

CHEMSUN气动阀门手动机构

Type SD Series

SD系列手轮机构广泛应用于石油，化工，医药，水处理，电厂，核电等行业。

Application: petroleum, chemical, pharmaceutical, water treatment, power plants, nuclear power, etc.



产品主要用途 Main uses of products

本手动机构与气动执行器装配联合使用，用于 90°开启的蝶阀、球阀等实现手动或气动驱动。

The manual mechanism is combined with the pneumatic actuator assembly to realize manual or pneumatic drive for butterfly valves, ball valves, etc. which are opened at 90° degrees.

特点 Characteristic

- 体积小，重量轻，设计合理，样式新颖。
- 产品系列化，输出扭矩与气动装置,各种阀门匹配。
- 涡轮连接内孔有相隔 90°的两个键槽，以便用户根据需要选择装置同阀门的相对位置。
- 提起限位拉环，旋转偏心装置 90°限位销自动限位，实现气动，反之实现手动。
- 产品出厂时，装有专用润滑脂，与阀装配后，整体密封-防尘，防水，防护等级 IP65, IP67, IP68 可选。
- 涡轮箱还可以根据客户要求对产品的速比，使用温度，防护等级，防腐等级进行调整定制。
- It is small in size, light in weight and reasonably in design.
- Products are serialized and output torque is matched with pneumatic devices.
- Turbine connection holes have two keyways 90° degrees apart so that users can choose the relative position of the device with the valve according to their needs.
- Lifting the limit pulling ring, rotating the eccentric device 90° degree limit pin automatic limit, to achieve pneumatic, otherwise to achieve manual.
- Product factory, equipped with special grease, and valve assembly, the overall seal dust-proof, waterproof, protection grade IP65, IP67, IP68 optional.
- The turbine box can also be used according to customer requirements on the product speed ratio use temperature, protection level, anti-corrosion level, Adjust customization.



SD 系列气动阀门手操机构 结构图及主要零部件材料 The structure and main parts material of SD series

序号 No.	名称 Name	材料 Material
1	传动主轴 Drive spindle	合金钢 Alloy steel
2	密封圈 Seal ring	丁腈橡胶 Nitrile rubber
3	卡簧 Reed spring	不锈钢(304) Stainless steel(304)
4	上盖 Upper cover	铝合金 Aluminium alloy
5	紧固件 A fastening	不锈钢(304) Stainless steel(304)
6	定位销 Positioning pin	合金钢 Alloy steel
7	密封圈 Seal ring	丁腈橡胶 Nitrile rubber
8	密封圈 Seal ring	丁腈橡胶 Nitrile rubber
9	蜗轮 Worm gear	球墨铸铁 Nodular cast iron
10	平面轴承 Plane bearing	合金钢 Alloy steel
11	手柄 Handle	不锈钢(304) Stainless steel(304)
12	偏心套 Eccentric sleeve	合金钢 Alloy steel
13	密封圈 Seal ring	丁腈橡胶 Nitrile rubber
14	蜗杆 Worm	合金钢 Alloy steel
15	传动杆 Transmission rod	合金钢 Alloy steel
16	箱体 Box	铝合金 Aluminium alloy

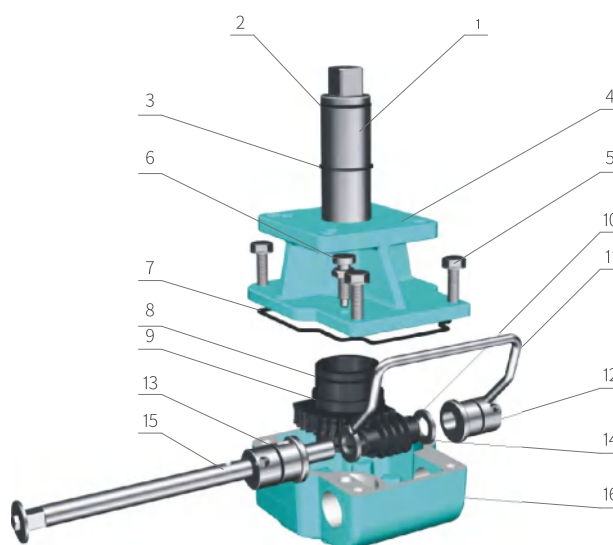
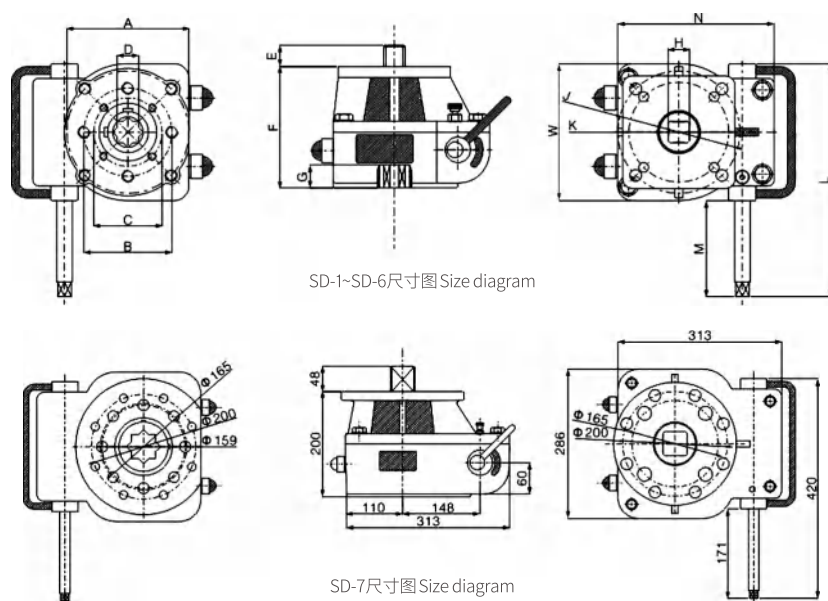


Fig.2: Type SD Series Parts

SD系列气动阀门手操机构技术参数 Technical data of SD series pneumatic valves manual operation mechanism

型号 Type	PTD 双作用 PTD Double-acting	PTS 单作用 PTS Spring-acting	速比 Speed ratio	输出扭矩 Output torque
SD-1	PTD 050-088	PTS 050-075	26 : 1	180
SD-2	PTD 100-125	PTS 088-100	28 : 1	320
SD-3	PTD 125-145	PTS 115-125	38 : 1	680
SD-4	PTD 160-180	PTS 145-180	54 : 1	1200
SD-5	PTD 200-240	PTS 200-240	80 : 1	2100
SD-6	PTD 240-260	PTS 265-330	78 : 1	3000
SD-7	PTD 265-330	PTS 330-420	98 : 1	3800

SD系列气动阀门手操机构连接尺寸表 SD series pneumatic valve hand held mechanism connection size table



单位 Unit: mm

规格型号 Specification model	SD-01	SD-02	SD-03	SD-04	SD-05	SD-06	SD-7
A	F07	F10	F12	F14	F16	F16	F16
B	Φ57	Φ70	Φ89	Φ108	Φ108	Φ159	Φ159
C	F05	F07	F07/F10	F10/F12	F14	F14	Φ200
D	14*14	17*17	22*22	27*27	36*36	46*46	46*46
E	15	19	22	28	38	48	48
F	105	110	130	165	185	200	200
G	20	22	28	32	40	50	50
H	14*14	17*17	22*22	27*27	36*36	46*46	46*46
N	115	135	160	200	244	282	313
W	89.5	125	136	187.5	220	251	286
J	F07	F10	F12	F14	F16	F16	F16
K	F05	F07	F10	F10/F12	F14	/	Φ200
L	180	220	257	330	370	400	420
M	71	92.3	113	147.8	148	158	171
手轮外径 HW DN	Φ180	Φ200	Φ280	Φ320	Φ400	Φ500	Φ600
重量 Weight (kg)	3	4.5	7	13.7	22	30	38