

# 选型样本

## PRODUCTS CATALOG

专注聚氨酯发泡泵20余年

Focus on polyurethane foaming pump for more than 20 years



聚氨酯原料储存罐区  
槽车卸料及补料泵应用现场

Storage tank for polyurethane raw materials  
Application site of tanker discharge and feeding pump



杭州广铁轨道交通设备有限公司

Hangzhou GT Rail Traffic Equipment Co., Ltd



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NB-210L (L32)



NB-32H (H32)



NB-32HL (HL32)



NB-210L: PPG、POP发泡计量泵样机

NB-210L: Models of foaming metering pump for  
PPG and POP



NB-157K (K32)



NB-157KK (KK32)

## 产品介绍 PRODUCT DESCRIPTION

产品适用于：连续发泡生产线上 PPG;POP; 大料；小料及色浆的计量输送。对于加粉原料小齿轮与小轴特采用了高碳钢整体淬火，精磨，数控等多道工艺加工而成。高精密的设备确保了每一台泵的制造精度，使用时具有低噪音，压力稳定，计量精准等优点。为使泵能达到最佳的耐磨性特提供叁种不同材质的小齿轮轴套供选择：复合轴套，JDB 耐磨铜套与碳化硅超耐磨套。泵轴密封选用进口 PTFE+ 石墨填料效果更佳。另外我司可为多组份连续发泡机提供不同流量计量齿轮泵的应用方案。

The product can be applied to metering delivery of PPG, POP, large materials, small materials and color paste on a continuous foaming production line. For powder materials, processing technologies such as integral quenching of high-carbon steel, accurate grinding and numerical control are adopted for small gears and small shafts. The high-precision equipment can guarantee manufacturing precision of each pump and make the pump have advantages such as low noise, stable pressure and accurate metering. In order to make the pump have optimal abradability, we provide small gear bushings of three different materials for you to choose: compound bushing, JDB wearable copper bushing and super-wearable silicon carbide bushing. For pump shaft sealing, to choose the imported PTFE + graphite fillers can make a better effect. In addition, we can provide application programs of metering gear pumps of different flows for a multi-constituent continuous foaming machine.

- 粘度范围 Viscosity range: 1.0cst到100.000cst
- 温度范围 Temperature range: -120°C到+180°C

名称 NAME	型号 MODEL	口径 CALIBER	流量 FLOW	密封 SEAL	重量 WEIGHT	材质 MATERIAL
内齿泵 Internal gear pump	NB-32H	1.0寸 (cun)	33ml/转(R)	填料/机封 Filler/mechanical seal	9 kg	球铁 Ductile Iron
内齿泵 Internal gear pump	NB-32HL	1.5寸 (cun)	65ml/转(R)	填料/机封 Filler/mechanical seal	10kg	球铁 Ductile Iron
内齿泵 Internal gear pump	NB-157K	1.5寸 (cun)	350ml/转(R)	填料/机封 Filler/mechanical seal	35kg	球铁 Ductile Iron
内齿泵 Internal gear pump	NB-157KK	2.0寸 (cun)	525ml/转(R)	填料/机封 Filler/mechanical seal	38kg	球铁 Ductile Iron
内齿泵 Internal gear pump	NB-210L	2.0寸 (cun)	800ml/转(R)	填料/机封 Filler/mechanical seal	68kg	球铁 Ductile Iron



NB-210E (L124A)



NB-210E: PPG、POP发泡计量泵样机  
NB-210E: Models of foaming metering pump  
for PPG and POP



NB-32E (HL124A)



NB-210EQ (LQ124A)



NB-210EL (LL124A)



NB-157E (K124A)



NB-157EL (KK124A)

## 产品介绍 PRODUCT DESCRIPTION

产品适用于：连续发泡生产线上 PPG;POP;TDI;MDI; 大料；的计量输送. 以上型号在连续发泡机上输送 PPG; POP; 发泡时可达到 10Kg/ 分 -380Kg/ 分量已完全覆盖轻泡与重泡的要求。另外在大流量 PU 低压发泡机计量输送时 A, B 料各可达到 300g/ 秒 -5000g/ 秒。E 系列升级款是最新设计结构为聚氨酯发泡泵计量更精准，使用寿命更长，轴头部位较大盘形螺帽可轻松自由调节齿轮之间的平面间隙，即使泵在使用较长时间磨损后也可通过顺时针旋转大螺帽把泵腔内的平面间隙调至最小后继续使用，使泵达到最佳使用周期。齿轮泵主要部件都是采用加工中心对各部件进行精密加工，保证了输送时流量的稳定性与计量的精准。对加粉量大原料小齿轮与小轴特采用高碳钢整体淬火。为使泵能达到最佳的耐磨性特提供叁种不同材质的小齿轮轴套供选择：复合轴套，JDB 耐磨铜套与碳化硅超耐磨。泵轴密封选用进口 PTFE+ 防腐油封，或合金机械密封与防腐油封的组合运用密封效果更佳，(注：主推合金机封型) 使生产车间环境达到了环保更高要求。另外我司可为多组份连续发泡机提供不同流量计量齿轮泵的应用方案。

The product can be applied to metering delivery of PPG, POP, TDI, MDI and large materials on a continuous foaming production line. When the above types deliver PPG or POP on the continuous foaming machine, the foaming can reach 10Kg/min-380Kg/min and completely meet the requirements about light and heavy foams. In addition, for metering delivery on a high-flow PU low pressure foaming machine, Materials A and B can reach 300g/s-5000g/s respectively. The E-series upgraded type has an up-to-date design structure. It is a polyurethane foaming pump with advantages such as more accurate metering and longer service life. The spindle nose is large. The disc-type nut can adjust the plane interval between gears freely. Even if the pump is worn down due to a long time of using, it can continue to be used after the plane interval in the pump cavity is regulated to the minimum by rotating the large nut clockwise. In this way, the pump will have the best service cycle. All components of the gear pump are precisely processed through center machining to guarantee stable flow and accurate metering for the delivery. For large powdering materials, integral quenching of high-carbon steel is adopted for small gears and small shafts. In order to make the pump have optimal abrasion resistance, we provide small gear bushings of three different materials for you to choose: compound bushing, JDB wear-resistant copper bushing and super-wear-resistant silicon carbide bushing. The imported PTFE + anticorrosive oil seal is adopted for the pump shaft, or a combination of alloy mechanical seal and anticorrosive oil seal can make a better effect. (Note: Alloy mechanical seal is mainly recommended). Therefore, the environment of the production workshop can meet higher requirements. In addition, we can provide application programs of metering gear pumps of different flows for a multi-constituent continuous foaming machine.

- ◎ 粘度范围 Viscosity range: 1.0cst到200.000cst
- ◎ 温度范围 Temperature range: -120°C到+180°C

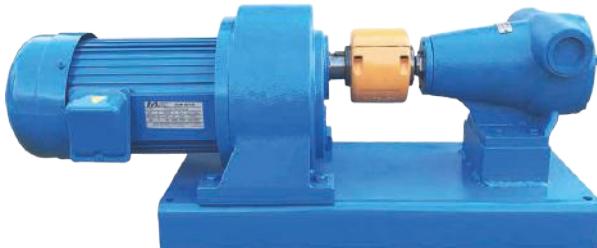
名称 NAME	型号 MODEL	口径 CALIBER	流量 FLOW	密封 SEAL	重量 WEIGHT	材质 MATERIAL
内齿泵 Internal gear pump	NB-32E	1.5寸 (cun)	65ml/转(R)	填料/机封 Filler/mechanical seal	25 kg	球铁 Ductile iron
内齿泵 Internal gear pump	NB-157E	2.0寸 (cun)	350ml/转(R)	填料/机封 Filler/mechanical seal	50 kg	球铁 Ductile iron
内齿泵 Internal gear pump	NB-157EL	2.0寸 (cun)	525ml/转 (R)	填料/机封 Filler/mechanical seal	55 kg	球铁 Ductile iron
内齿泵 Internal gear pump	NB-210E	2.0寸 (cun)	800ml/转 (R)	填料/机封 Filler/mechanical seal	70 kg	球铁 Ductile iron
内齿泵 Internal gear pump	NB-210EQ	2.5寸法兰(cun flange)	800ml/转(R)	填料/机封 Filler/mechanical seal	80 kg	球铁 Ductile iron
内齿泵 Internal gear pump	NB-210EL	3.0寸法兰(cun flange)	1050ml/转(R)	填料/机封 Filler/mechanical seal	125 kg	球铁 Ductile iron



NB-20W/130W (HL4195)



NB-16W (台湾A10/HJ4195)



### PU、AB 料、圆泡聚醚、平泡色浆、阻燃剂发泡计量泵样机

Models of foaming metering pump for PU, materials A and B, round-foam polyester, flat-foam color paste and flame retardant

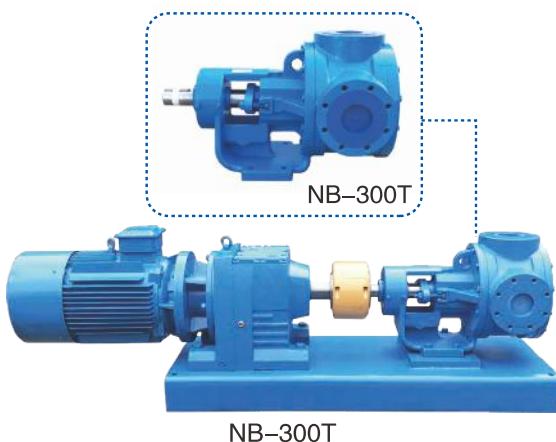
#### 产品介绍 PRODUCT DESCRIPTION

产品适用于：圆泡生产线 15Kg-65Kg 粉油的计量输送，齿轮为高碳钢经整体淬火，小轴套采用碳化硅套大大延长了使用寿命。在海绵连续发泡机上输送：MC 与 TDI 时具有压力稳定，流量更精准，缩短泡头长度等优点。在小流量 PU 低压发泡机 A,B 料计量输送时可各达到 50g/秒 -300g/秒，对于加粉原料特将齿轮整体淬火，并选用了碳化硅超耐磨轴套。内部装有多道防腐油封解决了输送泄漏问题，使生产车间空气更清新，环境更环保。另外对于特殊原料可根据用户要求设计不同材质与性能的泵实现真正意义上的非标定制。

The product can be applied to metering delivery of 15Kg-65Kg powder and oil on a round-foam production line. The gear is made of high-carbon steel of integral quenching. The small bushing is made of silicon carbide, so its service life is remarkably prolonged. When it delivers MC or TDI in a sponge continuous foaming machine, it has advantages such as stable pressure, more accurate flow and shortened foam head length. For metering delivery on a small-flow PU low pressure foaming machine, Materials A and B can reach 50g/s-300g/s respectively. For powder materials, the gear has gone through integral quenching and the super-wearable silicon carbide bushing is adopted. The several anticorrosive oil seals inside can solve the problem of delivery leakage, making the air in the production workshop fresher and the environment better. In addition, for special raw materials, pumps of different materials and performances can be designed according to the users' requirements so that non-standard customization in a real sense can be realized.

- ◎ 粘度范围 Viscosity range: 1.0cst到50.000cst
- ◎ 温度范围 Temperature range: -100°C到+180°C

名称 NAME	型号 MODEL	口径 CALIBER	流量 FLOW	密封 SEAL	重量 WEIGHT	材质 MATERIAL
内齿泵 Internal gear pump	NB-16W	1.0寸 (cun)	16ml/转(R)	防腐油封 Anticorrosive oil seal	11kg	球铁 Ductile iron
内齿泵 Internal gear pump	NB-40W	1.5寸 (cun)	40ml/转(R)	防腐油封 Anticorrosive oil seal	13kg	球铁 Ductile iron
内齿泵 Internal gear pump	NB-65W	1.5寸 (cun)	65ml/转(R)	防腐油封 Anticorrosive oil seal	13kg	球铁 Ductile iron
内齿泵 Internal gear pump	NB-80W	1.5寸 (cun)	80ml/转(R)	防腐油封 Anticorrosive oil seal	13kg	球铁 Ductile iron
内齿泵 Internal gear pump	NB-130W	1.5寸 (cun)	130ml/转(R)	防腐油封 Anticorrosive oil seal	18kg	球铁 Ductile iron



NB-300T

PPG、POP、4寸大流量槽车卸料及管道输送泵样机  
Models of 4-cun high-flow tanker discharge and  
pipeline delivery pump for PPG and POP

### 产品介绍 PRODUCT DESCRIPTION

产品适用于：聚氨酯化工原料 PPG, POP, TDI, MDI 的槽车卸料到大储存罐或大储存罐输送到发泡罐的远距离管道输送。连续发泡机上 PPG 与 POP; 大料的发泡计量输送与大储存罐到发泡罐的补料。另外我司承建过较多新建海绵厂及涂料；油墨；树脂化工厂齿轮泵远距离输送项目尤其在高粘度化工原料的输送上积累了大量的应用数据，可为新建项目提供完整流体输送应用方案。为使泵能达到最佳的耐磨性小齿轮可根据不同化工原料的特性选择：复合轴套，JDB 耐磨铜套与碳化硅超耐磨套。使泵的使用寿命达到最佳效果。

The product can be applied to tanker discharge of polyurethane chemical materials such as PPG, POP, TDI, MDI to a large storage tank or long-distance pipeline delivery from a large storage tank to a foaming tank. Foaming metering delivery of PPG, POP and large materials on a continuous foaming machine and feeding from a large storage tank to a foaming tank. In addition, we have undertaken several gear pump long-distance delivery projects for newly-built sponge factories and paint, oil and resin chemical plants. Especially, we have accumulated a large quantity of application data about delivery of high-viscosity chemical materials and can provide application programs about complete fluid delivery for new projects. In order to make the pump have optimal abradability, the small gear can be equipped with a compound bushing, JDB wearable copper bushing or super-wearable silicon carbide bushing according to the property of different chemical materials so that pump can have the longest service life.

- ◎ 粘度范围 Viscosity range: 1.0cst到200.000cst
- ◎ 温度范围 Temperature range: -120°C到+180°C

名称 NAME	型号 MODEL	口径 CALIBER	流量 FLOW	密封 SEAL	重量 WEIGHT	材质 MATERIAL
内齿泵 Internal gear pump	NB-136T	1.5寸(cun)	235ml/转(R)	机封/填料 Mechanical seal/filler	38 kg	球铁 Ductile iron
内齿泵 Internal gear pump	NB-157	2.0寸(cun)	350ml/转(R)	机封/填料 Mechanical seal/filler	50 kg	球铁 Ductile iron
内齿泵 Internal gear pump	NB-157L	2.0寸(cun)	525ml/转(R)	机封/填料 Mechanical seal/filler	55 kg	球铁 Ductile iron
内齿泵 Internal gear pump	NB-157T	2.0寸(cun)	350ml/转(R)	机封/填料 Mechanical seal/filler	52 kg	球铁 Ductile iron
内齿泵 Internal gear pump	NB-157TL	2.0寸(cun)	525ml/转(R)	机封/填料 Mechanical seal/filler	58 kg	球铁 Ductile iron
内齿泵 Internal gear pump	NB-153J	2.0寸(cun)	460ml/转(R)	机封/填料 Mechanical seal/filler	85 kg	球铁 Ductile iron
内齿泵 Internal gear pump	NB-157F	2.0寸(cun)	350ml/转(R)	磁连密封 Magnetic seal	35 kg	球铁 Ductile iron
内齿泵 Internal gear pump	NB-157FL	2.0寸(cun)	525ml/转(R)	磁连密封 Magnetic seal	38 kg	球铁 Ductile iron
内齿泵 Internal gear pump	NB-210F	2.5寸法兰(cun flange)	800ml/转(R)	骨架机封 Framework mechanical seal	62 kg	球铁 Ductile iron
内齿泵 Internal gear pump	NB-210FL	3.0寸法兰(cun flange)	1050ml/转(R)	防腐油封 Mechanical seal/filler	75 kg	球铁 Ductile iron
内齿泵 Internal gear pump	NB-210T	3.0寸法兰(cun flange)	1050ml/转(R)	机封/填料 Mechanical seal/filler	120 kg	球铁 Ductile iron
内齿泵 Internal gear pump	NB-300T	4.0寸法兰(cun flange)	2500ml/转(R)	机封/填料 Mechanical seal/filler	230 kg	球铁 Ductile iron



NB-136T



NB-157/157L



NB-157T/157TL(台湾泵A20/A25)



NB-153J



NB-157F/157FL/210F/210FL



NB-157F/157FL/210F/210FL  
大流量磁联加减速机、聚氨酯原料  
输送泵样机



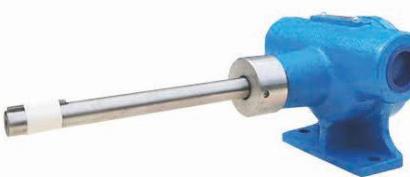
NB-210T



NB-210TJ(合金机械密封型)  
TDI、MDI、PPG、POP、3寸  
槽车卸料及管道输送泵样机



NB-32X/FH(F32/FH32)



NB-32G(G32)



NB-32F



NB-32D



NB-106M



NB-106J



NB-106J: 合金机械密封型 TDI、MDI、MC 补料泵样机

NB-106J: Model of TDI, MDI and MC feeding pump with alloy mechanical seal

### 产品介绍 PRODUCT DESCRIPTION

产品适用于：连续发泡机上的小料及色浆的计量输送。PU发泡机的补料泵与200Kg铁桶的抽料泵。大储存罐到发泡罐的补料泵。齿轮采用加工中心等多道工艺加工而成。高精密的设备确保了每台泵的制造精度，使用时具有低噪音，压力稳定，计量精准等优点。为使泵能达到最佳的耐磨性小齿轮可根据不同化工原料的特性选择：复合轴套，JDB耐磨铜套与碳化硅超耐磨套。使泵的使用寿命延长至最佳。另外我司可为多组份连续发泡机提供不同流量计量齿轮泵的应用方案。

The product can be applied to metering delivery of small materials and color paste on a continuous foaming machine. Feeding pump for a PU foaming machine and transfer pump for an iron bucket of 200Kg. Feeding pump from a large storage tank to a foaming tank. The gear is processed through center machining and other technologies. The high-precision equipment can guarantee manufacturing precision of each pump and make the pump have advantages such as low noise, stable pressure and accurate metering. In order to make the pump have optimal abrasion resistance, the small gear can be equipped with a compound bushing, JDB wear-resistant copper bushing or super-wear-resistant silicon carbide bushing according to the property of different chemical materials so that the pump can have the longest service life. In addition, we can provide application programs of metering gear pumps of different flows for the multi-constituent continuous foaming machine.

- 粘度范围 Viscosity range: 1.0cst到50.000cst
- 温度范围 Temperature range: -120°C到+180°C

名称 NAME	型号 MODEL	口径 CALIBER	流量 FLOW	密封 SEAL	重量 WEIGHT	材质 MATERIAL
内齿泵 Internal gear pump	NB-32X	0.5寸(cun)	4ml/转(R)	填料 Filler	3kg	球铁 Ductile iron
内齿泵 Internal gear pump	NB-32FH	0.5寸(cun)	8ml/转(R)	填料 Filler	3.3kg	球铁 Ductile iron
内齿泵 Internal gear pump	NB-32G	1.0寸(cun)	16ml/转(R)	填料 Filler	5kg	球铁 Ductile iron
内齿泵 Internal gear pump	NB-32F	1.5寸(cun)	65ml/转(R)	机封 Mechanical seal	10kg	球铁 Ductile iron
内齿泵 Internal gear pump	NB-32D	1.5寸(cun)	65ml/转(R)	机封 Mechanical seal	11kg	球铁 Ductile iron
内齿泵 Internal gear pump	NB-106J	1.5寸(cun)	130ml/转(R)	机封 Mechanical seal	26kg	球铁 Ductile iron
内齿泵 Internal gear pump	NB-106M	1.5寸(cun)	130ml/转(R)	机封 Mechanical seal	15kg	球铁 Ductile iron



## 产品介绍 PRODUCT DESCRIPTION

外齿泵F系列：泵与磁联、减速机及电机的整套样机

External gear pumps F series: Complete prototypes of pump with magnetic coupling, gearbox and motor

产品适用于：流水线发泡机各种小料及TDI, MDI, 聚醚的发泡计量，PU发泡机的A, B料的发泡计量，发泡机补料泵及聚氨酯原料输送泵。

外齿泵F系列主要特点是型号多能够适用不同工况的应用，标准规格的壳体部件由球墨铸铁制成。高碳钢斜齿轮经过精密加工，淬火，磨齿；特殊的齿轮几何形状实现了超低声级值和微小的压力波动。另外根据不同应用工况采用多种材质制成的专用轴套，使泵达到更高的稳定性，耐磨性，延长了使用寿命。标准规格的驱动轴采用径向轴双密封防腐密封圈（可选配无泄露磁联器）。

The products are applicable to: the foaming measurement of various small materials and TDI, MDI, polyether of the assembly line foaming machine, the foaming measurement of a and B materials of the PU foaming machine, the replenishment pump of the foaming machine and the conveying pump of polyurethane raw materials.

The main feature of F series of external gear pump is that it has many models and can be applied to different working conditions. The shell parts of standard specifications are made of nodular cast iron. High carbon steel helical gears are precision machined, Quenched and ground; The special shaft sleeves made of various materials are used according to different application conditions, so that the pump can achieve higher stability, wear resistance and prolong its service life. The drive shaft of standard specification adopts radial shaft double seal anti-corrosion seal ring (optional with leakage free magnetic coupling).

◎ 粘度范围 VISCOSITY RANGE: 5.0CST到20000.000CST

◎ 温度范围 TEMPERATURE RANGE: -15°C到+80°C

◎ 公称压力: 0.5BAR; 最大压力: 25BAR

名称 NAME	型号 MODEL	口径 CALIBER	流量 FLOW	密封 SEAL	重量 WEIGHT	材质 MATERIAL
外齿泵External gear pump	SXF-2.5	G3/4	2.5ml /转	氟橡胶Fluororubber	3.6 kg	铸铁cast iron
外齿泵External gear pump	SXF-04	G3/4	4 ml/转	氟橡胶Fluororubber	3.6 kg	铸铁cast iron
外齿泵External gear pump	SXF-05	G3/4	5 ml/转	氟橡胶Fluororubber	3.6 kg	铸铁cast iron
外齿泵External gear pump	SXF-06	G3/4	6 ml/转	氟橡胶Fluororubber	3.6 kg	铸铁cast iron
外齿泵External gear pump	SXF-08	G3/4	8 ml/转	氟橡胶Fluororubber	3.6 kg	铸铁cast iron
外齿泵External gear pump	SXF-10	G3/4	10 ml/转	氟橡胶Fluororubber	3.6 kg	铸铁cast iron
外齿泵External gear pump	SXF-12	G3/4	12 ml/转	氟橡胶Fluororubber	3.6 kg	铸铁cast iron
外齿泵External gear pump	SXF-16	G1	16 ml/转	氟橡胶Fluororubber	3.6 kg	铸铁cast iron
外齿泵External gear pump	SXF-20	G1	20 ml/转	氟橡胶Fluororubber	3.8 kg	铸铁cast iron
外齿泵External gear pump	SXF-25	G1	25 ml/转	氟橡胶Fluororubber	3.8 kg	铸铁cast iron
外齿泵External gear pump	SXF-32	Φ38	32 ml/转	氟橡胶Fluororubber	10 kg	铸铁cast iron
外齿泵External gear pump	SXF-40	Φ38	40 ml/转	氟橡胶Fluororubber	10 kg	铸铁cast iron
外齿泵External gear pump	SXF-50	Φ38	50 ml/转	氟橡胶Fluororubber	10 kg	铸铁cast iron
外齿泵External gear pump	SXF-63	Φ38	63 ml/转	氟橡胶Fluororubber	11.5 kg	铸铁cast iron
外齿泵External gear pump	SXF-80	Φ38	80 ml/转	氟橡胶Fluororubber	11.5 kg	铸铁cast iron
外齿泵External gear pump	SXF-100	Φ50.8	100 ml/转	氟橡胶Fluororubber	17.5 kg	铸铁cast iron
外齿泵External gear pump	SXF-112	Φ50.8	112 ml/转	氟橡胶Fluororubber	17.5 kg	铸铁cast iron
外齿泵External gear pump	SXF-125	Φ63.5	125 ml/转	氟橡胶Fluororubber	26 kg	铸铁cast iron
外齿泵External gear pump	SXF-150	Φ63.5	150 ml/转	氟橡胶Fluororubber	26 kg	铸铁cast iron
外齿泵External gear pump	SXF-180	Φ76.2	180 ml/转	氟橡胶Fluororubber	27.5 kg	铸铁cast iron
外齿泵External gear pump	SXF-200	Φ76.2	200 ml/转	氟橡胶Fluororubber	27.5 kg	铸铁cast iron
外齿泵External gear pump	SXF-250	G3	250 ml/转	氟橡胶Fluororubber	43 kg	铸铁cast iron
外齿泵External gear pump	SXF-315	G3	315 ml/转	氟橡胶Fluororubber	43 kg	铸铁cast iron
外齿泵External gear pump	SXF-400	G4	400 ml/转	氟橡胶Fluororubber	55 kg	铸铁cast iron



高压柱塞泵  
SXGV-12/28/55/107



高压柱塞泵现场安装照片  
Site installation photo of high-pressure plunger pump

### 产品介绍 PRODUCT DESCRIPTION

产品适用于：汽车制造业，家居制造业，冰箱，冰柜，保温管道与夹心板材的聚氨酯原料高压的发泡计量。用户在选型时请提供聚氨酯原料的名称，各组分的配比（异氰酸酯，聚醚多元醇）。

高压可变量柱塞泵系列用于聚氨酯原料的发泡，流量可通过带刻度盘的手轮自由调节排量容积（也可通过变频调节流量）。可调斜轴式柱塞对各反应组份进行高精度的计量。此系列高压柱塞泵计量精度高，流量大小调节后的稳定性好。柱塞与活塞采用特殊材质精密加工及热处理工艺制成，进一步提高泵的使用寿命及耐磨性。密封采用特殊材料双联轴密封件（可选配无泄露磁联器）。

The products are suitable for high-pressure foaming measurement of polyurethane raw materials in automobile manufacturing, home manufacturing, refrigerators, freezers, thermal insulation pipes and sandwich panels. Please provide the name of polyurethane raw materials and the proportion of each component (isocyanate, polyether polyol) when selecting models.

The high-pressure variable piston pump series is used for foaming polyurethane raw materials. The flow can be freely adjusted by the hand wheel with a dial (and the flow can also be adjusted by frequency conversion). The adjustable inclined shaft plunger can measure each reaction component with high precision. This series of high-pressure piston pump has high metering accuracy and good stability after flow adjustment. The plunger and piston are made of special materials by precision machining and heat treatment process, which further improves the service life and wear resistance of the pump. The seal adopts double shaft seals made of special materials (optional leakage free magnetic coupling).

- ◎ 粘度范围VISCOSEITY RANGE: 5.0CST到1600.000CST
- ◎ 温度范围TEMPERATURE RANGE: +10°C 到+80°C
- ◎ 公称压力: 250BAR;最大压力: 315BAR

(注: 订货可选配高压溢流阀)

名称 NAME	型号 MODEL	口径 CALIBER	流量 FLOW	密封 SEAL	重量 WEIGHT
高压柱塞泵 High pressure plunger pump	SXGV-12	Φ 32—M22*1.5	12ml/转R	防腐油封 Anti corrosion oil seal	19 kg
高压柱塞泵 High pressure plunger pump	SXGV-28	Φ 40— M27*2	28ml/转R	防腐油封 Anti corrosion oil seal	36 kg
高压柱塞泵 High pressure plunger pump	SXGV-55	Φ 50—M33*2	55ml/转R	防腐油封 Anti corrosion oil seal	64 kg
高压柱塞泵 High pressure plunger pump	SXGV-107	Φ 60—M44*2	107ml/转R	防腐油封 Anti corrosion oil seal	117 kg



高压柱塞泵GZB-1260/GZB-1280

注意转向严禁反转



高压柱塞泵GZB-1030-82/GZB-1270-103

### 产品介绍 PRODUCT DESCRIPTION

TDI高压泵为松旭公司根据TDI原料的特性在国外公司非标定制的一款用于聚氨酯流水线发泡的高压泵，最高压力可达到35Mpa，可将TDI原料在高压发泡时产生雾化，让TDI与其他原料在化学反应时更为充分，发出更高品质的绵，同时也可以节省TDI的用量。

TDI high-pressure pump is a non-standard customized high-pressure pump for polyurethane assembly line foaming by songxu company according to the characteristics of TDI raw materials in foreign companies. The maximum pressure can reach 35MPa, which can atomize TDI raw materials during high-pressure foaming, so that TDI and other raw materials can react more fully in chemical reaction, produce higher quality cotton, and also save the amount of TDI.

名称 NAME	型号 MODEL	密封 SEAL	材质 MATERIAL	电机功率 Motor power
高压柱塞泵 High Pressure Piston pump	GZB-1030-82 GZB-1270-103	氟油封 Fluorine oil seal	合金钢/球铁 Alloy Steel/ductile iron	根据压力选 Choose according to the pressure
高压柱塞泵 High Pressure Piston pump	GZB-1260	GZB-1280	氟油封 Fluorine oil seal	合金钢/球铁 Alloy Steel/ductile iron 根据压力选 Choose according to the pressure



高压泵SXGF-5/10/12/23/28/55/107



应用现场照片  
Apply site photos

### 产品介绍 PRODUCT DESCRIPTION

产品适用于：流水线TDI与小料的高压发泡，模塑A/B料的高压发泡计量。用户在选型时请提供聚氨酯原料的名称，各组分的配比（异氰酸酯，聚醚多元醇）。此产品主要部件采用高碳钢精密加工而成，高温淬火使其达到更长的使用寿命，运行时脉冲小计量更精准。密封采用特殊材料双联轴密封件（可选配无泄露磁联器）。

The product is applicable to: high-pressure foaming of assembly line TDI and small materials, and high-pressure foaming measurement of molded a/b materials. Please provide the name of polyurethane raw materials and the proportion of each component (isocyanate, polyether polyol) when selecting models. The main components of this product are precision machined from high carbon steel. High temperature quenching enables it to achieve a longer service life. When running, the pulse is small and the measurement is more accurate. The seal adopts double shaft seals made of special materials (optional leakage free magnetic coupling).

名称 NAME	型号 MODEL	口径 CALIBER	流量 FLOW	密封 SEAL	材质 MATERIAL
高压泵 High pressure pump	SXGF-5	M8*1-M22*1.5	5ml/转	氟油封 Fluorine oil seal	合金钢/球铁 Alloy Steel/ductile iron
高压泵 High pressure pump	SXGF-10	M12*1.5-M33*2	10ml/转	氟油封 Fluorine oil seal	合金钢/球铁 Alloy Steel/ductile iron
高压泵 High pressure pump	SXGF-12	M12*1.5-M33*2	12ml/转	氟油封 Fluorine oil seal	合金钢/球铁 Alloy Steel/ductile iron
高压泵 High pressure pump	SXGF-23	M16*1.5-M42*2	23ml/转	氟油封 Fluorine oil seal	合金钢/球铁 Alloy Steel/ductile iron
高压泵 High pressure pump	SXGF-28	M16*1.5-M42*2	28ml/转	氟油封 Fluorine oil seal	合金钢/球铁 Alloy Steel/ductile iron
高压泵 High pressure pump	SXGF-55	M18*1.5-法兰4-M10(48*48)	55ml/转	氟油封 Fluorine oil seal	合金钢/球铁 Alloy Steel/ductile iron
高压泵 High pressure pump	SXGF-107	M18*1.5-法兰4-M10(60*60)	107ml/转	氟油封 Fluorine oil seal	合金钢/球铁 Alloy Steel/ductile iron



## 意大利 AR 柱塞泵系列 Italy AR plunger pump series

产品主要用于：平泡与圆泡的水的发泡计量。  
Mainly applied to: foaming metering of flat-foam and round-foam water

现有型号为 Current models: RC-M02-2L、RC-M04-4L、RC-06-6L、RC-08-8L、RC-11-11L.



## 德国 SPECK 柱塞泵系列 Germany SPECK plunger pump series

产品主要用于：平泡与圆泡的水的发泡计量。  
Mainly applied to: foaming metering of flat-foam and round-foam water

现有型号为 Current models: NP10/2-170 - 2.3L、NP10/4-150- 3.4L、NP10/7-150 -7.2L、  
NP10/10-150 -10.6L、NP10/13-150-13.1L.



## 美国 CAT 柱塞泵系列 US CAT plunger pump series

产品主要用于：平泡与圆泡的水的发泡计量。  
Mainly applied to: foaming metering of flat-foam and round-foam water

现有型号为 Current models: 4DX15ER-2.3L、4DX27ER-4.7L、3CP1130-7.5L、3CP1140 -11.4L、  
3CP1120 -13.3L.



## 日本原装GPY齿轮泵系列 GPY gear pump series of Japanese original packaging

产品主要用于：平泡与圆泡的水，色浆，硅油，锡，胺，等小料的发泡计量。  
The product can be applied to foaming metering of small materials such as flat-foam or  
round-foam water, color paste, silicone oil, tin and amine.

现有型号为：GPY-3R、GPY-4R、GPY-5.8R、GPY-8R、GPY-10R、GPY-11.5R。(另外小流量有日本原装的K1P1R  
与 K1P2R 供选, 齿轮两端为铜挡板)

Current models: GPY-3R、GPY-4R、GPY-5.8R、GPY-8R、GPY-10R、GPY-11.5R.(For small flows, K1P1R or K1P2R of  
Japanese original packaging can be chosen. The gear has a copper baffle at each end.)



## 美国派克(PARKER)原装水过滤器与过滤芯 PARKER water filter and filter element of U.S. original packaging

产品主要用于：平泡，圆泡的水过滤，过滤器与过滤芯全部为美国派克原装，5微米过滤芯的精度完全可以  
将水中的细小泥沙及其他杂质完全过滤干净，过滤后的水已基本达到饮用水标准。过滤量 1000kg/h. 另外  
建议过滤好的水发泡前稍加些硅油搅拌一下，可起到润滑作用进一步延长水泵的使用寿命同时发泡计量时  
会更稳定更精准。

The product can be applied to water filtering for flat or round foams. All filter elements are PARKER of U.S. original  
packaging. The precision of the 5-micrometer filter element can guarantee complete filtering of small sands and other  
impurities from water. The filtered water can basically meet the standard about drinking water. The filtering rate is  
1000kg/h. In addition, it is suggested that the filtered water be mixed with some silicone oil before foaming. It will  
have a lubricating effect, thus further prolonging the service life of the pump and making foaming metering more  
stable and accurate.



## 磁联泵 (永磁) Magnetic coupling pump (permanent magnet)

产品主要用于：平泡，圆泡的 TDI 或 MDI 的发泡计量输送，具有计量精准，无脉冲，无泄漏，扭矩大等优点。  
磁联器采用国内最先进的永磁技术生产制造。可根据用户要求定制不同型号齿轮泵的磁联。

The product can be applied to foaming metering delivery of flat-foam or round-foam TDI or MDI. It has advantages  
such as accurate metering, no pulse, no leakage and large torque. The magnetic coupler is produced with the most  
advanced permanent magnet technology in China. The magnetic coupler can be customized for gear pumps of  
different types according to users' requirements.

现有型号为 Current models: NB-H20、NB-H25、NB-H32、NB-H40、NB-H50、NB-H63、NB-H80、  
NB-H100、NB-H125、NB-H150、NB-H200、NB-H250.

## 硅油搅拌器 Silicone Oil Mixer

产品适用于：平泡发泡机上硅油搅拌。通过高速电机、磁联、带动叶片高速搅拌及相互剪切的作用，将硅油快速分散  
细化、硅油与多种原料聚集后反应更充分、使得海绵支撑性更好。无泄漏磁联采用国内最先进的永磁技术生产制造。  
The product can be applied to mix silicone oil in flat foam machine. Through the role of high-speed motor, magnetic  
link, driven blade high-speed mixing and mutual shear, the silicone oil will be quickly dispersed and refined, the  
silicone oil and a variety of raw materials gathered after the reaction is more fully, making the sponge better  
support. The non-leakage magnetic link adopts the most advanced permanent magnet technology in China.

现有型号为 Current model: SXGT-32

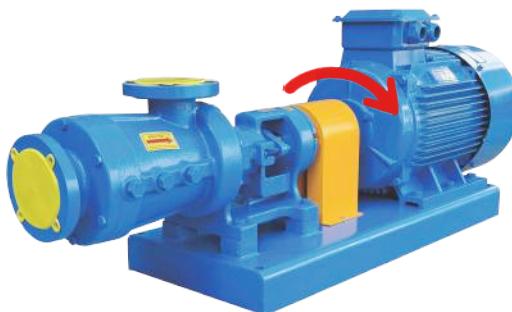


## 聚醚泵 (外齿泵) Polyamide pump (external gear pump)

产品适用于：连续发泡生产线上的 PPG;POP;TDI;MDI 等原料的补料及发泡计量。泵腔内部已全部升级为  
内封式防腐油封，保护了内部轴承的使用寿命。轴头外部还装有机封与防腐油封，密封效果更佳。

The product can be applied to feeding and foaming metering of raw materials such as PPG, POP, TDI and MDI on a  
continuous foaming production line. The inside of the pump cavity has been upgraded to internal anticorrosive oil  
seal, which can protect the service life of the internal bearings. Outside the spindle nose are mechanical seal and  
anticorrosive oil seal, which can achieve a better sealing effect.

现有型号为 Current models: WB-7、WB-13、WB-83.3、WB-200、WB-300、WB-633、WB-15J、WB-20J.



粉油混磨机(单机)  
Powder oil mixing mill (single machine)



### 产品介绍 PRODUCT DESCRIPTION

### 粉油混磨一体机 Powder oil mixed grinding integrated machine

粉油混磨机主要应用于:家私绵;大力绵;生产过程中的普通聚醚与三聚氰胺或聚醚与石粉混合后进行高速剪切;研磨;乳化,分散;让其在发泡过程中与其它聚氨酯原料充分均匀混合在一起;化学反应更加充分;生产出更高品质的海绵。混磨机的工作流程:先将原料在地罐搅拌充分后再由泵抽到→粉油混磨机→输送到发泡罐等待发泡。工作效率可达2-8吨/h。(供料泵一定要加变频器来控制流量;通过控制流量才能达到您所需细度及研磨效果。)混磨机内部主要采用8片合金研磨片,结构完全根据高低粘度混合原料设计,原料进入混磨锥腔后会经过三组磨片高速剪切;研磨;乳化,分散;所有合金研磨片都由多形状组合而成;其中有:水滴孔,弧形槽,直腰槽,斜刀孔,通过这些不同规格的磨片将原料从不同角度甩出并经过多次研磨剪切让粉粒破碎,研磨后发现原料的比重有很大变化,粉与油充分溶解于一体,发泡后对海绵的手感,气孔,豆孔,有了明显改善。混磨机上市10年来通过众多用户信息反馈及数据分析后我司再次对配对合金磨片进行了二次优化升级研磨效果有了进一步提升。

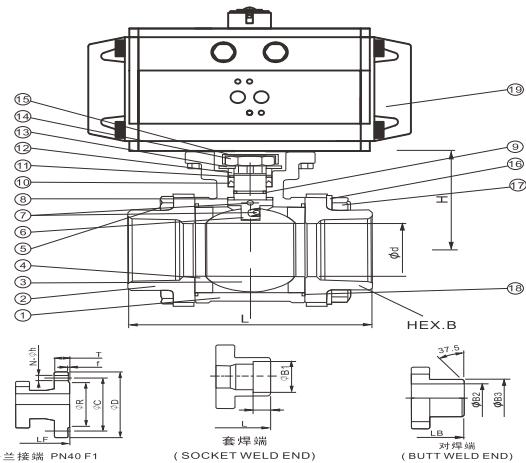
The powder oil mixing mill is mainly used for: furniture foam; HI-POLY; High speed shearing of ordinary polyether mixed with melamine or polyether mixed with stone powder during the production process; grind; Emulsification and dispersion; Mix it thoroughly and evenly with other polyurethane raw materials during the foaming process; Chemical reactions are more complete; Produce higher quality sponges. The workflow of the mixing mill: First, mix the raw materials in the ground tank and then pump them to the → powder oil mixer → transport them to the foaming tank to wait for foaming. The work efficiency can reach 2-8 tons/h. (The feed pump must be equipped with a frequency converter to control the flow rate; By controlling the flow rate, you can achieve the desired fineness and grinding effect. ) The mixing mill mainly uses 8 alloy grinding plates inside, and the structure is designed completely based on the high and low viscosity mixed raw materials. After entering the mixing cone cavity, the raw materials will undergo high-speed shearing by three sets of grinding plates; grind; Emulsification and dispersion; All alloy grinding plates are composed of a combination of multiple shapes; Among them, there are water droplet holes, arc-shaped grooves, straight waist grooves, and inclined knife holes. Through these different specifications of grinding discs, the raw materials are thrown out from different angles and subjected to multiple grinding and shearing to break the powder particles. After grinding, it was found that the specific gravity of the raw materials changed greatly, and the powder and oil were fully dissolved into one. After foaming, the hand feel, pores, and bean holes of the sponge were significantly improved. In the past 10 years since the launch of the hybrid grinding machine, our company has once again optimized and upgraded the paired alloy grinding discs through numerous user information feedback and data analysis, which has further improved the grinding effect.

名称 NAME	型号 MODEL	口径 CALIBER	流量 FLOW	密封 SEAL	重量 WEIGHT	材质 MATERIAL	电机功率 MOTOR POWER
粉油混磨机 Powder oil mixing mill	SXHM-822N	3.0寸法兰	1-8t	机封/填料 Mechanical seal/filler	330 kg	合金钢/球铁 Alloy Steel/ductile iron	22KW
粉油混磨机 Powder oil mixing mill	SXHM-830N	3.0寸法兰	1-8t	机封/填料 Mechanical seal/filler	380 kg	合金钢/球铁 Alloy Steel/ductile iron	30KW

# 不锈钢气动两通及三通球阀

STAINLESS STEEL PNEUMATIC TWO-WAY AND THREE-WAY BALL VALVES

## 不锈钢气动两通球阀 Stainless steel pneumatic two-way ball valves



### 产品参数 Parameter:

空气驱动: 洁净压缩空气5-7Bar  
Driving air source: Clean compressed air 5-7Bar

公称口径 Nominal diameter: 1/4" ~4"

公称压力 Nominal pressure: 1000PSI 2000PSI

适用温度 Applicable temperature: -20°C~120°C

连接方式: 牙口 (NPT,PT,G)、对焊、套焊、法兰、卡箍  
Connection mode: Threaded (NPT, PT, G), butt welding, socket welding, flanged, anulated

结构形式: 三片式

Structure: Three-piece

适用介质: 水、油、气、及化工原料

Applicable medium: Water, oil, gas and chemicals



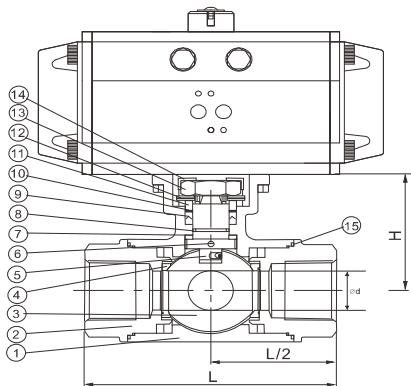
### 材质表 MATERIAL LIST

序号No.	零件名称 PARE NAME	材质 MATERIAL
1	阀体 BODY	CF8M/CF8/WCB...
2	阀盖 END CAP	CF8M/CF8/WCB...
3	球体 BALL	CF8M/CF8...
4	阀座 BALL SEAT	PTFE/R·PTFE/TFM1600...
5	螺栓 BOLT	SUS304
6	阀杆 STEM	SUS316/SUS304
7	防静电装置 ANTI-STATIC	SUS316/SUS304
8	垫圈 STEM SEAL-RING	PTFE/R·PTFE
9	O型圈 O-RING GASKET	FKM/VITON
10	阀杆填料 V-RING STEM PACKING	PTFE/R·PTFE
11	密封衬套 BUSHING	PTFE+50%SS
12	格兰 GLAND	SUS316
13	蝶型弹片 BELLEVILLE WASHER	SUS301
14	阀杆螺母 STEM NUT	A194-8
15	定位锁盖 STOP-LOCK-CAP	SUS304
16	弹簧垫圈 BOLT WASHER	SUS304
17	螺母 NUT	A194-8
18	阀盖垫圈 BODY GASKET	PTFE/R·PTFE
19	执行器 ACTUATOR	Pneumatic or Electric

### 尺寸表 DIMENSIONS (mm)

SIZE	φd	L	LB	LF	H	φD	φC	φR	T	t	N·e·h	φB1	φB2	φB3
1/4"	11.2	60	55	—	39.5	—	—	—	—	—	—	14	11.3	18
3/8"	12.7	60	55	—	39.5	—	—	—	—	—	—	17.5	12.7	19.5
1/2"	16.0	75	70.2	130	39.5	95	65	46	14	2.0	4-14	22	16	23.2
3/4"	20.0	80	76.2	130	43	105	75	56	16	2.0	4-14	27.5	20.2	28
1"	25.0	90	90	140	47.5	115	85	65	16	2.0	4-14	34.5	25.2	34
1 1/4"	32.0	110	109	165	53.5	140	100	76	18	2.0	4-18	43.3	32.2	41
1 1/2"	38.0	120	119	165	61.5	150	110	84	18	3.0	4-18	49.2	38.1	49
2"	50.0	140	138.2	203	70.5	165	125	99	20	3.0	4-18	61.2	50.8	61
2 1/2"	65.0	173	173	222	97	185	145	118	22	3.0	8-18	77	65	78
3"	80.0	187	192	241	106	200	160	132	24	3.0	8-18	89.9	80	94
4"	100.0	225	225	305	137	235	190	156	24	3.0	8-22	—	100	125

## 不锈钢气动三通球阀 Stainless steel pneumatic three-way ball valves



### 产品参数 Parameter:

空气驱动: 洁净压缩空气5-7Bar

Driving air source: Clean compressed air 5-7Bar

公称口径 Nominal diameter: 1/4" ~2"

公称压力 Nominal pressure: 1000PSI

适用温度 Applicable temperature: -20°C~120°C

连接方式: 牙口 (NPT,PT,G)、套焊、卡箍

Connection mode: Threaded (NPT, PT, G), socket welding, anulated

结构形式: 三通T/L型

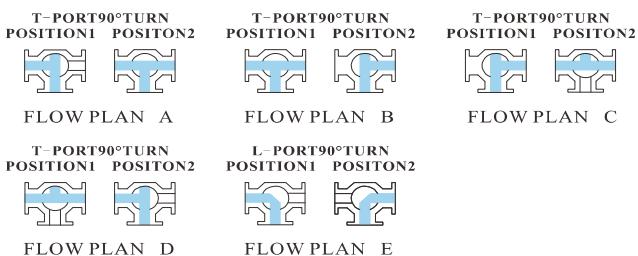
Structure: Three-way (T/L-type)

适用介质: 水、油、气、及化工原料

Applicable medium: Water, oil, gas and chemicals



### 流向示意图

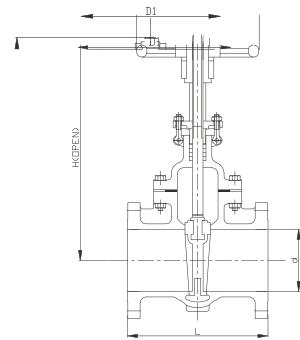


### 材质表 MATERIAL LIST

序号No.	零件名称 PARE NAME	材质 MATERIAL
1	阀体 BODY	CF8M/CF8...
2	阀盖 END CAP	CF8M/CF8...
3	球体 BALL	CF8M/CF8...
4	阀座 BALL SEAT	PTFE/R·PTFE/TFM1600...
5	阀杆 STEM	SUS316/SUS304
6	防静电装置 ANTI-STATIC	SUS316/SUS304
7	垫圈 STEM SEAL-RING	PTFE/R·PTFE
8	O型圈 O-RING GASKET	FKM/VITON
9	阀杆填料 V-RING STEM PACKING	PTFE/R·PTFE
10	密封衬套 BUSHING	PTFE+50%SS
11	格兰 GLAND	SUS316
12	蝶型弹片 BELLEVILLE WASHER	SUS301
13	阀杆螺母 STEM NUT	A194-8
14	定位锁盖 STOP-LOCK-CAP	SUS304
15	阀盖垫圈 BODY GASKET	PTFE/R·PTFE

### 全流量闸阀，法兰连接 Full-flow gate valve, flanged connection ANSI 150LB/300LB/JIS10K/PN16

MODEL : GTF	主体材质 Body material	密封材料 Sealing material	阀芯材质 Valve core material	压力等级 Pressure rating	阀门口径 Valve caliber
1-CF8M	W-本体密封 Body material	1-CF8M	1-150LB RF	<input type="checkbox"/>	
2-CF8	H-2Cr13	2-CF8	2-PN16 RF		
3-WCB	Y-STL	3-WCB	3-JIS 10K RF		
4-CF3M		4-CF3M	4-300LB RF		
			5-PN40 RF		



#### 规范 STANDARD

设计制造 DESIGN:ANSI B16.34

结构长度 FACE TO FACE:ANSI B16.10/JIS B2002/GB

法兰尺寸 FLANGE DIMENSION:ANSI B16.5/JIS B2238/GB

检验测试 TESTING:API598

#### 尺寸表 DIMENSIONS(mm)

SIZE	d	L			H			D1	
		150LB/ JIS10K	300LB	PN16	150LB/JIS 10K/PN16	300LB	150LB/JIS 10K/PN16	300LB	
1/2"	15	108	140	115	205	210	100	100	
3/4"	20	117	152	120	210	220	100	100	
1"	25	127	165	120	230	236	100	100	
1-1/2"	40	165	190	240	280	292	140	140	
2"	50	178	216	250	320	353	160	180	
2-1/2"	65	190	241	270	375	404	200	180	
3"	80	203	383	280	445	470	200	225	
4"	100	229	305	300	523	560	225	250	
6"	150	267	403	350	710	753	250	350	
8"	200	292	419	400	920	968	300	400	

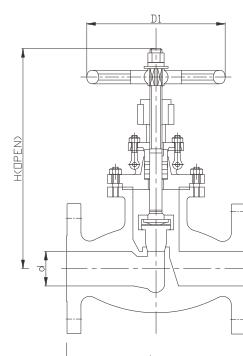
#### 使用 APPLICATION

一般化工业及各种工业管线

FOR GENERAL CHEMICAL AND INDUSTRIAL SERVICES

### 全流量截止阀，法兰连接 Full-flow globe valve, flanged connection ANSI 150LB/300LB/JIS10K/PN16

MODEL : GBF	主体材质 Body material	密封材料 Sealing material	阀芯材质 Valve core material	压力等级 Pressure rating	阀门口径 Valve caliber
1-CF8M	W-本体密封 Body material	1-CF8M	1-150LB RF	<input type="checkbox"/>	
2-CF8	H-2Cr13	2-CF8	2-PN16 RF		
3-WCB	Y-STL	3-WCB	3-JIS 10K RF		
4-CF3M	J-波纹管	4-CF3M	4-300LB RF		
			5-PN40 RF		



#### 规范 STANDARD

设计制造 DESIGN:ANSI B16.34

结构长度 FACE TO FACE:ANSI B16.10/JIS B2002/GB

法兰尺寸 FLANGE DIMENSION:ANSI B16.5/JIS B2238/GB

检验测试 TESTING:API598

#### 尺寸表 DIMENSIONS(mm)

SIZE	d	L			H			D1	
		150LB/ JIS10K	300LB	PN16	150LB/JIS 10K/PN16	300LB	150LB/JIS 10K/PN16	300LB	
1/2"	15	108	152	130	172	188	100	100	
3/4"	20	117	178	150	172	188	100	100	
1"	25	127	203	160	175	190	100	100	
1-1/2"	40	165	229	200	207	236	140	160	
2"	50	203	267	230	232	290	160	180	
2-1/2"	65	216	292	290	273	298	180	200	
3"	80	241	318	310	303	343	200	250	
4"	100	292	356	350	340	398	224	300	
6"	150	406	444	480	448	558	300	400	
8"	200	495	559	600	545	665	355	560	

#### 使用 APPLICATION

一般化工业及各种工业管线

FOR GENERAL CHEMICAL AND INDUSTRIAL SERVICES



创新 · 敬业 · 品质 · 服务  
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## 应用现场 APPLICATION SITE

