures,From left to right the first three are always RDD, for the following,the same as penumatic diaphragm pumps.

RDD如迪牌隔膜泵 Rudi diaphragm pump	进出口尺寸 Inlet and outlet dimension	流体部件材料 Pump body Material	阀座材质 Valve Seat Material	球阀材质 Valve Ball Material	膜片材质 Diaphragm Material
RD 气动隔膜泵 RDD 电动隔膜泵	06=1/4in(8 caliber 口径)	M=乙缩醛 Acetal	M=乙缩醛 Acetal	M=乙缩醛 Acetal	H=聚醚 Hytel
	10=3/8in(10 caliber 口径)	P=聚丙烯 Poly	P=聚丙烯 Poly	P=聚丙烯 Poly	T=三道 Santoprene
	15=1/2in(15 caliber 口径)	A=铝合金 Aluminum	A=铝合金 Aluminum	A=铝合金 Aluminum	F=特氟龙 PTFE
	20=3/4in(20 caliber 口径)	S=304不锈钢 304SST	S=304不锈钢 304SST	S=304不锈钢 304SST	B=丁腈橡胶 Buna N
	25=1in(25 caliber 口径)	L=316不锈钢 316SST	L=316不锈钢 316SST	L=316不锈钢 316SST	V=氟橡胶 Viton
	40=1.5in(40 caliber 口径)	K=聚偏氟乙烯 PVDF	H=聚醚橡胶 Hytel	H=聚醚橡胶 Hytel	G=Geolast
	50=2in(50 caliber 口径)	D=球墨铸铁 CI	T=三道橡胶 Santoprene	T=三道橡胶 Santoprene	
	80=3in(80 caliber 口径)		K=聚偏氟乙烯 PVDF	F=特氟龙 PTFE	
	100=4in(100 caliber 口径)		F=特氟龙 PTFE	B=丁腈橡胶 Buna N	
			B=丁腈橡胶 Buna N	V=氟橡胶 Viton	
			V=氟橡胶 Viton	G=Geolast	
			G=Geolast		



RD气动隔膜泵系列部件 RD PneumaticDiaphragm Pump Series Parts

处理系统图表 Treatment System Diagram



漏式球阀 Funnel Ball Valve



缓冲器 Buffer



法兰套件 Flange Parts

将螺纺泵连接头转换成ANSI标准将
ANSI标准连接头转换成螺纹连接头
Transfer the thread pump connector
into ANSI standard one and transfer
ANSI standard connector into the
thread one.



出口控制 Outlet Control

在泵送换向期间，稳压器可减少压力脉
冲尖峰过滤器可去除流体中的大型颗粒
During the pump reversing, the voltage
stabilizer can ceduce pressure pulse peak,
and the filter can remove large granules
in fluid.



进气调节 Air Inlet Adjustment

调节泵的控制速度和压力
Adjust the control speed and pressure
of the pump



消声器 Muffler

降低泵在排气时的声级
如迪公司各类型号的标准配置
Reduce the sound level of the pump
during exhausting
Standard configurations for puoducts
Of different mOdelS Of Rive wave
Company



检漏器 Leakage Detector

因隔膜故障出现的渗漏向遥控泵发出
停机信号以及任意设定的报警声
The leakage that occure due to
diaphragm failure will send the stopping
signal and randomly set alarm sound to
the remote-controlled control pump.



虹吸管 Siphon Pipe

材质与适用温度 Material and aplication of temperature

氟橡胶	Fluorine Rubber	-40°F(-40℃)-350°F(176.6℃)
特氟龙	Teflon	40°F(4.4℃)-350°F(176.6℃)
弹性混合物	Elastic Mixture	-20°F(-28.9℃)-220°F(104.4℃)
聚酯弹性体	Polyester Elastomer	-20°F(-28.9℃)-220°F(104.4℃)
聚乙烯	PE	0°F(-17.7℃)-140°F(60℃)
皮革	Leather	0°F(-17.7℃)-200°F(93.3℃)
氯丁橡胶	Nepprene Rubber	0°F(-17.7℃)-212°F(100℃)
丁腈橡胶	NBR	-40°F(40℃)-250°F(121.6℃)
聚氨酯	PU	-40°F(-40℃)-200°F(93.3℃)
流体腔:	Fluid-cavity:	
乙缩醛	Acetal	40°F(4.4℃)-150°F(65.5℃)
聚丙烯	PP	40°F(4.4℃)-150°F(65.5℃)
聚偏氟乙烯	PVDF	40°F(4.4℃)-200°F(93.3℃)带PTFE隔膜

RD气动隔膜泵零部件材质特性及选配 Features And Selection Of Part Materials Of RD Pneumatic Diaphragm Pump

乙缩醛(Acetal)-适用于球阀和阀座
Apply to valve ball&seat

良好的抗溶剂性、抗磨蚀性、摩擦阻力低、吸湿性低
Good anti-solvent, anti-abrasion, low friction resistance, low moisture absorption

铝合金(Aluminum)-适用于气动马达和流体腔
Apply to pneumatic motor&fluid-cavity

极强的击性、耐磨蚀性和耐热性、中等抗化学腐蚀性
除不能用于HHCS流体外，通用性好
Verystrong anti-hit, wear-resistance & heat resistance, moderate resistance
to chemical corrosion, with the exception of HHCS fluid

导电乙缩醛(Groundable Acetal)-适用于流体腔
Apply to fluid-cavity

良好的抗溶剂性和抗油漆性
适用于易燃性流体，不适于酸碱类流体
Good anti-solvent and anti-paint, and can be used for flammable fluid, not for
acid & alkali

聚醚弹性体(Hytrel)-适用于隔膜、球阀和阀座
Apply to diaphragm, valve ball&seat

良好的磨蚀性、可替代丁腈橡胶，适用于大多数中性流体
Good anti-abrasion, can replace Buna-N, apply to the majority of the neutral
fluid

聚偏氟乙烯(PVDF)-适用于流体腔和阀座
Apply to fluid-cavity & valve seat

较强抗化学性抗挤压性、抗磨蚀性，适用于高纯度酸类
Strong chemical extrusion resistance, anti-abrasion, apply to high purity acids

聚丙烯(PP)-适用于气动马达、流体腔和阀座
Apply to pneumatic motor, fluid-cavity & valve seat

中等抗磨蚀性、良好的抗化学性，通用性好
特别适合于普通的酸碱
Medium abrasion resistance, good chemical resistance, good versatility,
especially for common acid & alkali

氟橡胶(Viton)-适用于隔膜、球阀和阀座
Apply to diaphragm, valve ball & seat

极强耐酸性、耐无铅燃料、食品级
Highly acid-resistant, and resistant to unleaded fuel, food-grade

不锈钢(Stainless Steel)-适用于流体腔、阀座和球阀
Apply to fluid-cavity, valve ball & seat

极好的抗腐蚀性、抗磨蚀性、适用于水性涂料，粘性流体
Excellent corrosion resistance, abrasion resistance, and apply to water-based
Paints, viscous fluid

丁腈橡胶(Buna-N)-适用于隔膜和球阀
Apply to diaphragm, valve ball & seat

不适合强溶剂和化学流体，适用于汽油类流体，食品级
Not suitable for strong solvents and chemical fluid, apply to gasoline-type fluid,
food grade

铸铁(Al)-适用于流体腔
Apply to diaphragm

良好的抗磨蚀性，非常适合过滤泥浆输送
Good anti-abrasion, very suitable for transmitting filter mud

硬化不锈钢(Hardened Stainless Steel)-适用于阀座
Apply to valve ball

中等化学性，良好的抗磨蚀性
Medium chemical resistance, good anti-abrasion

弹性混合物(Santoprene)-适用于隔膜、球阀和阀座
Apply to diaphragm, valve ball & seat

良好的抗磨蚀性、抗化学性和耐热性，不适合溶性
可替代EPDM/DPR材质，食品级
Good anti-abrasion, anti-soluble and heat-resistant, not suitable for soluble
fluid, can replace EPDMEPR, food grade

特氟龙-适用于隔膜、球阀和阀座
PTFE, Teflon - apply to diaphragm, valve ball & seat

良好的抗化学性、抗溶剂性，中等抗磨蚀性，通用性强
Good anti-chemical, anti-soluble medium abrasion resistance, high
universality

(Geolast)-适用于隔膜、球阀和阀座
Apply to diaphragm, valve ball & seat

抗磨蚀性胜于Hytrel,抗化学性同Buna-N
Anti-abrasion better than Hytrel, anti-chemical same with Buna -N



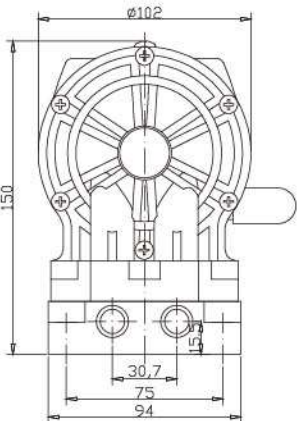
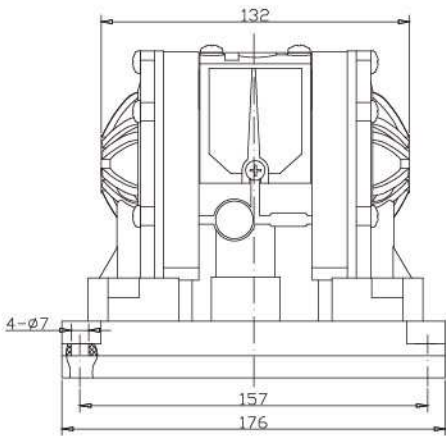
RD06 塑料泵 Plastic Pump (PP Acetal PVDF)

如迪流体输送设备
Rudi Fluid Conveyor



- 可处理多种流体
Various fluid can be dealt with.
- 弹簧式单向阀，自吸力强，适合于各种安装方式
Spring style non return valve that is of strong self-suction power is easy to install.
- Teflon隔膜更加耐用
Teflon diaphragm is more durable.
- 可外接电磁阀，便于遥控操作
Easy to control in long distance, able to connect with solenoid valve

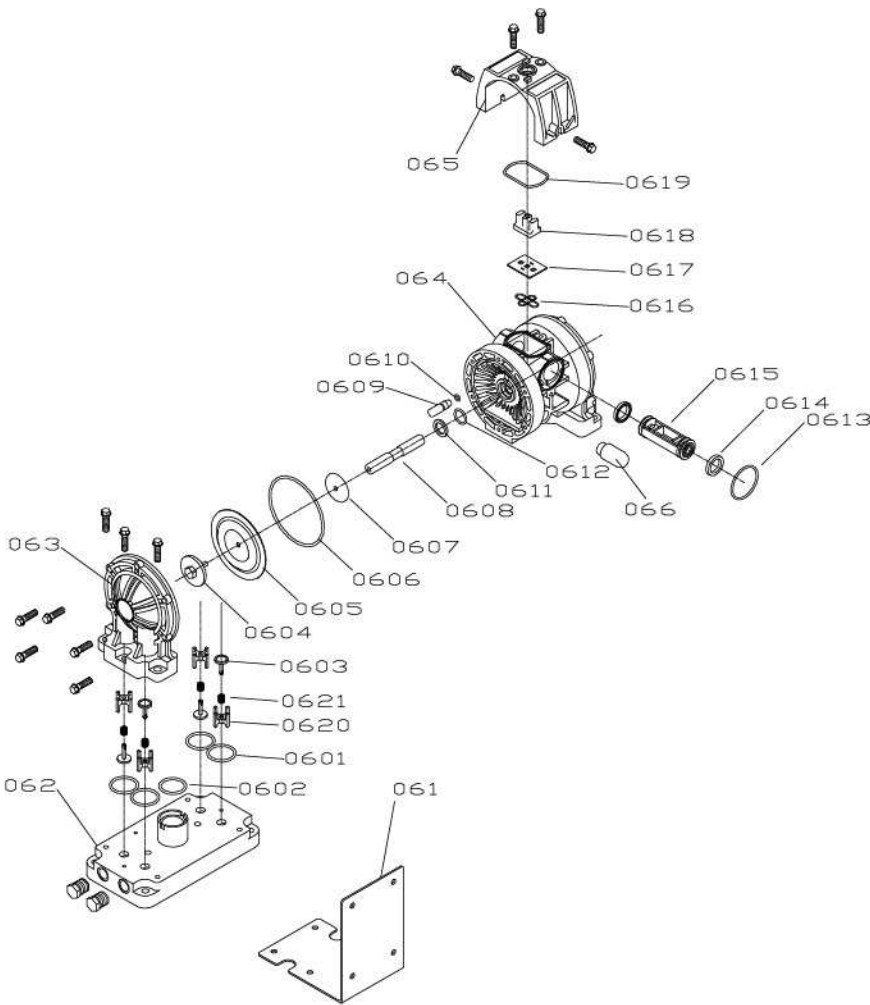
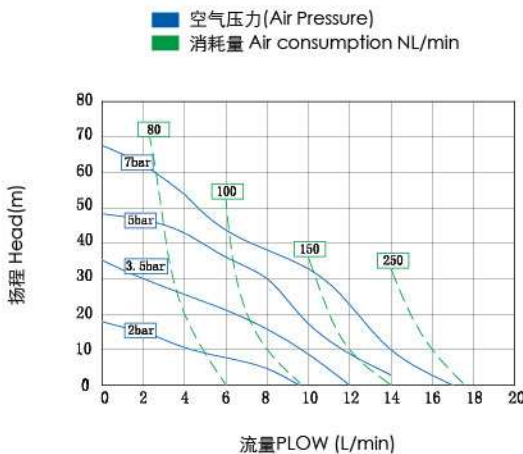
安装尺寸图 Installation Size Map



单位: mm

RD06 物美价廉 设计轻巧 RD06 series excellent quality and reasonable price; light and handy design

最大工作压力 max. working pressure	100psi(0.7Mpa,7bar)
最大流量 max.flow rate	17lpm (1.02m³/h)
最大往复速度 max. reciprocating speed	干运转 dry running(320cpm) 湿运转 wet running(250cpm)
最大虹吸高度(干抽)max.suction height(dry sucking)	3m
最大输送固体颗粒 max. permitted grain	0.5mm
最大空气消耗量 max. air consumption	9.0scfm(0.252m³/min)
空气进口尺寸 air inlet size	1/4in.npt(f) 1/4 in.bsp(f)
空气出口尺寸 air outlet size	1/4in.npt(f) 1/4 in.bsp(f)
液体进口尺寸 fluid inlet size	1/4in.npt(f)bsp(f)
液体出口尺寸 fluid outlet size	1/4in.npt(f)bsp(f)
重量 weight	乙缩醛泵 Acetal pump 1.1kg



零部件明细表 Parts List

序号No.	名称Name.	序号No.	名称Name.	序号No.	名称Name.	序号No.	名称Name.
061	底座	0602	O型圈	0609	换向针	0616	导气阀板垫
062	底板	0603	止回阀板	0610	换向针O型圈	0617	导气阀板
063	主柱	0604	外护块	0611	O型圈挡板	0618	导气开关
064	气阀体	0605	膜片	0612	中心轴O型圈	0619	气阀盖垫片
065	气阀盖	0606	膜片O型圈	0613	气阀体O型圈	0620	止回阀定位板
066	消声器	0607	内护块	0614	活塞V型圈	0621	弹簧
0601	O型圈	0608	中心轴	0615	活塞		



RD10 隔膜泵 Diaphragm Pump (PP 铝合金)

如迪流体输送设备
Rudi Fluid Conveyor

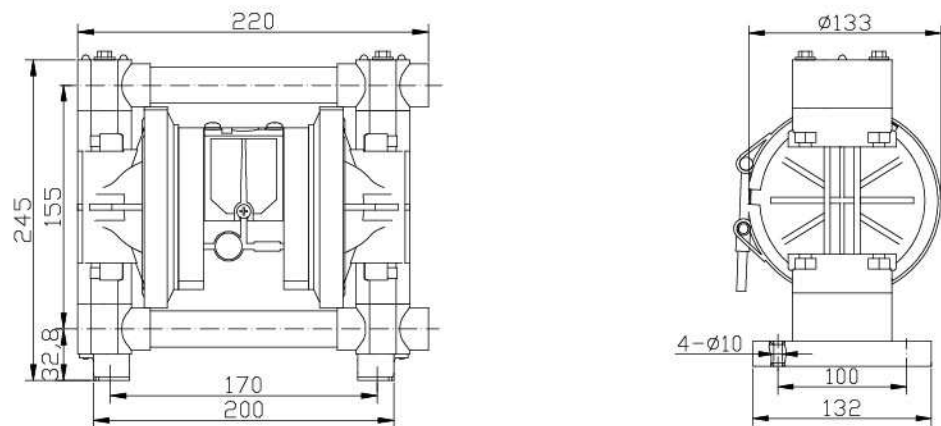


PP

铝合金

流量可达26.5lpm
Flow rate, up to 26.5lpm
空气阀和球座维修方便
Air valve and valve seat is easily repaired
运行噪音低
Low noise when operating

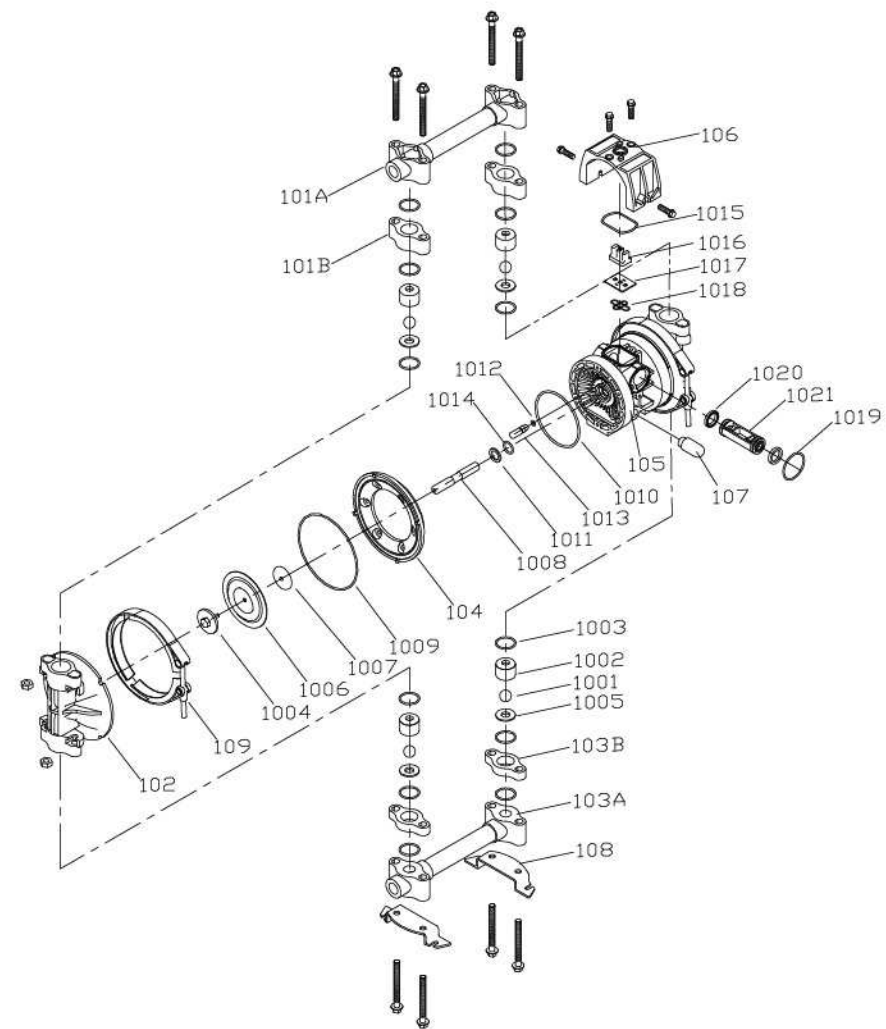
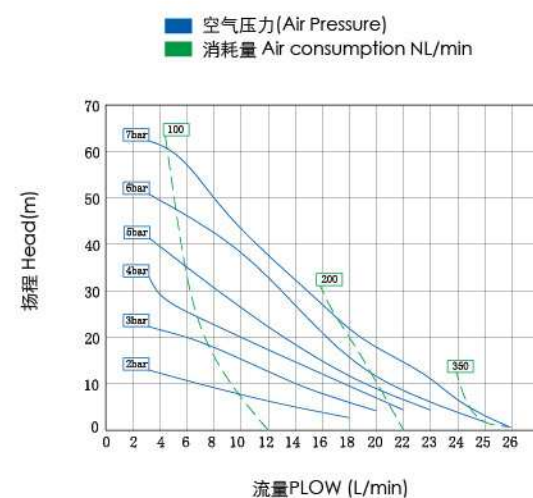
安装尺寸图 Installation Size Map



单位: mm

RD10 外形轻巧 便于携带
RD10 series light appearance that is easy to carry

最大工作压力 max. working pressure	100psi(0.7Mpa,7bar)
最大流量 max.flow rate	26lpm(1.56m³/h)
最大往复速度 max. reciprocating speed	330cpm
最大虹吸高度(干抽)max.suction height(dry sucking)	3m
最大输送固体颗粒 max. permitted grain	1/16 in. (1.6mm)
最大空气消耗量 max. air consumption	9.0scfm(0.17m³/min)
空气进口尺寸 air inlet size	1/4in.npt(f)
空气出口尺寸 air outlet size	1/4in.npt(f)
液体进口尺寸 fluid inlet size	3/8in.npt(f)bsp(f)
液体出口尺寸 fluid outlet size	3/8in.npt(f)bsp(f)
重量 weight	聚丙烯PP pump 2.5kg 铝合金AL pump 3.9kg



零部件明细表 Parts List

序号No.	名称Name.	序号No.	名称Name.	序号No.	名称Name.	序号No.	名称Name.
101A	上盖	107	消声器	1006	膜片	1014	中心轴O型圈
101B	出口连接块	108	底脚	1007	内护块	1015	气阀盖垫片
102	立柱	109	卡箍	1008	中心轴	1016	导气开关
103A	下盖	1001	球阀	1009	内夹板O型圈	1017	导气块
103B	进口连接块	1002	球座	1010	气阀体O型圈	1018	导气块垫片
104	内夹块	1003	球座O型圈	1011	O型圈挡板	1019	O型圈
105	气阀体	1004	外护块	1012	换向针O型圈	1020	V型圈
106	气阀盖	1005	球挡板	1013	换向针	1021	活塞



RD15
RD20法兰

塑料泵 Plastic Pump (PP Acetal PVDF)

如迪流体输送设备
Rudi Fluid Conveyor



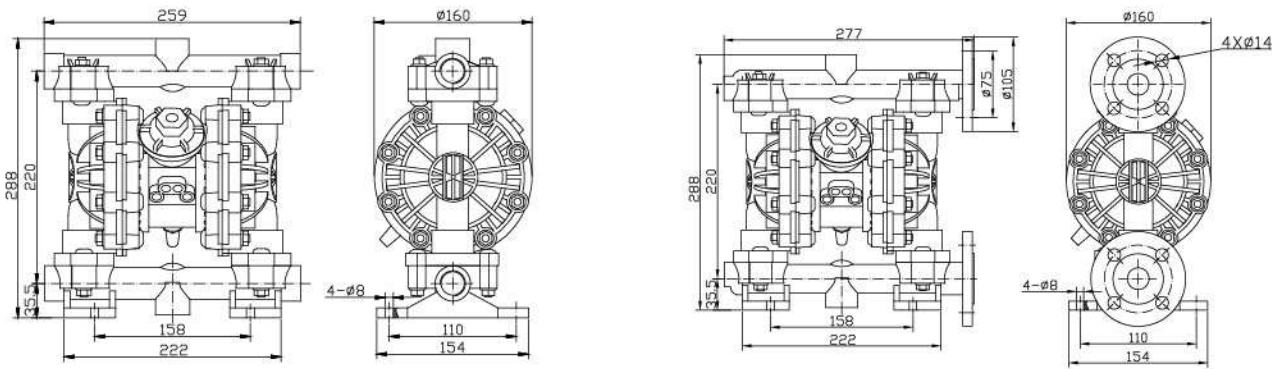
PP法兰

PVDF

20(20PP法兰)

多端口设计易于安装
Many ports, that design is easy to install.
可外接电磁阀，便于遥控操作
Easy to control in long distance, able to connect with solenoid valve
启动迅速，自吸力强
Quick to start, strong self-suction power.

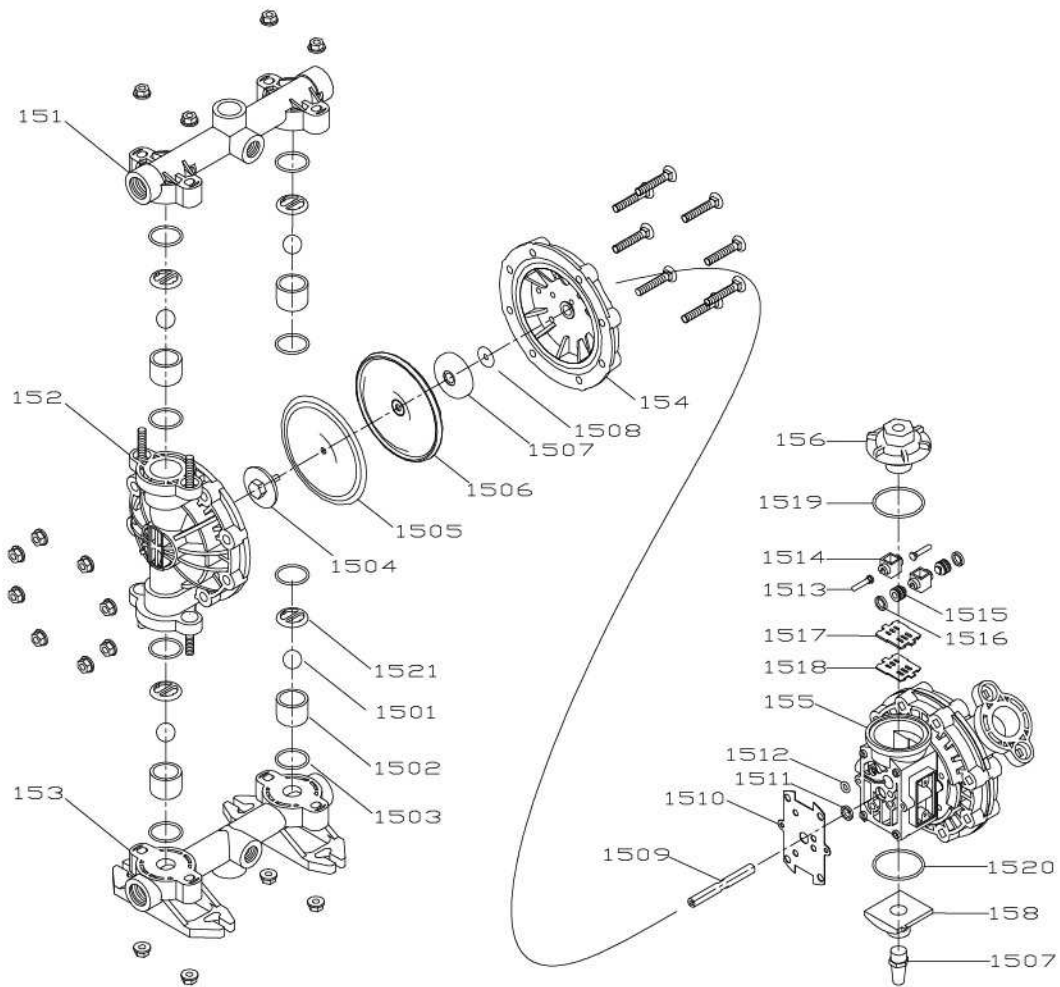
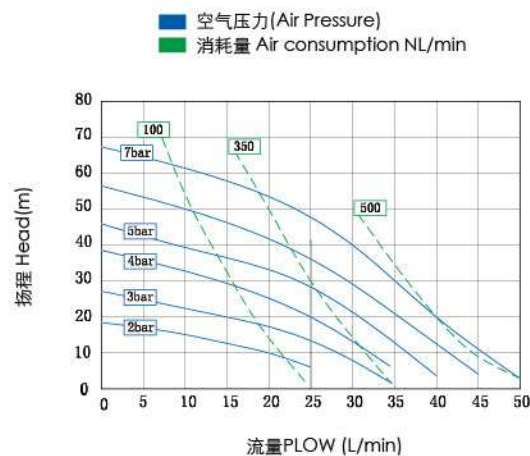
安装尺寸图 Installation Size Map



单位: mm

RD15 结构简单 坚固耐用
RD15 series simple structure, that is strong and durable.

最大工作压力 max. working pressure	100psi(0.7Mpa,7bar)
最大流量 max.flow rate	50lpm(3.0m³/h)
最大往复速度 max. reciprocating speed	400cpm
最大虹吸高度(干抽)max.suction height(dry sucking)	4m
最大输送固体颗粒 max. permitted grain	3/32 in. (2.5mm)
最大空气消耗量 max. air consumption	28scfm(0.672m³/min)
空气进口尺寸 air inlet size	1/4in.npt(f)
空气出口尺寸 air outlet size	3/8in.npt(f)
液体进口尺寸 fluid inlet size	1/2 and 3/4 in.npt(f) or bsp(f)
液体出口尺寸 fluid outlet size	1/2 and 3/4 in.npt(f) or bsp(f)
重量 weight	PVDF pump 3.7kg 聚丙烯泵PP pump 2.7kg



零部件明细表 Parts List

序号No.	名称Name.	序号No.	名称Name.	序号No.	名称Name.	序号No.	名称Name.
151	上盖	1501	阀球	1509	中心轴	1517	不锈钢导气块
152	立柱	1502	球座	1510	气阀体垫片	1518	不锈钢导气块垫片
153	下盖	1503	球座O型圈	1511	中心轴V型圈	1519	气阀盖O型圈
154	内夹板	1504	外护块	1512	换向针O型圈	1520	消声器底座O型圈
155	气阀体	1505	四氟膜片	1513	换向针	1521	球挡板
156	气阀盖	1506	橡胶膜片	1514	换向开关		
157	消声器	1507	内护块	1515	活塞		
158	消声器底座	1508	护块垫片	1516	活塞V型圈		



RD15 金属泵 Metal Pump (AL SST)

如迪流体输送设备
Rudi Fluid Conveyor

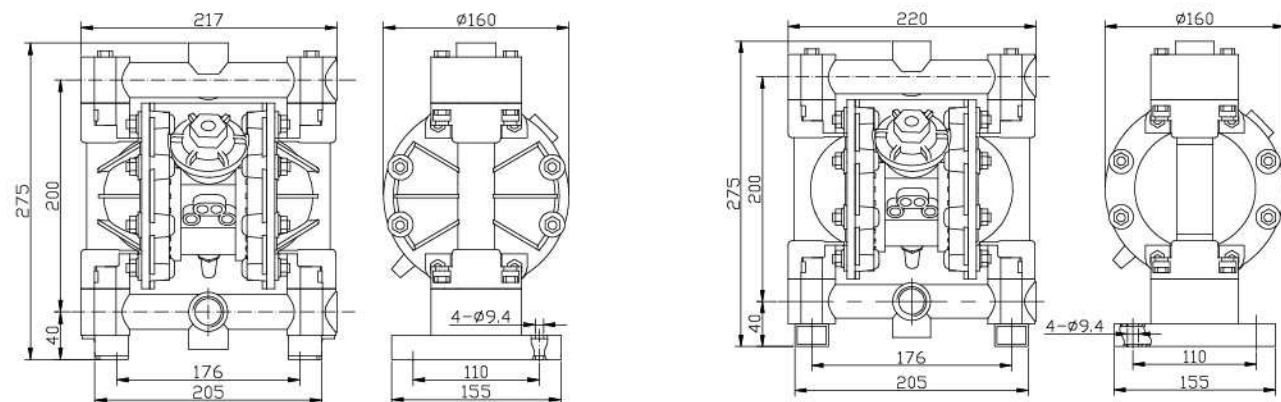


铝合金

不锈钢

多端口设计易于安装
Many ports, that design is easy to install.
可外接电磁阀, 便于遥控操作
Easy to control in long distance, able to connect with solenoid valve
启动迅速, 自吸力强
Quick to start, strong self-suction power.

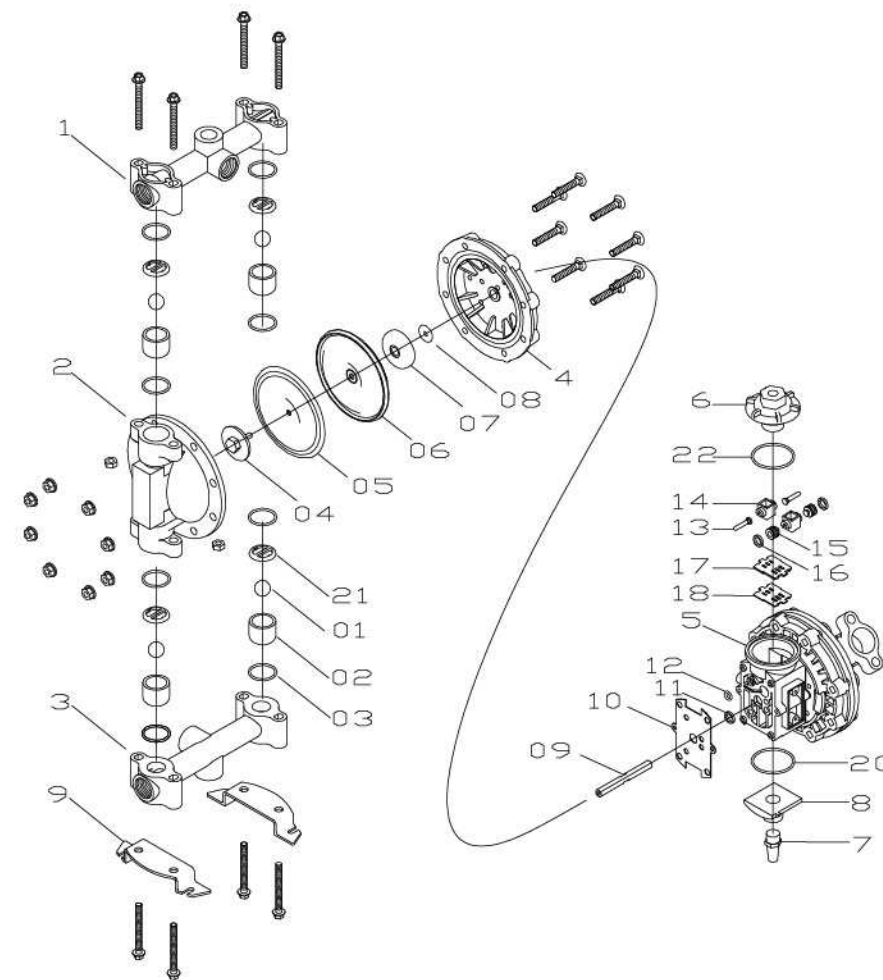
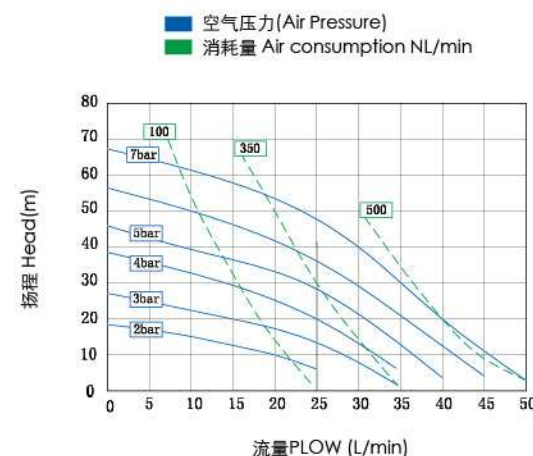
安装尺寸图 Installation Size Map



单位: mm

RD15 结构简单 坚固耐用 RD15 series simple structure, that is strong and durable.

最大工作压力 max. working pressure	100psi(0.7Mpa,7bar)
最大流量 max.flow rate	50lpm(3.0m³/h)
最大往复速度 max. reciprocating speed	400cpm
最大虹吸高度(干抽)max.suction height(dry sucking)	4m
最大输送固体颗粒 max. permitted grain	3/32 in. (2.5mm)
最大空气消耗量 max. air consumption	28scfm(0.672m³/min)
空气进口尺寸 air inlet size	1/4in.npt(f)
空气出口尺寸 air outlet size	3/8in.npt(f)
液体进口尺寸 fluid inlet size	1/2 and 3/4 in.npt(f) or bsp(f)
液体出口尺寸 fluid outlet size	1/2 and 3/4 in.npt(f) or bsp(f)
重量 weight	铝合金泵 Aluminum pump 4.4kg 不锈钢泵 Stainless steel pump 6.8kg



零部件明细表 Parts List

序号No.	名称Name.	序号No.	名称Name.	序号No.	名称Name.	序号No.	名称Name.
151	上盖	159	底脚	1508	护块垫片	1516	活塞V型圈
152	立柱	1501	球阀	1509	中心轴	1517	不锈钢导气块
153	下盖	1502	球座	1510	气阀体垫片	1518	不锈钢导气块垫片
154	内夹板	1503	球座O型圈	1511	中心轴V型圈	1519	气阀盖O型圈
155	气阀体	1504	外护块	1512	换向针O型圈	1520	消声器底座O型圈
156	气阀盖	1505	四氟膜片	1513	换向针	1521	球挡板
157	消声器	1506	橡胶膜片	1514	换向开关		
158	消声器底座	1507	内护块	1515	活塞		



RD25 金属泵 Metal Pump (AL SST)

如迪流体输送设备
Rudi Fluid Conveyor

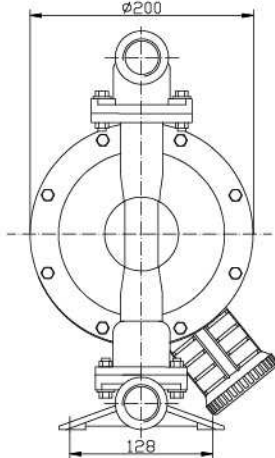
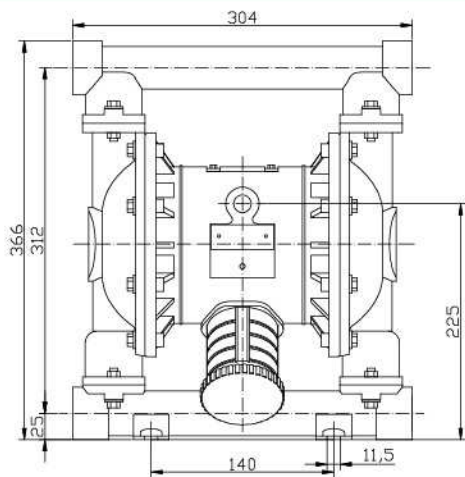


铝合金

不锈钢

- 体积小，流量高（可达150l/min）
Small size, flow rate up to 150l/min
- 液体压力可达7bar
Fluid pressure, up to 7bar
- 中心体部位有防腐涂层
Central body, covered by anti-corrosion cost
- 可靠的空气换向阀
Reliable air reversing valve

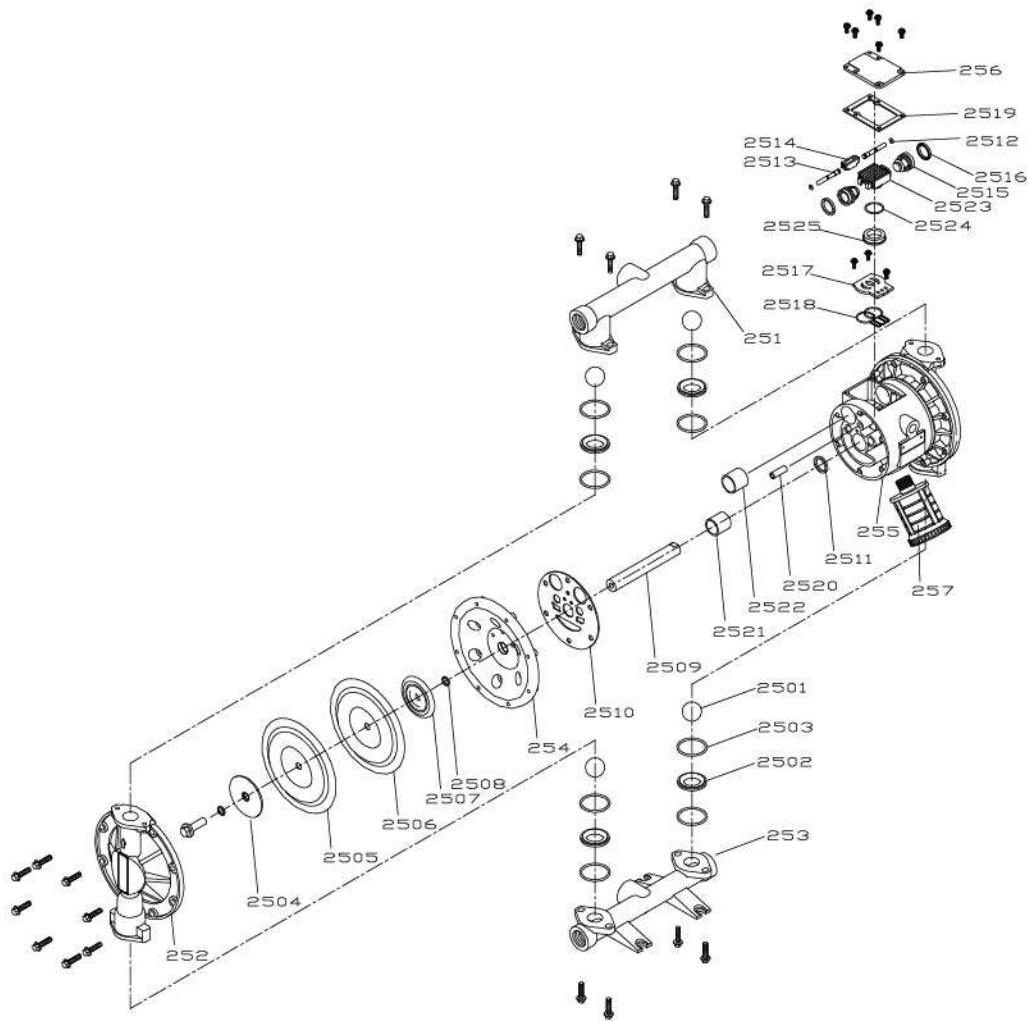
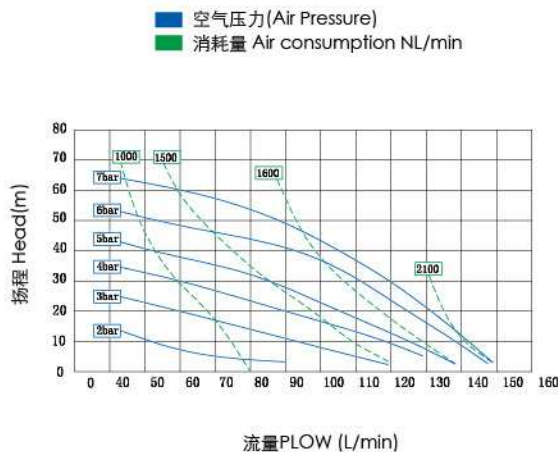
安装尺寸图 Installation Size Map



单位: mm

RD25 安全可靠 应用广泛 RD25 series safe and reliable, widely use

最大工作压力 max. working pressure	100psi(0.7Mpa,7bar)
最大流量 max.flow rate	150lpm(9.0m³/h)
最大往复速度 max. reciprocating speed	276cpm
最大虹吸高度(干抽)max.suction height(dry sucking)	5m
最大输送固体颗粒 max. permitted grain	4mm
最大空气消耗量 max. air consumption	60scfm(1.7m³/min)
空气进口尺寸 air inlet size	1/2in.npt(f)
空气出口尺寸 air outlet size	3/4in.npt(f)
液体进口尺寸 fluid inlet size	1 in.npt(f)bsp(f)
液体出口尺寸 fluid outlet size	1 in.npt(f)bsp(f)
重量 weight	铝合金泵 Aluminum pump 8.2kg 不锈钢泵 Stainless stell pump 15.0kg



零部件明细表 Parts List

序号No.	名称Name.	序号No.	名称Name.	序号No.	名称Name.	序号No.	名称Name.
251	上盖	2502	球座	2510	气阀体垫片	2518	不锈钢导气块垫片
252	立柱	2503	球座O型圈	2511	中心轴V型圈	2519	气阀盖垫片
253	下盖	2504	外护块	2512	换向针O型圈	2520	换向针套
254	内夹板	2505	四氟膜片	2513	换向针	2521	中心轴套
255	气阀体	2506	橡胶膜片	2514	换向开关	2522	活塞套
256	气阀盖	2507	内护块	2515	活塞	2523	导气开关铝件
257	消声器	2508	O型圈	2516	活塞V型圈	2524	导气开关O型圈
2501	阀球	2509	中心轴	2517	不锈钢导气块	2525	导气开关塑料件



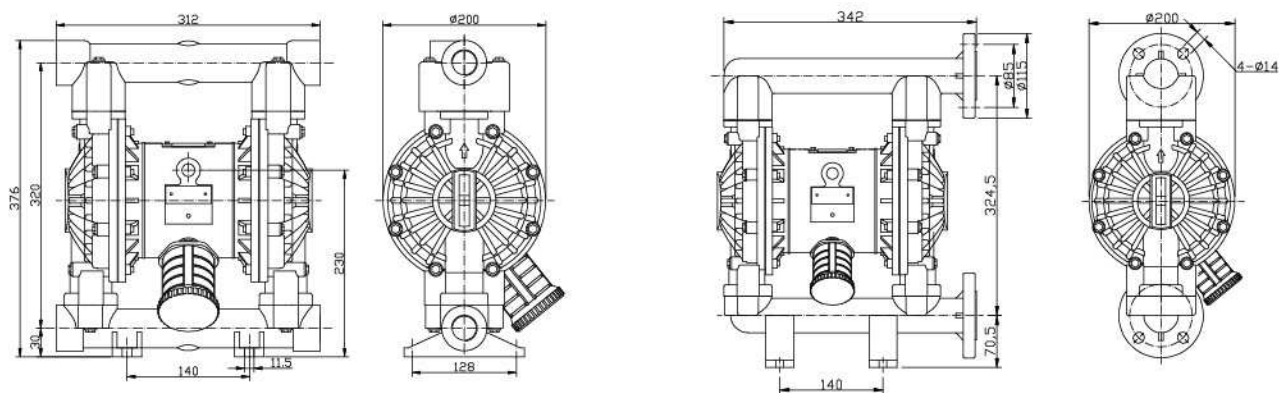
RD25 塑料泵 Plastic Pump (PP Acetal PVDF)

如迪流体输送设备
Rudi Fluid Conveyor



体积小, 流量高 (可达150l/min)
Small size, flow rate up to 150l/min
液体压力可达7bar
Fluid pressure, up to 7bar
中心体部位有防腐涂层
Central body, covered by anti-corrosion cost
可靠的空气换向阀
Reliable air reversing valve

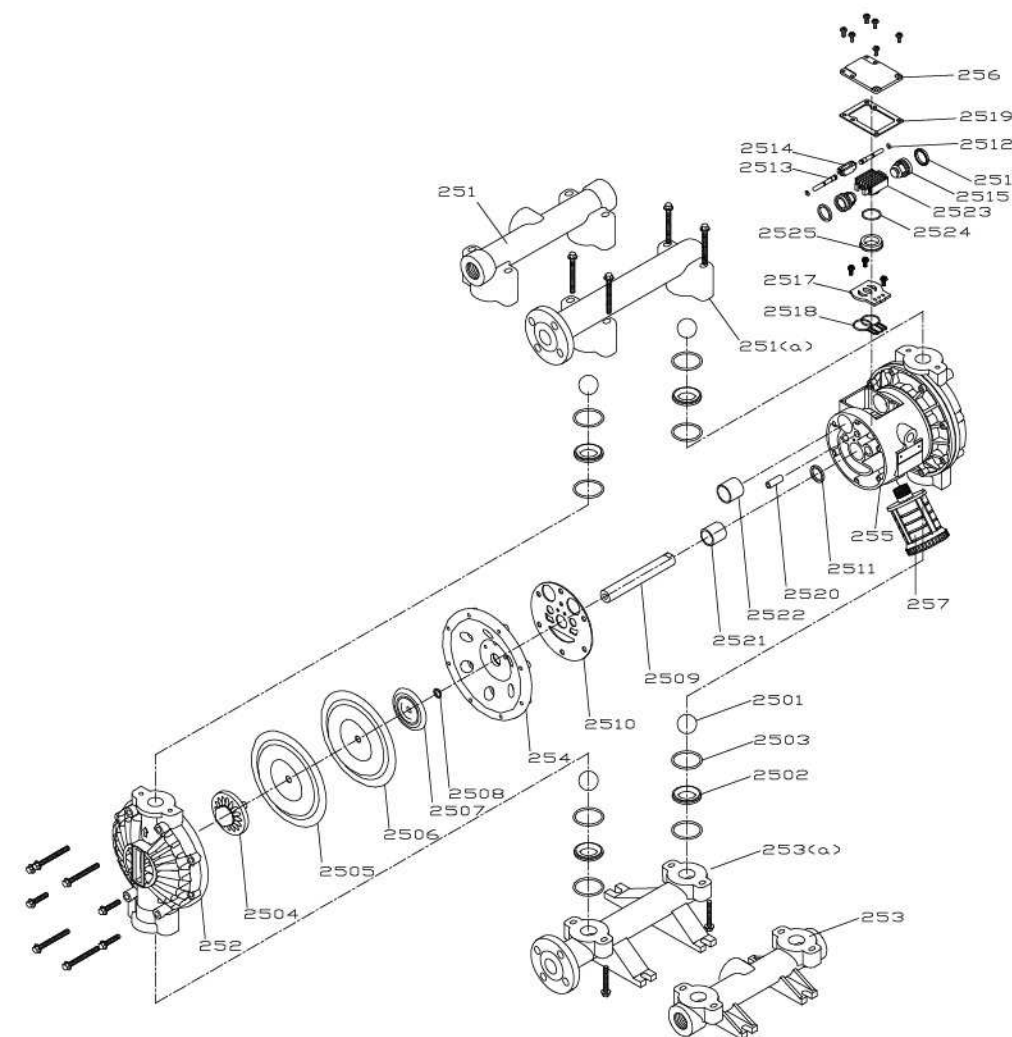
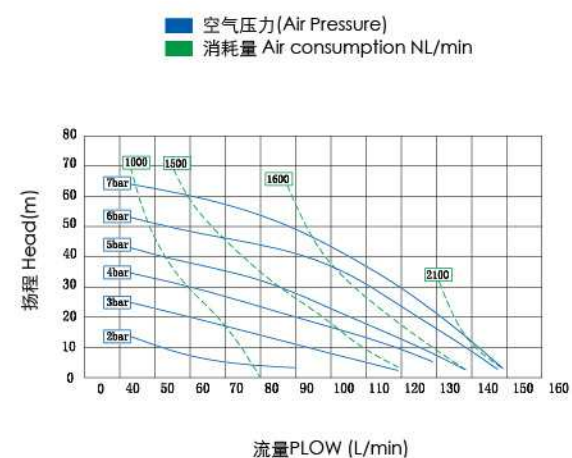
安装尺寸图 Installation Size Map



单位: mm

RD25 安全可靠 应用广泛 RD25 series safe and reliable, widely use

最大工作压力 max. working pressure	100psi(0.7Mpa,7bar)
最大流量 max.flow rate	150lpm(9.0m³/h)
最大往复速度 max. reciprocating speed	276cpm
最大虹吸高度(干抽)max.suction height(dry sucking)	5m
最大输送固体颗粒 max. permitted grain	4mm
最大空气消耗量 max. air consumption	60scfm(1.7m³/min)
空气进口尺寸 air inlet size	1/2in.npt(f)
空气出口尺寸 air outlet size	3/4in.npt(f)
液体进口尺寸 fluid inlet size	1 in.npt(f)bsp(f)
液体出口尺寸 fluid outlet size	1 in.npt(f)bsp(f)
重量 weight	PVDF pump 10.0kg 聚丙烯泵 PP pump 8.0kg



零部件明细表 Parts List

序号No.	名称Name.	序号No.	名称Name.	序号No.	名称Name.	序号No.	名称Name.
251(a)	上盖(法兰)	2502	球座	2510	气阀体垫片	2518	不锈钢导气块垫片
252	立柱	2503	球座O型圈	2511	中心轴V型圈	2519	气阀盖垫片
253(a)	下盖(法兰)	2504	外护块	2512	换向针O型圈	2520	换向针套
254	内夹板	2505	四氟膜片	2513	换向针	2521	中心轴套
255	气阀体	2506	橡胶膜片	2514	换向开关	2522	活塞套
256	气阀盖	2507	内护块	2515	活塞	2523	导气开关铝件
257	消声器	2508	O型圈	2516	活塞V型圈	2524	导气开关O型圈
2501	阀球	2509	中心轴	2517	不锈钢导气块	2525	导气开关塑料件

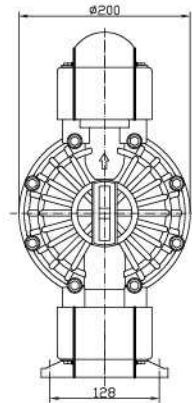
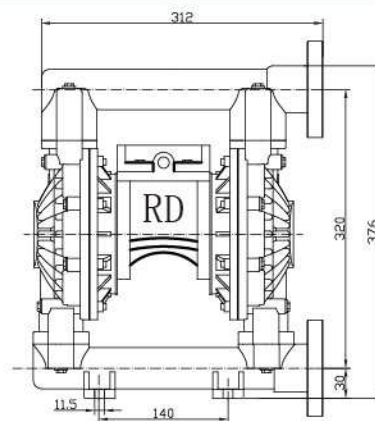


RD25 全新塑料隔膜泵 New Plastic Diaphragm Pump



- 体积小,流量高达150L/min
Small size,flow rate up to 1150L/min
- 液体压力可达7bar
Fluid pressure, up to 7bar
- 气阀体部位有防腐蚀涂层
Central body, covered by anti-corrosion cost
- 可靠的空气换向阀
Reliable air reversing valve

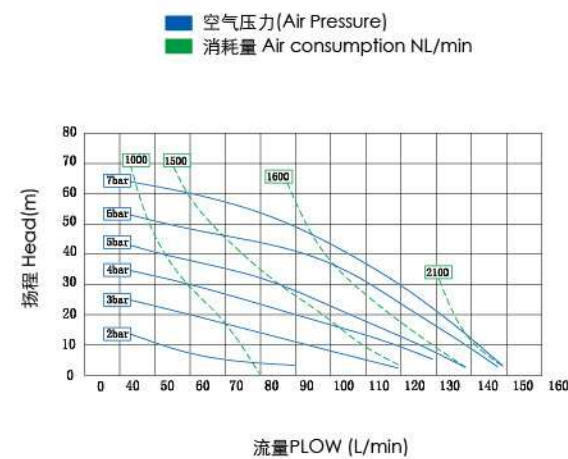
安装尺寸图 Installation Size Map



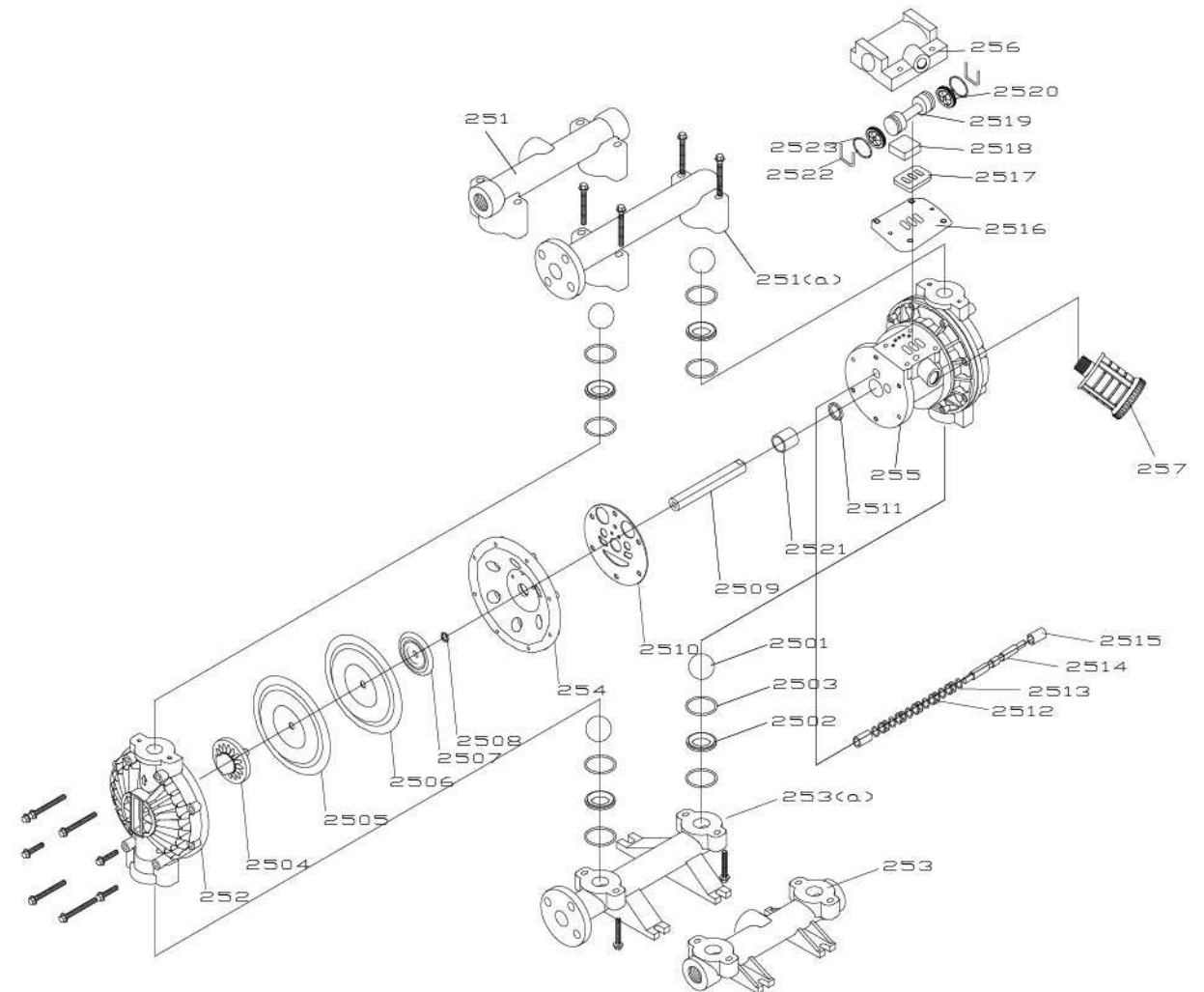
单位: mm

RD25 安全可靠 应用广泛
RD25 series safe and reliable, widely use

最大工作压力 max. working pressure	100psi(0.7Mpa,7bar)
最大流量 max.flow rate	150lpm(9.0m³/h)
最大往复速度 max. reciprocating speed	276cpm
最大虹吸高度(干抽)max.suction height(dry sucking)	5m
最大输送固体颗粒 max. permitted grain	4mm
最大空气消耗量 max. air consumption	60scfm(1.7m³/min)
空气进口尺寸 air inlet size	1/2in.npt(f)
空气出口尺寸 air outlet size	3/4in.npt(f)
液体进口尺寸 fluid inlet size	1 in.npt(f)bsp(f)
液体出口尺寸 fluid outlet size	1 in.npt(f)bsp(f)
重量 weight	铝合金泵 Aluminum pump 8.2kg 不锈钢泵 Stainless stell pump 15.0kg



如迪流体输送设备
Rudi Fluid Conveyor



零部件明细表 Parts List

序号No.	名称Name	序号No.	名称Name	序号No.	名称Name
251	上盖	2505	四氟膜片	2515	换向针套
252	立柱	2506	橡胶膜片	2516	气阀体软木垫
253	下盖	2507	内护块	2517	导气块
254	内夹板	2508	护块O型圈	2518	导气开关
255	气阀体	2509	中心轴	2519	活塞
256	气阀盖	2510	中间体垫片	2520	活塞限位件
257	消声器	2511	中心轴V型圈	2521	中心轴套
2501	球阀	2512	换向针O型圈	2522	定制挡圈
2502	球座	2513	换向针O型圈	2523	限位件O型圈
2503	球座 O型圈	2514	换向针		



RD40 金属泵 Metal Pump (AL SST)

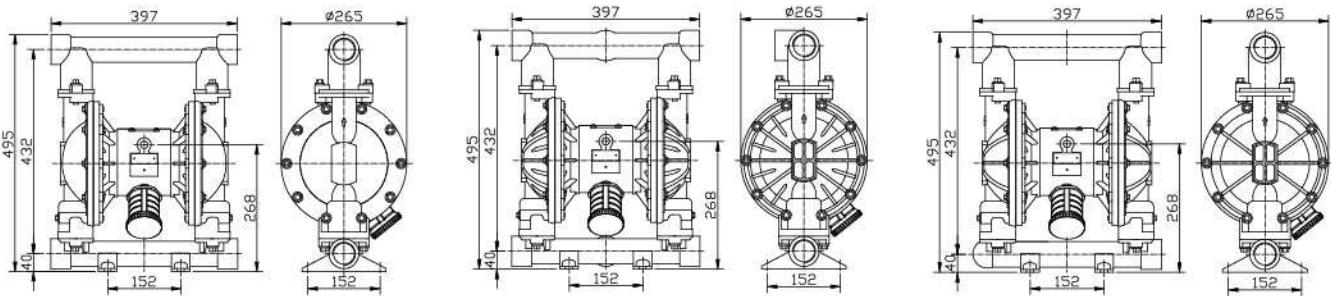
如迪流体输送设备
Rudi Fluid Conveyor



不锈钢 铝合金 铸铁

- 体积小，流量高（可达340l/min）
Small size, flow rate up to 150l/min
- 液体压力可达7bar
Fluid pressure, up to 7bar
- 中心体部位有防腐涂层
Central body, covered by anti-corrosion cost
- 可靠的空气换向阀
Reliable air reversing valve

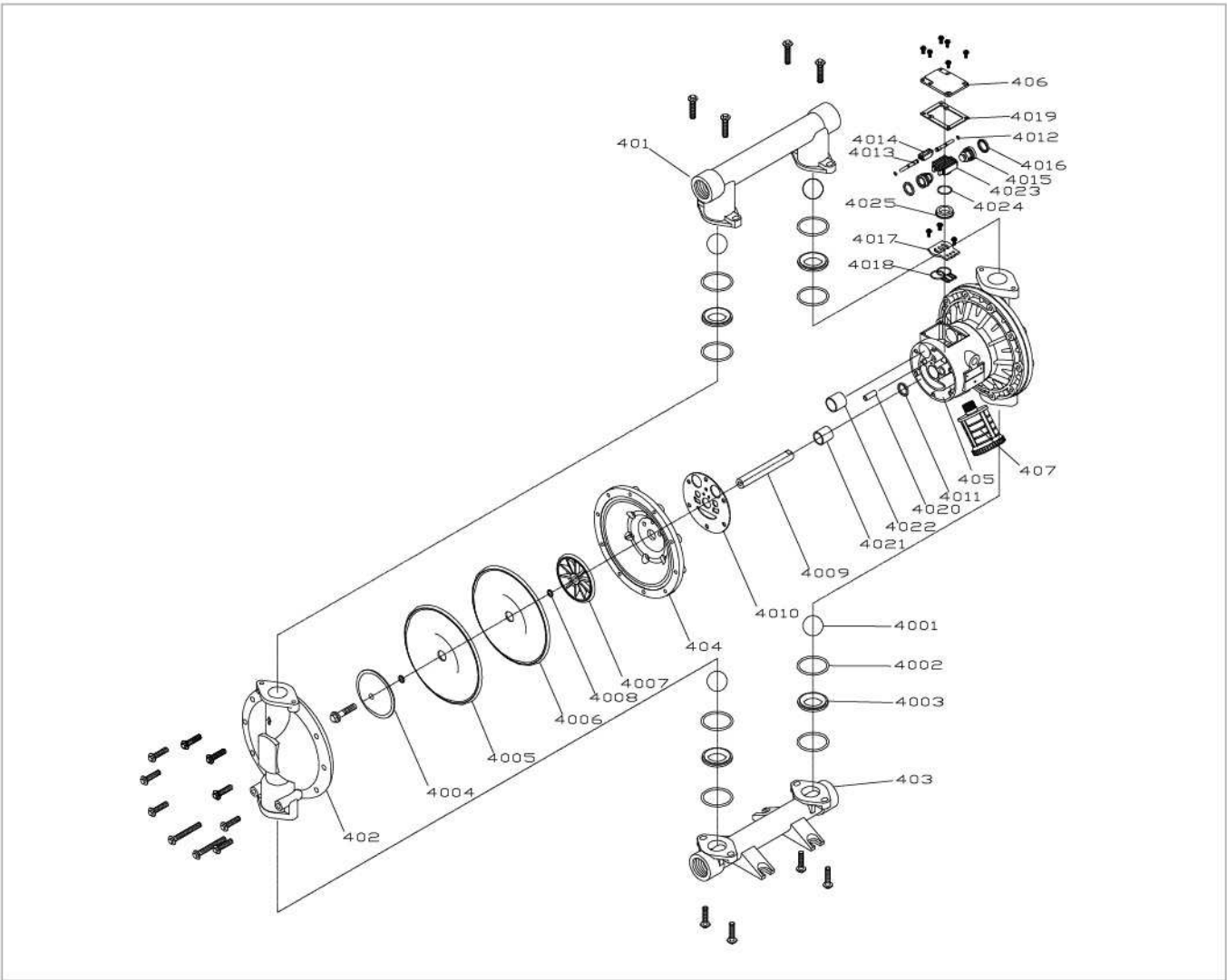
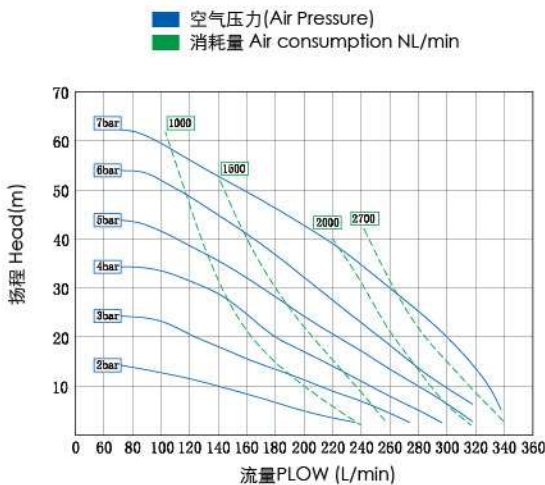
安装尺寸图 Installation Size Map



单位: mm

RD25 RD40 RD50 采用相同的中间体 RD25 40 50 series same central body

最大工作压力 max. working pressure	100psi(0.7Mpa,7bar)
最大流量 max.flow rate	340lpm(20m³/h)
最大往复速度 max. reciprocating speed	200cpm
最大虹吸高度(干抽)max.suction height(dry sucking)	5m
最大输送固体颗粒 max. permitted grain	5mm
最大空气消耗量 max. air consumption	125scfm(3.5m³/min)
空气进口尺寸 air inlet size	1/2in.npt(f)
空气出口尺寸 air outlet size	3/4in.npt(f)
液体进口尺寸 fluid inlet size	1 1/2in.npt(f)bsp(f)
液体出口尺寸 fluid outlet size	1 1/2in.npt(f)bsp(f)
重量 weight	铝合金泵 Aluminum pump 16.0kg 不锈钢泵 Stainless stell pump 29.0kg



零部件明细表 Parts List

序号No.	名称Name.	序号No.	名称Name.	序号No.	名称Name.	序号No.	名称Name.
401	上盖	4002	球座	4010	气阀体垫片	4018	不锈钢导气块垫片
402	立柱	4003	球座O型圈	4011	中心轴V型圈	4019	气阀盖垫片
403	下盖	4004	外护块	4012	换向针O型圈	4020	换向针套
404	内夹板	4005	四氟膜片	4013	换向针	4021	中心轴套
405	气阀体	4006	橡胶膜片	4014	换向开关	4022	活塞套
406	气阀盖	4007	内护块	4015	活塞	4023	导气开关铝件
407	消声器	4008	护块O型圈	4016	活塞V型圈	4024	导气开关O型圈
4001	阀球	4009	中心轴	4017	不锈钢导气块	4025	导气开关塑料件



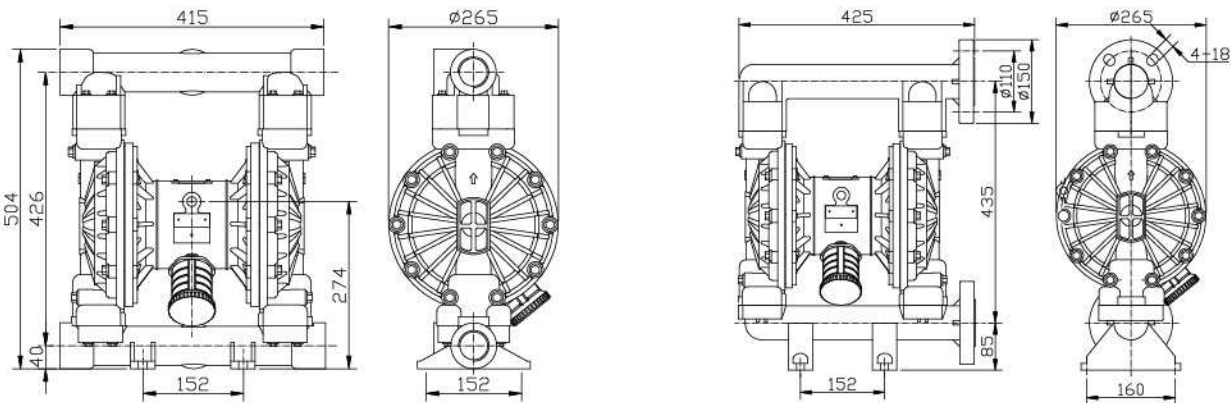
RD40 塑料泵 Plastic Pump (PP Acetal PVDF)

如迪流体输送设备
Rudi Fluid Conveyor



- 体积小，流量高（可达150l/min）
Small size, flow rate up to 150l/min
- 液体压力可达7bar
Fluid pressure, up to 7bar
- 中心体部位有防腐涂层
Central body, covered by anti-corrosion cost
- 可靠的空气换向阀
Reliable air reversing valve

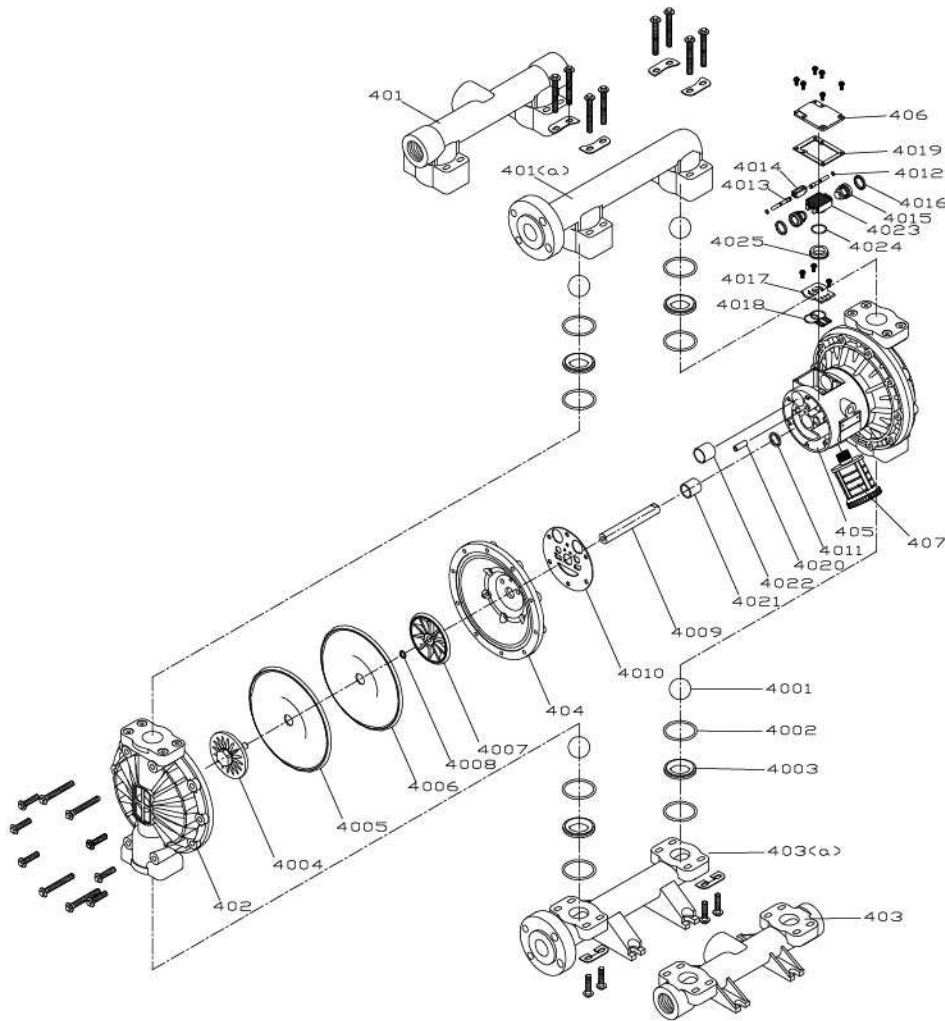
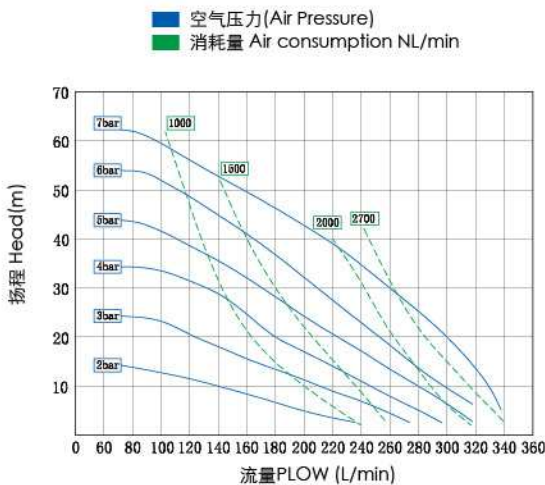
安装尺寸图 Installation Size Map



单位: mm

RD25 RD40 RD50 采用相同的中间体
RD25 40 50 series same central body

最大工作压力 max. working pressure	100psi(0.7Mpa,7bar)
最大流量 max.flow rate	340lpm(20m³/h)
最大往复速度 max. reciprocating speed	200cpm
最大虹吸高度(干抽)max.suction height(dry sucking)	5m
最大输送固体颗粒 max. permitted grain	5mm
最大空气消耗量 max. air consumption	125scfm(3.5m³/min)
空气进口尺寸 air inlet size	1/2in.npt(f)
空气出口尺寸 air outlet size	3/4in.npt(f)
液体进口尺寸 fluid inlet size	1 1/2in.npt(f)bsp(f)
液体出口尺寸 fluid outlet size	1 1/2in.npt(f)bsp(f)
重量 weight	PVDF pump 20.0kg 聚丙烯泵 PP pump 16.kg



零部件明细表 Parts List

序号No.	名称Name.	序号No.	名称Name.	序号No.	名称Name.	序号No.	名称Name.
401(a)	上盖(法兰)	4002	球座	4010	气阀体垫片	4018	不锈钢导气块垫片
402	立柱	4003	球座O型圈	4011	中心轴V型圈	4019	气阀盖垫片
403(a)	下盖(法兰)	4004	外护块	4012	换向针O型圈	4020	换向针套
404	内夹板	4005	四氟膜片	4013	换向针	4021	中心轴套
405	气阀体	4006	橡胶膜片	4014	换向开关	4022	活塞套
406	气阀盖	4007	内护块	4015	活塞	4023	导气开关铝件
407	消声器	4008	护块O型圈	4016	活塞V型圈	4024	导气开关O型圈
4001	阀球	4009	中心轴	4017	不锈钢导气块	4025	导气开关塑料件



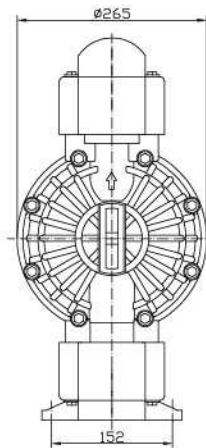
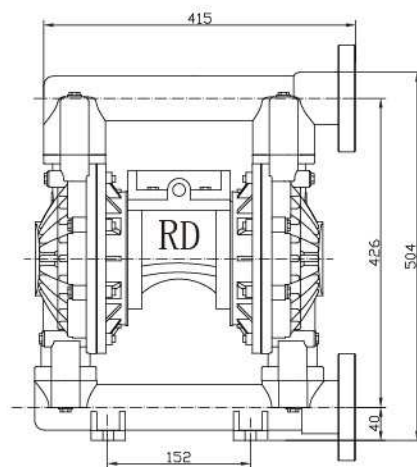
RD40 全新塑料隔膜泵 New Plastic Diaphragm Pump

如迪流体输送设备
Rudi Fluid Conveyor



- 体积小,流量高达340L/min
Small size, flow rate up to 340L/min
- 液体压力可达7bar
Fluid pressure, up to 7bar
- 气阀体部位有防腐蚀涂层
Central body, covered by anti-corrosion cost
- 可靠的空气换向阀
Reliable air reversing valve

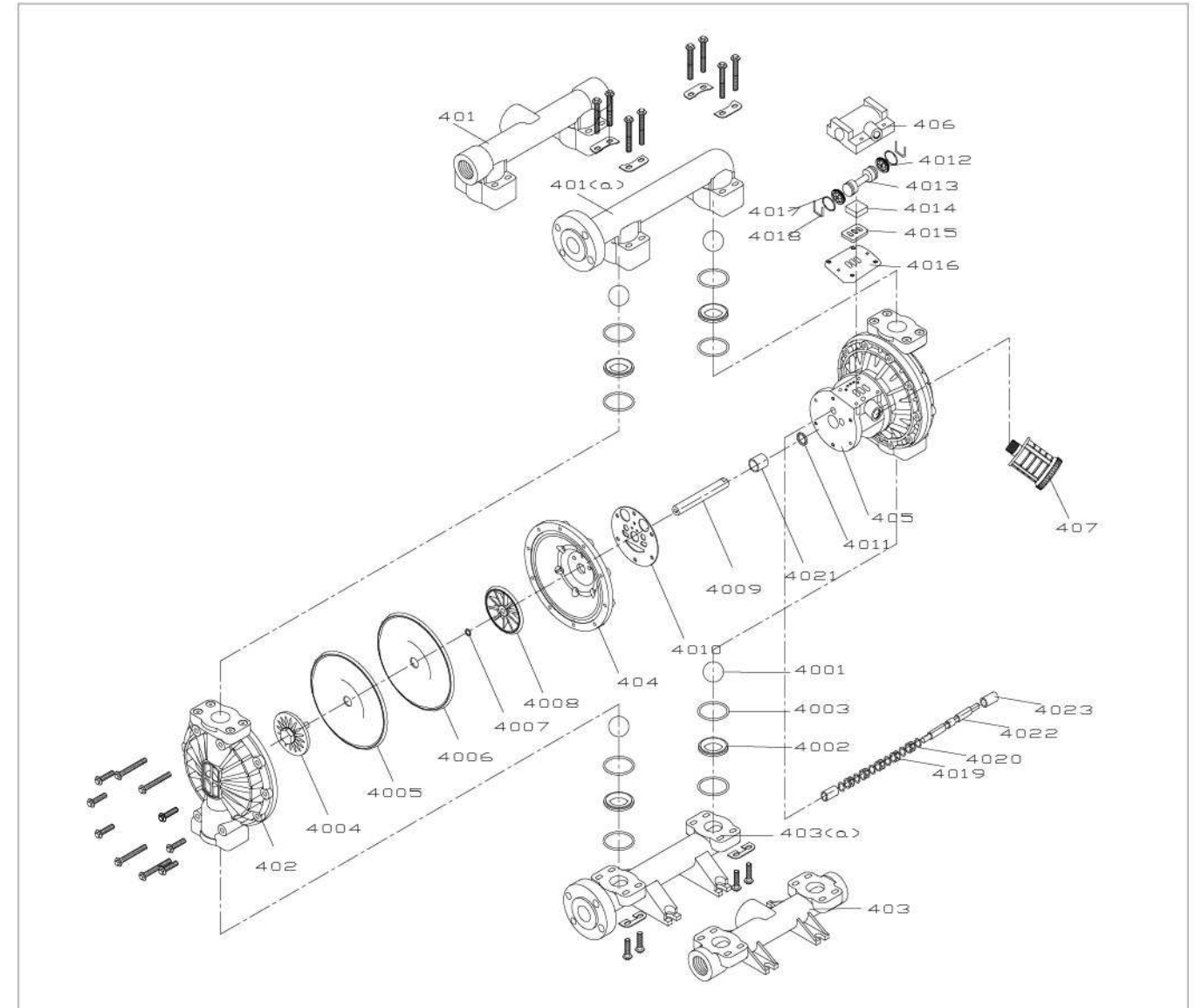
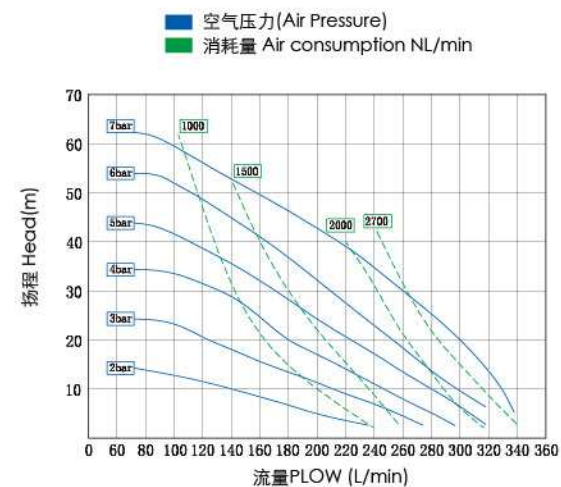
安装尺寸图 Installation Size Map



单位: mm

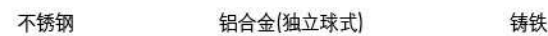
RD25 RD40 RD50 采用相同的中间体
RD25 40 50 series same central body

最大工作压力 max. working pressure	100psi(0.7Mpa,7bar)
最大流量 max.flow rate	340lpm(20m³/h)
最大往复速度 max. reciprocating speed	200cpm
最大虹吸高度(干抽)max.suction height(dry sucking)	5m
最大输送固体颗粒 max. permitted grain	5mm
最大空气消耗量 max. air consumption	125scfm(3.5m³/min)
空气进口尺寸 air inlet size	1/2in.npt(f)
空气出口尺寸 air outlet size	3/4in.npt(f)
液体进口尺寸 fluid inlet size	1 1/2in.npt(f)bsp(f)
液体出口尺寸 fluid outlet size	1 1/2in.npt(f)bsp(f)
重量 weight	铝合金泵 Aluminum pump 16.0kg 不锈钢泵 Stainless stell pump 29.0kg



零部件明细表 Parts List

序号No.	名称Name	序号No.	名称Name	序号No.	名称Name
401	上盖	4004	外护块	4014	导气开关
402	立柱	4005	四氟膜片	4015	导气块
403	下盖	4006	橡胶膜片	4016	气阀体软木垫
404	内夹块	4007	内护块	4017	限位件O型圈
405	气阀体	4008	护块O型圈	4018	定制挡圈
406	气阀盖	4009	中心轴	4019	换向开关
407	消声器	4010	中间体垫片	4020	换向开关O型圈
4001	球阀	4011	中心轴V型圈	4021	中心轴套
4002	球座	4012	活塞限位件	4022	换向针
4003	球座O型圈	4013	活塞	4023	换向针套



流体压力可达 120psi
Fluid pressure, up to 120psi

先导式的空气阀, 可在线维修, 并无需打开内胆
Guided air valve can be repaired during work,
no need to open the central body.

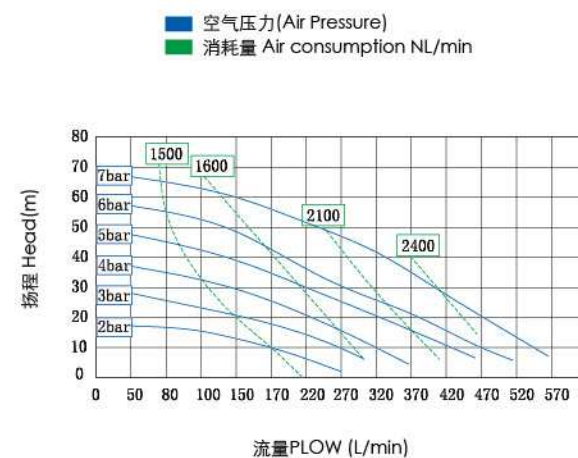
环氧涂层可抵御恶劣的工作环境
The coat can protect from terrible working
environment.

安装尺寸图 Installation Size Map



RD50 操作简单 维修方便
RD50 series easy to operate and repair

最大工作压力 max. working pressure	100psi(0.7Mpa,7bar)
最大流量 max.flow rate	570lpm(34m³/h)
最大往复速度 max. reciprocating speed	145cpm
最大虹吸高度(干抽)max.suction height(dry sucking)	5m
最大输送固体颗粒 max. permitted grain	6mm
最大空气消耗量 max. air consumption	175scfm(4.9m³/min)
空气进口尺寸 air inlet size	1/2in.npt(f)
空气出口尺寸 air outlet size	3/4in.npt(f)
液体进口尺寸 fluid inlet size	2 in.npt(f)bsp(f)
液体出口尺寸 fluid outlet size	2 in.npt(f)bsp(f)
重量 weight	铝合金泵 Aluminum pump 29.0kg 不锈钢泵 Stainless stell pump 47.0kg



序号No.	名称Name.	序号No.	名称Name.	序号No.	名称Name.	序号No.	名称Name.
501	上盖	5002	球座	5011	中心轴V型圈	5020	换向针套
502	立柱	5003	球座O型圈	5012	换向针O型圈	5021	中心轴套
503	下盖	5004	外护块	5013	换向针	5022	活塞套
504	内夹板	5005	四氟膜片	5014	换向开关	5023	导气开关铝件
505	气阀体	5006	橡胶膜片	5015	活塞	5024	导气开关O型圈
506	气阀盖	5007	内护块	5016	活塞V型圈	5025	导气开关塑料件
507	消声器	5008	护块O型圈	5017	不锈钢导气块		
508	球座	5009	中心轴	5018	不锈钢导气块垫片		
5001	阀球	5010	气阀体垫片	5019	气阀盖垫片		



RD50 塑料泵 Plastic Pump (PP Acetal PVDF)

如迪流体输送设备
Rudi Fluid Conveyor



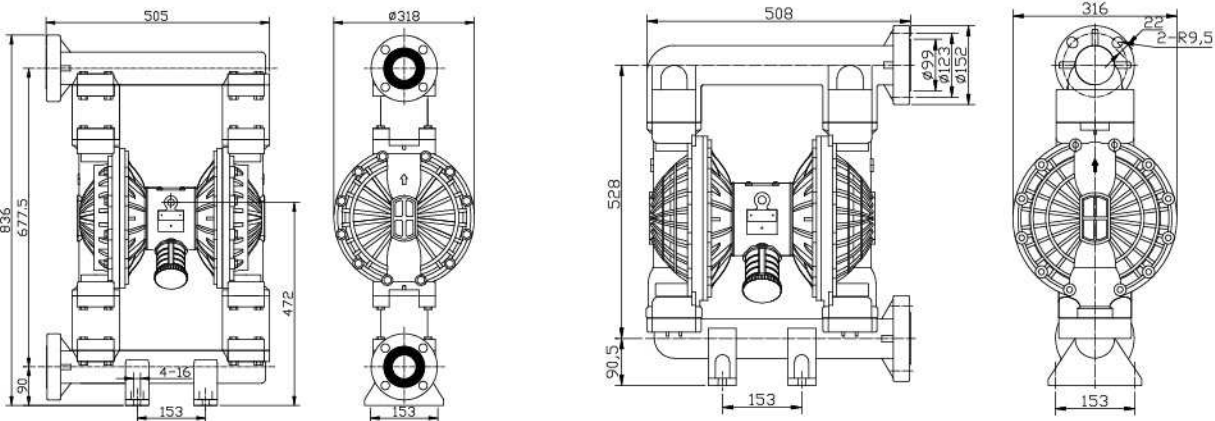
独立球式

法兰PVDF

法兰PP

流体压力可达 120psi
Fluid pressure, up to 120psi
先导式的空气阀, 可在线维修, 并无需打开内腔
Guided air avlve can be repaired during work, no need to open the central body.
环氧涂层可抵御恶劣的工作环境
The coat can protcat from terrible working environment.

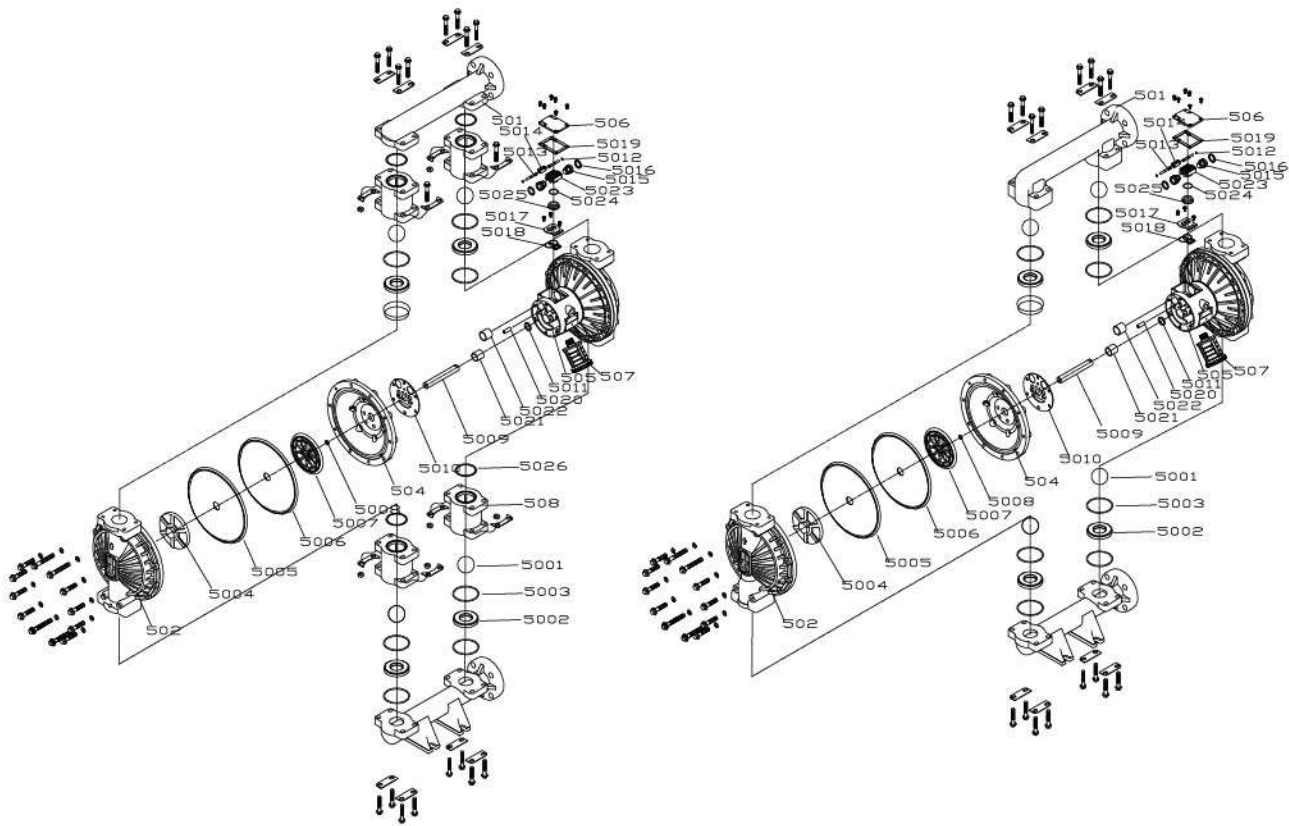
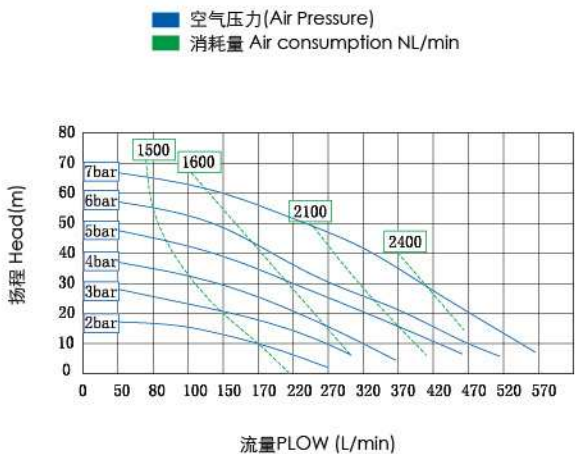
安装尺寸图 Installation Size Map



单位: mm

RD50 操作简单 维修方便 RD50 series easy to operate and repair

最大工作压力 max. working pressure	100psi(0.7Mpa,7bar)
最大流量 max.flow rate	570lpm(34m³/h)
最大往复速度 max. reciprocating speed	145cpm
最大虹吸高度(干抽)max.suction height(dry sucking)	5m
最大输送固体颗粒 max. permitted grain	6mm
最大空气消耗量 max. air consumption	175scfm(4.9m³/min)
空气进口尺寸 air inlet size	1/2in.npt(f)
空气出口尺寸 air outlet size	3/4in.npt(f)
液体进口尺寸 fluid inlet size	2 in.npt(f)bsp(f)
液体出口尺寸 fluid outlet size	2 in.npt(f)bsp(f)
重量 weight	聚丙烯泵 PP pump 28.0kg



PP独立球室

法兰PP

零部件明细表 Parts List

序号No.	名称Name.	序号No.	名称Name.	序号No.	名称Name.	序号No.	名称Name.
501(a)	上盖(法兰)	5002	球座	5010	气阀体垫片	5018	不锈钢导气块垫片
502	立柱	5003	球座O型圈	5011	中心轴V型圈	5019	气阀盖垫片
503(a)	下盖(法兰)	5004	外护块	5012	换向针O型圈	5020	换向针套
504	内夹板	5005	四氟膜片	5013	换向针	5021	中心轴套
505	气阀体	5006	橡胶膜片	5014	换向开关	5022	活塞套
506	气阀盖	5007	内护块	5015	活塞	5023	导气开关铝件
507	消声器	5008	护块O型圈	5016	活塞V型圈	5024	导气开关O型圈
5001	阀球	5009	中心轴	5017	不锈钢导气块	5025	导气开关塑料件



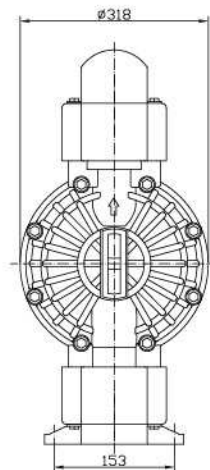
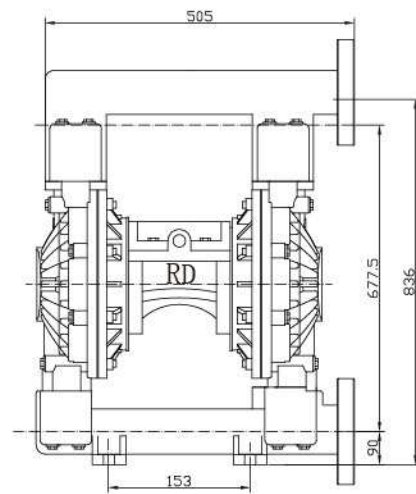
RD50 全新塑料隔膜泵 New Plastic Diaphragm Pump

如迪流体输送设备
Rudi Fluid Conveyor



- 流体压力可达100psi
Fluid pressure, up to 100psi
- 先导式的空气阀, 可在线维修, 并无需打开内腔
Guided air valve can be repaired during work, no need to open the central body.
- 环氧涂层可抵御恶劣的工作环境
The coat can protect from terrible working environment.

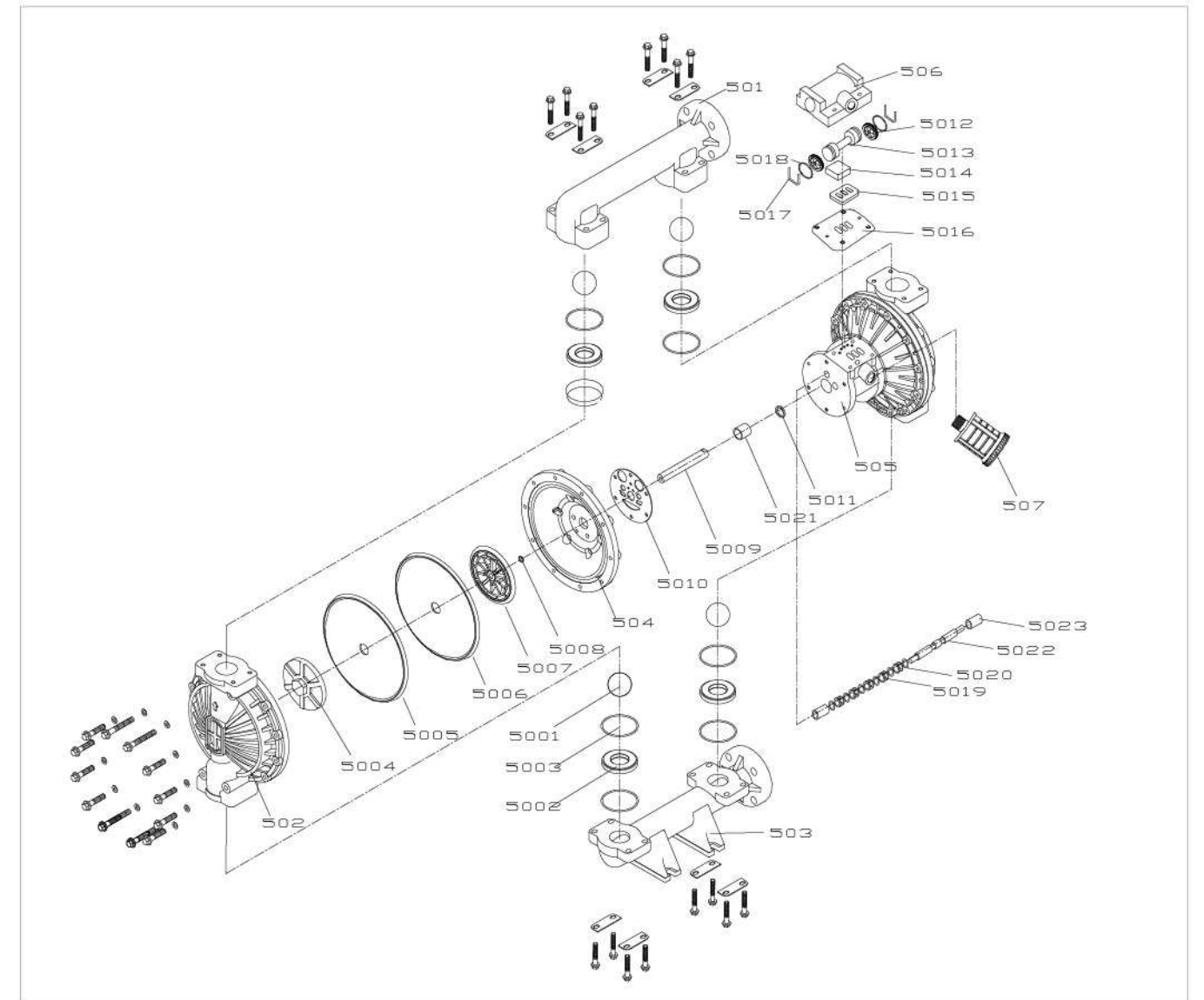
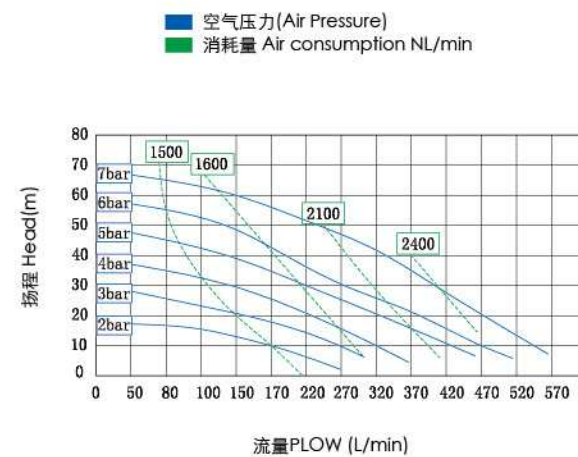
安装尺寸图 Installation Size Map



单位: mm

RD50 操作简单 维修方便 RD50 series easy to operate and repair

最大工作压力 max. working pressure	100psi(0.7Mpa,7bar)
最大流量 max.flow rate	570lpm(34m³/h)
最大往复速度 max. reciprocating speed	145cpm
最大虹吸高度(干抽)max.suction height(dry sucking)	5m
最大输送固体颗粒 max. permitted grain	6mm
最大空气消耗量 max. air consumption	175scfm(4.9m³/min)
空气进口尺寸 air inlet size	1/2in.npt(f)
空气出口尺寸 air outlet size	3/4in.npt(f)
液体进口尺寸 fluid inlet size	2 in.npt(f)bsp(f)
液体出口尺寸 fluid outlet size	2 in.npt(f)bsp(f)
重量 weight	铝合金泵 Aluminum pump 29.0kg 不锈钢泵 Stainless stell pump 47.0kg



零部件明细表 Parts List

序号No.	名称Name	序号No.	名称Name	序号No.	名称Name
501	上盖	5004	外护块	5014	导气开关
502	立柱	5005	四氟膜片	5015	导气块
503	下盖	5006	橡胶膜片	5016	气阀体软木垫
504	内夹块	5007	护块O型圈	5017	定制挡圈
505	气阀体	5008	内护块	5018	限位件O型圈
506	气阀盖	5009	中心轴	5019	换向开关
507	消声器	5010	中间体垫片	5020	换向开关O型圈
5001	阀球	5011	中心轴V型圈	5021	中心轴套
5002	球座	5012	活塞限位件	5022	换向针
5003	球座O型圈	5013	活塞	5023	换向针套



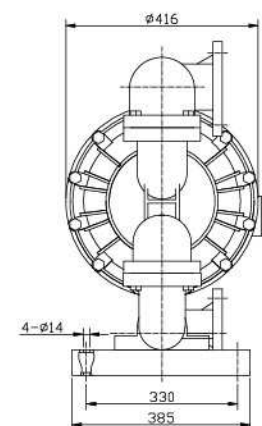
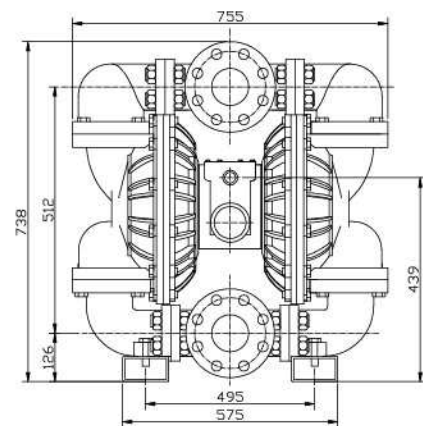
RD80 塑料泵 Plastic Pump (PP Acetal PVDF)

如迪流体输送设备
Rudi Fluid Conveyor



更大的流体通道, 更大的流量(可达1000l/min)
Bigger flow rate, up to 100l/min
先导式的空气阀, 可在线维修, 并无需打开内腔
Guided air valve can be repaired during work, no need to open the central body.
环氧涂层可抵御恶劣的工作环境
The coat can protect from terrible working environment.

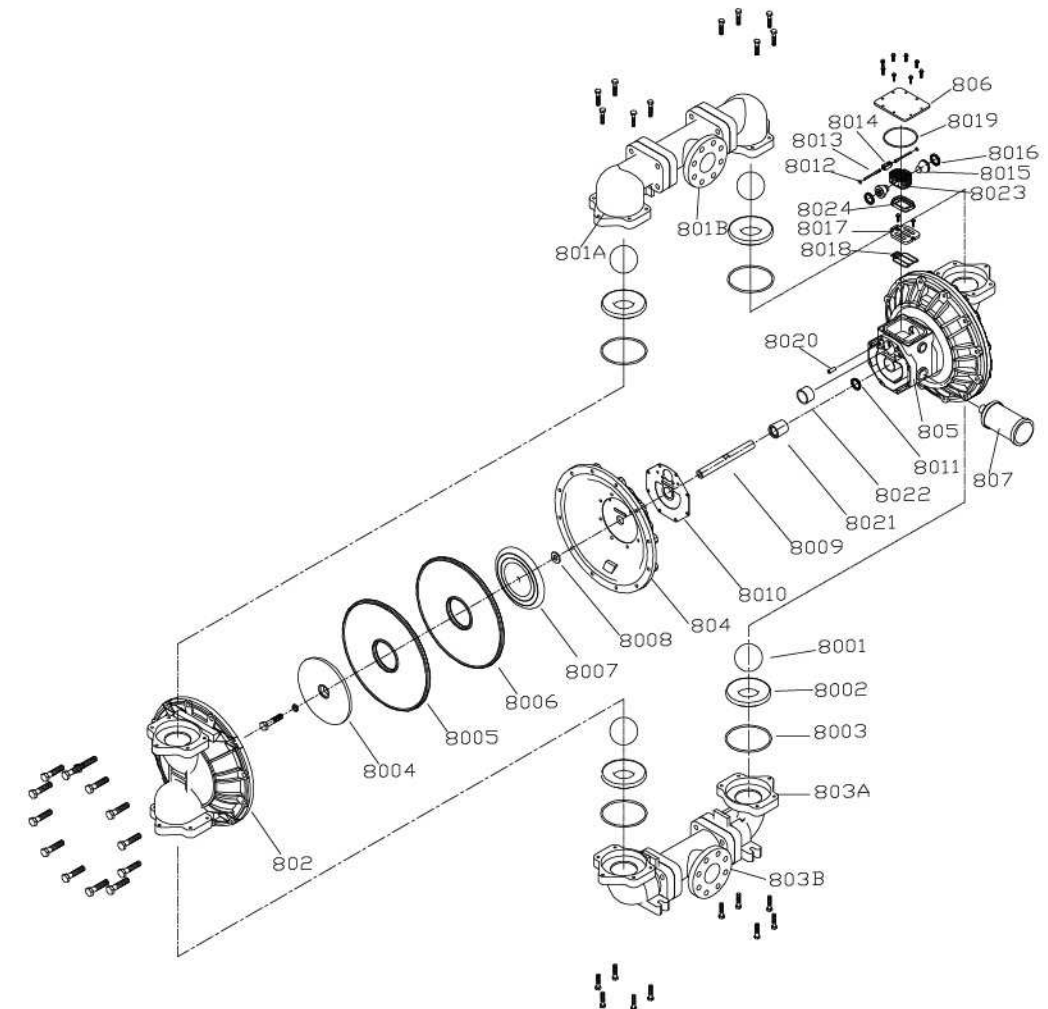
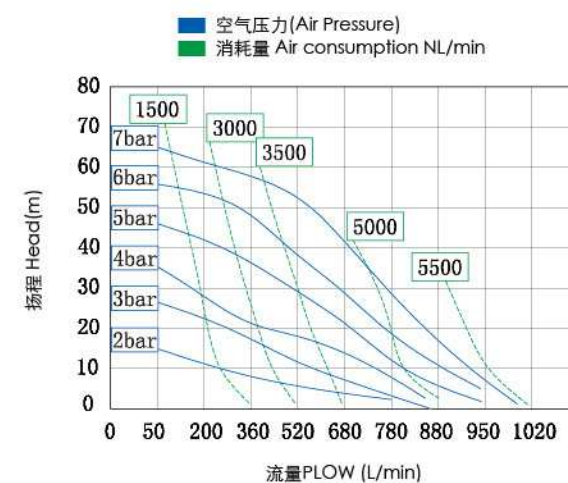
安装尺寸图 Installation Size Map



单位: mm

RD80 泵体法兰连接 绝无液体渗漏
RD80 flange connection, no fluid leaks

最大工作压力 max. working pressure	100psi(0.7Mpa,7bar)
最大流量 max.flow rate	1020lpm(60m³/h)
最大往复速度 max. reciprocating speed	135cpm
最大虹吸高度(干抽)max.suction height(dry sucking)	5m
最大输送固体颗粒 max. permitted grain	10mm
最大空气消耗量 max. air consumption	325scfm(9.1m³/min)
空气进口尺寸 air inlet size	3/4in.npt(f)
空气出口尺寸 air outlet size	1in.npt(f)
液体进口尺寸 fluid inlet size	3 in.法兰(GB)
液体出口尺寸 fluid outlet size	3 in.法兰(GB)
重量 weight	聚丙烯泵 PP pump 66.0kg



零部件明细表 Parts List

序号No.	名称Name.	序号No.	名称Name.	序号No.	名称Name.	序号No.	名称Name.
801A	上盖弯头	8001	阀球	8010	气阀体垫片	8019	气阀盖垫片
801B	上盖三通	8002	球座	8011	中心轴V型圈	8020	换向针套
802	立柱	8003	球座O型圈	8012	换向针O型圈	8021	中心轴套
803A	下盖弯头	8004	外护块	8013	换向针	8022	活塞套
803B	下盖三通	8005	四氟膜片	8014	换向开关	8023	导气开关铝件
804	内夹板	8006	橡胶膜片	8015	活塞	8024	导气开关塑料件
805	气阀体	8007	内护块	8016	活塞V型圈		
806	气阀盖	8008	护块O型圈	8017	不锈钢导气块		
807	消声器	8009	中心轴	8018	不锈钢导气块垫片		



RD80 金属泵 Metal Pump

如迪流体输送设备
Rudi Fluid Conveyor



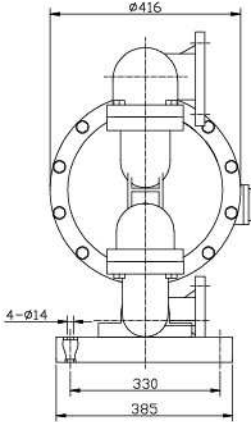
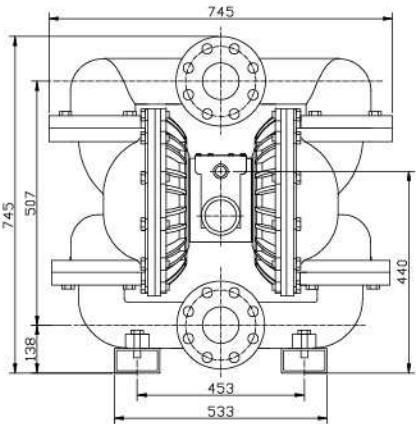
不锈钢



铝合金

- 更大的流体通道，更大的流量(可达1000l/min)
- Bigger flow rate, up to 100l/min
- 先导式的空气阀，可在线维修，并无需打开内腔
- Guided air avlve can be repaired during work, no need to open the central body.
- 环氧涂层可抵御恶劣的工作环境
- The coat can protcat from terrible working environment.

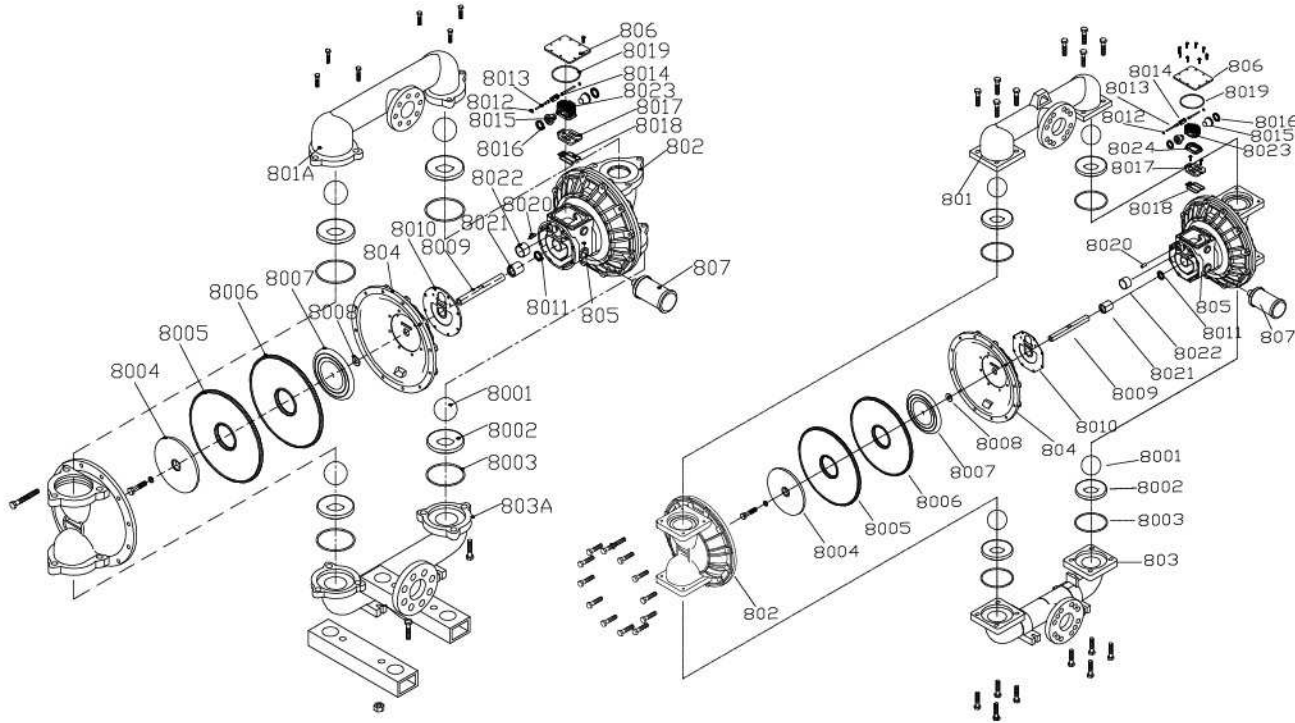
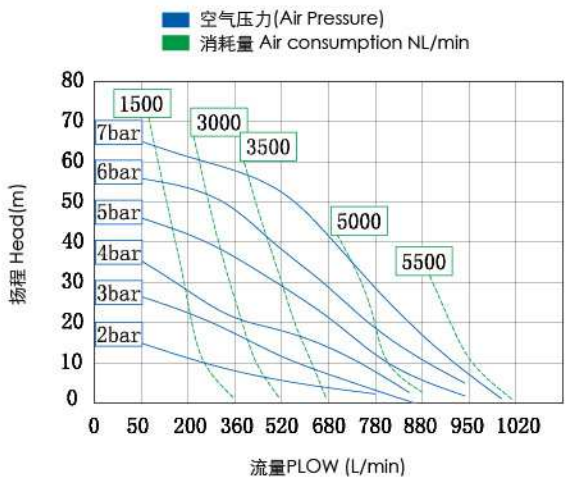
安装尺寸图 Installation Size Map



单位: mm

RD80 泵体法兰连接 绝无液体渗漏 RD80 flange connection, no fluid leaks

最大工作压力 max. working pressure	100psi(0.7Mpa,7bar)
最大流量 max.flow rate	1020lpm(60m³/h)
最大往复速度 max. reciprocating speed	135cpm
最大虹吸高度(干抽)max.suction height(dry sucking)	5m
最大输送固体颗粒 max. permitted grain	10mm
最大空气消耗量 max. air consumption	325scfm(9.1m³/min)
空气进口尺寸 air inlet size	3/4in.npt(f)
空气出口尺寸 air outlet size	1in.npt(f)
液体进口尺寸 fluid inlet size	3 in.法兰(GB)
液体出口尺寸 fluid outlet size	3 in.法兰(GB)
重量 weight	不锈钢 Stainless steel pump



零部件明细表 Parts List

序号No.	名称Name.	序号No.	名称Name.	序号No.	名称Name.	序号No.	名称Name.
801A	上盖弯头	8001	阀球	8010	气阀体垫片	8019	气阀盖垫片
801B	上盖三通	8002	球座	8011	中心轴V型圈	8020	换向针套
802	立柱	8003	球座O型圈	8012	换向针O型圈	8021	中心轴套
803A	下盖弯头	8004	外护块	8013	换向针	8022	活塞套
803B	下盖三通	8005	四氟膜片	8014	换向开关	8023	导气开关铝件
804	内夹板	8006	橡胶膜片	8015	活塞	8024	导气开关塑料件
805	气阀体	8007	内护块	8016	活塞V型圈		
806	气阀盖	8008	护块O型圈	8017	不锈钢导气块		
807	消声器	8009	中心轴	8018	不锈钢导气块垫片		



RDD如迪电动隔膜泵优势所在 Advantages of RDD electric diaphragm pump

本公司生产的RDD系列电动隔膜泵是一种新型的容积式泵类。对各种液态介质及还有颗粒的液态介质进行泵送的输送设备。该泵适用于低压场合，即出口压力 $\leq 3.5\sim 5\text{Kgf/cm}^2$ 。以适应客户要求现场要求，取得了满意的效果。

The RDD electric diaphragm pump is a new displacement pump. it can deal with various liquid mediums and liquid mediums with particles. it is suitable for low pressure situation, namely outlet pressure is no more than $3.5\sim 5\text{ KGF/cm}^2$. it can meet customers' requirement and gain satisfactory results.

RDD电动隔膜泵性能特点 Performance characteristics of RDD electric diaphragm pump

- RDD系列电动隔膜泵动力部分采用齿轮减速电机。该齿轮减速电机是由Y2系列电动机，斜齿轮组成的新颖减速传动装置组成。齿轮采用高耐磨优质合金材料并经特种热处理及精密加工，具有结构紧凑、体积小、承过载能力强、能耗低、振动小、噪声小。
- RDD系列电动隔膜泵可配成防爆型电动机、普通型电动机、变频电动机等，以适应各种使用环境
- RDD系列电动隔膜泵传动采用偏心轴承方式，传动简单可靠，运行平稳。
- RDD系列电动隔膜泵的泵体与隔膜材料是可选择的，根据各种使用环境配套使用，以达到最佳组合，最大收益，最好效果。
- RDD系列电动隔膜泵能输送液体介质和轻质粉剂，又能输送含有一定杂质的混合液体。运行可靠。
- RDD系列电动隔膜泵是种容积式泵类，可配置变频调速实现流量控制。
- The pump adopts gear reduction motor partly.the motor is a new drive consisted of motor of Y2 series and helical gear.Gear using high wear resistant alloy material with high quality,through special heat treatment and confidential processing,it has compact structure, small volume,strong ability of overload,low energy consumption, small vibration and light noise.
- The pump can match into explosion-proof motor,normal motor and frequency conversion motor,it can suitable for various use environment.
- Using eccentric bearing way to assure easy and stable operation.
- Optional body material and diaphragm lead to the best combination,maximum gain and best effect.
- It can transfer liquid medium and light powder,and also can transfer mixed liquid with a certain impurities.
- It is a displacement pump,can be equipped with frequency motor to control flow.

RDD电动隔膜泵工作原理方框图 Working principle diagram of RDD electric diaphragm pump



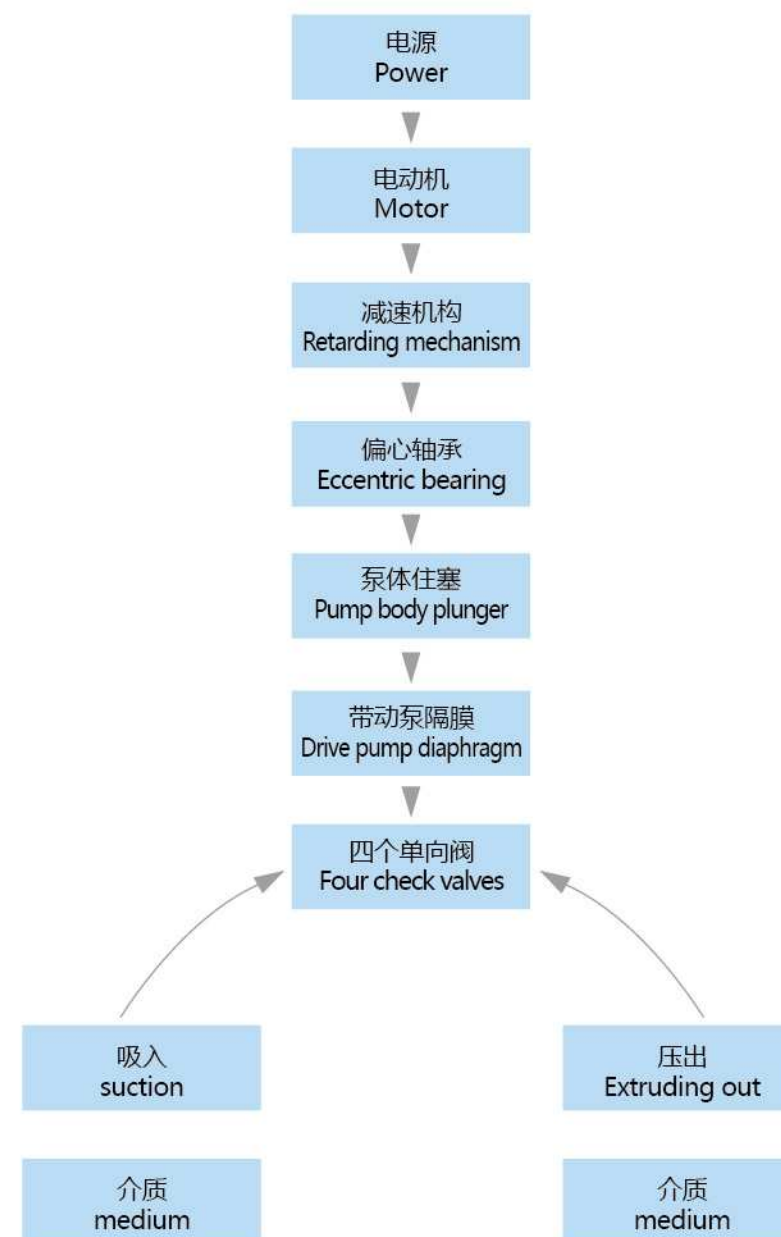
RDD25



RDD40



RDD50



电动机带动减速机构通过偏心轴承传动泵体柱塞作往复运动，从而带动隔膜，在左右二个泵体的上下，装有4只单向球阀，在隔膜的往复运动中，造成工作腔内的容积变化，迫使4个单向球阀自动的交替关闭与开启，从而将介质（液体）不断地吸入和压出。

Motors drive retarding mechanism to do reciprocating motion by eccentric bearing,thus promoting the diaphragm.there are four check ball valves around the pump body.The reciprocating movement of the diaphragm causes volume change,forcing four valves to open and close automatic,which assure constant extruding and suction of medium(liquid).



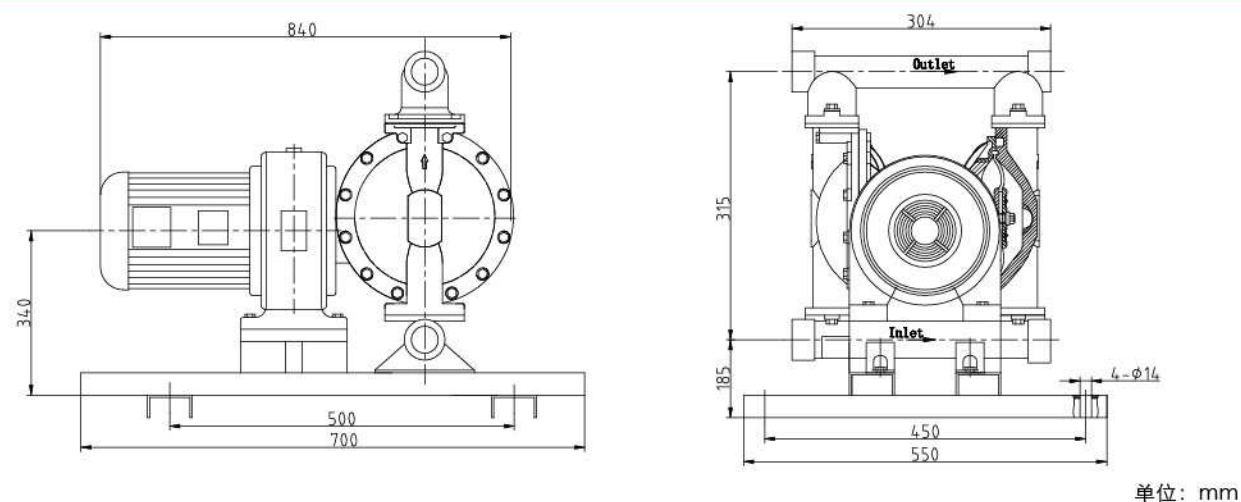
RDD25 不锈钢电动隔膜泵 Stainless steel electric diaphragm pump

如迪流体输送设备
Rudi Fluid Conveyor



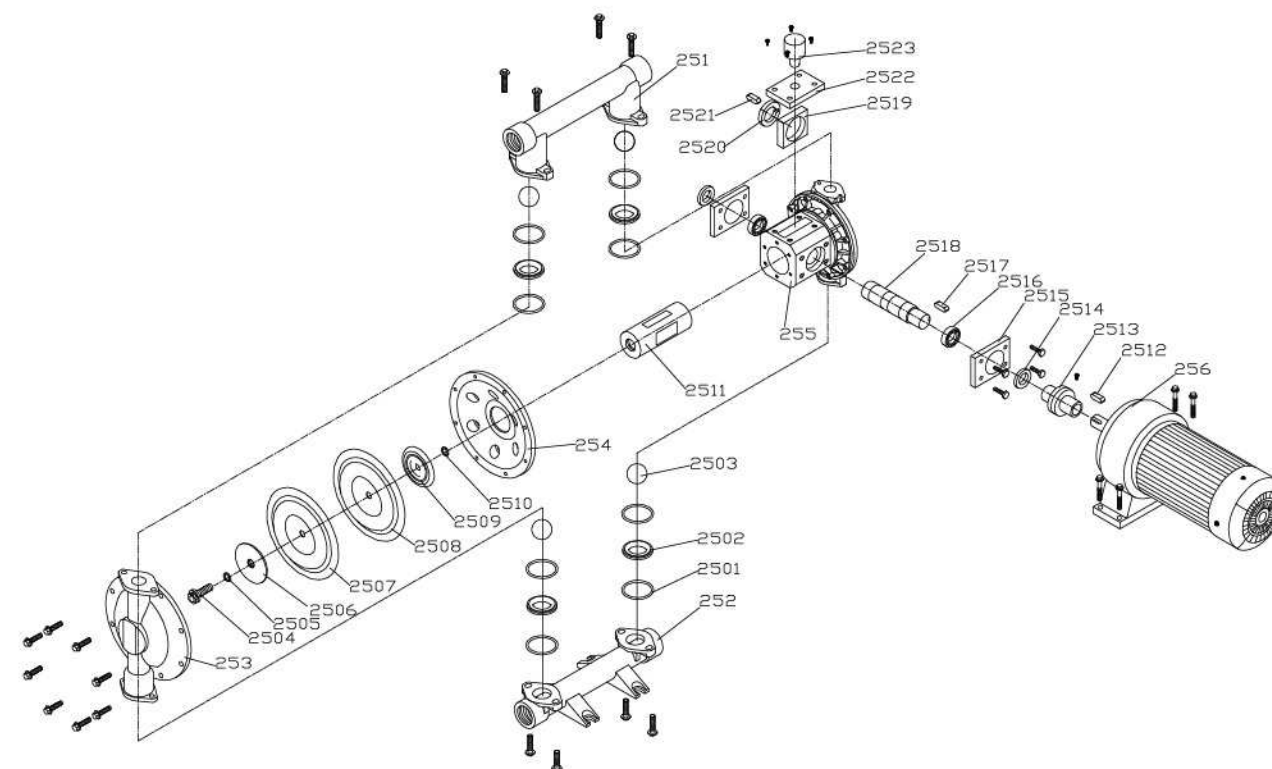
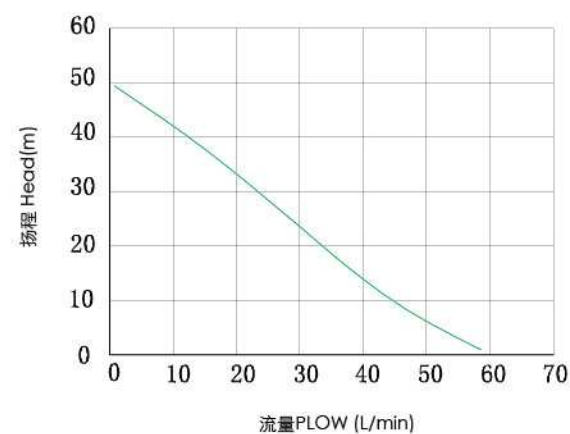
- 热传导速度快Heat conduction speed
- 效率高High efficiency
- 节省能源To save energy
- 无噪声No noise
- 结构紧凑Compact structure
- 体积小Small in size

安装尺寸图 Installation Size Map



RDD25 电动隔膜泵参数

流体进口尺寸 fluid inlet size	1 in.npt(f) 1 in.bsp(f)
最大工作压力 max. working pressure	0.5Mpa (5bar)
最大流量 max.flow rate	58lpm(3.5m³/h)
最大虹吸高度 max.suction height(dry sucking)	3.5m
最大输送固体颗粒 max. permitted grain	4mm
电机功率 motopower	1.5KW
连接方式 connection type	内螺纹(npt)/法兰(GB)
泵体材质 body materia	304、316



零部件明细表 Parts List

序号No.	名称Name.	序号No.	名称Name.	序号No.	名称Name.	序号No.	名称Name.
251	上盖	2503	球	2511	中心轴	2519	滑块
252	下盖	2504	中心轴螺栓	2512	定位销	2520	滑转块
253	立柱	2505	外护块O型圈	2513	联轴器	2524	定位销
254	内夹板	2506	外护块	2514	油封	2522	盖板
255	中心体	2507	外膜块	2515	挡板	2523	油杯
256	电机	2508	内膜块	2516	轴承		
2501	球座O型圈	2509	内护块	2517	定位销		
2502	球座	2510	内护块O型圈	2518	偏心轴		



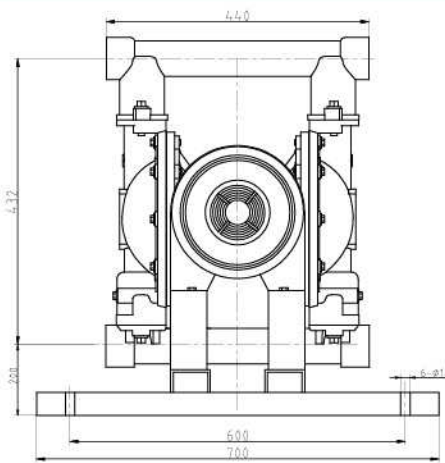
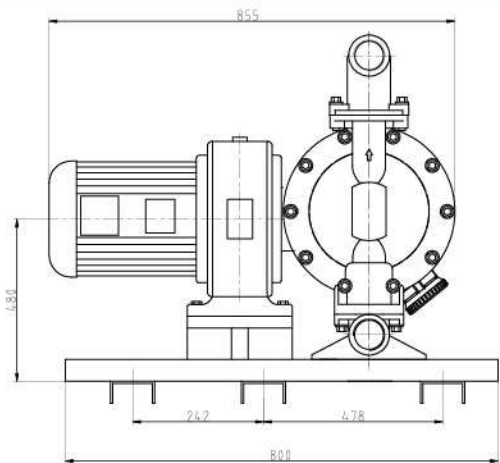
RDD40 不锈钢电动隔膜泵
Stainless steel electric diaphragm pump

如迪流体输送设备
Rudi Fluid Conveyor



- 热传导速度快Heat conduction speed
- 效率高High efficiency
- 节省能源To save energy
- 无噪声No noise
- 结构紧凑Compact structure
- 体积小Small in size

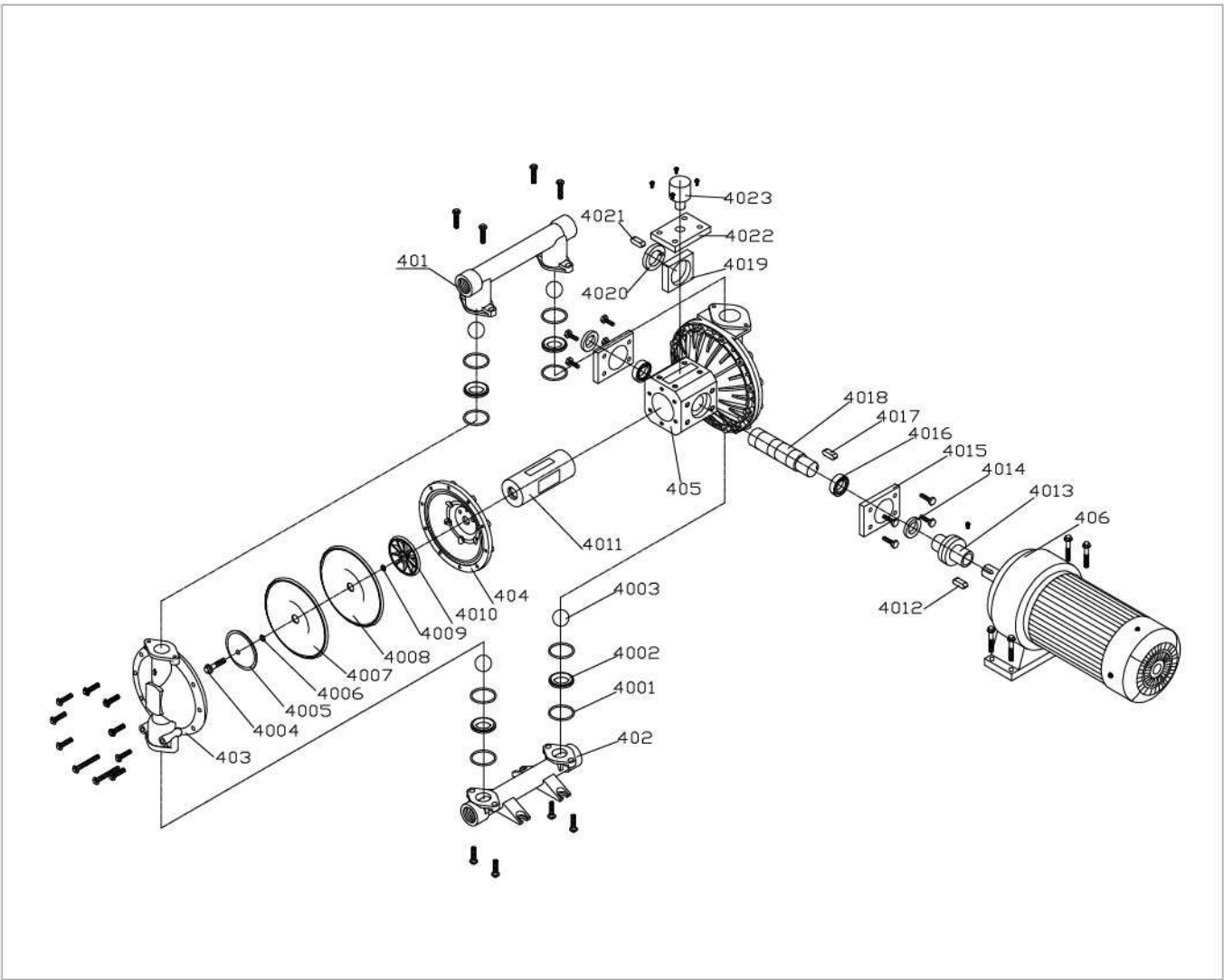
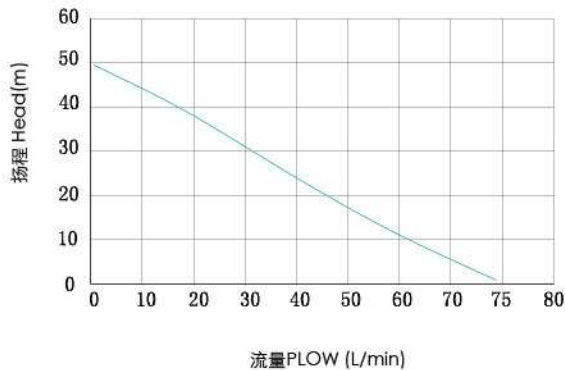
安装尺寸图 Installation Size Map



单位: mm

RDD40 电动隔膜泵参数

流体进口尺寸 fluid inlet size	1-1/2 in.npt(f) 1-1/2 in.bsp(f)
最大工作压力 max. working pressure	0.5Mpa (5bar)
最大流量 max.flow rate	75lpm(4.5m³/h)
最大虹吸高度 max.suction height(dry sucking)	4.0m
最大输送固体颗粒 max. permitted grain	5.0mm
电机功率 motopower	2.2KW
连接方式 connection type	内螺纹(npt)/法兰(GB)
泵体材质 body materia	304、316



零部件明细表 Parts List

序号No.	名称Name.	序号No.	名称Name.	序号No.	名称Name.	序号No.	名称Name.
401	上盖	4003	球	4011	中心轴	4019	滑块
402	下盖	4004	中心轴螺栓	4012	定位销	4020	滑转块
403	立柱	4005	外护块	4013	联轴器	4021	定位销
404	内夹板	4006	外护块O型圈	4014	油封	4022	盖板
405	中心体	4007	外膜块	4015	挡板	4023	油杯
406	电机	4008	内膜块	4016	轴承		
4001	球座O型圈	4008	内护块O型圈	4017	定位销		
4002	球座	4010	内护块	4018	偏心轴		



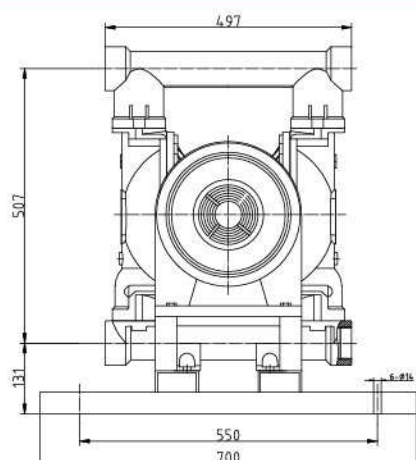
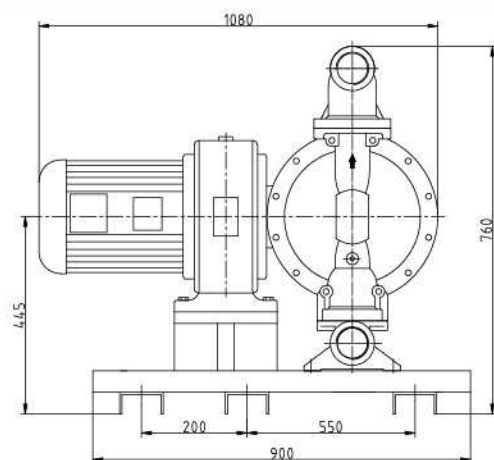
RDD50 不锈钢电动隔膜泵 Stainless steel electric diaphragm pump

如迪流体输送设备
Rudi Fluid Conveyor



- 热传导速度快Heat conduction speed
- 效率高High efficiency
- 节省能源To save energy
- 无噪声No noise
- 结构紧凑Compact structure
- 体积小Small in size

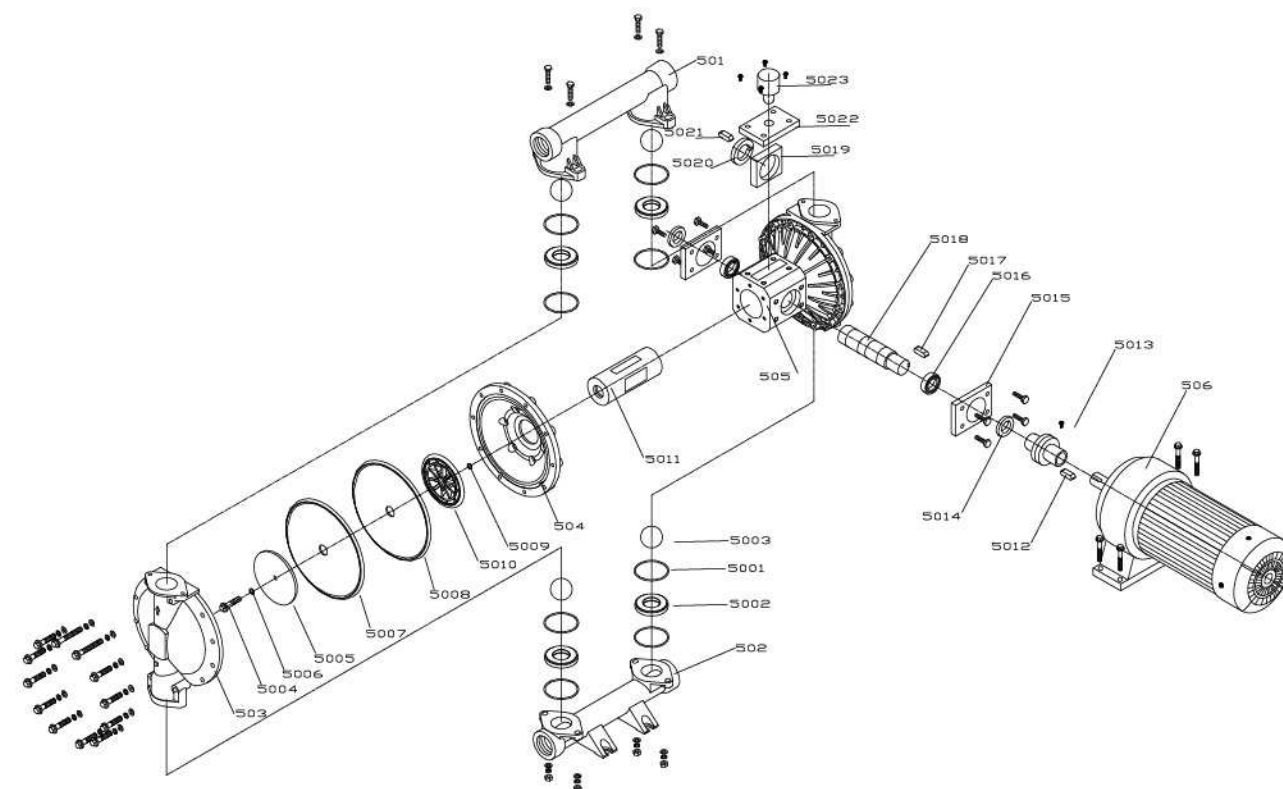
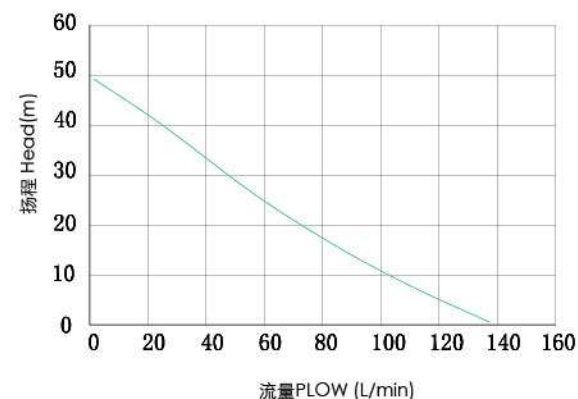
安装尺寸图 Installation Size Map



单位: mm

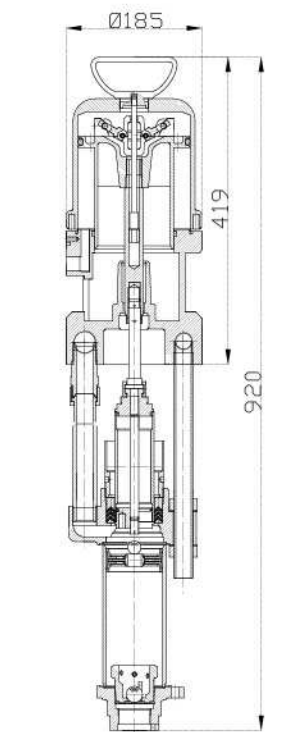
RDD50 电动隔膜泵参数

流体进口尺寸 fluid inlet size	2 in.npt(f) 2 in.bsp(f)
最大工作压力 max. working pressure	0.5Mpa (5bar)
最大流量 max.flow rate	133lpm(8m³/h)
最大虹吸高度 max.suction height(dry sucking)	4.0m
最大输送固体颗粒 max. permitted grain	6.0mm
电机功率 motopower	2.2KW
连接方式 connection type	内螺纹(npt)/法兰(GB)
泵体材质 body materia	304、316



零部件明细表 Parts List

序号No.	名称Name.	序号No.	名称Name.	序号No.	名称Name.	序号No.	名称Name.
501	上盖	5003	球	5011	中心轴	5019	滑块
502	下盖	5004	中心轴螺栓	5012	定位销	5020	滑转块
503	立柱	5005	外护块	5013	联轴器	5021	定位销
504	内夹板	5006	外护块O型圈	5014	油封	5022	盖板
505	中心体	5007	外膜块	5015	挡板	5023	油杯
506	电机	5008	内膜块	5016	轴承		
5001	球座O型圈	5008	内护块O型圈	5017	定位销		
5002	球座	5010	内护块	5018	偏心轴		

外观尺寸图
Appearance size drawing

产品用途

在油漆、胶水、涂料、聚氨酯涂层、汽车喷涂、建筑喷涂、油体输送、化工、食品、医药等行业广泛应用。非常适合于黏稠性液体、腐蚀性液体、含有固体颗粒或气体气泡的液体输送。多种材质，适应面广，安装简易，维修方便。

Product use

in the paint glue, coating, polyurethane coating, automotive coating, building coating, oil transportation, chemical, food, pharmaceutical and other industries widely used. Is very suitable for viscous liquid, corrosive liquid, liquid containing solid particles or gas bubbles. A variety of materials, adaptation of wide, simple installation, easy maintenance.

产品优势

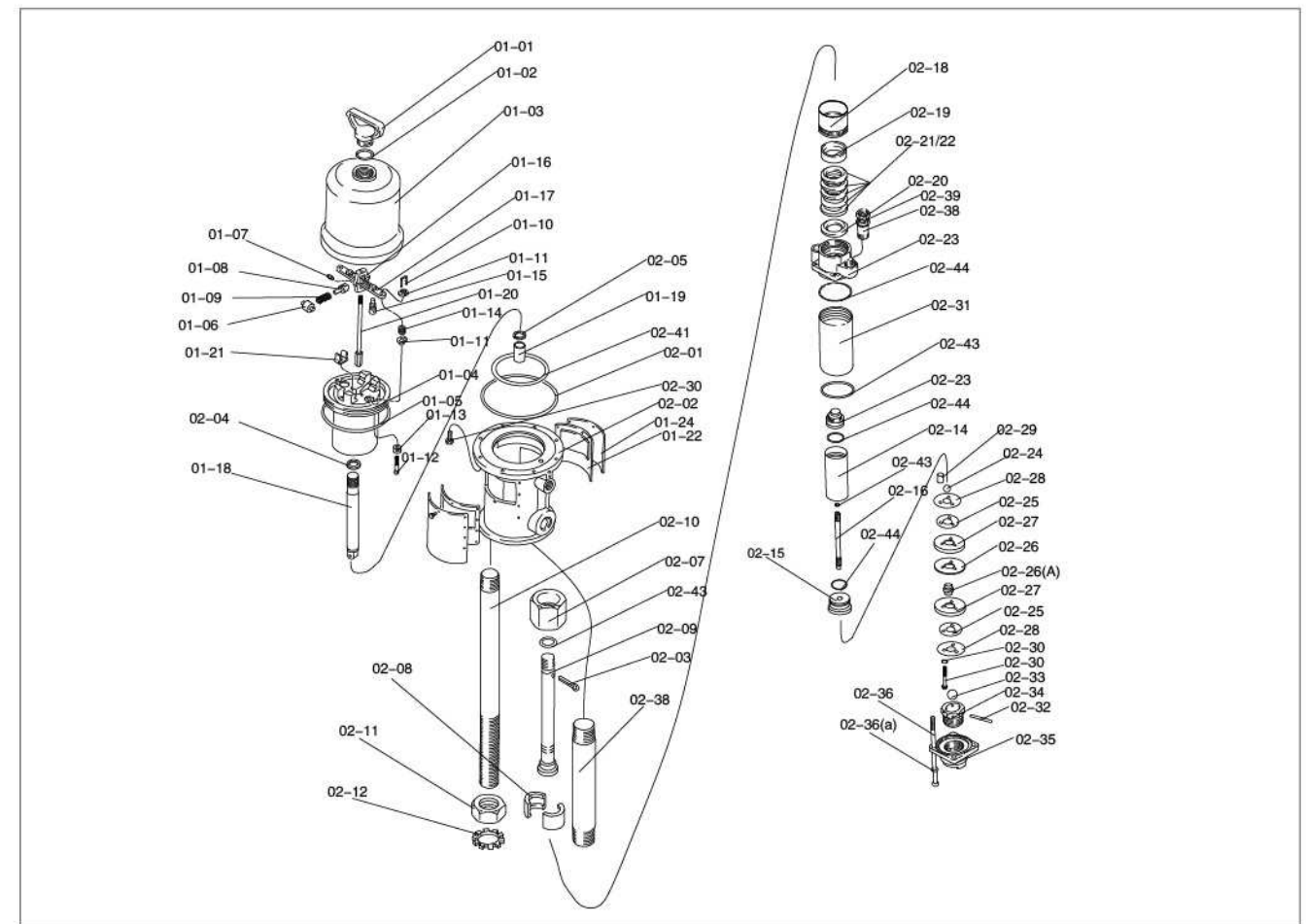
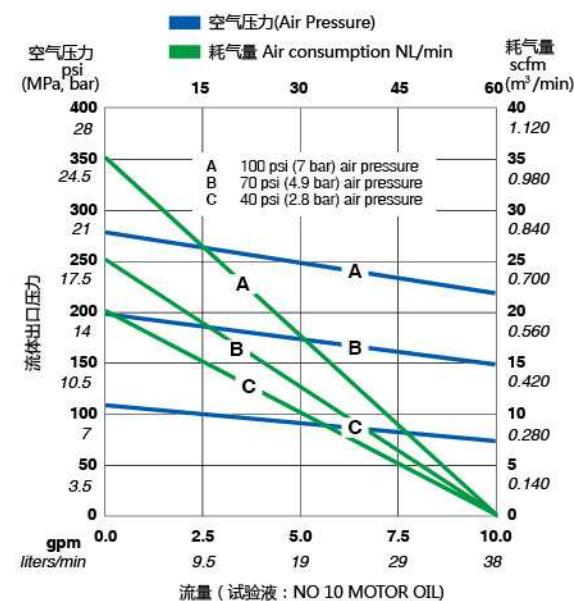
- 1、不锈钢表面经过紧密的抛光和表面处理，在不损害物料化学性质的同时增加了物料输送的速度。
- 2、可处理多种高粘度流体，较强的耐腐蚀性。
- 3、维修部件少，真正意义上减少维修成本
- 4、极高的机械寿命

Product advantages

1. after close of polishing and surface treatment of stainless steel surface, without damaging the material chemical properties at the same time increase the speed of material transfer.
2. can handle a variety of high viscosity fluid, strong corrosion resistance.
3. less maintenance parts, in the true sense to reduce the maintenance cost
4. high mechanical life.

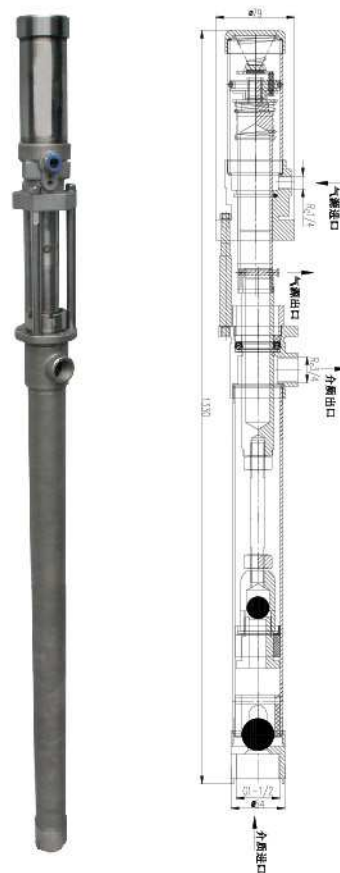
技术规格Technical Specifications

最大工作压力 max. working pressure	100psi(0.7Mpa,7bar)
流量 max.flow rate	18gpm(68/lpm)
虹吸高度 max.suction height(dry sucking)	6m
固体输送颗粒 max. permitted grain	3.0mm
流体出口尺寸 fluid outlet size	1 in I npt(f)/bsp(f)
流体进口尺寸 fluid inlet size	1-1/2in I npt(f)/bsp(f)
空气消耗量 max. air consumption	34scfm(0.817m3/min)
空气进口尺寸 air inlet size	1/2 in.mpt(f)/bsp(f)
连接方式 connection type	内螺纹(npt)/法兰(GB)
泵体材质 body materia	304、316
输送流体比例 conveying fluid ratio	4:1



零部件明细表 Parts List

序号No.	名称Name	序号No.	名称Name	序号No.	名称Name	序号No.	名称Name
01-01	手柄	01-20	行程杆	02-08	开口环	02-27	活塞密封件
01-02	手柄o型圈	01-21	固定架	02-09	连接杆	02-28	聚四氟乙烯
01-03	气缸套	01-22	消声器 (一)	02-10	调节杆	02-29	螺栓套
01-04	气缸活塞	01-23	消声器 (二)	02-11	调节螺母	02-30	螺栓
01-05	活塞密封圈	01-24	标牌 (一)	02-12	外齿锁紧垫圈	02-31	外活塞套
01-06	万向轴	01-25	标牌 (二)	02-13	连接上堵座	02-32	挡球棒
01-07	圆柱销	01-26	固定垫圈	02-14	内活塞管	02-33	大球
01-08	切换杆	01-27	调节螺栓	02-15	下堵座	02-34	球室
01-09	弹簧	01-28	调节螺母	02-16	M12堵座连杆	02-35	底座
01-10	保险钢丝	01-29	连接定位片	02-17	内活塞密封圈	02-36	螺栓
01-11	调整螺母	01-30	方向定位圈	02-18	填料压管	02-37	并紧螺母
01-12	调节螺钉	01-31	固定挡板	02-19	上填料	02-38	支撑连接杆
01-13	防震垫	02-01	气缸方形密封圈	02-20	下填料	02-39	支撑连接杆接管
01-14	调整螺母胶垫	02-02	气缸	02-21	聚氨酯填料	02-40	垫片
01-15	制动器胶垫	02-03	开口销	02-22	丁腈填料	02-41	气缸115 o型圈
01-16	支撑铰框	02-04	包铁型油封	02-23	流体腔连接座	02-42	带边螺栓
01-17	制动器杠杆	02-05	轴用挡圈	02-24	小球	02-43	堵座连杆 o型圈
01-18	活塞连接杆	02-06	堵头	02-25	垫板	02-44	活塞套上下垫
01-19	铜套	02-07	开口环螺套	02-26	中间垫板	02-45	底座护套

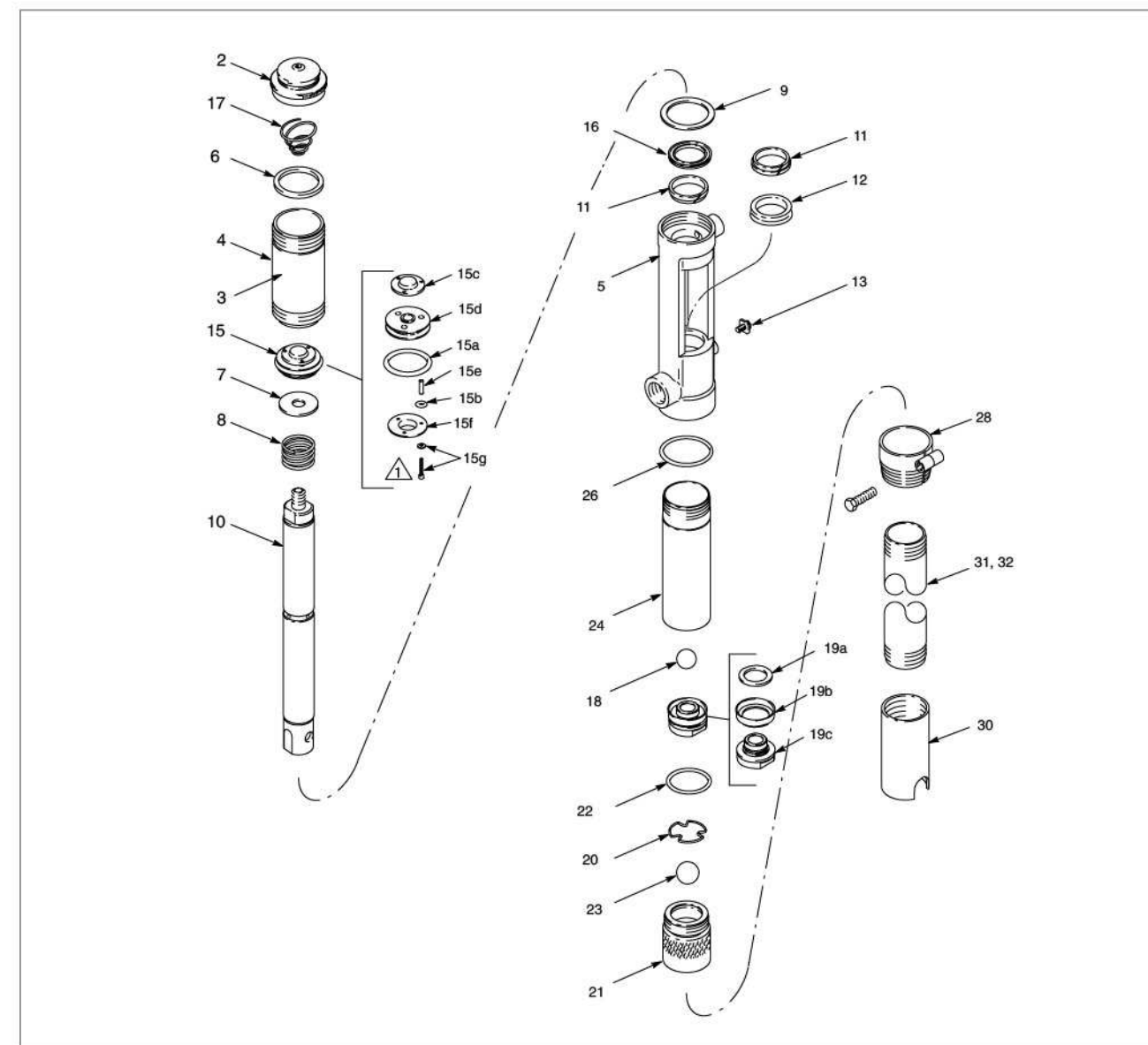
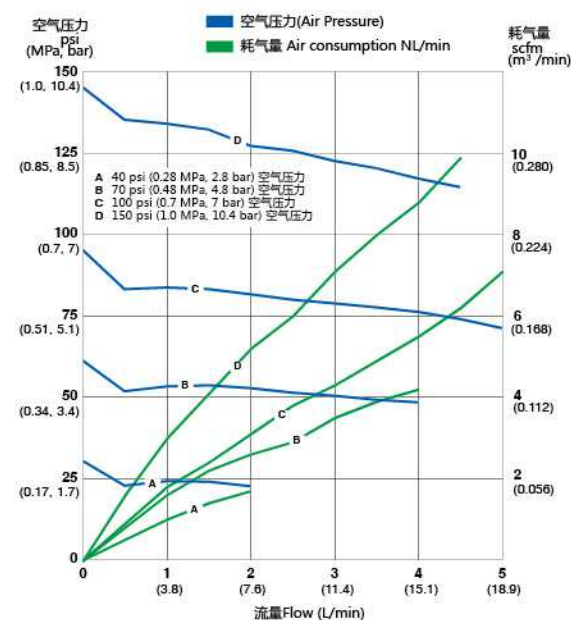


1. 能输送超高黏度，高黏度的流体，输送黏度可达20000厘泊。
2. 能提供多种型式的气动马达与多样材质的柱塞泵来组合成高压泵，以满足不同流量范围，不同压力范围的需求。
3. 泵材质为304（316），密封材质均为聚四氟乙烯和高分子聚合物。
4. 控制压缩空气流量的大小或控制出口阀门流量大小，就可以任意调整泵的出口流量。
5. 当泵出口端阻塞或关闭时，泵会因压力平衡而自动停止，不浪费能源。
6. 采用高品质的气动马达、长效性迫紧密封与新型式的机构设计，能延长泵的使用寿命，减少故障发生，提高生产效率，降低操作成本。
7. 耐腐蚀、耐高温、防爆。RV气动柱塞泵的应用场合包括石化、印刷、涂料、纺织、化工、食品等。

1. Dealt with a 20000 centipoise fluid viscosity.
2. Various motors can be matched with the pumps of different materials, to meet different flow range and pressure range.
3. Body material is 304(316), seal materials are teflon and high molecular polymer.
4. Adjust pump outlet flow by controlling compressed air flow or valve flow.
5. Automatically stop when the pump outlet obstruction or closing, avoiding the waste.
6. Using high quality pneumatic motor, long-term forced tight gap seal and new type of mechanism design, can prolong the life of pump, reduce fault occurs, improve production efficiency, reduce operating costs, etc.
7. Corrosion resistant, high temperature resistant and explosion-proof. Applications including petrochemical, printing, paint, textile, chemical industry, food, etc.

技术规格 Technical Specifications

最大工作压力 max. working pressure	100psi(0.7Mpa, 7bar)
流量 max. flow rate	12gpm(45.5/lpm)
虹吸高度 max. suction height(dry sucking)	5m
固体输送颗粒 max. permitted grain	2.5mm
流体出口尺寸 fluid outlet size	3/4in I npt(f)/bsp(f)
流体进口尺寸 fluid inlet size	1-1/2in I npt(f)/bsp(f)
空气消耗量 max. air consumption	28scfm(0.672m ³ /min)
空气进口尺寸 air inlet size	1/4in.mpt(f)/bsp(f)
连接方式 connection type	内螺纹(npt)/法兰(GB)
泵体材质 body materia	304、316
输送流体比例 conveying fluid ratio	1.25:1



零部件明细表 Parts List

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	气动马达	10	活塞杆	15e	中间销	20	护圈
2	气缸上盖	11	卡环	15f	阀片	21	滚花螺母
3	标牌	12	密封垫	15g	内六角螺栓	22	O型圈3
4	气缸套	13	螺钉	16	密封垫圈	23	球
5	支架	15	活塞组件	17	压迫弹簧	24	缸套
6	垫圈	15a	O型圈1	18	阀球	26	O型圈4
7	阀垫	15b	O型圈2	19a	平垫	28	卡套
8	弹簧	15c	气阀盖	19b	导向套	30	进口管
9	垫圈1	15d	活塞	19c	方螺母	31	延伸管

RD粉尘泵 Powder pump



- 更大的流体通道，更大的流量（可达1000l/min）
Bigger flow rate, up to 1000l/min
- 先导式的空气阀，可在线维修，并无需打开内腔
Guided air valve can be repaired during work, no need to open the central body.
- 环氧涂层可抵御恶劣的工作环境
The coat can protect from terrible working environment.

上海如迪粉尘泵的特点及其注意事项 Application note of Rudi powder pump

如迪粉末泵是一种全新的气动高效轻质粉末输送泵，能更快速，更清洁的输送和处理各种干式工艺制备的粉末；采用完全封闭的输送模式，直接把粉末输送到你的配方法，减少工作环境的粉尘污染；可以方便的随处移动使用式，即放即用，便于安装调试；泵体材质有铝合金、316不锈钢。粉料规程密度必须小于0.8g/cm³而且干燥，小于等于150目，输送距离与颗粒大小和堆积密度有关（二氧化硅45米，面粉12米），密度越大输送距离和流量越小。

Rudi powder pump is a kind of new pneumatic efficient light powder conveying pump, can more quickly, more clean transport and processing all kinds of dry process of the preparation of powder; By adopting a fully enclosed conveying mode, direct powder delivery to your formula place, reduce the working environment of dust pollution; Easy to use is everywhere is mobile, i.e., which put, convenient in installation commissioning; Pump body material of aluminum alloy, and 316 stainless steel.

Powder bulk density must be less than 0.8 g/cm³ and dry, less than or equal to 150 mesh, the transmission distance with the size of particles and the bulk density (silica flour 45 meters, 12 meters), density conveying distance and the smaller the flow.

上海如迪粉尘泵的使用范围 Application of Rudi powder pump

可有效应用于多种干燥粉的输送，如颜料，塑料行业的增塑剂，阻燃剂，丙烯酸树脂，硅树脂等有机粉；精细化工、医药原料及中间体生产行业以及其他的轻质粉末输送。

it's able to effectively applied to a variety of dry powder transmission, such as pigment, plastic industry plasticizer, flame retardant, acrylic resin, silicone resin and so on several powder; Fine chemical, pharmaceutical raw materials and intermediates production industry and other lightweight powder conveying.

RD手动隔膜泵原理 Manual diaphragm pump

手动隔膜泵原理用于低扬程、小流量的提水作业，由泵体、进水管、出水阀门、隔膜和推拉杆等组成。泵体可由一个或两个泵腔组成。具有两个泵腔的隔膜泵，其隔膜设置在泵体的中央，或两个隔膜分别装在分隔的两个泵腔外侧。工作时由两用手操纵与隔膜相连的推拉杆，失去隔膜作压进和张开的往复运动，使两个泵腔的容交替扩大和缩小。当泵腔扩大时，压力减小，进水阀开启出水阀关闭，水从进水管流入泵腔；当泵腔缩小时，压力加大，进水阀关闭，出水阀开启，泵腔内的水从排水管流出，两个泵腔交替吸水 and 排水，每小时可提水10~20吨。



Principle of for used, small flow pumping operations, by the pump body, radiators, and out of the water valve, diaphragm and push-pull rod. Pump body can consist of one or two pump cavity. With two pump chamber diaphragm pumps, the diaphragm is set in the center of the pump, or two diaphragm respectively in separated two pump cavity outside. Work by two people with hand manipulation and diaphragm connected to push the lever, promote the diaphragm for pressure into and spread of reciprocating motion, so that the two pump cavity volume alternating enlarge and reduce. When expanded, the pump chamber pressure inlet valve outlet valve closes, water from pipes into the pump Chamber; when pump out, pressure increases, the water inlet valve closed valve, pump cavity drainage of water from the two pump water and drainage cavity alternating, pumping water 10~20 tons per hour.

RD高压气动隔膜泵 High pressure pneumatic diaphragm pump

高压气动隔膜泵具有结构简单、维修方便、使用安全、体积小、重量轻等许多传统电动泵所没有的优点。高压气动隔膜泵比普通的气动隔膜泵增加了两个工作腔，故此它具备输送能力更强、输送介质更平稳，可满足更大的使用范围。高压气动隔膜泵广泛地应用于油墨、涂料、化工、电镀制造、环保工程、陶瓷、食品、船舶等行业。

traditional electric pump, high pressure pneumatic diaphragm pump has many advantages, such as simple structure, convenient maintenance, safety, small size, light weight, etc. Thanks to the two extra working chambers, high pressure pneumatic diaphragm pump achieves stronger conveying capacity, smoother convey, and can reach a larger scope of usage. High pressure pneumatic diaphragm pump is widely used in printing ink, painting, chemical industry, electroplating, environmental protection projects, ceramics, food, shipbuilding, etc.



- 特别适用于压滤机
- 流量大、压力大
- 密封性能好
- Especially suitable for pressure filter
- High flow rate, pressure is big
- great sealing performance

RD15金属插桶泵的特点 RD15 Metal barrel pump

- 密封系统
- 应用气动隔膜泵
- 极易拆卸、移泵
- 长度可调
- “Easy out seal” 快速插拔
- 大流量15/16gpm
- Easy out seal的设计让泵滑入桶孔接头并保持密封性。
- 无需松开桶孔接头即可拔出泵。
- 移动泵时无需拆空气管和流体腔。
- The length can be adjusted
- “Easy out seal” Quick plug
- 15/16 big flow rate GPM
- Easy out seal design keep pump into the bucket hole connection and stay good sealing
- The pump can be pulled out without the need to loosen the bung hole joint
- Don't need to remove the air tubes and fluid chamber while moving the pump





RD微型隔膜泵 Miniature Diaphragm Pump



RDP-100



RDP-60



RDP-130



RDP-35

产品特点 Product Feature

- 移动和安装方便
- 具有自吸功能
- 内装压力自动开关控制阀
- 介质温度可高达60℃
- 噪音低、耐腐蚀、压力高
- Easily fitted and removed
- Excellent self suction capability
- Pump controlled automatically by built-in pressure switch
- Permissible liquid temperature up to 60℃
- Low noise, Excellent Corrosion Resistance, High Pressure

技术参数 Technical Data

型号 Model	电压 Voltage (VDC)	最大电流 Max.Current (A)	最大流量 Max.Flow G/min(L/min)	转速 SPEED (r/min)	最高压力 Pressure(max) Psi(Mpa)	吸程 Suction (m)	调压开关 Pressure switch psi (Mpa)	输入功率 Power (w)
RDP-130	24	1.2	0.45/(1.7)	470	130(0.90)	5	/	15
RDP-100	24	1.1	0.32(1.2)	375	100(0.68)	5	100(0.68)	10
RDP-60	24	3.0	1.3(5.0)	1200	60 (0.42)	5	60 (0.42)	40
RDP-35	24	4.8	3.2(12)	1300	35(0.24)	5	35(0.42)	40

产品用途 Product Purpose

- 内渗透水质净化系统
- 过滤机
- 喷雾装置
- 工业设备
- 化工计量加液
- 卫生、环保
- 印刷行业
- Perverse Osmosis Water Purification System
- Filter
- Spray Equipment
- General industrial equipment
- Chemical Metering
- Hygienic, Pollution control
- Printing

RD压滤机专用泵 RD Filter Press Pump

RD压滤机专用泵是一种性能特殊的杂质泵。近年来，被业内人士称之为“压滤机专用入料加压泵”。简单的填料密封无泄漏，更重要的是其流量、扬程曲线很陡，非常适合一些特殊的工况。压滤机专用隔膜泵具有结构简单、维修方便、使用安全、体积小、重量轻等许多传统电动泵所没有的优点。高压气动隔膜泵比普通的气动隔膜泵增加了四个工作腔，故此它具备输送能力更强、密封性能更好、输送介质更平稳、回位泄漏量减小，可满足更大的使用范围。高压气动隔膜泵广泛地应用于压滤机、油墨、涂料、化工、电镀制造、环保工程、陶瓷、食品、船舶等行业。

RD filter press pump is a kind of trash pump with special performance. In recent years, it is called "Filter Press Dedicated Feed Pump". No leaks with just simple packing seals. More important is its sharp flow rate curve and head curve is extremely suitable for some special working conditions. Filter press diaphragm pump has many advantages that traditional electric pump doesn't have, such as simple structure, easy maintenance, save operation, small size, light weight, etc. High pressure pneumatic diaphragm pump has four extra working chambers than ordinary pneumatic diaphragm pump. Thanks to the special design, it achieves stronger delivery capability, better sealing property, more stable delivery, less return leakage, which largely extends its range of application. High pressure pneumatic diaphragm pump is widely applied in filter press, oil ink, painting, chemical industry, electroplating manufacturing, environmental protection engineering, ceramic, food, ship building, etc.

RD压滤机专用入料泵特点 Features of RD Filter Press Dedicated Feed Pump


- 水力设计、结构设计先进新颖、效率高、搞磨蚀、运行平稳可靠；
- 前期入料流量大、压力低；
- 后期压榨流量小、压力高；
- 轴密封简单可靠，不注水、不用机械密封、无泄漏；
- 压滤入料不用变频调速，输送浓度高
- Hydraulic design, novel advanced structure design, high efficiency, anti-abrasive, stable and reliable operation
- Large flow rate and low pressure in earlier feeding stage
- Small flow rate and high pressure in later pressing stage
- Simple and reliable shaft sealing, no water injection, no need of mechanical sealing, leak free
- No need of frequency control for filter pressing feeding, high delivery density

计量泵
Metering pump
产品用途：

适用于高压、低压、强（弱）腐蚀性且计量精确度高的场合；如用于石油工业中添加剂的投加以及天然气的开采；化工工业用于投加有比例的化学介质；用于环保上工业水处理的投加泵；用于热电厂的锅炉作净化水处理的加药泵等。

Product use:

Applicable to high voltage, low voltage, strong (weak) corrosion resistance and high precision of measurement occasions; As used in the oil industry in the cast of additives and gas; Chemical industry is used for adding the proportion of chemical medium; The dosing pump used in environmental protection industrial water treatment; Used in thermal power plant boiler water purification process of dosing pumps, etc.


柱塞式计量泵
Plunger type metering pump

流量范围：0.8-1042L/H（单泵头）

压力范围：4.5-95bar

控制方式：手动调节、自动化远程控制(包括4-20mA电流信号、0.21-1.03Bar气压信号)

Flow range: 0.8-1042 l/h (single pump head)

Pressure range: 4.5-95 bar

Control mode: manual adjustment, automatic remote control: including 4-20 ma current signal, 0.21 to 1.03 Bar pressure signal


机械隔膜式计量泵
Mechanical diaphragm metering pump

流量范围：1.3-4000L/H（单头泵）

压力范围：2.5-250bar

控制方式：手动调节、自动化远程控制：包括4-20mA电流信号、0.21-1.03Bar气压信号、或PPROFIBUS通信协议等多种控制方式

Flow range: 1.3-4000 l/h (single head pump)

Pressure range: 2.5-250 bar

Control mode: manual adjustment, automatic remote control: including 4-20 ma current signal, 0.21 to 1.03 Bar pressure signal, or PPROFIBUS communication protocol to control a variety of ways


液压隔膜计量泵
Hydraulic diaphragm metering pump

流量范围：1.5-1068L/H（单头泵）

压力范围：4.7-20bar

控制方式：手动调节、自动化远程控制：包括4-20mA电流信号、0.21-1.03Bar气压信号

Flow range: 1.5-1068 l/h (single head pump)

Pressure range: 4.7-20 bar

Control mode: manual adjustment, automatic remote control: including 4-20 ma current signal, 0.21 to 1.03 Bar pressure signal



RD如迪气动双隔膜常用型号及一般应用 Rudi pneumatic diaphragm pumps models and the general application

常用型号 General modes	浸液部件 Wetted parts	阀座 Valve seat	球阀 Valve ball	隔膜 Diaphragm	一般应用 Common use
RD06 1/4in(6.35mm)出口outlet 最大流量值 Max flow:17 lpm(1.02 m³/h)					
RD06MMMF	Acetal	Acetal	Acetal	PTEE	清洗用溶剂 Cleaning solvent
RD06PPPF	Poly	Poly	Poly	PTEE	清洗用中性流体 Cleaning neutral liquid
RD06KKF	PVDF	PVDF	PVDF	PTEE	高温度高浓度的酸碱：干净的氢氟酸和盐酸 High-temperature, high-concentration acid & alkali, clean FH,HCl
RD10 3/8in(9.25mm)出口outlet 最大流量值 Max flow:26 lpm(1.56 m³/h)					
RD10MMHH	Acetal	Acetal	Hytrel	Hytrel	中等PH值的溶剂和溶活性涂料：水，油等 Medium PH of the solvent and solvent-based paint:water, oil etc.
RD10MMFF	Acetal	Acetal	PTFE	PTFE	低固体颗粒，涂料，染料，清漆 Low solid particles, paint, varnish
RD10PPFF	Poly	Poly	PTFE	PTFE	不含研磨材料-硫酸和硝酸，所有PH值的酸碱类流体 Non abrasive materials-pure H2SO4,HNO3,all acids & alkali liquid
RD10PPPTT	Poly	Poly	Santoprene	Santoprene	在温度和酸性不强的场合替代PFF In the case of normal temperature and acidity it can replace PFF
RD10PPHH	Poly	Poly	Hytrel	Hytrel	适用于水和其他中性无溶剂流体，水性涂料，粘合剂 Apply to water and other neutral fluids, water-based paints, adhesives
RD15 1/2in(12.7mm)出口outlet 最大流量值 Max flow:50lpm(3.0 m³/h)					
RD15MMFF	Acetal	Acetal	PTFE	PTFE	溶剂和溶剂性涂料 Solvent and solvent-based paint
RD15MSFF	Acetal	SST	PTFE	PTFE	可用于强酸强碱的流体，溶剂性涂料 Apply to strong acids & strong alkali,etc and solvent-based paint
RD15PPFF	Poly	Poly	PTFE	PTFE	不含研磨材料-硫酸和硝酸，所有PH值的酸碱类流体 Non abrasive materials-pure H2SO4,HNO3,all acids & alkali liquid
RD15PPTT	Poly	Poly	Santoprene	Santoprene	在温度和酸性不强的场合替代PFF In the case of normal temperature and acidity it can replace PFF
RD15KKFF	PVDF	PVDF	PTFE	PTFE	高温度高浓度的酸碱，磨蚀性和腐蚀性流体 High-temperature, high concentration acid & alkali, corrosive and abrasive fluids

常用型号 General modes	浸液部件 Wetted parts	阀座 Valve seat	球阀 Valve ball	隔膜 Diaphragm	一般应用 Common use
RD15 3/4in(19.0mm)出口outlet 最大流量值 Max flow:50lpm(3.0 m³/h)					
RD20AMFF	AI	Acetal	PTFE	PTFE	溶剂和溶剂性涂料 Solvent and solvent-based paint
RD20AMBB	AI	Acetal	Buna	Buna	清洗用中性流体 Cleaning neutral liquid
RD20ASFF	AI	SST	PTFE	PTFE	可用于强酸强碱的流体，溶剂性涂料 Apply to strong acids & strong alkali,etc and solvent-based paint
RD20SSFF	SST	SST	PTFE	PTFE	可用于强酸强碱的流体，水性涂料 Apply to strong acids & strong alkali,etc and water-based paint
RD20SSSF	SST	SST	SST	PTFE	高粘度，普通酸碱，高固份水性涂料 High-viscosity, common acid & alkali, high-solid water-based paint
RD25 1in(150mm)出口outlet 最大流量值 Max flow:150lpm(9.0m³/h)					
RD25PPFF	Poly	Poly	PTFE	PTFE	不含研磨材料-硫酸和硝酸，所有PH值的酸碱类流体 Non abrasive materials-pure H2SO4,HNO3,all acids & alkali liquid
RD25PPTT	Poly	Poly	Santoprene	Santoprene	在温度和酸性不强的场合替代PFF In the case of normal temperature and acidity it can replace PFF
RD25AHMH	AI	Hytrel	Acetal	Hytrel	适用于中性流体，水，油，挡风玻璃清洗液 Apply to the neutral fluid, water, oil, windshield washing fluid
RD25AGGG	AI	Geolast	Geolast	Geolast	中性PH值的含有研磨材料的石油产品，水性涂料 Neutral PH, petroleum products with abrasive materials, water-based paint
RD25ASFF	AI	SST	PTFE	PTFE	可用于强酸强碱的流体，溶剂性涂料 Apply to strong acids & strong alkali,etc and solvent-based paint
RD25SSFF	SST	SST	PTFE	PTFE	可用于强酸强碱的流体，水性涂料 Apply to strong acids & strong alkali,etc and water-based paint
RD25KKFF	PVDF	PVDF	PTFE	PTFE	高温度高浓度的酸碱，磨蚀性和腐蚀性流体 High-temperature, high concentration acid & alkali, corrosive and abrasive fluids
RD40 1.5in(40.58mm)出口outlet 最大流量值 Max flow:340lpm(20m³/h)					
RD40PPFF	Poly	Poly	PTFE	PTFE	不含研磨材料-硫酸和硝酸，所有PH值的酸碱类流体 Non abrasive materials-pure H2SO4,HNO3,all acids & alkali liquid
RD40PPTT	Poly	Poly	Santoprene	Santoprene	在温度和酸性不强的场合替代PFF In the case of normal temperature and acidity it can replace PFF
RD40AHMH	AI	Hytrel	Acetal	Hytrel	适用于中性流体，水，油，挡风玻璃清洗液 Apply to the neutral fluid, water, oil, windshield washing fluid
RD40SGGG	AI	Geolast	Geolast	Geolast	中性PH值的含有研磨材料的石油产品，水性涂料 Neutral PH, petroleum products with abrasive materials, water-based paint
RD40ASFF	AI	SST	PTFE	PTFE	可用于强酸强碱的流体，溶剂性涂料 Apply to strong acids & strong alkali,etc and solvent-based paint
RD40SSFF	SST	SST	PTFE	PTFE	可用于强酸强碱的流体，水性涂料 Apply to strong acids & strong alkali,etc and water-based paint
RD40KKFF	PVDF	PVDF	PTFE	PTFE	高温度高浓度的酸碱，磨蚀性和腐蚀性流体 High-temperature, high concentration acid & alkali, corrosive and abrasive fluids



常用型号 General modes	浸液部件 Wetted parts	阀座 Valve seat	球阀 Valve ball	隔膜 Diaphragm	一般应用 Common use
RD502in(50.8mm)出口outlet最大流量值 Max flow:570lpm(34m³/h)					
RD50PPFF	Acetal	Acetal	Acetal	PTFE	不含研磨材料-硫酸和硝酸，所有PH值的酸碱类流体 Non abrasive materials-pure H2SO4,HNO3,all acids & alkali liquid
RD50PPTT	Poly	Poly	SantopreNe	SantopreNe	在温度和酸性不强场合替代PFF In the case of mormal temperature and ciditya it can replace PFF
RD50AHMH	AI	Hytrel	Acetal	Hytrel	适用于中性流体，水，油，挡风玻璃清洗液 Apply to the neutral fluid, water, oil, windshield washing fluid
RD50ASFF	AI	SST	PTFE	PTFE	可用于溶剂性涂料 Apply to strong acids & strong alkali,etc and solvent-based paint
RD50AGGG	AI	Geolast	Geolast	Geolast	中性PH值的含有研磨材料的石油产品，水性涂料 Neutral PH, petroleum products with abrasive materials, water-based paint
RD50SSFF	SST	SST	PTFE	PTFE	可用于强酸强碱的流体，溶剂性涂料 Apply to strong acids & strong alkali,etc and solvent-based paint
RD50STTT	SST	Santoprene	Santoprene	Santoprene	可用于强酸强碱的流体，水性涂料 Apply to strong acids & strong alkali,etc and water-based paint
RD50KKFF	PVDF	PVDF	PTFE	PTFE	高温度高尝试的酸碱，磨蚀性和腐蚀性流体 High-temperature, high concentration acid & alkali, corrosive and abrasive fluids
RD803in(76.2mm)出口outlet最大流量值 Max flow:1000 lpm(60m³/h)					
RD80AGGG	AI	Geolast	Geolast	Geolast	中性PH值的含有研磨材料的石油产品，水性涂料 Neutral PH, petroleum products with abrasive materials, water-based paint
RD80AHMS	AI	Hytrel	Acetal	Hytrel	适用于中性流体，水，油，挡风玻璃清洗液 Apply to the neutral fluid, water, oil, windshield washing fluid
RD80ATTT	AI	Santoprene	Santoprene	Santoprene	适用于无溶剂，中等PH值的流体 Apply to non-solvent fluid, the fluid of medium PH
RD80ASFF	AI	SST	SST	SST	PTFE可用于强酸强碱的流体，溶剂性涂料 Apply to strong acids & strong alkali,etc and solvent-based paint

常用型号 General modes	浸液部件 Wetted parts	阀座 Valve seat	球阀 Valve ball	隔膜 Diaphragm	一般应用 Common use
RDXAHMH	AI	Hytrel	Acetal	Hytrel	适合输送水、油、酒精等中性介质 Apply to the neutral fluid, water, oil, windshield washing fluid
RDXASFF	AI	SST	PTFE	PTFE	适合输送较强磨蚀性的溶剂 Apply to strong acids & strong alkali,etc and solvent-based paint
RDXPPFF	Poly	Poly	PTFE	PTFE	适合输送盐酸、硫酸、碱液等强氧化性介质（PTT也可） Non abrasive materials-pure H2SO4,HNO3,all acids & alkali liquid
RDXSSFF	SST	SST	PTFE	PTFE	适合输送浓硫酸、硝酸等强氧化性的介质 Apply to strong acids &strong alkali,etc and water-based paint
RDXKKFF	PVDF	PVDF	PTFE	PTFE	化学适应性最好，适合输送几乎所有的流体 High-temperature, high concentration acid & alkali, corrosive and abrasive fluids
RDXXMFF		Acetal	PTFE	PTFE	低固体的涂料，着色剂和清漆，溶剂（采用AL\SST或导电乙醚的流体腔） Low solid particles, paint, varnish (AI/Groundable Acetal fluid cavity.)
RDXXSSF		SST	SST	SST	适用于普通酸碱，含有研磨材料的亚滤料，磨蚀性的淤泥，矿泥等 High-viscosity, common acid & alkali, high-solid water-based paint
RDXXSFF		SST	PTFE	PTFE	可用于强酸强碱的流体 Apply to strong acids & strong alkali,etc
RDXXMH		Hytrel	Acetal	Acetal	适用于中性流体，水，油，挡风玻璃清洗液 Apply to the neutral fluid, water, oil, windshield washing fluid
RDXXGGG		Geolast	Geolast	Geolast	中性PH值的含有研磨材料的石油产品，地表输送 Neutral PH, petroleum products with abrasive materials, water-based paint and the delivery of surface water
RDXXSTT		SST	Santoprene	Santoprene	普通酸碱，含有研磨材料的皂液，清洗化学品，压滤液，不适用于溶剂 Common acid & alkali, the soap liquid with abrasive materials, cleaning chemicals, pressure filtration, not suitable for solvent.
RDXXPHH		PP	Hytrel	Hytrel	适用于水和其他中性无溶剂流体，水性涂料，粘合剂 Apply to water and other neutral fluids, water-based paints, adhesives
RDXXPFF		PP	PTFE	PTFE	最佳的低成本抗化学品组合，具有广泛的适用性 The best combination of low-cost, anti-chemicals, widely used
RDXXSW		SST	Viton	Viton	无铅汽油和电镀化学液 Unleaded petrol and electroplating chemical solution
RDXXKW		PVDF	Viton	Viton	电镀化学液 Electroplating chemical solution
RDXXKFF		PVDF	PTFE	PTFE	适用于高浓度高温度的酸碱，磨蚀性、腐蚀性的流体 High-temperature, high concentration acid & alkali, corrosive and abrasive fluids

腐蚀性流体与泵的浸湿部件匹配参考表

[illegible]

PP
聚丙烯
 SST
不锈钢
 PVDF
聚偏氟乙烯
 Without this standard
无此标准

腐蚀性流体与泵的浸湿部件匹配参考表

Corrosive fluid parameter & Wetted parts of pump select

	强	不锈钢	聚丙烯	聚酰胺树脂	丁腈橡胶	三元乙丙橡胶	聚硫橡胶	聚四氟乙烯	聚硅氧烷	聚乙炔弹性体
沥青	●	●	●				●			●
基胶	●			●	●		●		●	
乙炔	●							●		
亚麻仁油	●									
丙酮	●	●		●		●			●	
乙醇	●	●	●		●		●		●	
甲醇	●	●	●		●			●		
氨液	●	●	●	●		●				●
亚硫酸溶液	●	●	●			●	●		●	
威士忌酒	●	●	●			●				
乙醚	●	●						●		
乙醇胺	●	●	●	●	●		●		●	
乙醇	●	●	●	●	●		●		●	
乙二醇	●	●	●	●						
液化石油气										
氯化铵	●	●	●			●				●
氯化铵(干)	●			●						
氯化氢气体(干)	●					●	●			
氯化铜(干)	●		●	●	●			●		
氯化乙钠	●	●	●	●	●			●		
氯化钾	●	●	●	●	●	●				
氯化钡	●	●	●	●	●	●				
氯化镁	●	●	●	●	●	●				●
二氯甲烷	●	●	●	●	●					●
氯气	●	●	●	●	●				●	
氯(干)	●	●	●	●	●					
辛烷	●	●			●					
油酸	●	●		●						
汽油(精制)	●	●		●				●		
汽油(粗制)	●	●		●						
过氧化钠	●					●				
果汁	●					●				
过硫酸钠	●	●	●				●			
二甲苯/混合二甲苯	●	●		●		●				
蚊蚊	●	●	●							
挥发油/薄荷	●	●		●		●				
柠檬酸	●	●		●						
脂	●	●		●					●	
焦油	●	●	●	●	●					
乙二醇	●	●	●	●						●
杂酚油	●	●		●						
甲苯基酸	●	●				●				
三氯甲烷(干)	●	●	●			●				
硅酸钠	●	●	●		●				●	
玉米油	●	●	●						●	
醋酸	●	●	●							
醋酸异丙酯	●	●		●						
乙酸异丁酯	●	●								
醋酸乙酯	●	●		●						
醋酸钙	●	●		●						
醋酸丁酯	●	●								
甘蔗砂糖液	●	●	●							
甜菜	●	●	●							
氨	●	●	●	●						
氯化钾	●	●	●	●	●	●	●			●
氯化钠(稀)	●	●	●	●	●	●		●		
环乙烷	●	●	●	●	●					
草酸	●	●	●	●						
硅油	●	●	●	●		●		●		
喷气发动机燃料	●	●	●	●				●		
脂肪胺	●	●	●	●						
油石酸	●	●	●	●				●		
硝酸	●	●	●	●						
硝酸铝	●	●	●	●	●					
硝酸胺	●	●	●	●	●					●
硝酸钾	●	●	●	●	●					●
硝酸钙	●	●	●	●	●					●
硝酸铁	●	●	●	●	●					
硝酸钠	●	●	●	●	●			●		●
硝酸镁	●	●	●	●	●					
熟石灰	●	●	●	●	●					
植物油	●	●	●	●	●					
亚硝酸钙	●	●	●	●	●					
硝酸钾	●	●	●	●	●					
碳酸氢钠	●	●	●	●	●					
硬脂酸	●	●	●	●	●					
硬脂酸丁酯	●	●	●	●	●					
醋	●	●	●	●	●			●		
奈	●	●	●	●	●				●	
氢氧化铵	●	●	●	●	●					
氢氧化钙	●	●	●	●	●					
氢氧化钠	●	●	●	●	●					●
氢氧化钾	●	●	●	●	●					●

	强	不锈钢	聚丙烯	聚酰胺树脂	丁腈橡胶	三元乙丙橡胶	聚硫橡胶	聚四氟乙烯	聚硅氧烷	聚乙炔弹性体
氢氧化镁	●	●	●	●		●	●			
氯	●	●	●	●						
明胶	●	●	●	●	●			●		
碳酸(苯酚)	●	●					●		●	
石油 原油	●	●		●					●	
氟酸	●	●							●	
石灰硫酸										
肥皂水		●	●			●	●			
洗涤剂(合成)		●	●	●	●	●	●		●	●
苏打粉		●			●	●	●		●	
焦油		●			●					
豆油	●	●								
碳酸	●	●		●	●					
碳酸钠	●	●	●			●				
碳酸镁	●	●			●					
硅酸(稀)	●	●	●	●				●		
硫代硫酸钠	●	●	●					●		●
柴油	●	●			●		●			
四氯乙烷	●	●		●	●					
天然气		●							●	
三氯乙烷		●								
甲苯		●		●				●		
煤油	●	●								
精制汽油	●	●	●						●	●
苯	●	●		●				●		●
环烷酸	●	●		●				●		●
(动物)胶		●	●	●				●		
甲酸硝石		●								
硫化依稀(干)	●	●	●		●			●		●
二硫化碳		●								
乳酸		●								
尿素		●		●				●		
四氯乙烷	●	●	●			●		●		●
石蜡		●	●	●				●		
棕榈酸		●						●		
白漆(造纸厂)	●	●		●	●					
蓖麻油		●	●							
苦味酸		●								
啤酒		●						●		
氟利昂	●							●		
丙烷		●		●				●		
丙二醇		●		●				●		
丁烷	●	●		●	●			●		
丁醇	●	●	●			●		●		
丁二烯	●	●	●							●
葡萄糖	●	●		●	●			●		
氯化铝(干)	●	●	●	●	●			●		
乙烷	●	●	●					●		
苯	●	●	●	●	●			●		
挥发油	●	●		●						●
福尔马林		●								
甲醇		●		●			●	●		
硝酸	●	●	●	●				●		
硝酸钠	●	●	●	●				●		●
牛乳		●						●		
明肌		●		●				●		
无水氨	●	●	●	●				●		
醋酸酐	●	●	●		●			●		
苯酚	●	●	●			●		●		
甲醇		●								
甲烷		●								
甲苯		●	●	●	●			●		●
桐子油	●	●		●	●			●		
猪油	●	●								
油漆	●	●	●			●			●	
亚硝酸	●	●						●		
硝酸铵	●	●	●					●		
硝酸钠	●	●	●					●		
硫化钠	●	●		●	●			●		●
硫化钡	●	●		●	●			●		
硫化铝	●	●		●	●			●		●
硫酸铵		●	●	●	●			●		
硫酸钾		●	●	●	●			●		
硫酸钠		●	●	●	●			●		
硫酸镁		●	●	●	●			●		
硫酸锌		●	●	●	●			●		●
硫酸亚铁	●	●	●	●	●			●		
松香		●								
葡萄酒	●	●	●	●				●		
清漆	●	●	●	●				●		●
	●	●						●		
		●						●		



RD隔膜泵维修指南 RD Diaphragm Pump Maintenance Guide

当遇到以下一种或多种情况时，此资料可用作指导。帮助你制定维修措施。

RD气动隔膜泵维修指南

- 一、快速运转频率、流量偏小。
 - 二、泵不能启动、无法正常运转、停机。
 - 三、磨损、泄漏、噪音。
 - 四、运转频率太慢。
 - 五、没有规律得运转、有时能工作、有时不能工作。
- 在泵的使用过程中，这些情况是可能碰到的。每种情况又可分为多种可能的原因，详见RD气动隔膜泵维修指南手册。

RD电动隔膜泵维修指南

- 一、电机正常运转、流量偏小或不吸物料。
 - 二、打开电源泵不能运转。
 - 三、噪音(过载超负荷运转)漏液。
 - 四、零部件损坏。
- 在泵的运行过程中，这些情况是可能碰到的。每种情况又可分为多种可能的原因，详见RD气动隔膜泵维修指南手册。

正确地选用材料至关重要

隔膜片

- 丁晴橡胶隔膜片：适用于油质物料输送、疲劳强度较好。
- 氯丁橡胶隔膜片：适用于略带酸碱性的液体、输送浆液、废水等。
- 氟橡胶隔膜片：适用于酸性、碱性的化学物料、温度偏高等液体。
- 三元乙丙胶膜片：适用于略带酸碱性的液体、耐老化。
- 特氟隆膜片：适用于强酸、强碱等化学物料、与橡胶膜片联合一起使用。
- 聚醚弹性体：良好的磨蚀性，可代替丁腈橡胶，适用于大多数中性流体。
- 三道橡胶：适用于略带酸碱性的流体。

球座

- 聚四氟乙烯球座：适用于强酸、强碱等化学物料。
- 氟橡胶球座：适用于酸碱等液体、密封性能较好、耐油氟橡胶、耐温氟橡胶。
- 氯丁橡胶球座：适用于略带酸性、碱性的液体。
- 丁晴橡胶球座：适用于含有油质的物料输送。

球阀

- 陶瓷球：适用于强酸，强碱。粘度，浓度较高的化学液体，浆料。
- 聚四氟乙烯球：适用于强酸，强碱等流动性较大的化学液体。
- 橡胶球：适用于废水，废油等液体，用户没有要求，一般采用橡胶球。
- 钢球：适用于粘度，浓度较高的浆料，陶瓷泥浆，涂料等。

活塞

- 陶瓷活塞：耐磨，耐温，寿命长。
- 铝活塞：用户没有要求，一般采用经济型。
- 塑料活塞：常温状态，无润滑油。
- 涂层耐磨活塞：新一代耐磨型，实惠型产品。

When you meet with one or more of the following situations, the document can serve as a guide to help you take maintenance measures.

Maintenance Guide of RD Pneumatic Diaphragm Pump

- I . Fast running frequency, low flow.
- II . The pump cannot be started, cannot run or stop normally.
- III . Wear, leakage, noise.
- IV . Too slow running frequency.
- V . Ilar running, sometimes working and sometimes not working During the use of the pump, you may meet with these situations. Each situation can be caused by many reasons.

Please refer to the maintenance guidebook of RD pneumatic diaphragm pump for details.

Maintenance Guide of RD Electric Diaphragm Pump

- I . The motor can run normally, but the flow is low or there is no material suction.
 - II . The pump cannot run after the power supply is switched on.
 - III . Noise (overloaded operation), liquid leakage.
 - IV . Damage of parts.
- During the use of the pump, you may meet with these situations. Each situation can be caused by many reasons.

Please refer to the maintenance guidebook of RD electric diaphragm pump for details.

It Is Of Great Importance To Correctly Use Materials.

Diaphragm

- NBR Diaphragm: Suitable for transporting oily materials, with good fatigue strength.
- Neoprene Rubber Diaphragm: Suitable for slight acid and alkali liquids, conveying slurry, waste water and etc.
- Fluorine Rubber Diaphragm: Suitable for acid and alkali chemical materials and liquids of higher temperature.
- Epdm Diaphragm: Suitable for slight acid and alkali liquids, with aging resistance.
- Teflon Diaphragm: Suitable for strong acid and alkali chemical materials, to be used together with rubber diaphragm.
- Apply to diaphragm: Good anti-abrasion, can replace Buna-N, apply to the majority of the neutral
- Sanitprene: suitable for weak acidic and alkalinescent fluids

Seat

- PTEE Seat: Suitable for strong acid and alkali chemical materials.
- Fluorine Rubber Seat: Suitable for acid and alkali liquids, with the good sealing performance, including oil resistant fluorine rubber and temperature resistant fluorine rubber.
- Neoprent Rubber Seat: Suitable for slight acid and alkali liquids.
- NBR Seat: Suitable for transporting oily materials.

Ball

- Ceramic Ball: suitable for strong acid and alkali, chemical liquids and slurry of higher viscosity and strength.
- PTEE Ball: Suitable for strong acid and alkali and other chemical liquids of high flowability.
- Rubber Ball: Suitable for waste water, waste oil. If the user has no requirement, rubber ball is generally used.
- Steel Ball: Suitable for slurry of higher viscosity and strength, ceramic slurry, paint and etc.

Piston

- Ceramic Piston: Wear resistance, temperature resistance, long service life.
- Aluminum Piston: If the user has no requirement, the economic type is generally used.
- Plastic Piston: No need of lubrication at normal temperature.
- Wear Resistant Coating Piston: A new generation wear resistant and economic type product.

隔膜泵选型服务卡 Diaphragm Pump Model Selection Service Card

To: _____

From: _____

为了更好的为您服务，请填写下表，我们将准确，及时，热情地为您提供参考方案。请给予配合！谢谢！

公司名称: _____ 联系人: _____ 地址: _____

邮编: _____ 电话: _____ 传真: _____

使用条件:

1、应用领域: _____

2、输送介质: _____

3、介质特性: 腐蚀性 _____ 磨蚀性 _____ 有毒性 _____ 易燃易爆 _____

4、介质性状: 水 _____ 蜂蜜 _____ 牙膏 _____ 砂浆 _____

5、介质粘度: 正常 _____ mpa.s

6、介质温度: 正常 _____ ℃ 最高 _____ ℃ 最低 _____ ℃

7、固体含量: _____ % 粒数 _____ mm

固体特性: 硬 _____ 软 _____ 锋利 _____ 圆 _____ 纤维 _____

8、流量: 正常 _____ m³/h; 额定 _____ m³/h

9、额定扬程: _____ 最大扬程: _____

10、操作状态: 连续 _____ 间断 _____

11、曾用过的泵: _____

12、泵数量: _____

13、特殊要求: _____

安装环境: _____

1、排除管内径 _____ mm; 长度 _____ mm

2、吸入管内径DN _____ mm

3、吸入高度: _____

4、安装位置: 室内 _____ 室外 _____

5、安装形式: 固定式(卧式) _____ 立式 _____ 车载式 _____ 移动式 _____

6、环境温度: 最高 _____ ℃ 最低 _____ ℃

7、电机: 防爆等级 _____ 防护等级 _____ 纺丝等级 _____

8、特殊要求: _____



用户现场 User field



用户现场 User field

