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蝶阀选型									
蝶阀系列					控制部分				
蝶阀材料 Body	蝶阀材料 Disk	蝶阀密封 Seal	连接方式 Connection	连接标准 standard	工作压力 Pressure	控制方式 Control	附件 Annex	供电 Power	防爆等级 Explosion
- 球墨铸铁 Duct - WC3 304 316 316L - PVC - PPH - 合金 Alu	- 球墨铸铁 Duct - 合金 304 304 316 316L - 合金 304/316/316L 316L/316 - 合金 316/316L - 合金	- 氟橡胶 - EPDM - PTFE - 聚四氟乙烯 VITON - 聚氨酯 - 二硫化硅橡胶 - 二硫化硅橡胶 - 其他	- 对夹式 - 法兰式 - 无杆式 - 杠杆式 - 偏心式 - 其他	- ANSI - API - ISO - GB - JB - 其他	- PN1.0 - PN1.6 - PN2.5 - PN4.0 - PN6.3 - PN10.0 - PN16.0 - 其他	- 气动执行器 - 电动执行器 - 气动执行器 - 电动执行器 - 气动执行器 - 电动执行器 - 气动执行器 - 电动执行器 - 气动执行器 - 电动执行器	- 气动执行器 - 电动执行器 - 气动执行器 - 电动执行器 - 气动执行器 - 电动执行器 - 气动执行器 - 电动执行器 - 气动执行器 - 电动执行器	- AC220V - AC380V - DC24V - DC48V - 其他	- 隔爆型 - 增安型 - 本质安全型 - 其他

蝶阀系列 Butterfly valve series

球墨铸铁蝶阀
Duct cast butterfly valve

硬密封蝶阀
Hard seal butterfly valve

高性能蝶阀
High performance butterfly valve

衬氟蝶阀
PTFE butterfly valve

PVC蝶阀
PVC butterfly valve

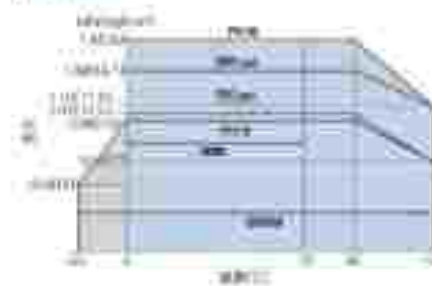
卫生蝶阀
Sanitary butterfly valve

粉末蝶阀
Powder butterfly valve

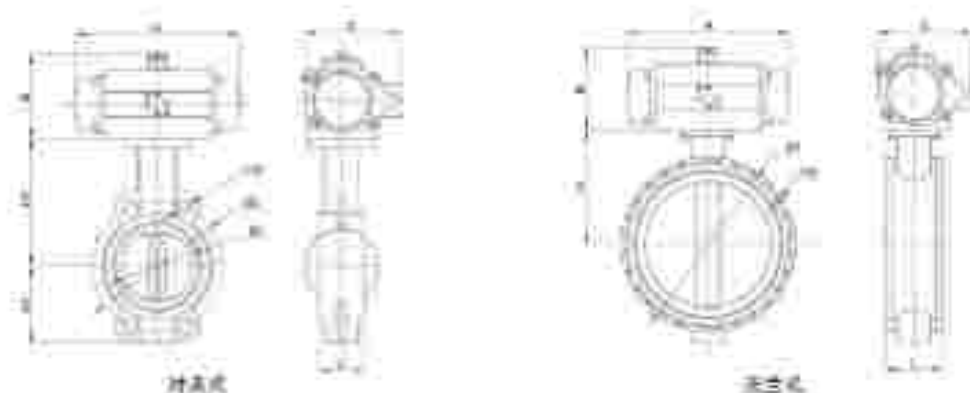
通风蝶阀
Ventilation butterfly valve



New type butterfly valve, unique appearance, compact structure, the 2-way sealing function, not by the media flow control. Can be used as the ligation effect, also can flow regulation. Shell using epoxy resin coating to prevent rust. Through the selection of the valve seat seal ring materials, suitable for different working medium.



纵高尺寸图



对夹式

口径 (mm)	英寸	公称通径尺寸 (mm) PN10/PN16						法兰通径尺寸			出口尺寸	
		L	D1	D2	H1	H2	A+B	A	B	C	法兰面	厚度
50	2	42	52.5	125	142	55	4-16	103	50	75	F100	11
65	2.5	45	64.5	135	152	55	4-16	130	75	81	F100	11
80	3	45	75.5	150	167	55	4-16	133	115	81	F100	11
100	4	52	104.1	180	188	114	8-16	217	137	11	F100	14
125	5	55	125.4	215	223	127	8-16	258	147	125	F100	14
150	6	55	153.3	240	248	128	8-20	288	188	135	F100	14
200	8	60	202.3	295	303	173	8-20/12-20	349	195	200	F100	17
250	10	65	250.3	350.355	358	213	12-20/12-24	387	198	173	F150	22
300	12	75	301.3	400.410	395	243	12-20/12-24	473	229	192	F150	22
350	14	75	354	450.470	395	267	16-20/16-24	509	249	213	F154	27
400	16	85	399	515.525	395	301	16-20/16-27	601	285	243	F154	27
450	18	105	441	565.585	423	341	20-24/20-27	735	333	305	F160	32
500	20	130	492	620.650	475	387	20-24/20-30	738	385	365	F160	32
600	24	151	593	725.770	583	457	25-27/25-33	840	434	415	F200	38

法兰式

英寸 (in)	DN (mm)	尺寸 (mm)				法兰通径尺寸			出口尺寸	
		L	D1	D2	A+B	A	B	C	法兰面	厚度
2"	50	120	108	125	4-16	103	50	75	F100	11
2.5"	65	135	122	145	4-16	130	75	81	F100	11
3"	80	145	134	160	8-16	133	115	81	F100	11
4"	100	155	152	180	8-16	217	137	11	F100	14
5"	125	170	160	210	8-16	258	147	125	F100	14
6"	150	185	175	240	8-20	288	188	135	F100	14
8"	200	205	195	295	8-20/12-20	349	195	200	F100	17
10"	250	225	215	350.355	12-20/12-24	387	198	173	F150	22
12"	300	250	239	400.410	12-20/12-24	473	229	192	F150	22
14"	350	275	265	450.470	16-20/16-24	509	249	213	F154	27
16"	400	295	285	515.525	16-20/16-27	601	285	243	F154	27
18"	450	320	310	565.585	20-24/20-27	735	333	305	F160	32
20"	500	345	335	620.650	20-24/20-30	738	385	365	F160	32
24"	600	375	367	725.770	25-27/25-33	840	434	415	F200	38

中压蝶阀对国标法兰尺寸表

DN	吋	阀体材料	密封材料	PN10 法兰				PN16 法兰				
				材料	螺栓孔中心距	螺栓孔直径	法兰厚度	材料	螺栓孔中心距	螺栓孔直径	法兰厚度	
40	1.5	HT	HT	130	110	8+M16	120	18	130	110	8+M16	20
50	2	HT	HT	140	120	8+M16	130	18	140	120	8+M16	20
65	2.5	HT	HT	150	130	8+M16	140	20	150	130	8+M16	24
80	3	HT	HT	160	140	8+M16	150	20	160	140	8+M16	24
100	4	HT	HT	180	160	8+M16	170	22	180	160	8+M16	28
125	5	HT	HT	200	180	8+M16	190	24	200	180	8+M16	30
150	6	HT	HT	220	200	8+M20	210	24	220	200	8+M20	30
200	8	HT	HT	260	240	8+M20	250	24	260	240	12+M20	35
250	10	HT	HT	300	280	12+M20	290	28	300	280	12+M20	40
300	12	HT	HT	340	320	12+M20	330	28	340	320	12+M20	40
350	14	HT	HT	380	360	16+M20	370	28	380	360	16+M20	40
400	16	HT	HT	420	400	20+M20	390	30	420	400	20+M20	40
450	18	HT	HT	460	440	24+M20	410	30	460	440	24+M20	40
500	20	HT	HT	500	480	28+M20	450	32	500	480	28+M20	40
600	24	HT	HT	580	560	36+M20	530	36	580	560	36+M20	40
700	28	HT	HT	660	640	44+M20	610	36	660	640	44+M20	40
800	32	HT	HT	740	720	52+M20	690	36	740	720	52+M20	40
900	36	HT	HT	820	800	60+M20	770	36	820	800	60+M20	40
1000	40	HT	HT	900	880	68+M20	850	36	900	880	68+M20	40

规格 DN	材料材质		重量 (kg)		重量 (kg)		重量 (kg)		重量 (kg)		重量 (kg)	
	PN10	PN16	材料重量	内衬重量	法兰重量	阀体重量	阀座重量	阀杆重量	密封重量	密封重量	密封重量	密封重量
DN25	10	10	1.1	-	-	0.2	0.2	1.15	PCAD25	1.18	PCB-25	2.5
DN40	12	12	1.2	-	-	0.2	0.2	1.15	PCAD40	1.18	PCB-40	2.5
DN50	15	15	2.5	0.8	0.8	0.2	0.2	1.15	PCAD50	1.18	PCB-50	2.5
DN65	20	20	3.4	0.7	11.8	0.4	0.2	1.15	PCAD65	2.2	PCB-65	2.5
DN80	25	25	4.0	0.2	13.1	0.4	0.2	1.15	PCAD80	2.2	PCB-80	2.5
DN100	32	32	4.0	0.2	13.5	0.4	0.2	1.15	PCAD100	2.1	PCB-100	2.7
DN125	40	40	7.0	0.2	18.9	0.7	0.2	1.75	PCAD125	4.3	PCB-125	3.7
DN150	50	50	8.0	12.2	22.8	0.7	0.2	1.75	PCAD150	5.7	PCB-150	3.7
DN200	65	65	14.2	19.8	37.8	-	0.8	4.0	PCAD200	8.9	PCB-200	6.0
DN250	80	80	21.3	28.8	55.8	-	0.8	4.0	PCAD250	13.0	PCB-250	8.0
DN300	100	100	30.7	38.8	68.8	-	1.2	5.0	PCAD300	20.1	PCB-300	9.0
DN350	125	125	40.3	60.3	83.3	-	1.2	-	PCAD350	30.1	PCB-350	12.0
DN400	150	150	50.3	72.3	103.3	-	1.2	-	PCAD400	40.3	PCB-400	12.0
DN450	175	175	60.3	84.3	123.3	-	1.2	-	PCAD450	50.3	PCB-450	12.0
DN500	200	200	70.3	96.3	143.3	-	1.2	-	PCAD500	60.3	PCB-500	12.0
DN600	250	250	120.3	146.3	243.3	-	1.2	-	PCAD600	100.3	PCB-600	12.0
DN700	300	300	170.3	206.3	293.3	-	1.2	-	PCAD700	150.3	PCB-700	12.0
DN800	350	350	220.3	266.3	343.3	-	1.2	-	PCAD800	200.3	PCB-800	12.0
DN900	400	400	270.3	326.3	393.3	-	1.2	-	PCAD900	250.3	PCB-900	12.0
DN1000	450	450	320.3	386.3	443.3	-	1.2	-	PCAD1000	300.3	PCB-1000	12.0

PVC 塑胶软管规格从 1 厘米至 10 厘米均可生产，耐酸性强，体积小，重量轻，卫生无毒，连接更换方便。
PVC plastic softflex tube according to different medium has a variety of optimal material, corrosion resistance is strong and volume, light weight, health non-toxic material. Easy maintenance and replacement.



设计标准:
设计标准: GB12238
连接标准: GB791-84, GB1131-88
结构长度: GB12235
压力等级: GB1501.3-82

温度范围: -30℃ ~ +30℃
 连接地址: 12VDC, CAN, RS485, RS232
 信号特性: 高电压 5V
 信号介质: 水、液体、气体、固体、粉末、膏状、强腐蚀性介质
 测量范围: 小于 0.0001% 以下 (ANALOG 104-1330)
 注: 原理、应用、选型请参考技术说明 21110

Valve body
Body material: UPVC, CPVC, PEH, PP, PTFE
Connection type: Wafer
Pressure class: PN1.0/1.6/2.5/4.0/6.3/10.0/16.0
Straddle: Wafer type

Design and Manufacturing standards
Design and manufacture
Connection standard: ISO 5175-04, ANSI 15.1-05
Structure length: ISO 2221
Pressure testing: GB/T 13007

Valve components
Seat lining: EPDM, CO-PP
Oval gasket: UPVC, CPVC, PEH, PTFE
Overs material: SS410
Applicable medium: Water, liquid gas, oil, powder, slurry, acid and corrosive medium
(Note: The only media (gas, acid material) that exceeds 24000 are shown in table P110)

类型 type	控制方式 Control type	位置 Position
气源控制阀 Flow rate control valve	双位阀 Double acting	进气开、排气关、气源故障保持 Failure to maintain
	带排气旁通式 Niger adding normally open	常开式、进气开、排气关、气源故障排气 Failure to shut
	带排气旁通式 Niger adding normally open	常开式、进气关、排气开、气源故障排气 Failure to open
	可锁闭阀 Closable assemblies	进气常闭阀、排气常开、空气过滤器减压、电气过滤器、气源故障保持排气以及压差 exhaust valve, dry control, air filter inlet pressure valve, pressure differential device
流量控制阀 Flow rate control valve	反馈型 ON OFF type	流量信号、有源信号、无源触点信号、电压、4-20mA Feedback the flow signal, positive contact signal, negative, 4-20mA
	调节型 Regulation type	输入输出信号、4-20mA、0-10V、1-5V、可调、MOODU、PREFRUE 流量限制 Input and output signal, 4-20mA, 0-10V, 1-5V, adjustable, MOODU, PREFRUE flow limit
	浮球控制阀 Ball operation	浮球型、浮球控制阀的浮球、调节型以及 MOODU、PREFRUE 流量限制 The float, float control valve regulator and MOODU, PREFRUE flow limit
	浮球控制阀 浮球控制阀的浮球 Ball operation, Ball operation	浮球型、浮球控制阀的浮球、调节型以及 MOODU、PREFRUE 流量限制 The float, float control valve regulator and MOODU, PREFRUE flow limit

Technical drawing of the 1000 series ball valve, showing front, side, and top views with dimensions.

尺寸 (mm)	20	25	30	40	50	60	70	80	90	100
20	50	55	60	65	70	75	80	85	90	95
	100	110	120	130	140	150	160	170	180	190
30	75	85	95	105	115	125	135	145	155	165
	150	165	180	195	210	225	240	255	270	285
40	100	115	130	145	160	175	190	205	220	235
	200	220	240	260	280	300	320	340	360	380
50	125	145	165	185	205	225	245	265	285	305
	250	275	300	325	350	375	400	425	450	475
60	150	175	200	225	250	275	300	325	350	375
	300	330	360	390	420	450	480	510	540	570
70	175	205	235	265	295	325	355	385	415	445
	350	385	420	455	490	525	560	595	630	665
80	200	235	270	305	340	375	410	445	480	515
	400	440	480	520	560	600	640	680	720	760
90	225	265	305	345	385	425	465	505	545	585
	450	495	540	585	630	675	720	765	810	855
100	250	295	340	385	430	475	520	565	610	655
	500	550	600	650	700	750	800	850	900	950

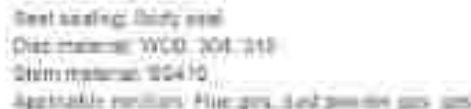
High performance eccentric butterfly valve seat using PTFE material, suitable for gas transmission and high technological medium to save the equipment, up to one million times life. Seat is ambie inserts, without increasing the O-ring and metal components to oil sealing, large diameter and more tightly, the greater the pressure, the better sealing performance. (2) valve sealing structure can compensated for the temperature and pressure on the valve sealing chamber.



Applicable medium: Osmotic, trypan, high vacuum and corrosion medium, use at high frequency.

DN	PN 4 (mm)					
	L	D	H	A	B	C
25	48	100	275	217	127	111
32	49	102	278	224	147	122
40	54	104	281	226	147	122
50	69	129	302	256	185	138
65	87	161	356	348	183	163
80	94	188	404	397	198	173
100	111	200	460	475	221	182
125	131	230	532	582	248	211
150	142	275	601	601	288	242
200	172	342	732	732	388	308
250	194	378	802	738	488	368
300	227	425	887	738	588	408
350	254	468	1181	842	634	438
400	267	514	1307	842	634	438

Ventilation butterfly valve midline structure, using steel plate bonding with two flange welded design and bakelite, the edge of the plate and the steel not contact, leaving a small gap, lightweight, simple structure, convenient installation.

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该设备结构材料是意大利公司开发的专门用于粉体/颗粒物料工业产品。该设备同时能输送干材料、可膨胀颗粒或粉末状物，适用于气力送料和气体输送系统；粉体颗粒的干燥、密封于料斗、混合、颗粒输送出口。Pneumatic powder handling valve was for powder particle materials of industrial products, indirectly pipe lined with wear-resisting molecular materials which used with wear-resisting seals, suitable for granule blanking and gas conveying of powder / particle materials handling systems, installed in the hopper, silos, screw conveyor outlet.



品牌型号: ON10C-2H400
 网络状况: 以太网/无线
 安装方式: 固定式、移动式(无线网桥模式以固定安装为主)
 供电电压: PT424Vps
 传输形式: 有线/无线

投稿地址: 4254 中国邮政
 编辑电话: 编辑部负责编辑及发行工作
 编辑地址: 中国邮政 4254
 编辑邮编: 1000 北京, 中国邮政, 中国邮政, 中国邮政

Material (Billet): 7075-T6 ALUMINUM
Body material: Disk casting aluminum alloy
Connection: double flange, single flange (with extended connecting ring to soft casting)
Minimum stress: 10% TENSILE
Structure: double V groove

Approximate method: Powder, particulate material, cement mixing station, factory etc.

[illegible]

Tag	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
00000	95	100	200	400	200	115	55	22 × 18	6 × 14	4 × 20	220	22° 50'	40	00	M10	00	M10	4
00100	190	200	300	165	290	215	55	22 × 18	6 × 14	4 × 20	220	22° 50'	40	00	M10	00	M10	5
00200	290	290	375	215	340	115	55	22 × 18	6 × 14	6 × 20	270	22° 50'	40	00	M12	00	M10	6.5
00300	390	300	325	285	390	115	55	22 × 18	6 × 14	8 × 20	320	11° 15'	40	00	M12	00	M10	7.5
00400	340	000	375	215	440	115	55	22 × 18	6 × 14	10 × 20	270	0° 45'	40	00	M12	00	M10	8
00500	340	400	440	300	030	120	55	25 × 20	6 × 14	10 × 20	440	10°	40	00	M12	—	—	10
00600	400	070	500	415	500	120	55	25 × 25	6 × 14	10 × 20	500	0°	40	00	M12	—	—	20.5

Type	A	E	C	E	F	G	H	H	P	T	x	T	U	V	Z	Kg
08100	65	100	250	250	27	34	22 × 14	4 × 14	4 × 20	250	20° 30'	60	M12	60	M12	4
08150	100	100	320	280	27	38	22 × 14	4 × 14	4 × 20	330	20° 30'	60	M12	60	M12	5
08250	250	250	270	340	27	45	22 × 14	4 × 14	4 × 20	270	20° 30'	60	M12	50	M12	4.5
08255	250	300	320	300	27	48	22 × 14	8 × 14	8 × 20	325	11° 18'	60	M12	60	M12	7.8
08300	300	300	370	400	27	58	22 × 14	8 × 14	8 × 20	675	5° 41'	60	M12	60	M12	5
08350	350	400	440	520	40	80	28 × 20	8 × 14	10 × 20	440	10°	60	M12	-	-	18
08400	400	450	500	500	40	90	28 × 20	8 × 14	10 × 20	520	6° 30'	60	M12	-	-	20.5

Sanitary butterfly valve through precise inspection process and strict quality management, valve body and outside polished and sterilized. Water and oiling cut-off type. With pneumatic actuator and electric actuator to realize automatic control.



产品概述 Product overview

全副密封三偏心球阀，阀门密封时球体与阀座间几乎无摩擦，杜绝了普通阀门开闭时的磨损现象，从而最大限度地减少磨损，高达 90 度密封。最高可耐压 100.1，密封球体结构，全副密封不漏。

MMs) sealing style butterfly valve, butterfly valve opening and closing between the plate and the valve seat is almost no wear and tear, to eliminate the control valve opening and closing phenomenon, from 0 degree to start into the adjustment area, until 90 degrees full open. The maximum adjustment rate 100.1, can be used for cutting, also can be used for regulating valve.



标准技术参数

阀体

公称口径: DN50-DN1000
阀体材质: WCB, 304, 316
连接形式: 对夹式, 法兰式
压力等级: PN1.0MPa, PN1.6MPa, PN2.5MPa
结构形式: 三偏心结构
适用介质: 清水、污水、蒸汽、油品、腐蚀性介质

设计制造标准

设计标准: GB/T12221-1999
结构标准: GB/T12221-2005
压力标准: GB/T12221-2005
密封标准: GB/T12221-1999

阀内件

阀座密封: 聚四氟乙烯, 聚氨酯, 橡胶
球体材质: WCB, 304, 316
球体密封: 304
适用介质: 水、油、气、蒸汽、腐蚀性介质、浆料等

Standard technical parameters

Valve body:

Nominal diameter: DN50-DN1000
Body material: WCB, 304, 316
Connection: Wafer, Flange type
Pressure class: PN1.0MPa, PN1.6MPa, PN2.5MPa
Structure: Triple eccentric

Design and manufacturing standards

Design and manufacturing: GB/T12221-1999
Structure length: GB/T12221-2005
Pressure test: GB/T12221-2005
Certificate standard: GB/T12221-1999

Valve components

Seat sealing: Hard metal, Teflon, urethane, rubber etc.
Ball material: WCB, 304, 316
Ball material: 304
Applicable medium: liquid, gas, steam, high temperature medium, solid, slurry medium

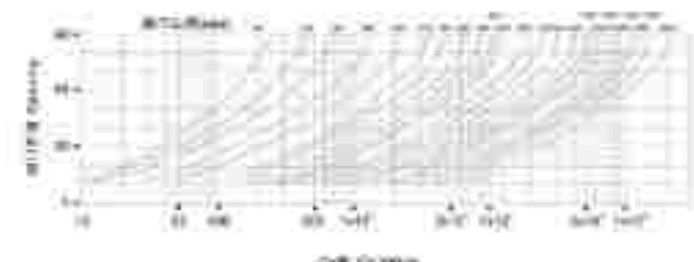
执行机构

类型 Type	控制方式 Control type	故障 Failure
气动执行器 Pneumatic actuator	双作用 Double acting	供气开, 供气关, 无故障故障
	单作用常开式 Single acting normally open	供气开, 供气关, 供气关, 供气故障故障
	单作用常闭式 Single acting normally close	供气开, 供气关, 供气开, 供气故障故障
	可逆式 Reversible	供气开, 供气关, 供气开, 供气关, 供气故障故障
电动执行器 Electric actuator	开/关型 ON/OFF type	供气开, 供气关, 供气开, 供气关, 供气故障故障
	调节型 Regulating type	供气开, 供气关, 供气开, 供气关, 供气故障故障
	故障安全型 Fail safe type	供气开, 供气关, 供气开, 供气关, 供气故障故障
	故障保持型 Fail hold type	供气开, 供气关, 供气开, 供气关, 供气故障故障

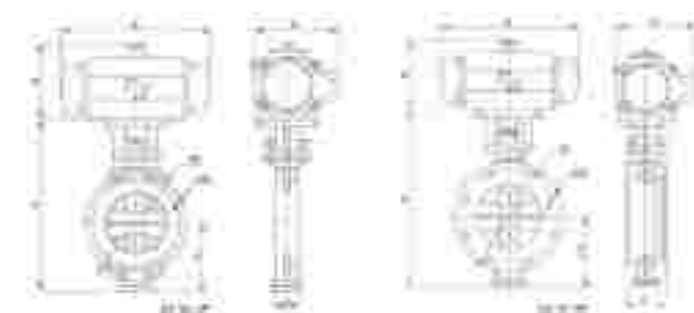
三偏心球阀结构图



流量特性曲线图



全副密封球阀尺寸



口径 Size	系列 Series	公称口径 DN50-DN1000						公称口径 DN50-DN1000						执行器尺寸		
		L	H	H1	H2	H3	H4	L	H	H1	H2	H3	H4	A	B	C
DN50	1	40	140	90	100	110	120	40	140	90	100	110	120	12	117	117
DN65	2	45	150	100	110	120	130	45	150	100	110	120	130	12	127	127
DN80	3	50	160	110	120	130	140	50	160	110	120	130	140	12	137	137
DN100	4	55	170	120	130	140	150	55	170	120	130	140	150	12	147	147
DN125	5	65	180	130	140	150	160	65	180	130	140	150	160	12	157	157
DN150	6	75	190	140	150	160	170	75	190	140	150	160	170	12	167	167
DN200	7	90	210	160	170	180	190	90	210	160	170	180	190	12	187	187
DN250	8	105	230	180	190	200	210	105	230	180	190	200	210	12	207	207
DN300	9	120	250	200	210	220	230	120	250	200	210	220	230	12	227	227
DN350	10	135	270	220	230	240	250	135	270	220	230	240	250	12	247	247
DN400	11	150	290	240	250	260	270	150	290	240	250	260	270	12	267	267
DN450	12	165	310	260	270	280	290	165	310	260	270	280	290	12	287	287
DN500	13	180	330	280	290	300	310	180	330	280	290	300	310	12	307	307
DN600	14	200	350	300	310	320	330	200	350	300	310	320	330	12	327	327
DN700	15	220	370	320	330	340	350	220	370	320	330	340	350	12	347	347
DN800	16	240	390	340	350	360	370	240	390	340	350	360	370	12	367	367
DN900	17	260	410	360	370	380	390	260	410	360	370	380	390	12	387	387
DN1000	18	280	430	380	390	400	410	280	430	380	390	400	410	12	407	407

球阀系列
Ball valve series

High pressure cell made



产品概述 Product overview

普雷沃球阀系列采用球面密封结构，垂直平台设计，执行器与球体连接无支架与连接轴，可以作为开关控制作用，也可作为流量调节作用。通过调整球体，球体材料适用于不同工况介质。控制部分采用电动执行器，气液双向密封结构及设计。Ball valve using ball or precision casting, high platform design, which connected with the actuator without bracket and connecting shaft, can be used as a switch function effect, also can be used as flow control function. Through selection of the valve body, seat materials suitable for different working medium. The control part adopts electric actuator, pneumatic actuator to achieve automatic control.



系列	系列 ID	系列 ASME	系列 DIN	系列 JIS
设计制造 Design	GB/T 2187-1985	ASME B16.34 API 606	DIN 3055/1 DIN 12018-1	ASME B16.34 API 606
球体材质 Ball body	PN15-PN40	ASME B16.34 CLASS 150 ASME B16.34 CLASS 300	DIN 3055/1 PN 10/PN 16 PN 15/PN 40	JIS B2001 15K JIS B2001 20K
密封结构 Face to face	GB/T 12223	ASME B16.34	DIN 3055	JIS B2001
法兰尺寸 End Flange	GB/T 12224-1999	ASME B16.5	DIN 2545-2548	JIS B2212 JIS B2214
制造与试验 Inspection Testing	GB/T 13027	API 598	DIN 32013	JIS B2010
安全认证 Fire safe	API 607	API 607 4th Edition	API 607 4th Edition	API 607 4th Edition

标准技术参数

阀体

公称通径: DN15-DN200
阀体材质: WCB, 304, 316, 316L
连接形式: 法兰连接, 内螺纹, 外螺纹, 焊接
压力等级: PN15-4.0MPa
结构形式: 浮动球阀

阀内件

阀座密封: RTFE, 30° - 180°, NPL, 20° - 220°
阀芯材质: 304, 316, 316L
密封材质: 304
适用介质: 水, 油, 蒸汽等

性能

防火结构设计
ISO5211 标准及通用执行器安装
球体与阀体之间密封面采用
密封结构及设计
球体密封材料: 符合 ISO 5211-1:2001
球体密封面采用密封结构及设计
密封压力: 小于公称压力 1.04MPa
密封等级: 零泄漏
寿命: >100000

Standard technical parameters

Valve body

Nominal diameter: DN15-DN200
Body material: WCB, 304, 316, 316L
Connection: Flange
Pressure class: PN15-4.0MPa
Structure: Float ball valve

Valve components

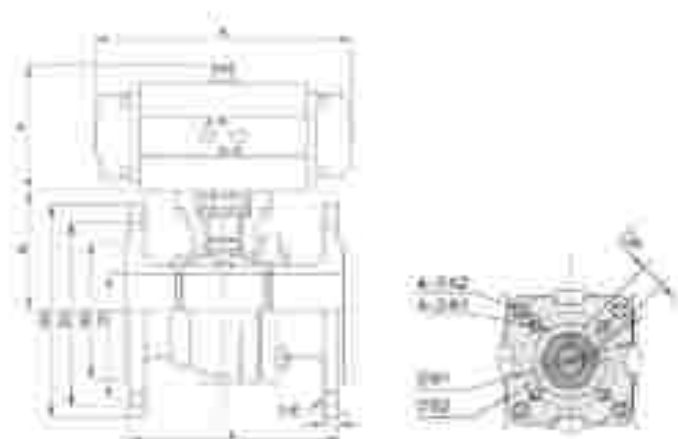
Seat testing: RTFE, 30° - 180°, NPL, 20° - 220°
Core material: 304, 316, 316L
Seal material: 304
Applicable medium: Water, oil, steam, etc.

Performance

Fire protection design
ISO5211 standard and universal actuator
Automatic seal between the core and valve body
Ball-seal structure design
Double seal testing conforms to the German TÜV TA-LUFT when leakage test
Highly butterfly-shaped spring automatic compression locking design
Allow pressure differential less than nominal pressure 1.04MPa
Leakage: Zero leakage
Return difference: <2.0%

执行机构

系列 type	控制方式 Control type	功能 Function
气动执行器 Pneumatic actuator	双作用 Double acting	进气开, 进气关, 气源故障保持 Failure to maintain
	单作用常闭式 Single acting normally closed	进气开, 进气关, 气源故障保持 Failure to close
	单作用常开式 Single acting normally open	进气开, 进气关, 气源故障保持 Failure to open
	可锁闭式 Optional lockable	进气开, 进气关, 气源故障保持, 电气故障保持, 手动操作 Lockable valve, 3rd control, air flow control, manual valve, positioner, Manual release
电动执行器 Electric actuator	开关型 On-Off type	反馈信号, 有源信号, 无源信号, 电压, 4-20mA Feedback, the action signal, passive contact signal, resistance: 4-20mA
	调节型 Regulation type	输入输出信号: 4-20mA, 0-10V, 1-5V, 开关, MODBUS, PROFIBUS 现场总线 Input and output signal: 4-20mA, 0-10V, 1-5V, switch, MODBUS, PROFIBUS field bus
	故障检测报警 Fault detection	集成块, 故障检测报警, 报警信号, MODBUS, PROFIBUS 现场总线 The fault, fault detection, alarm signal, MODBUS, PROFIBUS field bus
	可逆控制 Reversible control	可逆控制, 故障检测报警, 报警信号, MODBUS, PROFIBUS 现场总线 Reversible control, fault detection, alarm signal, MODBUS, PROFIBUS field bus



G8 规格尺寸

规格 (mm)	英寸	功率 kW	尺寸 (mm)										重量 kg	绝缘 KV	IS0228				
			L	D1	D2	D3	D4	T	H	h-g	P	A			21	22	A1	A2	P
15	1/2	1.5 2.2 3.0	110	15	48	65	55	14	45	4-14	38	148	23	2.2	38	42	5	8	5
20	3/4		130	20	55	75	65	15	52	5-14	45	165	38	3	45	42	5	8	5
25	1		140	25	65	85	75	15	58	5-14	51	180	45	3.8	42	50	5	7	11
32	1 1/4		160	32	75	100	90	18	71	4-18	71	195	85	5.5	42	50	5	7	11
40	1 1/2		180	38	84	110	100	18	75	4-18	77	177	145	7.5	52	55	5	8	14
50	2	1.5 2.2 3.0 4.0 5.5	200	50	98	125	115	20	85	4-18	87	188	230	10.5	55	58	5	8	14
55	2 1/2		220	55	118	144	135	20	101.4	5-18	165	205	408	13.8	70	80	5	11	17
60	3		240	60	130	160	150	20	111.5	5-18	180	210	575	14.5	75	100	5	11	17
70	3 1/2		260	70	140	170	160	20	121.5	5-18	190	210	640	15.5	75	100	5	11	17
80	4		280	80	150	180	170	20	131.5	5-18	200	210	705	16.5	75	100	5	11	17
100	4	1.5 2.2 3.0 4.0 5.5	300	100	160	190	180	20	141.5	5-18	210	210	770	17.5	75	100	5	11	17
125	5		350	125	190	220	210	20	161.5	5-18	220	210	835	18.5	75	100	5	11	17
150	6		400	150	210	240	230	20	181.5	5-18	230	210	900	19.5	75	100	5	11	17
175	7		450	175	230	260	250	20	201.5	5-18	240	210	965	20.5	75	100	5	11	17
200	8		500	200	250	280	270	20	221.5	5-18	250	210	1030	21.5	75	100	5	11	17

ANSI 规格尺寸

规格 (mm)	英寸	功率 kW	150L 尺寸 (mm)										300L 尺寸 (mm)										重量 kg	绝缘 KV	IS0228
			L	D1	D2	D3	D4	T	H	h-g	P	A	L	D1	D2	D3	D4	T	H	h-g	P	A			
15	1/2	1.5	110	15	48	65	55	14	45	4-14	38	148	110	15	48	65	55	14	45	4-14	38	148	23	2.2	38
20	3/4	2.2	130	20	55	75	65	15	52	5-14	45	165	130	20	55	75	65	15	52	5-14	45	165	38	3	45
25	1	3.0	140	25	65	85	75	15	58	5-14	51	180	140	25	65	85	75	15	58	5-14	51	180	45	3.8	42
32	1 1/4	4.0	160	32	75	100	90	18	71	4-18	71	195	160	32	75	100	90	18	71	4-18	71	195	85	5.5	42
40	1 1/2	5.5	180	38	84	110	100	18	75	4-18	77	177	180	38	84	110	100	18	75	4-18	77	177	145	7.5	52
50	2	7.5	200	50	98	125	115	20	85	4-18	87	188	200	50	98	125	115	20	85	4-18	87	188	230	10.5	55
55	2 1/2	10.0	220	55	118	144	135	20	101.4	5-18	165	205	220	55	118	144	135	20	101.4	5-18	165	205	408	13.8	70
60	3	13.0	240	60	130	160	150	20	111.5	5-18	180	210	240	60	130	160	150	20	111.5	5-18	180	210	575	14.5	75
70	3 1/2	16.0	260	70	140	170	160	20	121.5	5-18	190	210	260	70	140	170	160	20	121.5	5-18	190	210	640	15.5	75
80	4	19.0	280	80	150	180	170	20	131.5	5-18	200	210	280	80	150	180	170	20	131.5	5-18	200	210	705	16.5	75
100	4	25.0	300	100	160	190	180	20	141.5	5-18	210	210	300	100	160	190	180	20	141.5	5-18	210	210	770	17.5	75
125	5	33.0	350	125	190	220	210	20	161.5	5-18	220	210	350	125	190	220	210	20	161.5	5-18	220	210	835	18.5	75
150	6	40.0	400	150	210	240	230	20	181.5	5-18	230	210	400	150	210	240	230	20	181.5	5-18	230	210	900	19.5	75
175	7	47.0	450	175	230	260	250	20	201.5	5-18	240	210	450	175	230	260	250	20	201.5	5-18	240	210	965	20.5	75
200	8	55.0	500	200	250	280	270	20	221.5	5-18	250	210	500	200	250	280	270	20	221.5	5-18	250	210	1030	21.5	75

JIS 规格尺寸

规格 (mm)	英寸	功率 kW	150L 尺寸 (mm)										300L 尺寸 (mm)										重量 kg	绝缘 KV	IS0228
			L	D1	D2	D3	D4	T	H	h-g	P	A	L	D1	D2	D3	D4	T	H	h-g	P	A			
15	1/2	1.5	110	15	48	65	55	14	45	4-14	38	148	110	15	48	65	55	14	45	4-14	38	148	23	2.2	38
20	3/4	2.2	130	20	55	75	65	15	52	5-14	45	165	130	20	55	75	65	15	52	5-14	45	165	38	3	45
25	1	3.0	140	25	65	85	75	15	58	5-14	51	180	140	25	65	85	75	15	58	5-14	51	180	45	3.8	42
32	1 1/4	4.0	160	32	75	100	90	18	71	4-18	71	195	160	32	75	100	90	18	71	4-18	71	195	85	5.5	42
40	1 1/2	5.5	180	38	84	110	100	18	75	4-18	77	177	180	38	84	110	100	18	75	4-18	77	177	145	7.5	52
50	2	7.5	200	50	98	125	115	20	85	4-18	87	188	200	50	98	125	115	20	85	4-18	87	188	230	10.5	55
55	2 1/2	10.0	220	55	118	144	135	20	101.4	5-18	165	205	220	55	118	144	135	20	101.4	5-18	165	205	408	13.8	70
60	3	13.0	240	60	130	160	150	20	111.5	5-18	180	210	240	60	130	160	150	20	111.5	5-18	180	210	575	14.5	75
70	3 1/2	16.0	260	70	140	170	160	20	121.5	5-18	190	210	260	70	140	170	160	20	121.5	5-18	190	210	640	15.5	75
80	4	19.0	280	80	150	180	170	20	131.5	5-18	200	210	280	80	150	180	170	20	131.5	5-18	200	210	705	16.5	75
100	4	25.0	300	100	160	190	180	20	141.5	5-18	210	210	300	100	160	190	180	20	141.5	5-18	210	210	770	17.5	75
125	5	33.0	350	125	190	220	210	20	161.5	5-18	220	210	350	125	190	220	210	20	161.5	5-18	220	210	835	18.5	75
150	6	40.0	400	150	210	240	230	20	181.5	5-18	230	210	400	150	210	240	230	20	181.5	5-18	230	210	900	19.5	75
175	7	47.0	450	175	230	260	250	20	201.5	5-18	240	210	450	175	230	260	250	20	201.5	5-18	240	210	965	20.5	75
200	8	55.0	500	200	250	280	270	20	221.5	5-18	250	210	500	200	250	280	270	20	221.5	5-18	250	210	1030	21.5	75

DIN 规格尺寸

规格 (mm)	英寸	功率 (kW)	尺寸 (mm)								重量 (kg)	绝缘 (V)			
			L	D1	D2	D3	D4	T	H	h-g					
15	1/2	1.5	110	15	45	65	55	14	45	4-14	38	148	23	2.2	38
20	3/4	1.5	120	20	55	75	100	15	52	5-15	45	165	38	3	45
		2.2	130												
25	1	1.5	125	25	65	85	105	15	58	5-15	51	180	45	3.8	42
		2.2	135												
32	1 1/4	1.5	130	32	75	100	130	15	71	4-15	71	195	85	5.5	42
		2.2	140												
40	1 1/2	1.5	140	38	85	110	130	15	75	4-15	77	177	145	7.5	52
		2.2	150												
50	2	1.5	150	50	100	125	135	15	85	4-15	87	188	230	10.5	55
		2.2	160												
55	2 1/2	1.5	150	55	120	140	135	15	101.4	5-15	165	205	408	13.8	70
		2.2	160												
60	3	1.5	160	60	130	160	150	15	111.5	5-15	180	210	575	14.5	75
		2.2	170												
70	3 1/2	1.5	160	70	140	170	160	15	121.5	5-15	190	210	640	15.5	75
		2.2	170												
80	4	1.5	160	80	150	180	170	15	131.5	5-15	200	210	705	16.5	75
		2.2	170												
100	4	1.5	160	100	160	190	210	15	141.5	5-15	210	210	770	18.5	75
		2.2	170												
125	5	1.5	160	125	180	210	230	15	151.5	5-15	220	210	840	20.5	75
		2.2	170												
150	6	1.5	160	150	210	240	250	15	161.5	5-15	230	210	910	22.5	75
		2.2	170												
200	8	1.5	160	200	240	280	300	15	181.5	5-15	250	210	1080	26.5	75
		2.2	170												
250	10	1.5	160	250	270	310	330	15	191.5	5-15	270	210	1250	29.5	75
		2.2	170												
300	12	1.5	160	300	290	330	350	15	201.5	5-15	290	210	1420	32.5	75
		2.2	170												
350	14	1.5	160	350	310	350	370	15	211.5	5-15	310	210	1590	35.5	75
		2.2	170												
400	16	1.5	160	400	330	370	390	15	221.5	5-15	330	210	1760	38.5	75
		2.2	170												

Three piece ball valve series is divided into three piece threaded ball valve, three piece welded ball valve, three piece clamp ball valve. Pressure casting body, high platform design, accord with ISO5211 standard, direct mounting pneumatic actuator, electric actuator to realize automatic control.



V-type ball valve is a spherical valve channel is designed to a open "V" shape of the valve, with accurate flow characteristic and control function. Through 0-90 degree rotation, to achieve the adjustment of the flow rate. No clearance friction between the valve seat and spherical surface, with excellent shut force and self-cleaning ability, especially suitable for fluid medium with fibers or solid particles.



This ball valve short body suitable for a large number of pipeline valves, economic, ball valve fully closed when spherical, the media through a short time, small resistance. Valve body precision casting, high platform (50621) standard, can be directly installed with actuator.



控制信号: ON/5-ON/20
 媒体材质: PVC, 50x, 3/6
 控制方式: 电脑控制式
 压力范围: 171.3-1.0MPa
 控制形式: 手动控制

设计标准: QJ/T 2822-1998
结构形式: J375
散光测试: A/10CF 4 和 1000
设计单位: QM/1/2022-1998

使用温度：-70℃～+180℃，IP67；-90℃～+260℃
面板厚度：30A、31E、31H
材料材质：不锈钢316L、304
使用介质：水、液体、气体、蒸汽、酸液、高浓度溶液、油、蜡油、泥浆、腐蚀性液体等（见P11）

防虫结构设计
ID Design | 集成表挂与椅内容设置
镂空座椅设计-同层相邻位置
座椅功能土建设计
某地新建综合科教学楼(12000m²)、报告厅、图书馆、校办企业等建筑室内设计

Internal (Barometer) CPT-5-CPT-11
 Body material: WCB, 304, 316
 Connection: Flange/weld type
 Pressure class: ANSI 2-4 500psi
 Structure: Float ball valve

Design and manufacture: GBT 12237/PMO
Connection apparatus: J&N
Fly lev: A7980-4 to 1995
Process: Index: GBT 12237-1992

Conc. media at 304,318,332,
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For protection design:
 (1) student needs including needs
 Addressed based on the core and safe body
 Core support and device
 Double when packing conforms to the German TÜV B&LFI, where
 forage test
 Authority address system from authority, communication address needs

类型 Type	控制方式 Control type	功能 Function
气源控制阀 Pneumatic actuator	双作用 Double acting	进气开, 排气关, 气源故障保持 Failure to maintain
	有耗气型常闭 Norge-acting normally closed	气关式, 进气开, 排气关, 气源故障关闭 Failure to open
	有耗气型常开 Norge-acting normally open	气关式, 进气关, 排气开, 气源故障打开 Failure to open
	可锁闭型 Lockable solenoid	电气线圈驱动, 保持方式, 进气或排气压力, 电气故障报警, 干簧触点 报警回路工艺配置 solenoid valve, lock solenoid, an HMI inter pressure valve, pressure alarm device
	开闭型 ON OFF type	反馈信号, 位置信号, 无源触点信号, 电压, 4-20mA Feedback, the action signal, passive contact signal, voltage, 4-20mA
电磁阀控制 Solenoid actuator	调节型 Regulation type	输入输出信号: 4-20mA, 0-10V, 1-5V, 直流, MODBUS, PROFINET 现场总线 input and output signal: 4-20mA, 0-10V, 1-5V, switch, MODBUS, PROFINET field bus
	远程开闭型 Field operation	集线器/远程开闭的体系, 该体系详见 MODBUS, PROFINET 现场总线 The flow, remote control switch regulator and MODBUS, PROFINET field bus
	详细功能描述 详细功能描述符4: See 4.0.0.0.4. Page 4.0.0.0.4. See 4.0.0.0.4.	

[illegible]

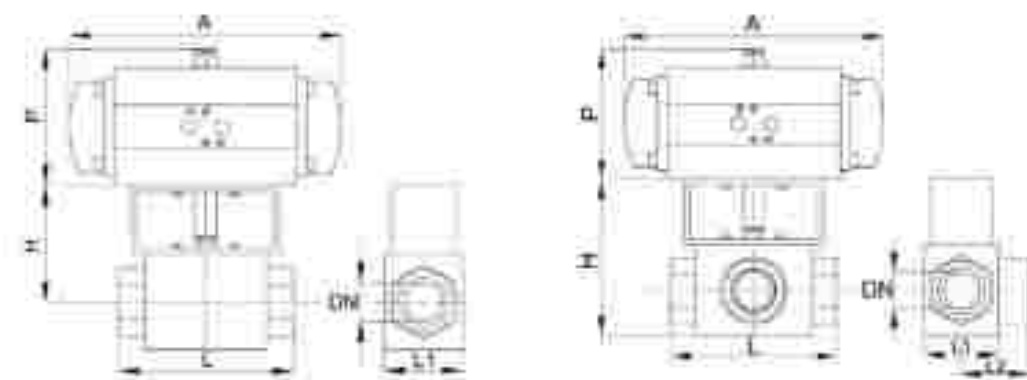
總厚 (mm)	英寸	厚度 (mm)	總長尺寸 (mm)								總長尺寸 (mm)							
			4	01	02	03	04	05	06	07	08	09	10	11	12	13	14	
15	5/8	1.0 2.5 6.3	45	55	65	75	85	95	105	115	125	135	145	155	165	175		
20	3/4		50	60	70	80	90	100	110	120	130	140	150	160	170	180		
25	1		55	65	75	85	95	105	115	125	135	145	155	165	175	185		
32	1 1/4		60	70	80	90	100	110	120	130	140	150	160	170	180	190		
40	1 1/2		65	75	85	95	105	115	125	135	145	155	165	175	185	195		
50	2		70	80	90	100	110	120	130	140	150	160	170	180	190	200		
60	2 1/2	100	110	120	130	140	150	160	170	180	190	200	210	220	230			
80	3	150	160	170	180	190	200	210	220	230	240	250	260	270	280			
100	4	200	210	220	230	240	250	260	270	280	290	300	310	320	330			
120	5	250	260	270	280	290	300	310	320	330	340	350	360	370	380			
150	6	300	310	320	330	340	350	360	370	380	390	400	410	420	430			

高压球阀采用锻造球体,球体加焊处理的球杆,根据材料变化不同可达到系列和双向密封要求。
High pressure ball valve forged ball body, embedded stem welding process, according to difference materials change to unidirectional and bidirectional sealing requirements.



气源执行器 Pneumatic actuator	控制方式 Control type	故障 Fail-safe
	双作用 Double acting	进气开、排气关、无弹簧复位件 Failure to return
	带初始定位式 Spring-acting normally closed	常开式、进气开、排气关、无弹簧复位件 Failure to open
	带初始定位式 Spring-acting normally open	常闭式、进气关、排气开、有弹簧复位件 Failure to close
	可拆卸式 Detachable assembled	按气动原理，设计开关。空气过滤器减压阀、电气信号器、二位四通换向阀以及其它附件组成。 Solenoid valve, five-way valve, air filter pressure valve, positioner, manifold device
	可拆卸式 Detachable assembled	按气动原理，设计开关。空气过滤器减压阀、电气信号器、二位四通换向阀以及其它附件组成。 Solenoid valve, five-way valve, air filter pressure valve, positioner, manifold device
电动执行器 Electric actuator	供电制 OMCFF type	反馈信号：有源信号、无源触点信号、电压、4~20mA Feedback: the active signal, passive contact signal, voltage, 4~20mA
	调节型 Regulation type	输入输出范围：4~20mA、0~10V、1~5V、开至、MODBUS、PROFIBUS 通信地址 Input and output signal: 4~20mA, 0~10V, 1~5V switch, MODBUS, PROFIBUS field bus
	过程控制功能 Field operation	即插即用，多种控制的形式。如PID以及 MODBUS、PROFIBUS 地址选择 The fixed, female control action regulator and MODBUS, PROFIBUS address
	可拆卸式或不可拆卸式 Detachable or non-detachable	可拆卸式或不可拆卸式 Detachable or non-detachable

高压球阀尺寸图



测试点	英寸	旧式					新式						
		L	LT	ST	P	A	L	LT	ST	HT	P	A	
DN10	3/8"	73	55	65	115	158	73	55	57	85	115	158	
DN15	1/2"	83	57	56	116	168	83	57	60	84	132	177	
DN20	3/4"	85	63	105	157	177	95	65	52	100	147	188	
DN25	1"	112	55	111	147	195	112	55	85	111	165	225	
DN32	1.1/4"	128	68	132	188	225	115	68	95	132	185	235	
DN40	1-1/2"	125	113	132	185	215	121	122	112	140	182	212	
DN50	2"	148	115	182	182	275	140	115	125	160	182	215	

最佳技術參數

线性

系列规格: DM10-DM200
 阀体材质: WCB, 304, 316, 不锈钢
 连接方式: 法兰, DN15-DN250
 驱动: 手动-DV90
 压力等级: PN1.6 ~ 5.0 MPa
 密封形式: 填料式, 二重密封, 三重密封

國內組件

陸軍部：9772
 海軍部：304、316、319
 商部：304
 農林部：304
 財政部：304、316、319

Standard technical parameters

Valves: 2 each

Model Number: DFI-DN50
 Stock Number: WCB-304-516-310L
 Connection: Flange, Thread
 Pressure Rating: PN10-10 MPa
 Structure: Straight 2 way, three way T-type, Side way L-type

Valve components

Sealing: PTFE
Control: JCA-115, 116
Diam. material: 304
Application: medium-high pressure gas, liquid, oil, etc.

Sanitary ball valve through precise dissection process and strict quality management, valve inside and outside polished and stainless using clamp quick install type connecting, all inclusive P4 SEAL, no dead corner convenient disassembly, cleaning, repair of KROHNE Sany sanitary ball valve suitable for sanitary pipe medium reversing, start, confluence, mixed flow, equipped with pneumatic actuator and electric actuator to realize automatic control.



球閥開閉圖

上圖為開閉圖

下圖為剖面圖

使用材料：HTP-100型、H6D、F91、-30℃~280℃
滤芯材质：304、316、20#
密封材料：304
适用介质：食品、医药、制药过程、蒸馏精制等卫生级及工业级
设计标准：GB、GMP、ISO、JB、SA

Operating medium: PTFE: -30~190°C, PP: -30~200°C
 Operating pressure: 0.4~0.6 MPa
 Operating material: 304

Applicable medium: Food, beverage, packaging machinery
 Mining machinery and other harsh conditions using seal
 Design standard: ISO, DIN, JIS, GB, BS.

通径 (mm)	英寸	尺寸 (mm)						
		A	B	C	D	E	F	G
25	1	65	110	160	300	177	137	111
32	1 1/4	83	140	195	380	177	157	111
40	1 1/2	110	190	265	400	188	167	122
50	2	125	215	315	400	223	183	138
65	2 1/2	148	245	370	470	271	182	153
80	3	180	290	400	510	304	189	173
100	4	200	320	450	550	324	199	173
125	5	215	350	500	610	372	221	192
150	6	240	380	550	710	372	221	192
200	8	295	440	600	850	438	269	213
250	10	355	505	650	950			

调节阀选型									
调节阀部分					附件部分				
类型	ATE	阀杆	连接方式	压力等级	连接标准	阀座形式	控制形式	气源附件	附件
● 直通式	● A10CD	● 30X	● 法兰	● PN1.0	● OD 密封	● 直通式	● 气开式	● 三联	● AC220
● 角阀式	● B10H	● 316	● 螺纹	● PN4.0	● API 607 密封	● 角阀式	● 气关式	● 单气源控制	● AC380V
● 球阀式	● C10K	● 316L	● 焊接	● PN10.0	● DIN 11851 密封	● 球阀式	● 气动执行器	● 气源过滤器	● DC24V
● 蝶阀式	● D10L	● 316L		● PN16.0	● JIS 10K 密封	● 蝶阀式	● 气动执行器	● 气源减压阀	● 其它
● 偏心旋转式	● E10M			● PN25.0		● 偏心旋转式	● 气动执行器	● 限位开关	
● 二通分体式							● 气动执行器	● 限位开关	
● 三通分体式							● 气动执行器	● 限位开关	

调节阀系列 Regulating valve series

电动调节阀系列
Electric and pneumatic regulating valve

气动调节阀系列
Pneumatic control valve

自力式温度调节阀
Self-operated temperature control valve

自力式压力调节阀
Self pressure regulating valve

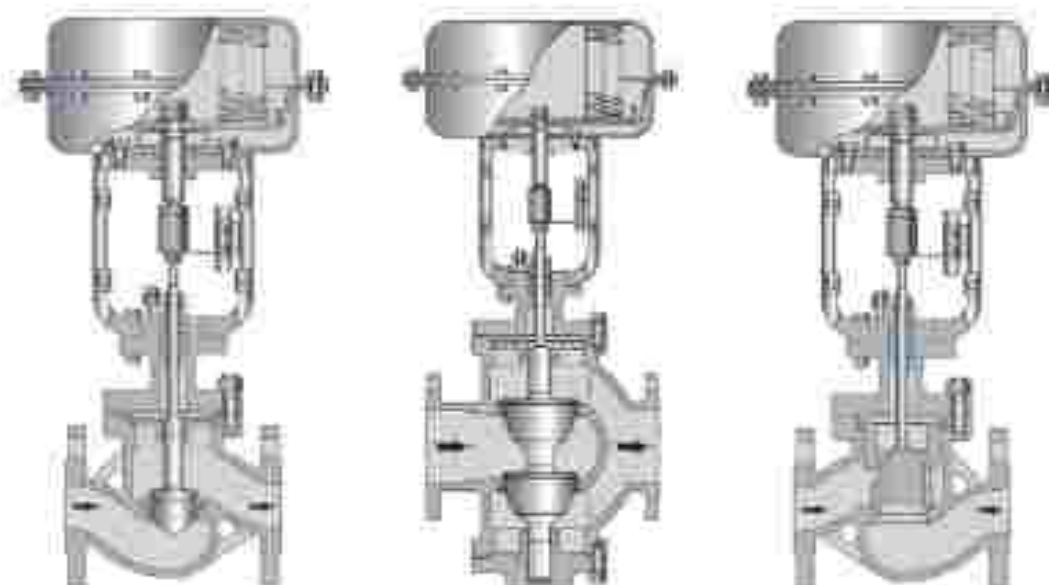
带执行器自力式调节阀
Distribution valve with the control device



产品概述 Product overview

气动隔膜调节阀采用顶部导向结构，阀体结构紧凑，流体通道呈半流型，压降损失小流量大，可调节范围广，流量特性好，精度高。调节范围宽流量特性好，具有体积小输出力大。

Pneumatic diaphragm regulating valve with the top guide structure, compact structure. Fluid channels in a semi-shaped streamline, small pressure drop loss large flow wide adjustment range, high precision flow characteristics. Regulating valve with multi-spring diaphragm actuator, with small structure, large output force.



单弹簧调节阀

双弹簧调节阀

高背压调节阀

标准技术参数

阀体

形式：单座、双座、套筒

公称通径：DN20-DN200

额定压力：PN16、PN40、PN63、PN100

连接方式：法兰、螺纹、焊接（按用户要求）

密封形式：PN16公称：PTFE、PN40、PN63、PN100为石墨

衬里：WC6、304、316、316L

使用形式：标准型（-20℃~+200℃）

低温型（-40℃~+150℃）

高温型（+40℃~+400℃）

衬里型材料

衬里形式：橡胶类

填料：V型机械密封、填料密封

阀内组件

形式：单座、双座

材料：304、316、316L

流量特性：等百分比、线性、快开

执行机构

形式：多弹簧气动薄膜执行器

作用形式：正作用、反作用

执行材料：不锈钢、碳钢、铝、铜

使用压力：20-100kPa、40-200kPa、60-240kPa

供气压力：0.4-0.5MPa

作用形式

气开式（O）：当供气压力增加时，阀门打开，当供气压力减小时，阀门关闭。

气关式（C）：当供气压力增加时，阀门关闭，当供气压力减小时，阀门打开。

气开式（O）：当供气压力增加时，阀门打开，当供气压力减小时，阀门关闭。

气关式（C）：当供气压力增加时，阀门关闭，当供气压力减小时，阀门打开。

气开式（O）：当供气压力增加时，阀门打开，当供气压力减小时，阀门关闭。

气关式（C）：当供气压力增加时，阀门关闭，当供气压力减小时，阀门打开。

气开式（O）：当供气压力增加时，阀门打开，当供气压力减小时，阀门关闭。

气关式（C）：当供气压力增加时，阀门关闭，当供气压力减小时，阀门打开。

气开式（O）：当供气压力增加时，阀门打开，当供气压力减小时，阀门关闭。

气关式（C）：当供气压力增加时，阀门关闭，当供气压力减小时，阀门打开。

气开式（O）：当供气压力增加时，阀门打开，当供气压力减小时，阀门关闭。

气关式（C）：当供气压力增加时，阀门关闭，当供气压力减小时，阀门打开。

气开式（O）：当供气压力增加时，阀门打开，当供气压力减小时，阀门关闭。

气关式（C）：当供气压力增加时，阀门关闭，当供气压力减小时，阀门打开。

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气关式（C）：当供气压力增加时，阀门关闭，当供气压力减小时，阀门打开。

Standard technical parameters

Valve body

Type: Single seat, double seat, sleeve

Nominal diameter: DN20-DN200

Nominal pressure: PN16, PN40, PN63, PN100

Connection: Flange, thread, weld (or other customer specified)

Sealing surface: PTFE-coated surface, PTFE, PTFE, PTFE

Use form: Standard

Material: WC6, 304, 316, 316L

Structure: Standard type (-20℃~+200℃)

Low temperature type (-40℃~+150℃)

Working type (+40~450℃)

Sealing seal type

Seal type: gasket

Sealing: V-type PTFE, flexible graphite

Valve components

Core type: single seat plunger type

Core seat: 304, 316, 316L

Flow characteristics: Equal percentage, linear, quick opening

Actuator

Type: Multi-spring diaphragm actuator

Action type: Direct action, reverse action

Diaphragm material: PTFE-coated, stainless steel, aluminum

Spring range: 20-100kPa, 40-200kPa, 60-240kPa

Supply pressure: 0.4-0.5MPa

Action type

Air to open (O) (With direct action actuator): When the air supply fails, the actuator spring opens the valve.

Air to close (C) (With reverse action actuator): When the air supply fails, the actuator spring closes the valve.

Accessories (Configured according to requirements):

Location: air, liquid, pressure, relief valve, hand wheel device, limit switch, external valve, lock up valve and others.

Performance

Rated Kv value: Reference data

Flow characteristics: Linear, equal percentage, quick opening

Adjustable range: 50:1

Leakage class

Detail seat: Less than 0.01 (ANSI B16.104-1976)

Soft seat: Less than 0.0001%

Hysteresis: Less than full stroke 1% (With cavity: Less than 0.4 stroke 0.5-0.6% (Without cavity))

Static error: Less than full stroke ± 1% (With cavity: Less than full stroke ± 0.5% (Without cavity))

Dynamic error: Less than full stroke ± 1% (With cavity: Less than full stroke ± 0.5% (Without cavity))

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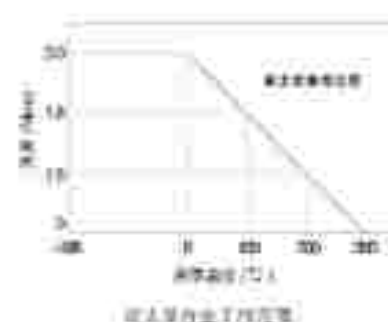
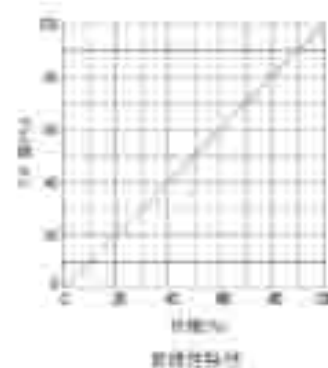
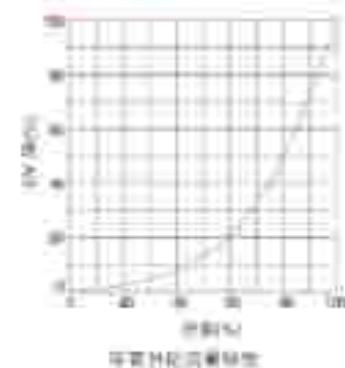
Dynamic error: Less than full stroke ± 1% (With cavity: Less than full stroke ± 0.5% (Without cavity))

Dynamic error: Less than full stroke ± 1% (With cavity: Less than full stroke ± 0.5% (Without cavity))

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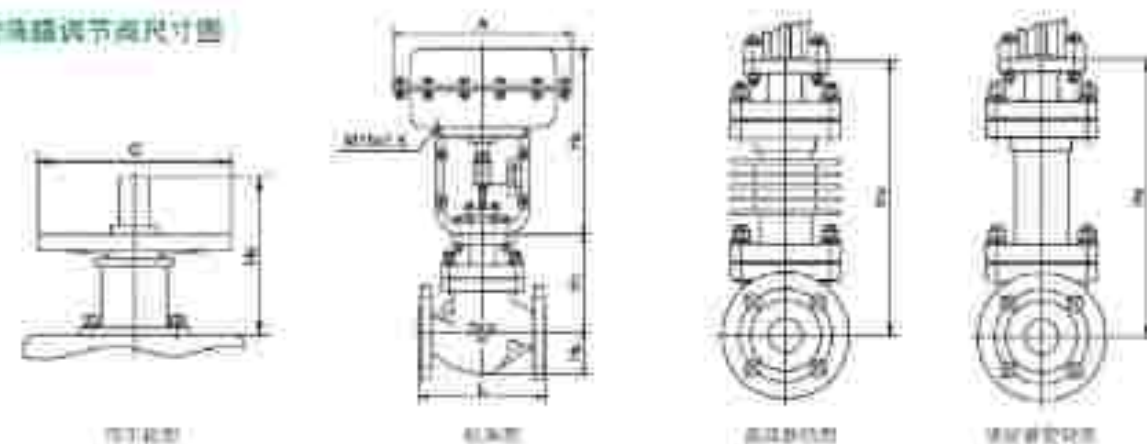
流量特性曲线



额定流量系数及行程参数

口径	行程	Kv		行程	行程	气开式流量特性		气关式流量特性	
		线性	等百分比			信号 P1: 20-100	信号 P2: 40-200	信号 P1: 20-100	信号 P2: 40-200
						气源 0.14MPa	气源 0.20MPa	气源 0.14MPa	气源 0.20MPa
20	3	0.2		250	16	-	-	-	-
	5	0.3				-	-	-	-
	8	0.5				-	-	-	-
	10	1.0	1.6			0.38	0.4	0.35	0.4
	12	2.0	2.5			3.72	0.4	3.72	0.4
	15	4.4	4			2.38	0.55	2.10	0.4
25	20	6.9	6.3	400	25	1.34	2.12	1.34	4.01
	25	11	10			0.88	2.0	0.88	2.87
32	32	17	16	630	40	0.70	1.74	0.70	2.24
40	40	27	25			0.48	1.11	0.48	1.40
50	50	44	40			0.31	0.71	0.31	0.91
63	63	69	63	1000	60	0.27	0.83	0.27	0.81
80	80	110	100			0.18	0.42	0.18	0.52
100	100	175	160			0.11	0.23	0.11	0.34
125	125	275	250			0.12	0.28	0.12	0.37
150	150	440	400			0.08	0.25	0.08	0.25
200	200	690	630			0.05	0.11	0.05	0.14

气动薄膜调节阀尺寸图



口径	A		B		C		D		E		F		G	H
	PN16/40	PN40/100	PN16/40	PN40/100	PN16/40	PN40/100	PN16/40	PN40/100	PN16/40	PN40/100	PN16/40	PN40/100		
20	100	230	200	120	130	271	200	200	200	200	42	00	220	150
25	100	230	200	120	130	271	200	200	200	200	42	54	220	150
32	100	230	200	120	130	271	200	200	200	200	42	81	220	150
40	200	230	200	120	130	271	200	200	200	200	42	70	220	150
50	200	310	300	140	140	301	240	240	240	240	42	64	220	150
63	200	310	300	140	140	301	240	240	240	240	42	67	220	150
80	310	310	300	140	140	301	240	240	240	240	42	100	220	150
100	310	430	300	140	140	301	240	240	240	240	42	120	220	150
125	400	430	300	140	140	301	240	240	240	240	42	134	220	150
150	400	430	300	140	140	301	240	240	240	240	42	150	220	150
200	600	650	400	140	140	301	240	240	240	240	42	200	220	150

注：1. 口径 20-40mm 时，H=100mm；口径 50-100mm 时，H=150mm；口径 125-200mm 时，H=200mm。

气动薄膜单座调节阀重量表

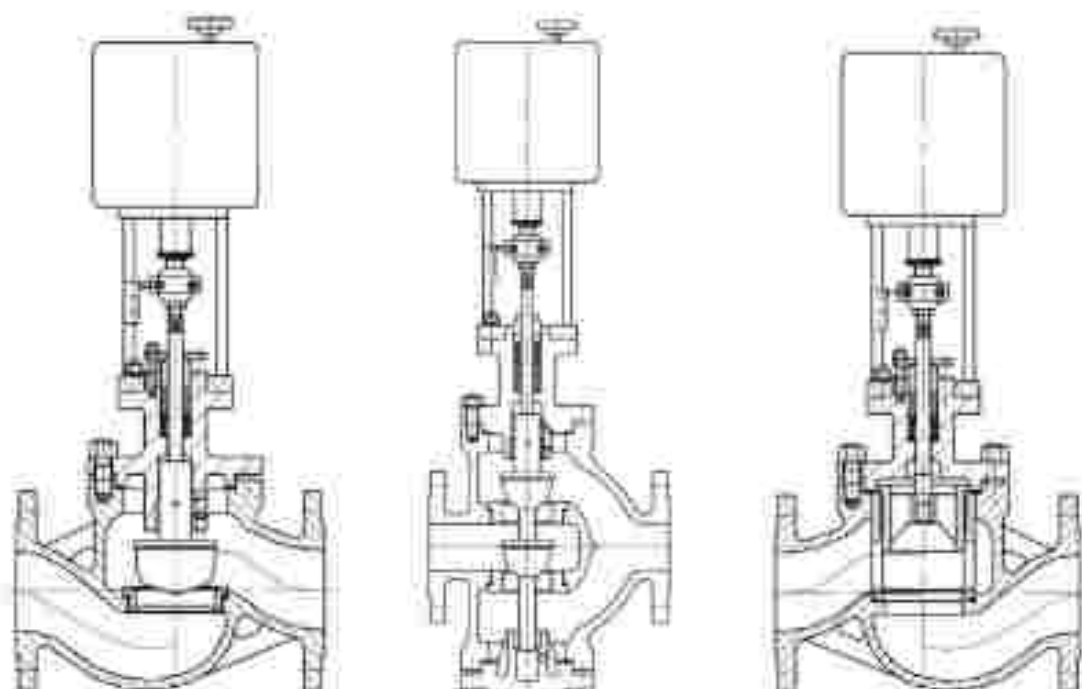
口径	20	25	32	40	50	63	80	100	125	150	200
侧装型	PN16	17	18	22	26	29	42	55	115	150	220
	PN40	18	19	23	27	30	43	56	116	151	221
	PN63	20	21	25	29	32	45	58	117	152	222
高行程型	12	13	15	17	20	22	33	42	75	100	150
限位型	18	19	21	23	26	28	40	50	85	110	160
丝接型	20	21	23	25	29	32	45	58	100	130	200

单位: kg

产品概述 Product overview

电子式电动调节阀,由电子式电动执行器和直式调节阀组成,电动执行器内置伺服系统,与调节阀连接放入阀,输入信号及电源即可控制阀门。结构紧凑,运行精度高,控制型,具有体积小,重量轻,故障率低,寿命长,可调节量大,流量特性精度高,优点。适用于控制液体流量的场合。机械密封,食品,医药,电子行业。

Electronic type electric single seat regulating valve. Such as fine chemicals, food additives, medicine, electronics industry, electric actuator built-in servo system, without the servo amplifier, input signal and power can be work. Compact structure. Fluid channels in a s-shaped streamline. Has the advantages of small volume, light weight, small pressure drop loss, large flow, wide adjustment range, high precision flow characteristics. Applied in the precise control of the low flow situations.



单座调节阀

双座调节阀

套筒调节阀

标准技术参数

阀体

形式: 直通, 角通, 三通
公称口径: DN20-DN200
公称压力: ANSI150, 300, 600LB, JIS10, 16, 20, 30, 40K, PN16, 25, 42, 6.3MPa
连接方式: 法兰, FF, RF, HI 110, 法兰标准 ANSI B16.1, ISO 5201, JIS B2201, JIS B16.3 MPa, JIS T78.2
材质: DIN, NPT, FC, DPT, G 等
附件: O形圈密封
密封形式: 填料密封, PTFE, VCR, VCRS, HUBER 力矩密封
密封: 填料, O形, V形, 弹性
上阀盖: 标准型 (-20°C ~ +250°C)
低凝型 (-50°C ~ +120°C)
超低温 (-40°C ~ -45°C)
深冷型密封
注液形式: 直接式

密封: V型密封或填料, 弹性密封

阀内组件

阀芯形式: 直通型阀芯, 角通, 三通
阀芯材料: 304, 316, 316L, 317
密封材料: 聚四氟乙烯, 弹性, 弹性

执行机构

形式: 电动执行器
作用形式: 正作用, 反作用
控制方式: 比例调节, 定位控制
输入信号: 4-20mA, 0-10V, 1-5V, ON-OFF
输出信号: 4-20mA 或无源触点信号
电源: AC220V, AC380V, DC24V 等
防爆等级: ExdIBT4, ExdIBT4 或其他 (可选)
不防爆型, 防爆型

附件 (根据要求配置)

限位器, 行程开关

性能

额定 KV 值, 流量系数
流量特性: 线性, 等百分比, 快开
可调范围: 50:1

泄漏等级

全关密封: 小于 0.01 (ANSI B16.104-1999 型)
泄漏率: 小于 0.0001%
回差: < 1%
死区: < 1%
泄漏等级: < 1%

Standard technical parameters

Valve body

Type: Single seat, double seat, sleeve
Nominal diameter: DN20-DN200
Nominal pressure: ANSI150, 300, 600LB, JIS10, 16, 20, 30, 40K, PN16, 25, 42, 6.3MPa
Connection: Flange, FF, RF, HI and LO, Flanged, standard ANSI B16.1, JIS B2201, JIS B16.3 MPa, JIS T78.2
Thread: DIN, NPT, FC, DPT, G etc
Welding: DIN 2534-B
Sealing surface: PTFE-coated surface, PTFE, PTFE, PTFE
Optimized surface
Material VCR: 304, 316, 317
Bonnet: Standard type (-20°C ~ +250°C)
Low temperature type (-50°C ~ +120°C)
Cryogenic type (-40°C ~ -45°C)
Deep cold seal type
Direct type: direct type
Welding: V type PTFE, feed-in graphite
Sealing: V type PTFE, feed-in graphite

Valve components

Core type: single seat, plunger type, double seat, sleeve
Core seat: 304, 316, 316L, 317
Flow characteristic: Equal percentage, linear, quick opening

Actuator

Type: Electric actuator
Action type: Direct action, Reverse action
Control type: Proportional or switch type
Input signal: 4-20mA, 0-10V, 1-5V, ON-OFF
Output signal: 4-20mA or passive contact signal
Power: AC220V, AC380V, DC24V etc
Exposure proof class: ExdIBT4, ExdIBT4 or others (Optional)
Manual device with handle

Accessories (Configured according to requirements)

限位器, 行程开关

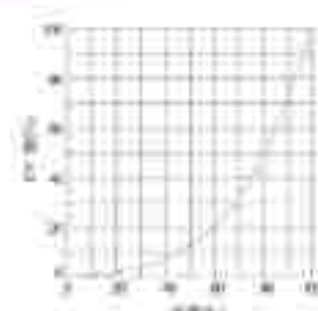
Performance

Rated KV value, flow coefficient
Flow characteristics: Linear, equal percentage, quick opening
Adjustable range: 50:1

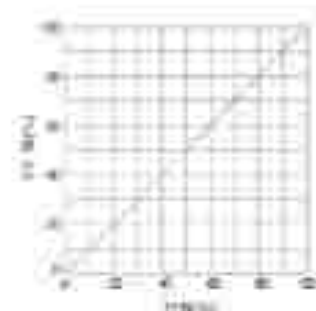
Leakage class

Shut-off: Less than 0.01 (ANSI B16.104-1999)
Shut-off: Less than 0.0001%
Hysteresis: < 1%
Dead zone: < 1%
Gate after: < 1%

流量特性曲线



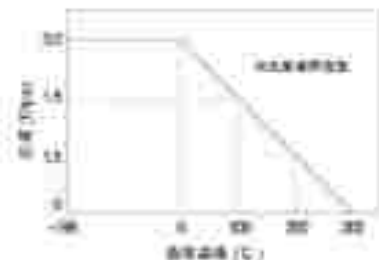
流量特性曲线图



流量特性曲线图



流量特性曲线图



流量特性曲线图

额定流量系数及行程参数

口径	额定流量	KV		额定行程 mm	行程调节范围	行程调节比
		额定	行程调节			
25	5	0.2		600	15	2.4
	7	0.3				
	9	0.4				
	12	0.6	1.5	800/1000	18	4.7
	15	0.8	2.5			
	20	1.2	3.0			
25	25	1.5	10	3000/3500	25	11.4
32	32	1.7	15			
40	40	2.0	20			
50	50	2.5	25			
65	65	3.2	30	3000/3500	30	23/34
80	80	4.0	40			
100	100	5.0	50			
125	125	6.3	63	10000/12000	60	30/40
150	150	8.0	80			
200	200	12.5	125			

电子电动调节器尺寸图

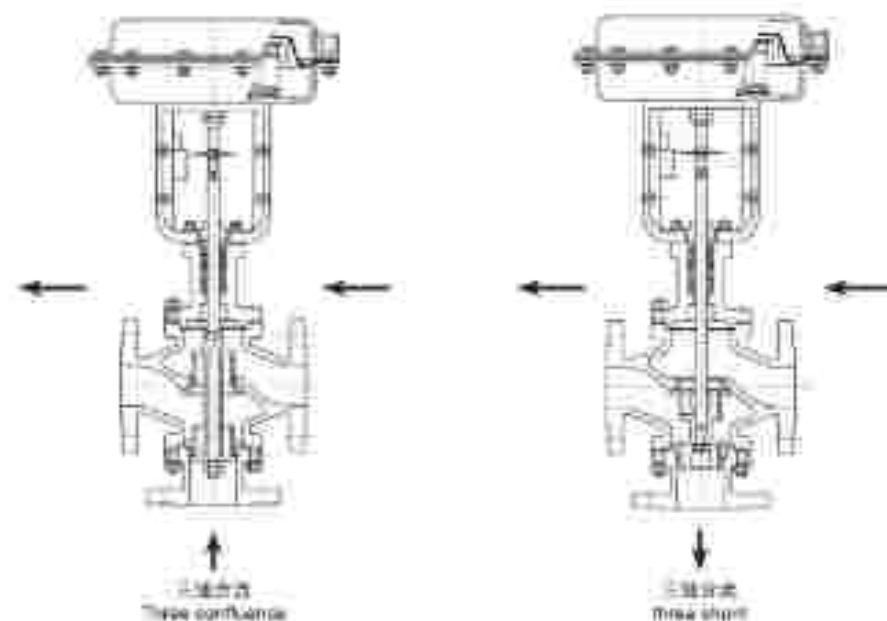


通径	L			H			D	重量 kg		
	PN 10/16			重量	高度	长度		PN 10/16	重量	长度
	1.6	4.0	6.3							
25	150		250	800	800	1000	1/2	25	25	25
25	180		280	870	870	1080		27	27	27
32	180		280	870	870	1100		28	28	28
40	200		300	900	900	1200		30	30	30
50	230		330	1000	1000	1300		33	33	33
65	280		400	1200	1200	1400		37	37	37
80	330		480	1400	1400	1600	1/2	42	42	42
100	380		560	1600	1600	1800		48	48	48
125	430		640	1800	1800	2000		55	55	55
150	480		720	2000	2000	2200	1/2	63	63	63
200	600		900	2500	2500	2800		80	80	80
250	730		1100	3000	3000	3400		98	98	98

产品概述 Product overview

气动隔膜三通调节阀是由隔膜驱动的多位隔膜执行器、先导调节阀和电气定位器组成。主要用于介质的分流、合流、出厂前已用氮气在调试完毕，用户接进气源接入信号即可运行。

Pneumatic diaphragm three way regulating valve is composed of guide multi-spring diaphragm actuator, pipe regulating medium and intelligent positioning device. Mainly for medium stream, confluence. The factory has been finished zero and zero adjustment. The user connected to gas source input signal can be run.



标准技术参数

类型

隔膜三通调节阀
气动三通调节阀

阀体

形式：三通分流结构
公称通径：DN25-DN100
额定压力：PN16、PN40
连接方式：法兰
密封面形式：FF44 凸面，FF46 凹面
材料：VCB, 304, 316, 316L
适用介质：标准型 -20℃~+200℃
低温型 -60℃~+100℃
超低温型 -40℃~+150℃
隔膜材料：聚四氟乙烯

执行形式：气动式

结构：V型密封副二阀，高性能

阀内组件

密封形式：聚四氟乙烯
密封材料：304, 316-321
使用特性：零位分比，线性，快回

Standard technical parameters

Type

Shut 3 way valve
Confluence 3 way valve

Valve body

Type: 3 way closing structure
Nominal diameter: DN25-DN100
Nominal pressure: PN16, PN40
Connection: Flange
Sealing surface: FF44 convex surface, FF46 concave surface
Material: VCB, 304, 316, 316L
Structure: Stiffened type (-20°C~+200°C)
Low temperature type (-60°C~+100°C)
Cryogenic type (-40~+150°C)
Diaphragm seal type
Gasket type: metal plate
Filling: V type PTFE, flexible graphite

Valve components

Core type: single seat plunger type
Core seat: 304, 316-321
Flow characteristics: Equal percentage linear, quick opening

Actuator

执行机构

形式：多弹簧隔膜执行器
使用形式：正作用，反作用
密封材料：丁腈橡胶或聚四氟乙烯
使用压力：20-100kPa, 40-200kPa, 80-240kPa
供气压力：0.4-0.5MPa

作用形式

气开式FO（反作用）具有：供气低时，阀门关闭；供气高时，阀门打开；供气高时，阀门关闭；供气低时，阀门打开。

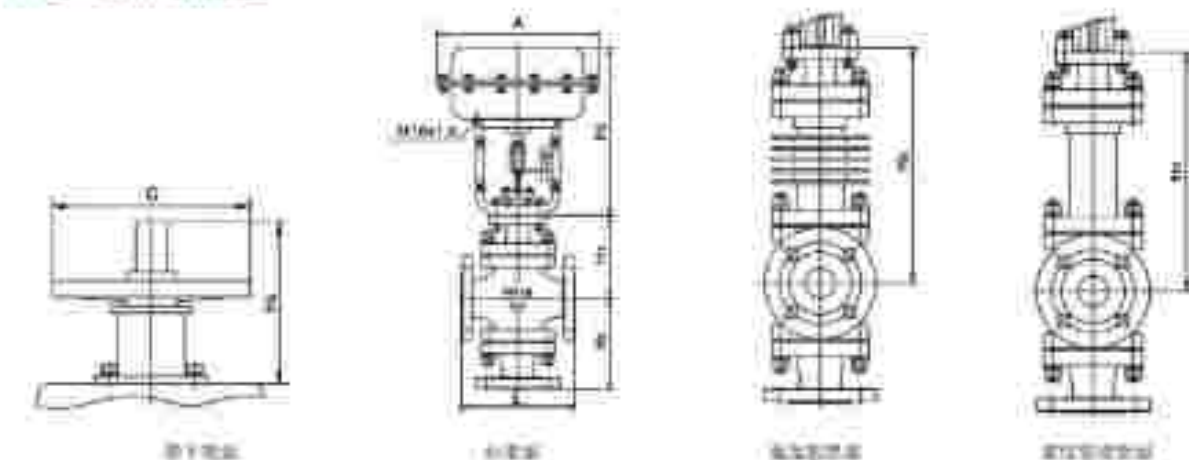
附件（根据要求配置）

电气定位器，空气过滤器，电磁阀，限位开关，电磁阀，限位开关等。

性能

额定KV值：见样本
泄漏等级：按GB/T 4213-2008
泄漏量：0.1%
泄漏率：金属密封：小于0.1%（ANSI B16.104-1975V12）
非金属密封：小于0.0001%
回差：小于全行程1%（密封时）
小于全行程2%（不带密封）
死区：小于全行程1%（密封时）
小于全行程2%（不带密封）
小于全行程3%（不带密封）

额定流量系数及行程



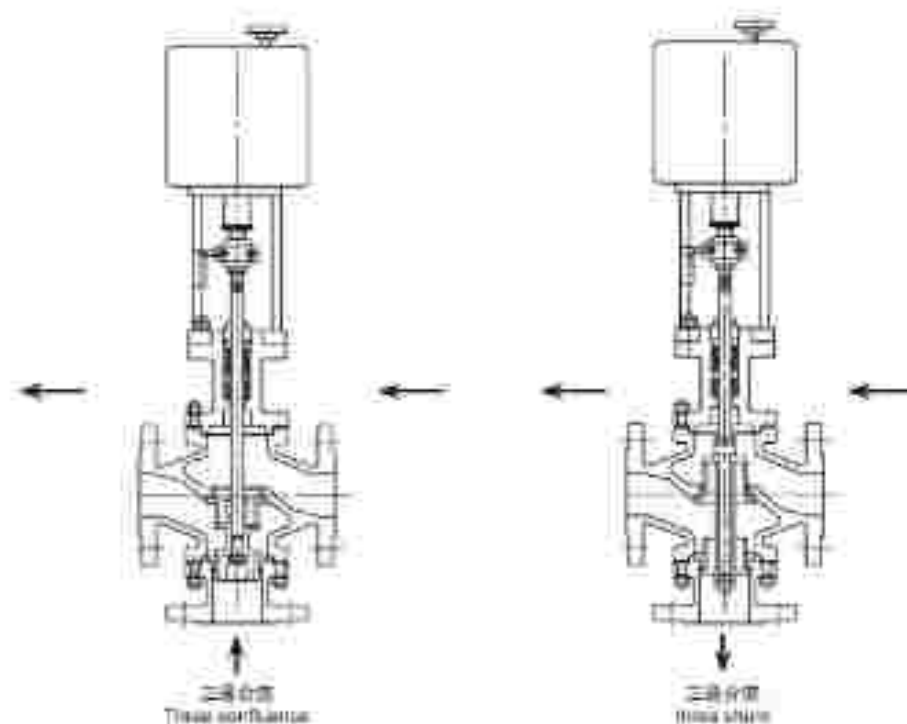
口径 DN	L PN16/PN40 1.6/4.0 MPa		H1	H2	H3	H4	H5	C	H6	H+IE		行程 mm	行程 mm	允许压差 MPa		重量 kg	
	1.6/4.0 MPa	1.6/4.0 MPa								标准	定制			PN16-200 40% 40%	PN40-200 40%	PN16-200 40%	PN40-200 40%
25	150	200	106	271	206	216	138	220	180	8.5	8.5	200	15	0.06	1.7	21	25
32	180	200	126	297	227	237	145	230	190	13	13			0.75	1.35	23	28
40	200	220	147	297	248	258	159	230	190	21	21	400	25	0.48	0.92	22	40
50	220	240	162	297	260	270	170	230	190	34	34			0.21	0.58	38	48
65	280	340	178	325	417	427	190	265	240	53	53			0.27	0.80	64	74
80	310	360	188	375	427	437	205	253	240	89	89			0.18	0.30	72	85
100	380	430	204	375	440	450	220	265	240	126	126	600	40	0.11	0.25	90	112
125	400	500	228	436	565	575	230	315	304	218	218			0.12	0.20	155	190
150	480	550	268	436	625	635	250	315	304	340	340	800	60	0.06	0.15	190	240
200	600	650	318	436	675	685	285	315	304	530	530			0.05	0.08	285	306

标准型在高压 - H1+H2+H3, 密封性能在高压 - H5+H1+H2, 密封性能在高压 - H5+H1+H3

产品概述 Product overview

电动三通调节阀由电子式电动执行机构和式调节阀组成,电动执行机构采用伺服系统,无须另加伺服放大器,输入信号和电源即可工作,主要用于流体的分流、合流。适用于热交换器的流量调节及配比调节。

Electric 3 way regulating valve by electronic electric actuator and single seat valve, electric actuator built-in servo system, without the servo amplifier, input signal and power can be work, mainly for the medium streaming and confluence, commonly used in heat exchanger and two phase adjustment and ratio adjustment.



标准技术参数

类型

电动三通调节阀
电动三通分流阀

阀体

形式: 三通合流结构

公称通径: DN20-DN200

公称压力: ANSI100, 150, 300, 400, 600, 900, 1500, 2500, 3000

400, 600, 900, 1500, 2500, 3000

连接形式: 法兰, FF, RF, RTJ, 螺纹, 焊接, 卫生级, 卫生级

400, 600, 900, 1500, 2500, 3000

材料: 碳钢, 不锈钢, 合金钢, 钛合金

密封面形式: 硬密封, 软密封

材料: VCR, 304, 316, 316L

温度范围: 标准型 (-20°C ~ 400°C)

Standard technical parameters

Type

电动三通调节阀

电动三通分流阀

Valve body

形式: 三通合流结构

额定通径: DN20-DN200

额定压力: ANSI150, 300, 600, 900, 1500, 2500, 3000

400, 600, 900, 1500, 2500, 3000

连接形式: 法兰, FF, RF, RTJ, 螺纹, 焊接, 卫生级, 卫生级

400, 600, 900, 1500, 2500, 3000

材料: 碳钢, 不锈钢, 合金钢, 钛合金

密封面形式: 硬密封, 软密封

材料: VCR, 304, 316, 316L

温度范围: 标准型 (-20°C ~ 400°C)

温度范围: (-20°C ~ 400°C)

温度范围: (-20°C ~ 400°C)

温度范围: (-20°C ~ 400°C)

温度范围: (-20°C ~ 400°C)

温度范围: (-20°C ~ 400°C)

阀内组件

形式: 单座式

材料: 304, 316, 316L

密封材料: 聚四氟乙烯, 橡胶, 金属

执行机构

形式: 电动执行机构

作用形式: 正作用, 反作用

控制方式: 比例积分微分控制

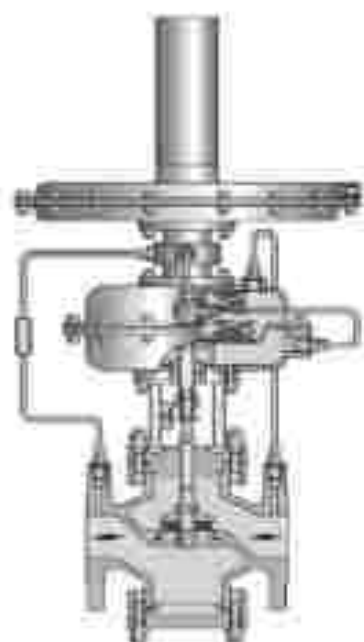
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电源: AC220V, AC380V, DC24V等

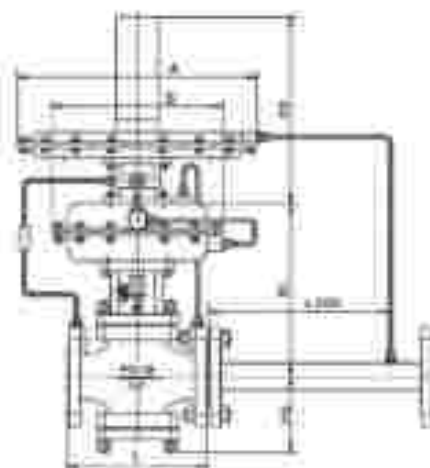
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A device with a command operation of self pressure regulating valve without external energy, relying on the media's own energy to be transformed as a power source, the current into the pressure valve to control the pressure valve open position, regulating media flow, the valve back pressure at constant pressure. The control precision is high, suitable for high precision working.



Rated KV value: Reference table
Flow characteristics: Quick opening
Acting type: After the valve pressure equalized
Pressure adjusting range: Reference table
Pressure control precision: $\pm 2.5\%$
Leakage class: Visual test: Less than DDT (ANSI II 16, ICA-1200H)
Self seal: Less than 0.0001%

通径 DN	壁厚 δ	Kv 值	压力额定范围 MPa	执行器接口规格	公称压力	流量特性	行程	位置				
20	8	0.32	0.6~10.0 MPa 工业过程	20C	1.6 ~ 1.0 MPa	B 型	4.0%	1.0 MPa				
	10	4										
	20	8										
25	25	8		25C					1.0 MPa			
32	32	12.5										
40	40	20										
50	50	32		50C						0.6 MPa		
	65	65									50	
80	80	50		80C							0.4 MPa	
	100	100										80
100	100	125		100C								0.6 MPa
	125	125										
150	150	160	150C	0.6 MPa								
	180	200										



24	5	A	15	16	18
26	130	785(112280)	234	200	100
25	180		234		100
33	180				
41	200		249		120
51	238		254		135
65	290				
80	315		301		180
110	380		355		195
130	400		370		220

Energy saving type self-actuated temperature control valve without external energy control valve. Used for non-combustive gas and clean and ultra-pure media. Temperature control using bellows + spring pressure balance system. High sensitivity, low noise, reliable performance.

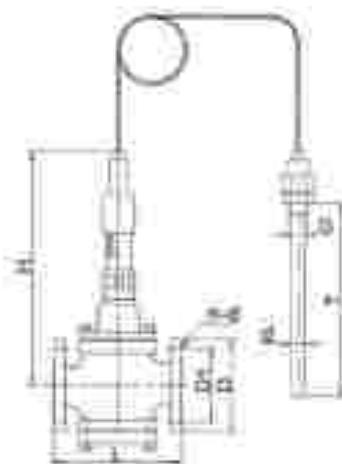


州與區內平開局勢。計開建設費(區)平開降其增減。應以
其種地稅稅計的而支出三項稅款。

Stiff in pressure against movement, 375 below + 200
balance spring; through coupling, not adjusting mechanism and
the extreme disordered

连接方式	规格	材料规格	材料重量(kg)	材料重量(kg)	连接重量(kg)		材料重量(kg)
					连接重量(kg)	连接重量(kg)	
12	4	6	1.0	1.0	4x12x4 角钢	10x10x6 角钢	连接重量(kg)
20	8.3	6	1.0	1.0			
25	8	6	1.0	1.0			
32	11	6	1.0	1.0			
40	22	12	1.0	1.0			
50	32	12	1.0	1.0			
60	50	12	1.0	1.0			
80	80	12	1.0	1.0			
100	125	20	1.0	1.0	4x12x4 角钢	20x20x6 角钢	连接重量(kg)
125	160	20	1.0	1.0			

类别	材料名称	规格	单位	数量	备注	材料名称	规格	单位	数量	备注
006	12#	12#-YY25	kg	2.25	点焊材料	12#	12#-YY25	kg	2.25	点焊材料
017	20		kg	2.25	点焊材料	20		kg	2.25	点焊材料

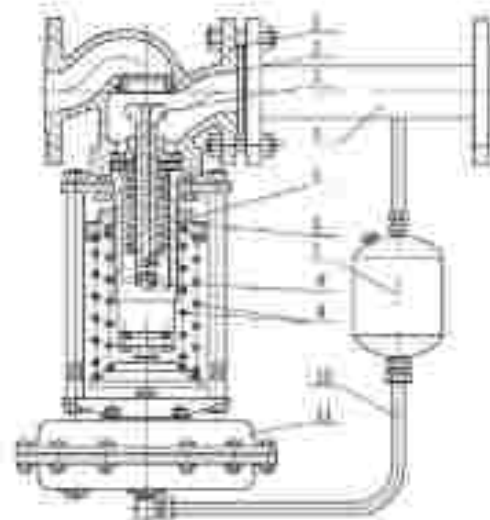


DN	1	2	3	4	5	6	7	8-9	重量 KG
15	110	35	45	130	25		260	4-14	5
20	125	50	75	135	25		280	4-14	5.5
25	140	75	85	160	25		295	4-14	6.5
32	160	100	100	160	25		340	4-18	22
40	175	145	115	200	25		355	4-18	25
50	190	190	125	230	25		360	4-18	28
65	225	260	145	265	25		390	4-18	35
80	260	330	160	310	25		410	5-18	45
100	320	410	180	360	25		430	5-18	57
125	380	540	210	450	25		500	5-18	75
150	440	690	240	480	25		560	6-21	100
200	550	850	280	600	25		690	12-22	200
250	680	1050	300	700	25		880	15-26	300

产品概述 Product overview

自力式压力调节阀是利用介质自身能量实现自动调节的调节阀,可对压力、温度、流量、液位调节,能在无电、无气源而工作,达到简化设备、节约能源、应用于石油、石化、电力、冶金、食品、机械、橡塑领域,对各种气体、液体及蒸汽减压、稳压(用于液体或蒸汽)自动控制。

Automatic regulating valve is the use of the medium self energy to realize automatic adjustment of the control valve, can adjust pressure, temperature, flow, liquid level, and be work in no electricity, no gases source, to simplify equipment, energy saving. Used in petroleum, petrochemical, power power, metallurgy, food, machinery, building. Automatic control all kinds of gas, liquid and steam pressure relief and stabilizing (For the valve before or after the valve).



- 1 阀体 body
- 2 阀座 seat
- 3 阀芯 stem
- 4 膜盒 Connected to pipe
- 5 压力调节阀 pressure regulating wheel
- 6 波纹管 bellows
- 7 冷凝器 condenser
- 8 阀杆 stem
- 9 弹簧 spring
- 10 压力反馈 Pressure feedback pipe
- 11 检测执行机构 Detecting actuator

标准技术参数

阀体

形式: 单座、双座
公称通径: DN15-DN300
公称压力: ANSI/ASME, ISO, KOB, JIS, GB, DIN, PN1.6, 2.5, 4.0, 6.3MPa
连接方式: 法兰, FF, RF, RJ 和 LG
密封标准: ANSI B1.1, JIS B2201, ISO15848, EN10617-2
材质: DIN, HP, FC, 304, 316, 316L, 304L, 316L
球体: 20Cr12Ni4Al
密封面形式: PN1.6 凸面, PN1.6 凹面, PN1.6 平面
材料: WCB, WC6, WC9, 304, 316, 304L, 316L
工作温度: 标准型 (-20°C ~ +200°C)
低温型 (-20°C ~ +180°C)
高温型 (-40°C ~ +500°C)
密封性能等级
阀座形式: 升降式
填料: V型聚四氟乙烯、柔性石墨

Standard technical parameters

Value body

Type: Single seat, double seat
Nominal diameter: DN15-DN300
Nominal pressure: ANSI/ASME, ISO, KOB, JIS, GB, DIN, PN1.6, 2.5, 4.0, 6.3MPa
Connection: Flange, FF, RF, RJ and LG
Flange standard: ANSI B 1.1, JIS B2201, ISO15848, EN10617-2
Thread: DIN, NPT, RC, BSP, G, etc
Welding: ISO15848-2
Sealing surface: PN1.6 convex surface, PN1.6 concave surface, PN1.6 flat surface
Material: WCB, WC6, WC9, 304, 316, 304L, 316L
Service temperature: Standard type (-20°C ~ +200°C)
Low temperature type (-40°C ~ +180°C)
Casting type (-40°C ~ +500°C)
Sealing performance
Seat type: rising
Packing: V type PTFE, Graphite

阀内组件

阀座形式: 单座式、双座式、压力平衡式、波纹管密封、软密封、快速启闭型、超低温型、超高温型

密封材料: 304, 316, 316L, 304L

执行机构

形式: 多弹簧式、单弹簧式

密封材料: 丁腈橡胶、聚四氟乙烯、氟橡胶

密封材料: 氟橡胶、PTFE

性能

额定KV值: 参考表

流量特性: 等百分比

控制方式: 压力反馈控制

控制精度: 1.0%

压力反馈精度: 1.0%

泄漏率: 全量程: 小于 0.1% (ANSI/ASME, ISO, KOB, JIS, GB)

密封性: 小于 0.0001%

Valve components

Core type: Single seat, double seat, pressure balanced type, bellows seal, soft seal, quick opening characteristic, ultra-low temperature type, ultra-high temperature type

Sealing material: 304, 316, 316L, 304L

Actuator

Type: Multi-spring, single-spring

Sealing material: NBR, FKM, PTFE, etc.

Sealing material: Fluorine rubber, PTFE

Performance

Rated KV value: Reference table

Flow characteristic: Equal percentage

Control type: Pressure feedback control

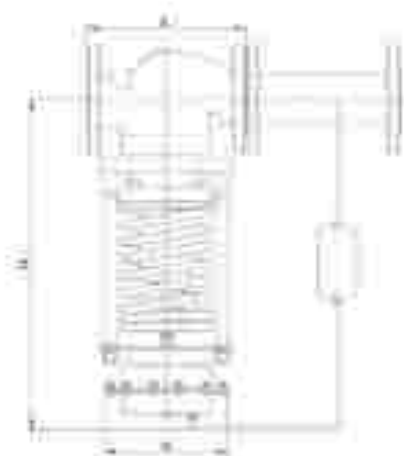
Control accuracy: 1.0%

Pressure feedback accuracy: 1.0%

Leakage rate: Full range: Less than 0.1% (ANSI/ASME, ISO, KOB, JIS, GB)

Sealing: Less than 0.0001%

自力式压力调节阀尺寸图



Kv 值及压力调节范围

口径 DN	Kv 值	调节范围 bar	压力等级 MPa	压力等级 MPa	密封材料	使用温度 °C
20	0.2	2	1.6	40-20	100	0-20
25	0.3	3		40-20	100	0-20
32	0.5	5		40-20	100	0-20
40	0.8	8		40-20	100	0-20
50	1.2	12	2.5	40-20	100	0-20
65	1.8	18		40-20	100	0-20
80	2.5	25		40-20	100	0-20
100	3.5	35		40-20	100	0-20
125	5.0	50	4.0	40-20	100	0-20
150	7.0	70		40-20	100	0-20
200	11.0	110		40-20	100	0-20
250	16.0	160		40-20	100	0-20

口径	20	25	32	40	50	65	80	100	125	150	200	250	300
自力式压力调节阀	10	160	160	200	200	250	310	350	400	480	600	750	1000
自力式压力调节阀	200	200	200	250	310	350	400	480	600	750	1000	1250	1600
自力式压力调节阀	10	160	160	200	200	250	310	350	400	480	600	750	1000
自力式压力调节阀	200	200	200	250	310	350	400	480	600	750	1000	1250	1600
自力式压力调节阀	10	160	160	200	200	250	310	350	400	480	600	750	1000
自力式压力调节阀	200	200	200	250	310	350	400	480	600	750	1000	1250	1600
自力式压力调节阀	10	160	160	200	200	250	310	350	400	480	600	750	1000
自力式压力调节阀	200	200	200	250	310	350	400	480	600	750	1000	1250	1600

角座阀与隔膜阀选型										
阀体部分			附件部分							
阀体	ATE	隔膜阀密封	隔膜阀材料	连接方式	压力等级	气源材料	控制方式	气源附件	电压	附件
● 球阀	A304 A316 D304L D316C S304	● PTFE ● PFA	● EPDM ● PTFE/PA/PTFE	● 螺纹式 ● 法兰式 ● 卡箍式 ● 焊接式 ● 快开式	● PN1.6 ● PN2.5 ● PN4.0 ● PN6.3 ● PN10	● 聚四氟乙烯 ● 不锈钢 ● 铝合金	● 气动开关式 ● 气动执行式	● 电磁阀 ● 限位开关 ● 气源过滤器 ● 电气转换器 ● 气控阀	● AC220V ● DC24V ● 其它	● 密封垫 ● 法兰垫 ● 密封脂

其它阀门系列 Other valve series

气动角座阀
Pneumatic angle seat valve

气动隔膜阀
Pneumatic diaphragm valve

气动角座阀
Pneumatic angle seat valve

电磁阀
Solenoid valve



特征

60% more economical than ball valves
比球阀经济60%
6 times longer service life than ball valves
比球阀使用寿命长6倍
Compact Design
紧凑的设计
Quick response
反应敏捷
Minimal water hammer
冲击比球阀小

易安装

Easy to install
安装接口可在 360 度上任意旋转位置
Gas control interface can fix 180 degrees at any chosen location

Many connection options Weld ends, threaded ports,
Tri-Clamp and flange connections
多种接口选择: 焊接口, 螺纹接口, 法兰接口

Save the water on the machine,
improved to almost competitive
product saving Water 3,000,000
times water
节水为传统, 比同类产品节省水 300 万倍

Automatically adjust the
double packing sealing cover
自动调节双密封圈的密封

Seal with special gas
and oil seal
密封特殊气体和
油密封圈

With pilot air pressure
配有先导气

Maximum-like valve
with long life span
配有大流量和长寿命的阀

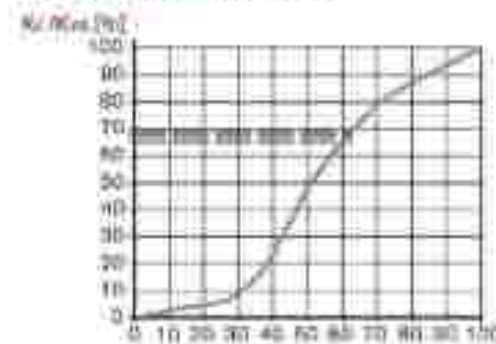
Open no vibration, 40% gas
consumption reduced than the
ordinary valve
无振动开启, 比普通阀减少
40% 耗气量

50% higher flow rates than the Globe valves
比截止阀高 50% 的流量

Close smaller actuators
With less of compressed media
(flow about 10%)
关闭更小执行器, 需
更少压缩空气 (比截止阀低 10%)

在关闭状态下, 需
更少压缩空气 (比截止阀低 10%)

气动角座阀流量特性 Kv 值



技术参数

阀体材质	304, 316, 316L
阀芯材质	304, 316, 316L
阀座材质	PTFE, PAF
使用温度	PTFE: -30°C - 180°C PAF: -20°C - 220°C 密封面材料不限制
环境温度	20°C - 80°C
工作压力	1.0MPa
密封形式	密封 O-RING, O-RING
密封方式	法兰 DN15-DN100 卡箍 DN15-DN40 焊接 DN15-DN40
设计标准	GB, API, DIN, ISO
驱动方式	气动角座阀式
控制方式	开闭型 气开式
气源接口	1/4", 1/2", 3/4", 1"
可通介质	水, 油, 气, 浆料, 腐蚀性液体
适用场合	水, 油, 气, 浆料, 腐蚀性液体



序号	1	2	3	4
名称	气动角座阀	执行器	接头螺母	密封圈
输入信号	4-20mA, 0.5-1.0V			AC220V, 0.5-1.0V
输出信号	电压: 4-20mA, 0.5-1.0V	流量: 2-10L/min	流量: 2-10L/min	流量: 2-10L/min
连接	连接: 螺纹连接, 法兰连接	连接: 螺纹连接, 法兰连接	连接: 螺纹连接, 法兰连接	连接: 螺纹连接, 法兰连接



参数

口径	尺寸	重量	Kv 值	最大压力	工作压力	气源接口	流量	重量 KG
DN10	1/2"	10	2.2	1.0MPa	0.7MPa	1/4"	0.8	0.8
DN15	1/2"	15	4.2	1.0MPa	0.7MPa	1/4"	1.0	1.0
DN20	3/4"	20	8.5	1.0MPa	0.7MPa	1/4"	1.1	1.1
DN25	1"	25	18.0	1.0MPa	0.7MPa	1/4"	1.45	2.0
DN32	1 1/4"	32	27.8	1.0MPa	0.7MPa	1/4"	2.05	2.7
DN40	1 1/2"	40	42.8	1.0MPa	0.7MPa	1/4"	4.0	4.75
DN50	2"	50	55.0	1.0MPa	0.7MPa	1/4"	6.3	6.8
DN65	2 1/2"	65	90	1.0MPa	0.7MPa	1/4"	11.5	14.1
DN80	3"	80		1.0MPa	0.7MPa	1/4"	20.28	23.6
DN100	4"	100		1.0MPa	0.7MPa	1/4"	2.35	



不锈钢气动角座阀尺寸图

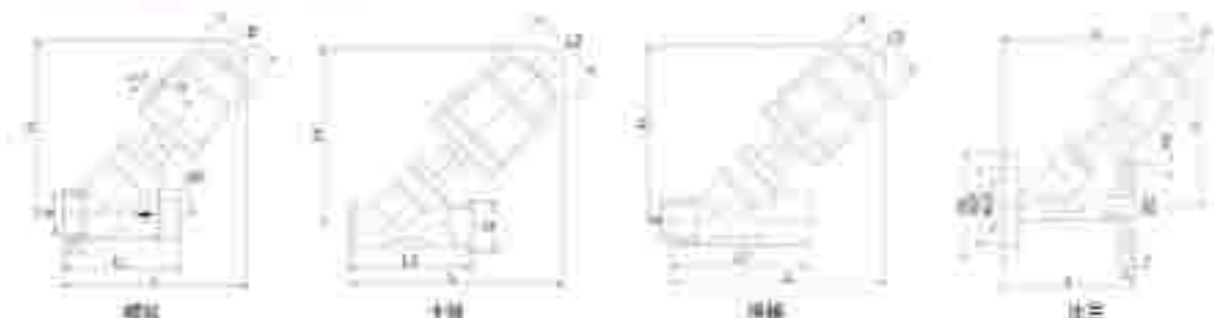


尺寸数据

口径	英寸	解拉式气动角座阀					卡套式气动角座阀					螺柱式气动角座阀					法兰式气动角座阀									
		L	L1	L2	H	L2	L	L1	L2	H	L2	L	L1	H	L2	L	L1	L2	H	L2	L	L1	L2	H	L2	L
DN15	3/8"	135	65	125	115	52																				
DN20	1/2"	175	85	165	125	65	100	120	105	125	65	120	140	115	125	65	120	95	85	45	100	65	135	115	2	4-16
DN25	3/4"	195	95	185	140	65	100	140	105	140	85	180	160	120	140	65	100	105	75	50	105	85	145	145	2	4-16
DN25	1"	215	105	205	155	65	110	160	105	155	85	210	190	125	155	65	110	105	85	60	210	105	175	175	2	4-16
DN40	1-1/4"	320	130	310	240	105	160	240	175	240	105	310	290	160	240	105	160	135	100	70	340	160	215	215	2	4-16
DN40	1-1/2"	325	130	315	245	105	160	245	175	245	105	315	295	160	245	105	160	135	100	70	345	160	215	215	2	4-16
DN50	2"	390	150	380	310	110	170	310	205	310	110	380	360	170	310	110	170	145	110	80	390	170	245	245	2	4-16
DN65	2-1/2"	450	180	440	360	120	200	360	235	360	120	440	420	190	360	120	200	175	120	90	450	190	285	285	2	4-16
DN80	3"	490	200	480	400	125	220	400	255	400	125	480	460	200	400	125	220	195	130	100	490	200	315	315	2	4-16
DN100	4"																									



全不锈钢气动角座阀尺寸图



尺寸数据

口径	英寸	解拉式气动角座阀					卡套式气动角座阀					螺柱式气动角座阀					法兰式气动角座阀									
		L	L1	L2	H	L2	L	L1	L2	H	L2	L	L1	H	L2	L	L1	L2	H	L2	L	L1	L2	H	L2	L
DN15	3/8"	135	65	125	115	52																				
DN20	1/2"	175	85	165	125	65	100	120	105	125	65	120	140	115	125	65	120	95	85	45	100	65	135	115	2	4-16
DN25	3/4"	195	95	185	140	65	100	140	105	140	85	180	160	120	140	65	100	105	75	50	105	85	145	145	2	4-16
DN25	1"	215	105	205	155	65	110	160	105	155	85	210	190	125	155	65	110	105	85	60	210	105	175	175	2	4-16
DN40	1-1/4"	320	130	310	240	105	160	240	175	240	105	310	290	160	240	105	160	135	100	70	340	160	215	215	2	4-16
DN40	1-1/2"	325	130	315	245	105	160	245	175	245	105	315	295	160	245	105	160	135	100	70	345	160	215	215	2	4-16
DN50	2"	390	150	380	310	110	170	310	205	310	110	380	360	170	310	110	170	145	110	80	390	170	245	245	2	4-16
DN65	2-1/2"	450	180	440	360	120	200	360	235	360	120	440	420	190	360	120	200	175	120	90	450	190	285	285	2	4-16
DN80	3"	490	200	480	400	125	220	400	255	400	125	480	460	200	400	125	220	195	130	100	490	200	315	315	2	4-16
DN100	4"																									

气动隔膜阀 Pneumatic diaphragm valve

应用

三物料混合, 生物发酵, 种子培养基, 污水处理等

特征

执行件均采用高纯度隔膜, PA 塑料
可耐强酸碱, 电气隔膜
控制方式多样
阀体有多种结构
零死区设计

Application

Biological fermentation, biological vaccine production,
asthromax, pure water purification, etc.

Features:

Actuator shell is made of high strength polyamide PA plastic
Can be with feedback switch, electrical actuator
Control mode adaptable
Body variety of surface polishing
Zero dead design

气动隔膜阀结构图



序号	名称 Name	输入信号 Input Signal	输出信号 Output signal	功能 Function
1	气动隔膜阀 Pneumatic diaphragm valve	4-20mA, 0-5V, 1-10V	可选: 4-20mA, 0-5V, 1-10V Optional: 4-20mA, 0-5V, 1-10V	精确流量控制, 液体控制 Precise flow control, liquid control
2	限位开关 Limit Switch		内置限位开关 Built-in limit switch	位置反馈, 位置检测 Position feedback, position detection
3	电磁阀 Solenoid valve	AC220V, DC24V		通过电磁阀控制, 控制气路通断 The solenoid valve power for the control air line, control air line on/off
4	反馈开关 Feedback switch		内置反馈开关 Built-in feedback switch	位置反馈, 位置检测 Position feedback, position detection

控制方式 Control mode

根据工况, 选择不同的控制方式, 在满足工况的前提下, 选择合适的控制方式, 操作简单, 成本低。

According to the working conditions, choose the following three control modes. The reasonable selection of the control method can save your money and reduce the maintenance cost.

对于用户, 通常气动隔膜阀在打开时, 需要保持密封。阀门处于打开位置, 需要保持密封。此时, 阀门处于打开位置, 需要保持密封。此时, 阀门处于打开位置, 需要保持密封。

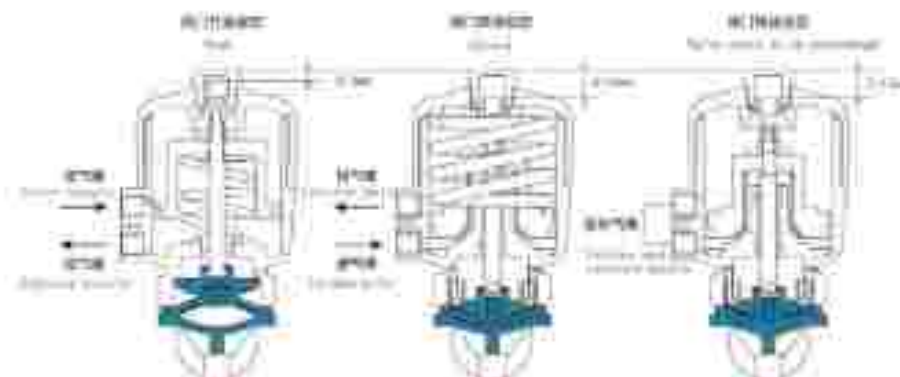
Normally open type user: Suitable for pneumatic valve is in the open time working longer occasion. When the valve is normally open, spring does not add external gas source thrust, then the valve fatigue is a minimum. Because it is for the air pressure to close valve, so need fixed air pressure stability, air supply reliable.

对于用户, 通常气动隔膜阀在打开时, 需要保持密封。阀门处于打开位置, 需要保持密封。此时, 阀门处于打开位置, 需要保持密封。此时, 阀门处于打开位置, 需要保持密封。

Normally closed type user: Suitable for pneumatic valve is in the closed time working longer occasion. For depends on the spring to close, when air pressure to drive the piston push, spring, valve open. So for the normally closed user, the valve working life more long, gas more economical. At the same time when the air supply take, the valve is in the closed state, the control mode is the most reliable mode.

对于用户, 通常气动隔膜阀在打开时, 需要保持密封。阀门处于打开位置, 需要保持密封。此时, 阀门处于打开位置, 需要保持密封。此时, 阀门处于打开位置, 需要保持密封。

Double acting type user: Double acting type refers to the two chambers can be both compressed air separately, realize two-way movement of the cylinder. No spring in the cylinder, the valve opening and closing rapidly, and can be used for large stroke valve, because it is by air pressure to drive valve, so need the fixed gas source stability, air supply reliable.

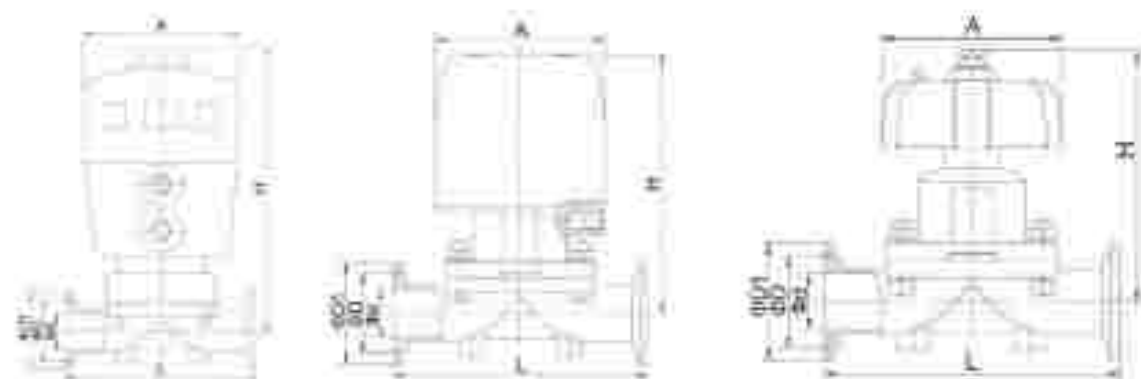


卫生级气动隔膜阀



参数 Parameter

壳体材质 Body material	304, 316, 316L
膜片材质 Diaphragm material	EPDM, 氟橡胶, PTFE EPDM, silicon rubber, PTFE
连接形式 Connection type	卡箍连接, 焊接, 法兰, 螺纹 Clamp type, welding, flange, thread
结构形式 Structure type	直通式 Through type
压力范围 Pressure range	EPDM: 11bar PTFE: 8bar
最高温度 Maximum Temperature	EPDM: 130°C PTFE: 150°C
制造标准 Manufactures Standard	GB, DIN, ISO, SMC
气缸材质 Cylinder material	聚酰胺, 不锈钢 Polyamide, stainless steel
控制方式 Control mode	常闭式, 常开式, 双作用式 Normally closed, normally open, 2-way
气源压力 Air pressure	4-6bar
气动附件 Pneumatic Accessories	电磁阀, 限位开关, 电气过滤器, 空气过滤器减压阀 Solenoid valve, limit switch, electrical filter, air filter-pressure valve



规格 Specification	Φ	D	D1	L	膜片厚度行程 A	行程膜片行程 H	尺寸 A	尺寸 H	尺寸 A	尺寸 H	气源 压力范围 Bar	重量 kg
DN8	8	20.2	24.2	85	64	122					0.5	0.8
DN10	10	25.2	29.2	88	64	127					0.5	0.8
DN15	15	41.3	50.3	106	80	146	81	114	64	98	0.5	0.7
DN20	19	42.8	51.8	110	103	187	82	138	80	128	0.5	1.2
DN25	22.8	47.3	56.3	130	120	179	82	142	90	128	0.5	1.25
DN32	28	45.5	54.5	150	133	175	82	147	114	125	0.5	1.5
DN40	36	43.5	52.5	161	136	209	114	173	114	140	0.5	2.15
DN50	50	50.5	64	172	138	238	114	182	114	150	0.5	3.2

法兰气动隔膜阀



参数 Parameter

壳体材质 Body material	304, 316, 316L, UPVC
膜片材质 Diaphragm material	EPDM, PTFE
衬里材质 Lining material	衬里, 40%, 50%
结构形式 Structure type	直通式
连接形式 Connection type	法兰
压力范围 Pressure range	0-10MPa
最高温度 Maximum Temperature	EPDM: 130°C
气缸材质 Cylinder material	聚酰胺
控制方式 Control mode	常闭式, 常开式, 双作用式
气源压力 Air pressure	4-6bar
气动附件 Pneumatic Accessories	电磁阀, 限位开关, 电气过滤器, 空气过滤器减压阀



规格 Specification	尺寸 Size	L	T	F	E	B	C	H	A	重量 Weight
15	1/2	125	14	2	85	85	45	125	85	4-14
20	3/4	138	18	2	100	75	54	130	128	4-14
25	1	145	18	2	115	80	60	145	128	4-14
32	1-1/4	180	18	2	128	100	75	180	128	4-18
40	1-1/2	190	18	3	145	110	80	205	160	4-18
50	2	210	18	3	160	120	88	205	188	4-18
65	2-1/2	250	22	3	180	145	112	250	188	4-18
80	3	300	25	3	180	160	110	340	188	5-18
100	4	350	25	3	215	180	148	370		5-18
125	5	400	38	3	240	210	180	400		5-18
150	6	450	38	3	280	240	210	450		5-23
200	8	570	38	4	320	280	280	520		5-23

气动三通隔膜阀

参数

阀体材质	304, 316, 316L
膜片材质	EPDM, 氟橡胶, PTFE
驱动方式	气动, 手控隔膜
阀体形式	直通
工作压力	EPDM: 13bar PTFE: 10bar
最高温度	EPDM: 130°C PTFE: 180°C
阀体标准	GB, DIN, ISO, ANSI
密封材质	氟橡胶, 不锈钢
连接方式	法兰式, 螺纹式, 焊接式
气源压力	4-10bar
气源接口	电磁阀, 针阀, 气动, 电气, 气动, 空气过滤器

膜片外形尺寸

膜片尺寸	25x25	37x37	54x49	75x65, 110x78
膜片厚度	DN15-DN15	DN15	DN20-DN22	DN40-DN60
工作压力 EPDM	10bar			
工作压力 PTFE	6			
工作温度 EPDM	130°C			
工作温度 PTFE	180°C			



规格	D	T	L	安装尺寸 (mm)			连接尺寸 (mm)			重量		单位
				O	H	O	D	H	O	O	H	
DN15	18	1.5	82	115	110	147	81	90	117	81	92	25
DN20	21	1.5	115	128	154	147	92	124	152	92	122	35
DN25	28	1.5	140	138	154	147	100	134	152	93	122	35
DN32	35	1.5	160	139	154	147	114	134	152	114	122	80
DN40	41	1.5	185	155	180	147	114	148	152	114	115	105
DN50	53	1.5	185	155	182	147	114	158	152	114	124	125

膜片材质: EPDM, 三元乙丙橡胶, PTFE 聚四氟乙烯, EPDM+PTFE 符合卫生标准, 采用进口材料, 具有卫生、耐腐蚀、使用寿命长、密封性强、适用性广等特点。
Company diaphragm seal: EPDM, PTFE, EPDM+PTFE all meet sanitary standards, using imported raw materials, has the characteristics of high temperature resistance, long service life, strong corrosion resistance, wide applicability.

制药、食品和生物技术专用膜片一览表

Pharmaceutical / Food and Biotechnology special diaphragm list

膜片尺寸	规格	A+B	重量	材质	工作压力	最高温度 (最高 / 最低 / 最高)
	DN15 DN20 DN40	115x92 87x72 100x100	4.8x13 4.8x13 4.8x13	EPDM PTFE PTFE+EPDM	Max. 10bar Max. 10bar Max. 10bar	130°C / 121°C 173°C / 150°C 140°C / 130°C
	DN22 DN25 DN32	55x45 56x54 56x54	4.8x13 4.8x13 4.8x13	EPDM PTFE PTFE+EPDM	Max. 10bar Max. 10bar Max. 10bar	140°C / 121°C 173°C / 150°C 140°C / 130°C
	DN15 DN40	25x25 54x49	4.8x13 4.8x13	EPDM PTFE PTFE+EPDM	Max. 10bar Max. 10bar Max. 10bar	140°C / 121°C 173°C / 150°C 140°C / 130°C



标准技术参数

阀体

接口尺寸: 1/8"-1"
流量范围: 常闭式: 1-250mm³/s
阀体材质: 碳钢, 304, 316
连接方式: 螺纹, NPT 螺纹
压力等级: 0-170bar
结构形式: 1-5mm 直动式
6-25mm 先导式

控制方式: 常开式

附件

密封材质: VITON
工作温度: 0°C - 100°C
环境温度: 0°C - 45°C
安装方式: 按阀体上标记安装, 不得倒置使用。
线圈接线端子, 水平安装
线圈电压: AC24V/110V/220V/230V/240V/50/60Hz
DC24V/12V ±10% 无脉动

Standard technical parameters

Valve body

Interface size: 1/8"-1"
Flow rate: Normally closed type: 1-250mm³/s
Body material: Wrought brass, 304, 316
Connection: G thread, NPT thread
Pressure class: 0-170bar
Structure: 1-5mm for direct acting type; 6-25mm for pilot type
Control type: Normally closed

Components

Seal material: VITON
Medium temperature: 0°C - 100°C
Ambient temperature: 0°C - 45°C
Installation way: According to the body tag to install, in order to
minimize the service life, level and upright, horizontal installation.
Coil voltage: AC24V/110V/220V/230V/240V/50/60Hz
DC24V/12V ±10% fluctuation allowed

高压电磁阀型号规格表

规格 口径	流量 范围 mm	CV 值	最小 压力 MPa	最大工作压力 (kg/cm²)						最大 流量 mm³/s	功率		产品型号		重量 kg	
				最大工作压力							VA AC 220V	WIC 24V				
				常开型		常闭型		常开型					常闭型			
				AC	DC	AC	DC	AC	DC					常开型	常闭型	
1/8"	1.0	0.08	0	100	75	100	75	100	75	110	24	18.5	POG1-1	POG1-1B	0.40	
	1.2	0.08	0	90	70	90	70	90	70	110	24	18.5	POG1-1.2	POG1-1.2B	0.43	
	1.5	0.08	0	75	60	75	60	75	60	110	24	18.5	POG1-1.5	POG1-1.5B	0.43	
	2.0	0.14	0	30	30	30	30	30	30	110	24	18.5	POG1-2	POG1-2B	0.40	
	2.5	0.23	0	20	15	20	15	20	15	110	24	18.5	POG1-2.5	POG1-2.5B	0.40	
1/4"	1.0	0.04	0	100	75	100	75	100	75	110	24	18.5	POG2-1	POG2-1	0.40	
	1.2	0.05	0	90	70	90	70	90	70	110	24	18.5	POG2-1.2	POG2-1.2	0.42	
	1.5	0.08	0	75	60	75	60	75	60	110	24	18.5	POG2-1.5	POG2-1.5	0.42	
	2.0	0.14	0	30	30	30	30	30	30	110	24	18.5	POG2-2	POG2-2	0.42	
	2.5	0.23	0	20	15	20	15	20	15	110	24	18.5	POG2-2.5	POG2-2.5	0.40	
3/8"	10	1.0	0.5	100	75	100	75	100	75	110	30		POG3-8	POG3-8B	1.28	
	15	4.2	1.5	15	55	15	55	55	55	110	30	32	POG3-14	POG3-14B	1.45	
1/2"	6.3	1.0	0.5	100	75	100	75	100	75	110	30	32	POG3-8	POG3-8B	1.28	
	15	4.2	1.0	75	65	75	65	75	65	110	30	32	POG3-15	POG3-15B	1.4	
3/4"	25	7	1.5	80	60	80	60	80	60	110	30	32	POG3-20	POG3-20B	1.7	
1"	25	11	1.5	80	60	80	60	80	60	110	30	32	POG3-25	POG3-25B	2.1	

超高压电磁阀型号规格表

规格 口径	流量 范围 mm³/s	CV 值	最小 压力 MPa	工作压力 (kg/cm²)						最大 流量 mm³/s	功率		产品型号		重量 kg
				最大工作压力							VA AC 220V	W DC 24V	线圈材料		
				常开型		常闭型		耐压=2000V					铜线	不锈钢	
				AC	DC	AV	DC	AC	DC						
1/8"	1.0	0.04	0	110	110	110	110	110	110	110	15	17	PO21-1	PO21-1B	0.42
	1.2	0.05	0	100	100	100	100	100	100	110	15	17	PO21-1.2	PO21-1.2B	0.42
	1.5	0.08	0	100	80	100	80	100	80	110	15	17	PO21-1.5	PO21-1.5B	0.40
	2.0	0.14	0	30	30	30	30	30	30	110	15	17	PO21-2	PO21-2B	0.43
	2.5	0.23	0	30	30	30	30	30	30	110	15	17	PO21-2.5	PO21-2.5B	0.43
	3.0	0.28	0	30	30	30	30	30	30	110	15	17	PO21-3	PO21-3B	
1/4"	1.0	0.04	0	100	75	100	75	100	75	110	15	17	PO23-1	PO23-1B	0.40
	1.2	0.05	0	90	70	90	70	90	70	110	15	17	PO23-1.2	PO23-1.2B	0.42
	1.5	0.08	0	75	60	75	60	75	60	110	15	17	PO23-1.5	PO23-1.5B	0.42
	2.0	0.14	0	30	30	30	30	30	30	110	15	17	PO23-2	PO23-2B	0.42
	2.5	0.23	0	20	15	20	15	20	15	110	15	17	PO23-2.5	PO23-2.5B	0.42
	3.0	0.28	0	30	20	30	20	30	20	110	15	17	PO23-3	PO23-3B	1.28
3/8"	3.5	0.23	0	50	40	40	40	50	30	110	15	17	PO23-3.5	PO23-3.5B	1.28
	3.0	0.25	0	30	30	30	20	20	13	110	15	17	PO23-3	PO23-3B	1.40



标准技术参数

阀体

接口尺寸: 3/8-2"
流量规格: 15-50mm
阀体材质: 304, 316 不锈钢
连接方式: G 螺纹, NPT 螺纹, 法兰
压力等级: 0.5-16bar
结构形式: 全通式
控制方式: 直动式

组件

密封材质: TEFLON, 石墨
介质温度: 0°C-250°C
环境温度: 0°C-70°C
安装方式: 按照体上标记进行安装, 为增强使用寿命, 应垂直安装, 水平安装
使用电压: AC24V/110V/220V/230V/240V 50/60Hz
OCoV12V ±10% 允许波动
控制信号: 4-20mA
密封介质: 高温导热油, 蒸汽等腐蚀性介质

型号规格表

接口尺寸	流量规格 mm	CV 值	工作压力范围 (kgf/cm ²)		最大温度 °C	接口尺寸 长 × 宽 × 高	产品型号 (以下参数均为 200VAC 50/60Hz)
			最小值	最大值			
3/8"	15	4.5	0.5	16	18	75 × 52 × 118	POH-11
1/2"	15	4.5	0.5	16	18	75 × 52 × 118	POH-11
3/4"	20	8.6	0.5	16	18	88 × 60 × 171	POH-20
1"	25	12	0.5	16	18	110 × 70 × 178	POH-25
1 1/4"	35	28	0.5	16	18	125 × 80 × 196	POH-35
1 1/2"	50	32	0.5	16	18	125 × 90 × 198	POH-40
2"	65	45	0.5	16	18	140 × 110 × 215	POH-50
法兰连接	25	12	0.5	16	18	长 85 × 133 孔距 40 154 × 110 × 218	POH-25F
	32	25	0.5	16	18	长 85 × 172 孔距 40 180 × 135 × 230	POH-32F
	40	32	0.5	16	18	长 85 × 172 孔距 40 180 × 145 × 235	POH-40F
	50	45	0.5	16	18	长 85 × 172 孔距 40 200 × 155 × 250	POH-50F

Standard technical parameters

Valve body

Interface size: 3/8-2"
Flow size: Normally closed type: 15-50mm
Body material: SS4
Connection: G thread, NPT thread, flange
Pressure class: 0.5-16bar
Structure: plug type
Control type: Normally closed

Components

Seal material: TEFLON, Graphite
Medium temperature: 0°C-250°C
Ambient temperature: 0°C-70°C
Installation way: According to the body tag to install, in order to enhance the service life, seal coil upward, horizontal installation.
Cable voltage: AC24V/110V/220V/230V/240V 50/60Hz
OCoV12V ±10% fluctuation allowed
Cable signal: 4-20mA
Applicable medium: High temperature conductive oil, steam and other high temperature medium



标准技术参数

阀体

接口尺寸: M6-1"
流量规格: 常闭式: 2-25mm
阀体材质: TEFLON
连接方式: G 螺纹
压力等级: 0-16bar
结构形式: 直动式
控制方式: 常闭式

组件

密封材质: TEFLON, VITON
介质温度: 0°C-200°C
环境温度: 0°C-65°C
安装方式: 按照体上标记进行安装, 为增强使用寿命, 应垂直安装, 水平安装
使用电压: AC24V/110V/220V/230V/240V 50/60Hz
OCoV12V ±10% 允许波动

型号规格表

接口尺寸	流量规格 mm	工作压力范围 (kgf/cm ²)	最大 温度℃	外形尺寸 长×宽	产品型号
1/8"× 1/4"内接式	2	0.2	42℃	28×42	POF-2
	3			38×52	POF-3
1/2"	10	0.1		65×120	POF-10
3/8"	20			38×145	POF-20
1"	25	0.05		30×150	POF-25

Standard technical parameters

Valve body

Interface size: M6-1"
Flow size: Normally closed type: 2-25mm
Body material: TEFLON
Connection: G thread
Pressure class: 0-16bar
Structure: direct acting type
Control type: Normally closed

Components

Seal material: TEFLON, VITON
Medium temperature: 0°C-200°C
Ambient temperature: 0°C-65°C
Installation way: According to the body tag to install, in order to enhance the service life, seal coil upward, horizontal installation.
Cable voltage: AC24V/110V/220V/230V/240V 50/60Hz
OCoV12V ±10% fluctuation allowed



标准技术参数

阀体

接口尺寸: 1/8"~1/2"
阀体长度: 安装式: 15~40mm
阀体材质: 黄铜
连接方式: G 螺纹, NPT 螺纹, 法兰
压力等级: 4-20bar
结构形式: 1-4mm 直动式
15-40mm 先导式
控制形式: 常闭式

阀件

密封材质: TEFLON
介质温度: 低温: -100°C ~ -10°C
常温: 0°C ~ +200°C
注: 在介质的温度不在上述范围, 请选用其它型号电磁阀
环境温度: -20°C ~ +60°C
安装方式: 按阀体上标记进行安装;
为时短接两线, 或两线并上, 或平接
检测电压: AC24V/110V/220V/240V/50/60Hz
DC24V/12V ±10% 直流电压
使用寿命: 100万次, 有故障;
防爆型: 符合 ATEX 标准, 符合 IECEx
二硫化碳 (COS) 等

Standard technical parameters

Valve body

Interface size: 1/8"~1/2"
Flow size: normally closed: 15~40mm
Body material: Wrought brass
Connection: G thread, NPT thread, Flange
Pressure rating: 4-20bar
Structure: 1-4mm for direct acting
15-40mm for pilot type
Control type: Normally closed type

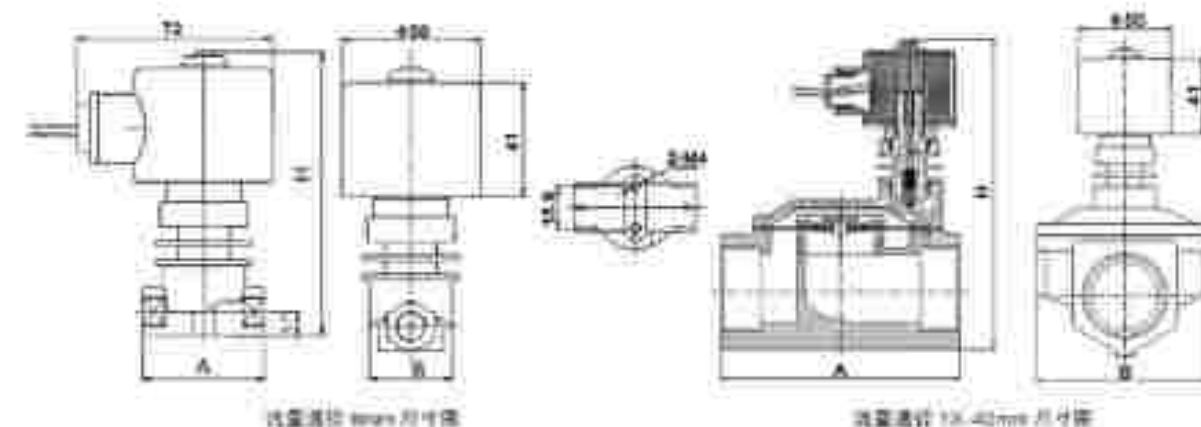
Components

Seal material: TEFLON
Medium temperature: Low temp: -100°C ~ -10°C
High temp: 0°C ~ +200°C
Note: when the temperature of the medium is not in this range,
please use other types of electromagnetic valve
Ambient temperature: -20°C ~ +60°C
Installation way: According to the body tag to install. In order to
ensure the service life, line not adjacent, horizontal installation
Air voltage: AC24V/110V/220V/240V/50/60Hz
DC24V/12V ±10% fluctuation allowed
Applicable medium: High temperature steam, nonoxidative oil
Low temperature such as: liquid (LPG), nitrogen (N2), argon (Ar),
carbon dioxide (CO2) etc.

型号规格表

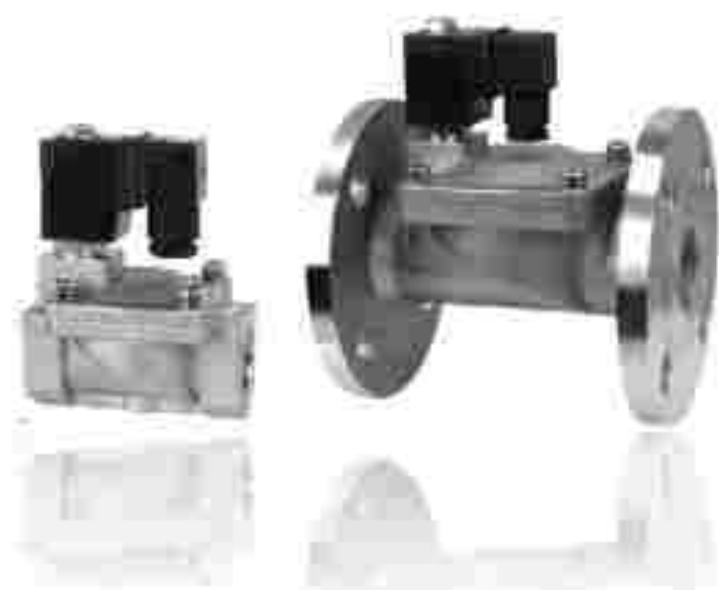
接口尺寸	流量 L/min	CV 值	压力等级 (MPa)			介质温度		接口尺寸	材料	重量 (kg)
			最小 压力	最大 压力	额定 压力	范围	范围			
1/8"	1.0	0.06	0	30	30	-100°C ~ +100°C	0°C ~ +200°C	44 x 31 x 104	POB1-1.0	0.8
	2.0	0.14	0	30	30	-100°C ~ +100°C	0°C ~ +200°C	44 x 31 x 104	POB1-2.0	0.8
	3.0	0.25	0	15	15	-100°C ~ +100°C	0°C ~ +200°C	44 x 31 x 104	POB1-3.0	0.8
	3.0	0.3	0	10	10	-100°C ~ +100°C	0°C ~ +200°C	44 x 31 x 104	POB1-3.0	0.8
	4.0	0.4	0	7	7	-100°C ~ +100°C	0°C ~ +200°C	44 x 31 x 104	POB1-4.0	0.8
1/4"	1.0	0.06	0	30	30	-100°C ~ +100°C	0°C ~ +200°C	44 x 31 x 104	POB2-1.0	0.8
	2.0	0.14	0	30	30	-100°C ~ +100°C	0°C ~ +200°C	44 x 31 x 104	POB2-2.0	0.8
	3.0	0.25	0	15	15	-100°C ~ +100°C	0°C ~ +200°C	44 x 31 x 104	POB2-3.0	0.8
	3.0	0.3	0	10	10	-100°C ~ +100°C	0°C ~ +200°C	44 x 31 x 104	POB2-3.0	0.8
	4.0	0.4	0	7	7	-100°C ~ +100°C	0°C ~ +200°C	44 x 31 x 104	POB2-4.0	0.8
3/8"	5	0.55	0	5	5	-100°C ~ +100°C	0°C ~ +200°C	44 x 31 x 104	POB3-5.0	0.8
	6	0.6	0	4	4	-100°C ~ +100°C	0°C ~ +200°C	44 x 31 x 104	POB3-6.0	0.8
	12	4.2	1	15	15	-50°C ~ +100°C	0°C ~ +150°C	66 x 48 x 152	POB3-12.0	1.1
1/2"	5	0.45	0	5	5	-100°C ~ +100°C	0°C ~ +200°C	44 x 31 x 104	POB5-5.0	0.8
	6	0.6	0	4	4	-100°C ~ +100°C	0°C ~ +200°C	44 x 31 x 104	POB5-6.0	0.8
	12	4.2	1	15	15	-50°C ~ +100°C	0°C ~ +150°C	66 x 48 x 152	POB5-12.0	1.1
3/4"	20	7.5	1	15	15	-50°C ~ +100°C	0°C ~ +150°C	75 x 58 x 165	POB-20.0	1.2
1"	25	11.5	1	15	15	-50°C ~ +100°C	0°C ~ +150°C	96 x 70 x 175	POB-25.0	1.7
1.1/4"	32	22	1	15	15	-50°C ~ +100°C	0°C ~ +150°C	121 x 85 x 195	POB-32.0	2.2
1.1/2"	40	28	1	15	15	-50°C ~ +100°C	0°C ~ +150°C	151 x 95 x 195	POB-40.0	3.2
2"	25	11.5	1	15	15	-50°C ~ +100°C	0°C ~ +150°C	142 x 105 x 225	POB-25F	1.5
	32	22	1	15	15	-50°C ~ +100°C	0°C ~ +150°C	161 x 115 x 230	POB-32F	2.8
3"	40	28	1	15	15	-50°C ~ +100°C	0°C ~ +150°C	181 x 145 x 235	POB-40F	2.8

1/8" - 1/2" 流量通过 6mm 以下尺寸图



流量通过 6mm 尺寸图

流量通过 15-40mm 尺寸图



标准技术参数

阀体

接口尺寸: 1/8"-2"
连接螺纹: G, NPT
阀体材质: 碳钢, 304, 316
连接方式: G 螺纹, NPT 螺纹, 法兰
压力等级: 0-10bar
结构形式: 常闭式 (常开式需特别订购/需 220V 电压)
控制方式: 常闭式, 常开式

附件

密封材质: NBR, EPDM, OTC
Viton, 4°C-120°C
特殊材质: VITON
安装方式: 垂直向上或向下安装,
大口径建议垂直安装, 倾斜度不超过 15°, 水平安装
控制电压: AC24V/110V/220V/230V/240V/380V/415V
DC24V/12V 40% 波动量
防爆等级: 可选 EX-ib II B T4

Standard technical parameters

Valve body

Interface size: 1/8"-2"
Flow size: 3-100mm
Body material: Wrought steel, 304, 316
Connector: G thread, NPT thread, flange
Pressure class: 0-10bar
Structure: Flat type (Flat head type) or lifting (Lifting head type)
Control type: Normally closed

Components

Seal material: NBR/OTC/Viton
Viton 4°C-120°C
Ambient temperature: 0°C-65°C
Installation way: According to the body (up or down), or according to customer's service (left, top, bottom, horizontal installation)
Call voltage: AC24V/110V/220V/230V/240V/380V/415V
DC24V/12V ± 10% fluctuation allowed
Explosion-proof class: Optional EX-ib II B T4

型号规格表 常闭式

接口尺寸	流量 mm	CV 值	最小 压力	最大工作压力 (bar)			功率		防爆形式	重量 kg	产品型号	
				空气 密封	水、油、 酸、碱	纯油 ≤ 3000T	VA AC220V	W DC24V			常开	常闭
1/8"	3	0.22	0	13	13	10	22	12	40×25×20	0.27	POP-3	POP-3B
	5	0.65	0	4	2.5	2.5	22	15	47×35×25	0.37	POP-5	POP-5B
	8	0.8	0	3	2	2	22	12	53×35×28	0.39	POP-8	POP-8B
1/4"	6	0.65	0	4	4	2.5	22	15	53×35×28	0.48	POP-6	POP-6B
	8	0.8	0	3	2	2	22	12	53×35×28	0.48	POP-8	POP-8B
	12	4.0	0.5	18	18	15	22	15	88×48×112	0.75	POP-12	POP-12B
1/2"	6	0.65	0	4	4	2.5	22	15	53×35×28	0.48	POP-6	POP-6B
	8	0.8	0	3	2	2	22	12	53×35×28	0.48	POP-8	POP-8B
	12	4.0	0.5	18	18	15	22	15	88×48×112	0.75	POP-12	POP-12B
3/4"	20	7.6	0.5	18	18	15	22	15	75×58×110	0.8	POP-20	POP-20B
	25	12	0.5	18	18	15	22	15	121×95×148	2.3	POP-25	POP-25B
	40	30	0.5	18	18	15	22	15	121×95×148	2.3	POP-40	POP-40B
1"	40	40	0.5	18	18	15	22	15	185×110×167	4.4	POP-40	POP-40B
	25	12	0.5	18	18	15	22	15	121×95×148	2.3	POP-25	POP-25B
	30	20	0.5	18	18	15	22	15	185×110×167	4.4	POP-30	POP-30B
1 1/2"	40	30	0.5	18	18	15	22	15	121×95×148	2.3	POP-40	POP-40B
	50	40	0.5	18	18	15	22	15	185×110×167	4.4	POP-50	POP-50B
	60	50	0.5	18	18	15	22	15	225×135×200	13.5	POP-60	POP-60B
2"	80	80	0.5	18	18	15	22	15	225×135×200	13.5	POP-80	POP-80B
	100	100	0.5	18	18	15	22	15	302×172×267	22	POP-100	POP-100B

型号规格表 常开式

规格 口径	流量 L/min	CV 值	最小 压力	最大工作压力 (bar)			功率		防爆 等级	尺寸 mm	重量 kg	产品型号	
				空气 密封	水、油、 酸、碱	纯油 ≤ 3000T	VAAC 220V	WDC 24V				常开	常闭
1/8"	1	0.04	0	30	30	25	22	12	F	40×25×20	0.4	POP-1H	POP-1HB
	1.5	0.09	0	20	20	15	22	15	F	47×35×25	0.4	POP-1.5H	POP-1.5HB
	2.5	0.2	0	10	10	10	22	15	F	47×35×30	0.4	POP-2.5H	POP-2.5HB
	3	0.3	0	12	12	10	22	15	F	42×25×30	0.4	POP-3H	POP-3HB
	4	0.4	0	8	8	8	22	15	F	47×35×30	0.4	POP-4H	POP-4HB
3/8"	12	4.0	0.5	8	8	7	33	32	F	96×48×128	0.85	POP-12H	POP-12HB
1/2"	15	4.0	0.5	8	8	7	33	32	F	96×48×128	0.85	POP-15H	POP-15HB
3/4"	20	7.6	0.5	8	8	7	33	32	F	75×58×120	1.1	POP-20H	POP-20HB
1"	25	12	0.5	8	8	7	33	32	F	96×70×140	1.5	POP-25H	POP-25HB
1 1/4"	30	20	0.5	8	8	7	33	32	F	121×95×158	2.3	POP-30H	POP-30HB
1 1/2"	40	30	0.5	8	8	7	33	32	F	121×95×158	2.3	POP-40H	POP-40HB
2"	50	40	0.5	8	8	7	33	32	F	185×110×167	4.4	POP-50H	POP-50HB
2 1/2" 4 分 规格	25	12	0.5	8	8	7	33	32	F	185×110×167	4.4	POP-25H	POP-25HB
	30	20	0.5	8	8	7	33	32	F	185×110×167	4.4	POP-30H	POP-30HB
	40	30	0.5	8	8	7	33	32	F	225×135×200	13.5	POP-40H	POP-40HB
	50	40	0.5	8	8	7	33	32	F	225×135×200	13.5	POP-50H	POP-50HB

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标准技术参数

阀体

接口尺寸: 1/4" - 2"
流量口径: 常闭式: 2.5-100mm
常开式: 2.5-100mm
阀体材质: 铸钢, 304, 316
连接方式: 螺纹, NPT 螺纹, 法兰
压力等级: 0.5-25bar
结构形式: 先导式 (普通先导式) 或直动式 (直动式)
控制方式: 常闭式, 常开式

密封

密封材料: TEFLON, 0°C-180°C
VITON: 0°C-130°C (密封性能较差时, 可用于常开阀, 压力达 20bar)
注: 选用 TEFLON 密封, 必须必须使用 100 磅, 否则选择 VITON
密封温度: 0°C-180°C
密封材料: NPT
密封方式: 密封面上有密封环, 密封环上, 密封环上, 密封环上, 密封环上
密封材料: AC24V/115V/230V/240V/250V/260V/270V/280V/290V/300V/310V/320V/330V/340V/350V/360V/370V/380V/390V/400V/410V/420V/430V/440V/450V/460V/470V/480V/490V/500V/510V/520V/530V/540V/550V/560V/570V/580V/590V/600V/610V/620V/630V/640V/650V/660V/670V/680V/690V/700V/710V/720V/730V/740V/750V/760V/770V/780V/790V/800V/810V/820V/830V/840V/850V/860V/870V/880V/890V/900V/910V/920V/930V/940V/950V/960V/970V/980V/990V/1000V/1010V/1020V/1030V/1040V/1050V/1060V/1070V/1080V/1090V/1100V/1110V/1120V/1130V/1140V/1150V/1160V/1170V/1180V/1190V/1200V/1210V/1220V/1230V/1240V/1250V/1260V/1270V/1280V/1290V/1300V/1310V/1320V/1330V/1340V/1350V/1360V/1370V/1380V/1390V/1400V/1410V/1420V/1430V/1440V/1450V/1460V/1470V/1480V/1490V/1500V/1510V/1520V/1530V/1540V/1550V/1560V/1570V/1580V/1590V/1600V/1610V/1620V/1630V/1640V/1650V/1660V/1670V/1680V/1690V/1700V/1710V/1720V/1730V/1740V/1750V/1760V/1770V/1780V/1790V/1800V/1810V/1820V/1830V/1840V/1850V/1860V/1870V/1880V/1890V/1900V/1910V/1920V/1930V/1940V/1950V/1960V/1970V/1980V/1990V/2000V/2010V/2020V/2030V/2040V/2050V/2060V/2070V/2080V/2090V/2100V/2110V/2120V/2130V/2140V/2150V/2160V/2170V/2180V/2190V/2200V/2210V/2220V/2230V/2240V/2250V/2260V/2270V/2280V/2290V/2300V/2310V/2320V/2330V/2340V/2350V/2360V/2370V/2380V/2390V/2400V/2410V/2420V/2430V/2440V/2450V/2460V/2470V/2480V/2490V/2500V/2510V/2520V/2530V/2540V/2550V/2560V/2570V/2580V/2590V/2600V/2610V/2620V/2630V/2640V/2650V/2660V/2670V/2680V/2690V/2700V/2710V/2720V/2730V/2740V/2750V/2760V/2770V/2780V/2790V/2800V/2810V/2820V/2830V/2840V/2850V/2860V/2870V/2880V/2890V/2900V/2910V/2920V/2930V/2940V/2950V/2960V/2970V/2980V/2990V/3000V/3010V/3020V/3030V/3040V/3050V/3060V/3070V/3080V/3090V/3100V/3110V/3120V/3130V/3140V/3150V/3160V/3170V/3180V/3190V/3200V/3210V/3220V/3230V/3240V/3250V/3260V/3270V/3280V/3290V/3300V/3310V/3320V/3330V/3340V/3350V/3360V/3370V/3380V/3390V/3400V/3410V/3420V/3430V/3440V/3450V/3460V/3470V/3480V/3490V/3500V/3510V/3520V/3530V/3540V/3550V/3560V/3570V/3580V/3590V/3600V/3610V/3620V/3630V/3640V/3650V/3660V/3670V/3680V/3690V/3700V/3710V/3720V/3730V/3740V/3750V/3760V/3770V/3780V/3790V/3800V/3810V/3820V/3830V/3840V/3850V/3860V/3870V/3880V/3890V/3900V/3910V/3920V/3930V/3940V/3950V/3960V/3970V/3980V/3990V/4000V/4010V/4020V/4030V/4040V/4050V/4060V/4070V/4080V/4090V/4100V/4110V/4120V/4130V/4140V/4150V/4160V/4170V/4180V/4190V/4200V/4210V/4220V/4230V/4240V/4250V/4260V/4270V/4280V/4290V/4300V/4310V/4320V/4330V/4340V/4350V/4360V/4370V/4380V/4390V/4400V/4410V/4420V/4430V/4440V/4450V/4460V/4470V/4480V/4490V/4500V/4510V/4520V/4530V/4540V/4550V/4560V/4570V/4580V/4590V/4600V/4610V/4620V/4630V/4640V/4650V/4660V/4670V/4680V/4690V/4700V/4710V/4720V/4730V/4740V/4750V/4760V/4770V/4780V/4790V/4800V/4810V/4820V/4830V/4840V/4850V/4860V/4870V/4880V/4890V/4900V/4910V/4920V/4930V/4940V/4950V/4960V/4970V/4980V/4990V/5000V/5010V/5020V/5030V/5040V/5050V/5060V/5070V/5080V/5090V/5100V/5110V/5120V/5130V/5140V/5150V/5160V/5170V/5180V/5190V/5200V/5210V/5220V/5230V/5240V/5250V/5260V/5270V/5280V/5290V/5300V/5310V/5320V/5330V/5340V/5350V/5360V/5370V/5380V/5390V/5400V/5410V/5420V/5430V/5440V/5450V/5460V/5470V/5480V/5490V/5500V/5510V/5520V/5530V/5540V/5550V/5560V/5570V/5580V/5590V/5600V/5610V/5620V/5630V/5640V/5650V/5660V/5670V/5680V/5690V/5700V/5710V/5720V/5730V/5740V/5750V/5760V/5770V/5780V/5790V/5800V/5810V/5820V/5830V/5840V/5850V/5860V/5870V/5880V/5890V/5900V/5910V/5920V/5930V/5940V/5950V/5960V/5970V/5980V/5990V/6000V/6010V/6020V/6030V/6040V/6050V/6060V/6070V/6080V/6090V/6100V/6110V/6120V/6130V/6140V/6150V/6160V/6170V/6180V/6190V/6200V/6210V/6220V/6230V/6240V/6250V/6260V/6270V/6280V/6290V/6300V/6310V/6320V/6330V/6340V/6350V/6360V/6370V/6380V/6390V/6400V/6410V/6420V/6430V/6440V/6450V/6460V/6470V/6480V/6490V/6500V/6510V/6520V/6530V/6540V/6550V/6560V/6570V/6580V/6590V/6600V/6610V/6620V/6630V/6640V/6650V/6660V/6670V/6680V/6690V/6700V/6710V/6720V/6730V/6740V/6750V/6760V/6770V/6780V/6790V/6800V/6810V/6820V/6830V/6840V/6850V/6860V/6870V/6880V/6890V/6900V/6910V/6920V/6930V/6940V/6950V/6960V/6970V/6980V/6990V/7000V/7010V/7020V/7030V/7040V/7050V/7060V/7070V/7080V/7090V/7100V/7110V/7120V/7130V/7140V/7150V/7160V/7170V/7180V/7190V/7200V/7210V/7220V/7230V/7240V/7250V/7260V/7270V/7280V/7290V/7300V/7310V/7320V/7330V/7340V/7350V/7360V/7370V/7380V/7390V/7400V/7410V/7420V/7430V/7440V/7450V/7460V/7470V/7480V/7490V/7500V/7510V/7520V/7530V/7540V/7550V/7560V/7570V/7580V/7590V/7600V/7610V/7620V/7630V/7640V/7650V/7660V/7670V/7680V/7690V/7700V/7710V/7720V/7730V/7740V/7750V/7760V/7770V/7780V/7790V/7800V/7810V/7820V/7830V/7840V/7850V/7860V/7870V/7880V/7890V/7900V/7910V/7920V/7930V/7940V/7950V/7960V/7970V/7980V/7990V/8000V/8010V/8020V/8030V/8040V/8050V/8060V/8070V/8080V/8090V/8100V/8110V/8120V/8130V/8140V/8150V/8160V/8170V/8180V/8190V/8200V/8210V/8220V/8230V/8240V/8250V/8260V/8270V/8280V/8290V/8300V/8310V/8320V/8330V/8340V/8350V/8360V/8370V/8380V/8390V/8400V/8410V/8420V/8430V/8440V/8450V/8460V/8470V/8480V/8490V/8500V/8510V/8520V/8530V/8540V/8550V/8560V/8570V/8580V/8590V/8600V/8610V/8620V/8630V/8640V/8650V/8660V/86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0V/16010V/16020V/16030V/16040V/16050V/16060V/16070V/16080V/16090V/16100V/16110V/16120V/16130V/16140V/16150V/16160V/16170V/16180V/16190V/16200V/16210V/16220V/16230V/16240V/16250V/16260V/16270V/16280V/16290V/16300V/16310V/16320V/16330V/16340V/16350V/16360V/16370V/16380V/16390V/16400V/16410V/16420V/16430V/16440V/16450V/16460V/16470V/16480V/16490V/16500V/16510V/16520V/16530V/16540V/16550V/16560V/16570V/16580V/16590V/16600V/16610V/16620V/16630V/16640V/16650V/16660V/16670V/16680V/16690V/16700V/16710V/16720V/16730V/16740V/16750V/16760V/16770V/16780V/16790V/16800V/16810V/16820V/16830V/16840V/16850V/16860V/16870V/16880V/16890V/16900V/16910V/16920V/16930V/16940V/16950V/16960V/16970V/16980V/16990V/17000V/17010V/17020V/17030V/17040V/17050V/17060V/17070V/17080V/17090V/17100V/17110V/17120V/17130V/17140V/17150V/17160V/17170V/17180V/17190V/17200V/17210V/17220V/17230V/17240V/17250V/17260V/17270V/17280V/17290V/17300V/17310V/17320V/17330V/17340V/17350V/17360V/17370V/17380V/17390V/17400V/17410V/17420V/17430V/17440V/17450V/17460V/17470V/17480V/17490V/17500V/17510V/17520V/17530V/17540V/17550V/17560V/17570V/17580V/17590V/17600V/17610V/17620V/17630V/17640V/17650V/17660V/17670V/17680V/17690V/17700V/17710V/17720V/17730V/17740V/17750V/17760V/17770V/17780V/17790V/17800V/17810V/17820V/17830V/17840V/17850V/17860V/17870V/17880V/17890V/17900V/17910V/17920V/17930V/17940V/17950V/17960V/17970V/17980V/17990V/18000V/18010V/18020V/18030V/18040V/18050V/18060V/18070V/18080V/18090V/18100V/18110V/18120V/18130V/18140V/18150V/18160V/18170V/18180V/18190V/18200V/18210V/18220V/18230V/18240V/18250V/18260V/18270V/18280V/18290V/18300V/18310V/18320V/18330V/18340V/18350V/18360V/18370V/18380V/18390V/18400V/18410V/18420V/18430V/18440V/18450V/18460V/18470V/18480V/18490V/18500

Pneumatic knife gate valve is a kind of gate valve, linear stroke cut-off valve, fixed of stroke edge, has a certain shut-off rate of the medium, suitable for containing fiber and solid granules medium and sewage water treatment systems, used in papermaking, mining, chemical and other automatic control systems.



2000年12月15日

汽油发动机					汽油发动机排放标准					汽油发动机排放标准									
DN	A	B	C	D	PM10		A	B	C	D	PM10		A	B	C	D			
					1-2	3-4					1-2	3-4							
50	40	400	500	100	120	2.18	2.18	40	400	400	100	120	2.18						
55	45	500	550	100	145	2.18	2.18	45	500	500	145	2.18							
60	50	550	600	100	160	6.18	2.18	50	550	550	160	6.18							
100	51	610	710	700	160	6.18	2.18	51	610	520	120	6.18	51	610	710	120	160	2.18	
120	52	670	780	100	210	6.18	2.18	52	700	1000	120	210	4.18	51	610	710	120	210	2.18
150	57	790	900	120	240	6.20	2.20	57	790	1200	180	240	4.20	57	790	900	180	240	2.20
200	72	900	1115	180	295	6.22	6.22	72	900	1500	200	295	6.22	72	900	1115	290	295	6.22
280	75	1150	1340	260	360	6.26	6.26	75	1170	1800	280	360	6.26	75	1170	1340	280	360	6.26
300	76	1200	1340	270	410	6.26	6.26	76	1200	2100	300	410	6.26	76	1200	1340	300	410	6.26
300	76	1200	1340	300	470	15.26	6.26	76	1400	2300	300	470	15.26	76	1500	1770	350	470	6.26
400	88	1670	1920	380	520	15.30	6.27	88	1820	2800	380	520	15.34	88	1700	1940	350	520	6.27
450	88	1880	2170	300	580	15.30	6.27	88	1700	2800	350	580	15.34						
500	114	2270	2680	380	600	12.33	6.30	114	1900	3500	400	600	15.34						
1000	114	2290	2680	380	775	12.36	6.33	114	2120	3740	400	770	15.27						

执行器系列 Actuator series

POADA 气动执行器
POADA pneumatic actuator

PCE 电动执行器
PCE electric actuator

PQQ 防爆电动执行器
PQQ explosion-proof electric actuator

POA 带/不带手轮电动执行器
POA free wheel motor-control electric actuator



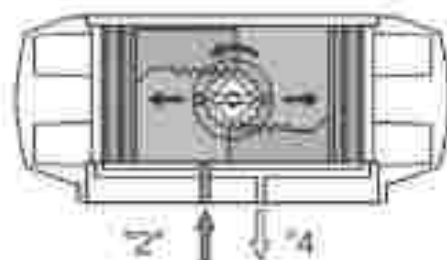
标准技术参数

指示器 Indicator	NAMUR 标准指示器, 易于安装限位开关, 限位器密封材料 NAMUR standard indicator, easy to install valve accessories with no limit switch, positioned
输出轴 Output shaft	铸钢合金钢, 符合统一输出轴符合 NAMUR, ISO5211, DIN3337 标准。 Plating nickel alloy steel, high precision one-piece output shaft in accordance with NAMUR, with ISO5211 DIN3337 standard.
缸体 Cylinder	ASTM6061 压铸铝合金缸体, 采用硬氧化 ASTM6061 die-casting aluminum alloy cylinder, with hard anodized
缸盖 Endcap	从压铸合金表面金属粉末喷涂各种颜色 Die-casting aluminum powder spraying a variety of colors
活塞 Pistons	双活塞活塞, 采用特殊阳极氧化或表面镀锌处理, 安装位置对称, 操作迅速, 使用寿命长, 简单快速即可改变 旋转方向。 Double piston rank, adopts hard anodized aluminum or steel steel galvanized processing, symmetric mounting position, fast operation, long service life, simple upside down the piston can change the direction of rotation.
行程调节 Travel adjustment	通过独立行程调节螺钉可以任意行程, 精度 ±0.1° 的调节范围。 Two independent stroke adjustment screws can be easily and precisely adjustable of ±0.1° open and closed position.
弹簧 Spring	高性能弹簧采用优质材料, 强度高, 弹性好, 简单快速即可改变行程, 通过改变弹簧数量可以满足不同的力矩输出范围。 High performance springs using high quality materials, coating treatment, pre-loading assembly, thereby remove the single-acting actuator by changing spring quantity to meet different torque output range.
轴承 Bearing	轴承, 密封, 采用低摩擦, 长寿命合金材料, 避免了金属与金属的直接接触, 维修更换简单快捷。 Bearing, glaze. Using low friction, long-life compound material, to avoid the direct contact between metals, repair and replacement are easy and convenient.
密封件 Seal	采用硅橡胶密封件, 高弹性低摩擦系数密封件。 Normal temperature using nitrile O-ring rubber, high or low temperatures using fluoro rubber or silicone rubber
控制方式 Control	双作用, 单作用 Double acting, single acting
气源附件 Accessories	快拆接头, 限位开关, 限位器, 限位器密封材料, 限位器密封材料, 限位器密封材料, 限位器密封材料 Available accessories: Releasing quick joint, limit switch, position monitoring switch, positioner, limit switch device.

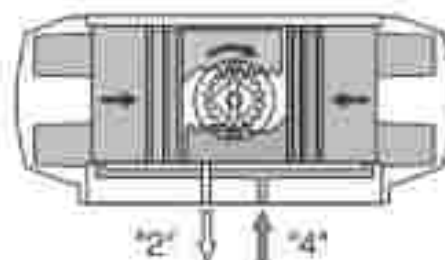


气动执行器工作原理 Working principle of pneumatic actuator

双作用 Double acting

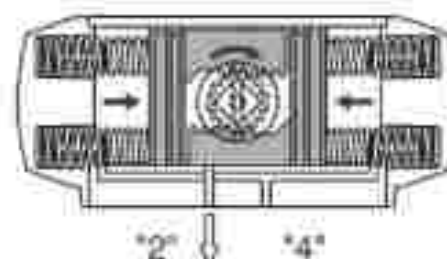


(逆时针方向) 压缩空气从 2 口输入, 推动活塞向右运动, 输出轴逆时针方向转动, 同时空气从 4 口排出。
(Counterclockwise) Air to Port 2 forces the piston to the right, causing the output shaft to turn counterclockwise while the air is being exhausted from Port 4.

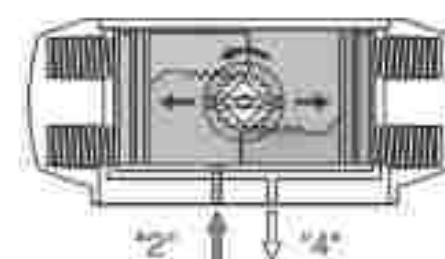


(顺时针方向) 压缩空气从 4 口输入, 推动活塞向左运动, 输出轴顺时针方向转动, 同时空气从 2 口排出。
(Clockwise) Air to Port 4 forces the piston to the left, causing the output shaft to turn clockwise while the air is being exhausted from Port 2.

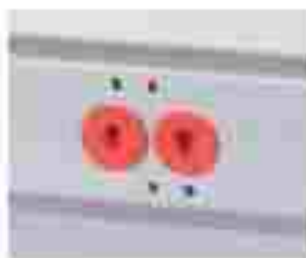
单作用 single acting



(逆时针方向) 压缩空气从 2 口输入, 推动活塞向右运动, 输出轴逆时针方向转动, 同时空气从 4 口排出。
(Counterclockwise) Air to Port 2 forces the piston to the right, causing the spring to compress the piston to turn counterclockwise while air is being exhausted from Port 4.



(顺时针方向) 压缩空气从 4 口输入, 推动活塞向左运动, 输出轴顺时针方向转动, 同时空气从 2 口排出。
(Clockwise) Air to Port 4 forces the piston to the left, causing the spring to compress the piston to turn clockwise while air is being exhausted from Port 2.



顶部连接件符合 VDI / VDE 3845
标准, 易于安装限位开关。
Top connecting connections meet
VDI/VDE3845NAMUR standard,
easy to install limit switch.



底部连接件符合 VDI / VDE 3845NAMUR
标准, 易于安装限位开关和定位器。
The bottom connecting connections meet
VDI/VDE3845NAMUR standard, easy to
install limit switch and positioner and other
accessories.



底部连接件符合 VDI/VDE 3845NAMUR
标准, 易于安装限位开关和定位器。
The bottom connecting connections meet
VDI/VDE3845NAMUR standard, easy to
install limit switch and positioner and other
accessories.

双作用气缸执行器扭矩值 N.M Double acting pneumatic actuator torque value



单作用气缸执行器扭矩值 N.M Single-acting pneumatic actuator torque value

型号 Model	长度 Size	弹簧数量 The spring quantity	弹簧初始长度 Spring length		输入气压范围 Input the air pressure (bar)						流速 Flow	
			2"	3/2"	4bar		5bar		6bar		m³/h	m³/min
					2"	3/2"	2"	3/2"	2"	3/2"		
POA2R20	40	8	7	11	3	7	13	13	16	13	10-15	20-30
POA2R40	60	12	10	24	18	14	31	13	28	17	23-25	45
POA2R60	80	12	26	40	27	28	42	30	25	37	32	80
POA2R100	100	12	38	54	47	48	55	52	40	44	40	100
POA2R200	100	12	63	92	72	52	93	66	112	84	50	125
POA2R300	120	12	82	108	100	75	156	101	146	126	-	150
POA2R500	140	12	152	230	181	128	252	189	283	209	84	200
POA2R800	160	12	202	303	214	138	401	269	418	347	90-100	230
POA2R1200	180	12	243	341	401	230	520	320	688	490	125	300
POA2R1500	210	12	341	442	589	344	642	342	877	578	150	-
POA2R2100	240	12	480	728	800	488	832	488	1404	921	200	350
POA2R2500	300	12	515	1012	1088	718	1021	718	2088	2088	-	400
POA2R4000	340	12	1070	2088	1280	2000	2742	1722	3321	2742	-	450

续前：续理西里尔字母表

型号 Model	额定 Size mm	排气量 / 升 / gas measuring (liters)		打开时间 / 秒 / Open time (s)		关闭时间 / 秒 / Close time (s)		重量 / KG / Weight	
		打开 Open	关闭 Close	双冲程 Double	单冲程 Single	双冲程 Double	单冲程 Single	双冲程 Double	单冲程 Single
PD35	45	0.12	0.10	0.2	0.3	0.2	0.3	1.30	1.45
PD40	50	0.21	0.23	0.3	0.3	0.3	0.4	2.05	2.05
PD60	60	0.43	0.47	0.4	0.5	0.5	0.6	3.15	2.8
PD100	90	0.94	0.73	0.5	0.7	0.8	0.9	4.0	3.20
PD150	100	0.86	0.88	0.7	0.9	0.8	1.1	6.77	6.80
PD200	120	1.2	1.4	0.9	1.2	1.1	1.4	8.8	12.11
PD300	140	2.5	2.2	1.2	1.5	1.4	1.6	15.25	17.55
PD350	160	3.7	3.2	1.5	1.8	1.7	2.1	20.14	24
PD1200	180	6.0	5.4	2.0	2.4	2.2	2.6	30.1	36.4
PD1700	210	7.5	7.3	2.8	3.3	3.3	4.4	40.0	54.8
PD2100	240	12	11	2.3	3.3	2.6	3.7	41	53
PD2500	320	17	26	3.0	5.4	3.5	6.5	67	112
PD4300	340	22	30	5.0	6.8	6.8	7.6	100	179

产品概述 Product description

PCD 系列电动执行器用于控制 0°~360° 旋转的阀门、蝴蝶阀、球阀、风门、挡板阀、旋塞阀、有衬阀的开关和调节阀等。广泛适用于石油、化工、建材、船舶、造纸、电力、钢铁、轻工等行业。它由 380V/220V/110V/DC24V 等交流电源为控制电源，以 4~20mA、0~10V、1~5V 控制信号，可控制阀门开关和调节。其额定输出转矩达 2000N·m。

PCD series electric actuator is used to control the 0°~360° rotary valve, such as butterfly valve, ball valve, gate valve, plug valve, damper, cover valve and so on. Can be widely used in petroleum, chemical industry, water treatment, paper making, power station, ship, heating, light industry and other industries. It uses 380V/220V/110V/DC24V AC power supply for driving power supply, the 4~20mA current signal or 0~10V DC voltage signal as control signal. Can control the valve switch and adjust. To realize the automatic control, the maximum output torque of 2000N·m.



性能参数 Performance parameters

型号 Model	PCD-05	PCD-10	PCD-15	PCD-25	PCD-50	PCD-100	PCD-200
功能 Function	AC24V/110V/220V/250V/380V/50Hz/2 20A/12V $\pm$ 15% 无衬密封。其它密封材料。						
功率 Power	50W M	100W M	150W M	250W M	500W M	1000W M	2000W M
时间 Time	30S	30S	30S	30S	30S	30S	30S
扭矩 Torque	15NM	30NM	45NM	75NM	150NM	300NM	600NM
工作电流 Working Current	0.25A	0.5A	0.75A	1.25A	2.5A	5A	10A
重量 Weight	2.5KG	5.0KG	7.5KG	12.5KG	25KG	50KG	100KG
安装角度 Install angle	0°~360°	0°~360°					
环境温度 Ambient temperature	-30°C~+60°C						
绝缘电压 Insulation voltage	1000VAC, 1 分钟 1000VDC, 3 分钟						
防护等级 Protection grade	IP67, 定制 IP68						
限位开关 Limit switch	机械限位开关, 电子限位开关 Mechanical limit switch, electronic limit switch						
手动操作 Manual operation	带手柄 With handle						
安装角度 Install angle	任意角度 at any angle						
控制方式 Control mode	开关型, 模拟型, 位置型, 速度型, 力矩型, 4~20mA, 0~10V, 1~5V Switch type, analog type, position type, speed type, torque type, 4~20mA, 0~10V, 1~5V						
可选附件 Optional accessories	位置反馈器, 限位开关, 限位开关, 限位开关, 限位开关, 限位开关, 限位开关 Position feedback, limit switch, limit switch, limit switch, limit switch, limit switch, limit switch						

技术参数 Technical Parameters

外壳 Shell	压铸铝 Aluminum alloy shell, Cast aluminum						
电机功率 Motor power	ATC 系列 110V/220V/250V/380V/50Hz/2 20A/12V $\pm$ 15% 无衬密封。其它密封材料。						
控制信号 Control signal	开关型, 模拟型, 位置型, 速度型, 力矩型, 4~20mA, 0~10V, 1~5V Switch type, analog type, position type, speed type, torque type, 4~20mA, 0~10V, 1~5V						
电机 Motor	三相异步电动机 Three-phase asynchronous motor						
限位开关 Limit switch	1 个 / 套, SPDT250V/AC 10A						
辅助限位开关 Auxiliary limit switch	1 个 / 套, SPDT250V/AC 10A						
行程 Stroke	90°~180° (180°/270° 可选)						
防护等级 Protection grade	IP67 (IP68 可选)						
环境温度 Ambient temperature	-30°C~+60°C (可选)						
指示器 Indicator	连续位置指示 Continuous position indicator						
手动操作 Manual operation	带手柄 Mechanical handle (可选)						
自锁装置 Self-locking device	蜗轮蜗杆蜗轮蜗杆 Self-locking by worm and worm gear						
机械限位 Mechanical limit	1 个 / 套, 可调 The external adjustable body						
主电源 Main power	1~50W (110V/220V/AC) 三相						
辅助电源 Auxiliary power	1~50W (110V/220V/AC) 三相						
绝缘电压 Insulation voltage	1000V (110V/220V/AC)						
环境温度 Ambient temperature	-30°C~+60°C						
润滑剂 Lubricant	润滑油 (可选)						

DWG series intelligent valve positioner is intelligent signal acquisition and control system with industrial microcontroller as the core, 4~20mA signal input, can be installed in the electric actuator position box, can also be fixed on the outer guide rail. Can receive PLC 4~20mA signal output of the DCS system, at the same time, the feedback signal.



- 提供一鍵式滅火功能, 將火災風險降至最低, 防止火勢蔓延。
- Provides a key safety function, when the system detects and prevention of accidental damage, avoid further.
- 實現安全鎖功能, 防止對安全系統進行錯誤, 防止意外發生和避免火災。
- Angle automatic cut-off valve, provides to avoid accidental protection function, prevent the equipment at any time and not produce accident.
- AGS80V 系統裝置, 防止爆炸, 防止, 防止火勢蔓延。
- AGS80V flow control power supply, automatic control, active protection, phase mixing alarm function.
- 可防止火勢蔓延, 防止火勢蔓延, 防止火勢蔓延, 防止火勢蔓延。
- It can prevent the fire from spreading, to facilitate the realization of automatic control, reduce wrong, improve alarm capability.
- 三級安全保護, 防止火勢蔓延, 防止火勢蔓延, 防止火勢蔓延。
- Three levels of protection provided to prevent fire or personalization, equipment utilization rate is accordingly lower.

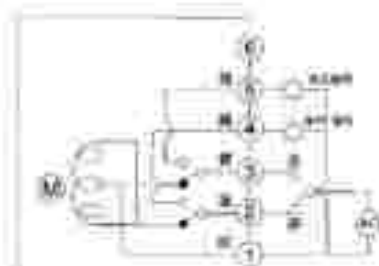
输入输出信号 Input/output signal	4-20mA, 0-5V, 1-5V, Modbus 地址通信
控制信号和位置信号 Control signal and position signal	0VDC+10VDC 两电平
输入范围 Input range	750G
定位精度 Positioning accuracy	±1% ~ ±2%
运行模式 Action mode	主从运行模式、跟随运行模式、点对点、全向、停止 Master-slave mode, Follow mode, Call for set signal is interrupted, for safety stop, stop closed, stop
温度范围 Temperature range	超过 60℃ 需降温 Heat over 60℃ also adjustment
控制方式 Control mode	位置给定、手动给定 Automatic adjustment, Manual adjustment
其它功能 Other function	限位、速度反馈功能、位置反馈功能、速度反馈、故障报警、报警灯、报警灯显示报警 Limiting motor, position feedback function, position self-regulating function, after starting and shock wave mode enable limit

此物由美商白蘭地公司所製，(1906) 年創辦此公司，現設於上海南京路。

Technical drawings of the 1000 Series pressure washer, including front, top, and side views with dimensions.

型号 Model	A	A1	AZ	L	L1	L2	H	H1	T	重量参数 Weight (KG)							性能参数 Performance							
										W	B1	C	C1	C2	MaxT	E	B1	C	C1	C2	MaxT	E	B1	C
PCB-60	104	80	40	150	82.5	75	112.8	12	28	90	68	32	88	71	21	PC1	96	88	32	100	10	39	6.548	12
PCB-10	118	80	52	204	98	110	115	10	28	96	82	36	79	14	23	PC2	88	82	38	110	10	70	6.548	12
PCB-18	218	80	50	204	98	110	115	18	28	98	82	38	78	14	23	PC3	94	82	38	110	10	70	6.548	12
PCB-25	353	80	63	208	127	120	141	22	28	105	118	108	84	22	142	PC5	105	118	108	84	22	102	6.548	12
PCB-50	551	80	82	256	123	120	141	22	28	133	128	128	84	22	122	PC6	128	118	108	84	22	102	6.548	12
PCB-100	1058	88	81	286	128	122	138	26	28	性能参数 Performance							148	118	108	84	26		6.548	12
PCB-200	1548	85	81	290	128	122	138	26	28								148	118	108	84	26		6.548	12

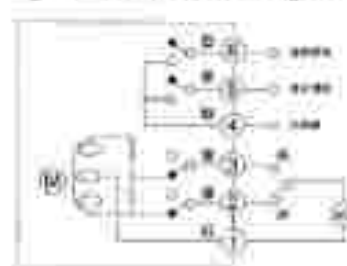
AC220V 开关型 控制电压 24VDC
ON/OFF type with the sound alarm
warning device.



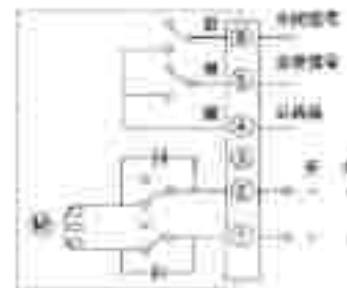
Address = 新嘉坡坡底路,
Singapore 438224 e-mail: dby@com



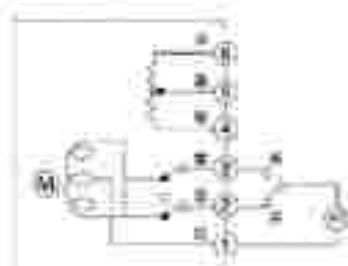
ACTIVE 开关型 背光驱动电路
 恒流驱动型
 OFF/OFF type with parallel constant
 current feedback construction circuit



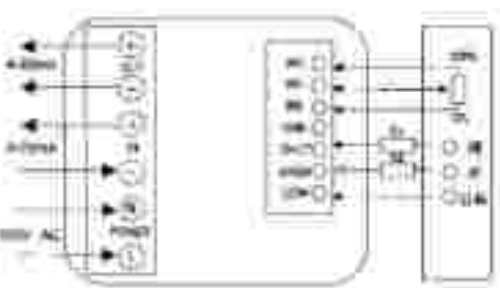
ON/OFF type with positive current signal feedback connection diagram



ON/OFF type potentiometer resistance
ballpark sigma wiring diagram



Regulation of type 4-20mA input and output wiring diagram



Available with commercial type mounting, LED screen, liquid and another surface optic types, provides great convenience for the user. It is easy for users to observe the actual control state. High-visibility background lighting system for liquid crystal display unique provides all lighting conditions, even in the night also can be clearly observed and setting.

Local magnetic field with patch is a complexly formed from the electrical connection inside the structure of film and ferromagnetic state, many kinds of atoms.

POK actuators using advanced inertial sensor sensing technology, the actuators never actually opening the door. Instead the inertial sensor control can compare the output, location, and displacement, to achieve the +milli-new design. The control control allows access to stored in the memory the actuators is a variety of methods that can be used to data.



As a result of the above, the authors suggest that the following factors should be considered in the design of a system to support the management of a large project:

The actuator module will implement filament switch, apply the set temperature, monitor a current temperature 120 °C, temperature switch will start the corresponding control, provide the actuator operation, and provide all the data output.

When the situation is a distraction, suddenly needed (reverse) aggression represents the attack of the attacker within right off the skin. The present time, actually leaving regulation command. The sector will reduce the impact of the enemy's recent and passing the company etc. at the same level. It proved the impact lead on the value state, just too, such as the damage to the psychological (non-matter) cause, attacks by collect the sector.



When this actuator receives signals the start of operation, if the valve is closed, actuator is actuated at the preset time. The control circuit will open the corresponding control, located to support the actuator, and send out alarm signal.

The GPFES module and the actuator PCB use interfaces, reading device current sensor value.

参数 Parameter	规格 Specification	FOK10	FOK10F	FOK10S	FOK10G	FOK10D	FOK200
电压 Power		AC24V/110V/220V/230V/240V/380V 50/60Hz DC24V/12V ±10% 全桥整流, 宽电压范围启动					
转矩 Torque		100N·M	160N·M	200N·M	300N·M	1000N·M	2000N·M
时间 Time		30s	30s	30s	30s	60s	100s
电流 Current		200A/1	200A/1	300A/1	300A/1	1000A/1	2000A/1
工作电流 Working Current		0.6A	0.7A	0.8A	1.2A	1.3A	1.3A
重量 Weight		3.7KG	3.7KG	4.0KG	4.0KG	12KG	12KG
信号 Signal		整体开关型, 开方式, 提供 4 个无源信号, 4-20mA 信号 整体开关型, 输入输出, 4-20mA, 0-10V, 1-5V, MODBUS, PROFIBUS 通信功能 The whole switch switch type, 4-20mA with passive signal feedback signal The switch input and output, 4-20mA, 0-10V, 1-5V, MODBUS, PROFIBUS feed bus					
位置信号 Position signal		执行器位置反馈信号, 0-10V, 0-10V, 0-10V, 0-10V, 0-10V, 0-10V The implementation of feedback signal for position, 0V, 0-10V, potentiometer or encoder					
输入阻抗 Input impedance		50Ω					
定位精度 Positioning accuracy		可达 0.4% Can reach 0.4%					
特点 Characteristic		配备有智能控制, 用户可随时调整执行性能, 无需拆卸设备, 实现了智能人性化设置。 Equipped with intelligent control, the user can personalize the equipment without disassembling the equipment, realize for non-invasive settings.					
		比例控制精度: 4-20mA, 0-10V, 1-5V, 开基, 5V/0.5V, PROFIBUS 通信功能 Proportional control accuracy: 4-20mA, 0-10V, 1-5V, analog, MODBUS, PROFIBUS feed bus					
		提供反馈信号, 反馈: 位置反馈, 速度反馈, 开, 关, 停 Feed back signal, feedback: Position feedback, speed feedback, open, stop, stop					
		整体开关型, 开方式, 提供了整体开关型设备控制运行模式, 可在设备运行一目了然 The whole switch switch type, the user at any time to understand the overall equipment status (on/off) and running status, full view (information) click out a role					
		支持多种控制模式: MODBUS, PROFIBUS Support multi bus control: MODBUS, PROFIBUS					
		三相电源自动检测, 自动校正, 自动安全关断, 安全可靠, 符合国际安全标准。 Three phase power supply automatic phase, automatic correction, on-site fault, without saving about the phase sequence. Automatic open phase protection equipment safety.					
性能 Performance		精度可调, 精度: 0.4%, 精度可调, 精度可调, 精度可调, 精度可调, 精度可调 Precision self-adjustment function, and later adjust automatically reduce the positioning accuracy, the function can be shut down by using the stop					
		具有完善的保护和故障处理功能, 故障报警, 故障报警, 故障报警, 故障报警, 故障报警 With perfect protection and fault processing function, fault alarm, fault alarm, fault alarm, fault alarm, fault alarm					
		具有完善的保护和故障处理功能, 故障报警, 故障报警, 故障报警, 故障报警, 故障报警 With perfect protection and fault processing function, fault alarm, fault alarm, fault alarm, fault alarm, fault alarm					
		具有完善的保护和故障处理功能, 故障报警, 故障报警, 故障报警, 故障报警, 故障报警 With perfect protection and fault processing function, fault alarm, fault alarm, fault alarm, fault alarm, fault alarm					
应用 Application		适用于各种工业场合, 如: 冶金、化工、石油、机械、电力、轻工、纺织、食品、医药、环保、农业、林业、渔业、畜牧业、养殖业、加工业、制造业、服务业、零售业、餐饮业、住宿业、娱乐业、文体业、教育业、卫生业、金融业、房地产业、交通运输业、信息业、其他行业。 Suitable for various industrial occasions, such as: metallurgy, chemical, petroleum, machinery, power, light industry, textile, food, medicine, environmental protection, agriculture, forestry, aquaculture, animal husbandry, processing, manufacturing, service, retail, catering, accommodation, entertainment, sports, education, health, finance, real estate, transportation, information, other industries.					
		适用于各种工业场合, 如: 冶金、化工、石油、机械、电力、轻工、纺织、食品、医药、环保、农业、林业、渔业、畜牧业、养殖业、加工业、制造业、服务业、零售业、餐饮业、住宿业、娱乐业、文体业、教育业、卫生业、金融业、房地产业、交通运输业、信息业、其他行业。 Suitable for various industrial occasions, such as: metallurgy, chemical, petroleum, machinery, power, light industry, textile, food, medicine, environmental protection, agriculture, forestry, aquaculture, animal husbandry, processing, manufacturing, service, retail, catering, accommodation, entertainment, sports, education, health, finance, real estate, transportation, information, other industries.					
		适用于各种工业场合, 如: 冶金、化工、石油、机械、电力、轻工、纺织、食品、医药、环保、农业、林业、渔业、畜牧业、养殖业、加工业、制造业、服务业、零售业、餐饮业、住宿业、娱乐业、文体业、教育业、卫生业、金融业、房地产业、交通运输业、信息业、其他行业。 Suitable for various industrial occasions, such as: metallurgy, chemical, petroleum, machinery, power, light industry, textile, food, medicine, environmental protection, agriculture, forestry, aquaculture, animal husbandry, processing, manufacturing, service, retail, catering, accommodation, entertainment, sports, education, health, finance, real estate, transportation, information, other industries.					
		适用于各种工业场合, 如: 冶金、化工、石油、机械、电力、轻工、纺织、食品、医药、环保、农业、林业、渔业、畜牧业、养殖业、加工业、制造业、服务业、零售业、餐饮业、住宿业、娱乐业、文体业、教育业、卫生业、金融业、房地产业、交通运输业、信息业、其他行业。 Suitable for various industrial occasions, such as: metallurgy, chemical, petroleum, machinery, power, light industry, textile, food, medicine, environmental protection, agriculture, forestry, aquaculture, animal husbandry, processing, manufacturing, service, retail, catering, accommodation, entertainment, sports, education, health, finance, real estate, transportation, information, other industries.					

Reservations: 800-451-2269



Regulation type: Action



Swedish Home Affairs



SWITCH MODE: ACTIVE



1. 单元受控制信号无响应者控制, 故障输入清除, 重新编程设备
2. 再编程单元引出的电压高于 $380V$ 为 $4, 6, 220V$ 为 $3, 5$
3. 单元控制电压额定值为 $200VAC/110VAC/24VAC$, 额定电压 $200VAC$ 为制

产品概述 Product overview

PQD 系列电动执行器用于控制 0°-90° 旋转阀门, 球阀, 蝶阀, 风门, 挡板阀, 截止阀, 旁通阀等, 它由 380V/220V/110V 交流电源为驱动电源, 支持 4-20mA/0-10V 电压, MODBUS, PROFIBUS 现场总线控制, 最大输出扭矩达 4000 N·M。支持无线手持遥控器, 可实现远程控制, 可对电动阀门进行设置, 调试和开关控制, 又可实现电动阀门位置检测, 故障报警, 故障解除。支持本地可操作, 克服了对外设备多误差而带来的性能性差, 确保不可靠的问题。

PQD series electric actuator is used to control the 0°-90° rotary valve, such as butterfly valve, ball valve, gate valve, plug valve, damper, lever valve. It uses 380V/220V/110V AC power supply for driving power supply, support 4-20mA, 0-10V, RS485 and PROFIBUS, PROFIBUS field bus control, the minimum output torque of 4000 N·M. Supporting RF wireless handheld controller, realize two-way communication, which can be used for setting, debugging and switch the regulation and control of the electric valve, electric valve set and status information, the state information and fault information. Support the address code, overcomes the infrared remote control equipment interference, strong stability, reliable communications problems.



标准规格 Standard specifications

外壳 Shell	IP67 防腐 IP67, NEMA-4 and 5, Enclosure IP67, NEMA4
电源电压 Power	电压: 220V AC 单相, 可选: 110V AC 单相, 380V/440V AC 3 相, 50/60Hz, 10V 24V DC/110V DC/220V DC Standard 220V AC single phase, Optional 110V AC single phase, 380V/440V 3 phase, 10V/24V DC, 110V DC/220V DC
电机 Motor	三相异步电动机 Three-phase asynchronous motor
遥控器 Remote device	红外遥控器进行个性化设置, 实现了单人式设置。 Infrared remote control for personalized settings, has realized the one-man setting.
手持式手持遥控器 Handheld remote control device	红外遥控器进行个性化设置, 实现了单人式设置。 Infrared remote control for personalized settings, has realized the one-man setting.
三相电源 Three phase power	三相电源自动检测, 并自动校正, 缺相保护。 Three phase power can automatic phase correction phase, phase loss protection.
故障报警 Malfunction alarm	故障报警可设置报警方式。 Malfunction alarm can be set alarm way.

防反转保护 Anti-reversal protection	双向防反转保护设计, 防止反转损坏设备, 无禁止操作, 防止设计一直反转时间过长而损坏设备, 减少故障率。
限位开关 Limit switch	开/关, 各 1 个 220V/230V AC 10A Close/Open, each 1, 220V/230V AC 10A
辅助限位开关 Auxiliary Limit Switch	开/关, 各 1 个 220V/230V AC 10A Close/Open, each 1, 220V/230V AC 10A
扭矩开关 Torque switch	开/关, 各 1 个 220V/230V AC 10A Close/Open, each 1, 220V/230V AC 10A
行程限位 Travel Limit	0° ~ 180° (0° ~ 90° 可选) 0° ~ 180° (0° ~ 90° optional)
环境温度: 操作温度 Self-protective Operating temperature	环境温度: 开/关 15°C ~ 55°C Self-protective Operating temperature: Open 15°C ~ 55°C, Close 5°C ~ 55°C
指示器 Indicator	连续位置指示器 Continuous position indicator
手动操作 Manual operation	机械离合机构, 易于检修。 Mechanical clutch mechanism, cooperate with handwheel
自锁功能 Self-locking device	机械, 防止机构损坏。 Self-locking by work and work gear.
机械限位 Mechanical Limit	7 个可调限位螺钉 7 x external adjustable screws
手操器 Handwheel	7-10kg (110/220V AC)
绝缘等级 Insulation	2 级 IP24
环境温度 Ambient temperature	0°C ~ +55°C
材质 Material	压铸铝 (压铸) Aluminum (die-cast)
材料 Material	压铸铝 (压铸) Aluminum (die-cast)
环境湿度 Ambient humidity	最大 MAX 90% RH Maximum MAX 90% RH
防腐等级 Anti-corrosion	XV2 100, 0.2 ~ 24 小时, 32 小时
表面处理 External coating	干式, 环氧树脂, 具有防腐性能。 Dry powder, Epoxy polyurethane anti-corrosion

主要技术参数 Main technical parameters

型号 MODEL	额定 Torque	30° 额定 力矩 30° rated Operating torque	最大额定 力矩 Maximum torque	电机尺寸 Motor size	额定电压 Rated voltage (V) Working				平均转矩 (average) Average torque	重量 (Weight) Weight	外壳 尺寸 Outer size	额定 出力 Rated output
					单相 Single-phase	三相 Three-phase	单相 Single-phase	三相 Three-phase				
PQD-008	80	1800	4200	20	110V	220V	0.000.34	0.300.3	NA	10	18	15-20
PQD-008	80	1800	4200	20	110V/220V	0.300.34	0.300.3	NA	10	18	40	100
PQD-010	100	1800	4200	20	110V/220V	0.300.34	0.300.3	NA	10	18	40	120
PQD-010	100	1800	4200	20	110V/220V	0.300.34	0.300.3	NA	10	18	40	120
PQD-020	200	2100	4200	40	110V/220V	0.300.34	0.300.3	0.300.3	11	17.5	80	200
PQD-020	200	2100	4200	40	110V/220V	0.300.34	0.300.3	0.300.3	11	17.5	80	200
PQD-030	300	2800	4200	60	110V/220V	0.300.34	0.300.3	0.300.3	13.5	20	100	250
PQD-030	300	2800	4200	60	110V/220V	0.300.34	0.300.3	0.300.3	13.5	20	100	250
PQD-050	500	2800	4200	120	110V/220V	0.300.34	0.300.3	0.300.3	13.5	20	120	300
PQD-050	500	2800	4200	120	110V/220V	0.300.34	0.300.3	0.300.3	13.5	20	120	300
PQD-080	800	3100	4200	170	110V/220V	0.300.34	0.300.3	0.300.3	13.5	20	120	300
PQD-080	800	3100	4200	170	110V/220V	0.300.34	0.300.3	0.300.3	13.5	20	120	300
PQD-100	1000	3100	4200	170	110V/220V	0.300.34	0.300.3	0.300.3	13.5	20	120	300
PQD-100	1000	3100	4200	170	110V/220V	0.300.34	0.300.3	0.300.3	13.5	20	120	300
PQD-250	2500	3100	4200	170	110V/220V	0.300.34	0.300.3	0.300.3	13.5	20	120	300
PQD-250	2500	3100	4200	170	110V/220V	0.300.34	0.300.3	0.300.3	13.5	20	120	300
PQD-300	3000	3100	4200	170	110V/220V	0.300.34	0.300.3	0.300.3	13.5	20	120	300
PQD-300	3000	3100	4200	170	110V/220V	0.300.34	0.300.3	0.300.3	13.5	20	120	300

注: 以上数据仅供参考。

外部尺寸 Outline dimensions

编号 No.	指定参数 Option configuration	备注 Remarks
1	前置地址模块 Address output module (Set 8 16V Size 8 212)	
2	直流电动执行器 Direct output electric actuator (Type 10A 2000 磅)	
2	电动执行器 Electric actuator (1/4" 125)	
4	远程控制单元 (输入、输出信号 4-20mA DC 0-5V (0-10V) HIC05125, PH050125 或 2线制 4-20mA DC 0-5V (0-10V) HIC05125, PH050125)	
5	本地控制单元 (本地控制单元、本地控制单元、本地控制单元、本地控制单元)	
6	支持无线控制单元 (支持无线控制单元、支持无线控制单元、支持无线控制单元、支持无线控制单元)	
7	行程开关 12V, 12V, 27V	
8	直接控制 Direct control valve (2V DC)	
9	前置地址模块 Address module (Set 8 20V AC 12A)	POQ-005/010/015 规格
10	电动执行器 (输入 4-20mA DC 0-5V (0-10V) HIC05125, PH050125)	
11	电动执行器 (输入 4-20mA DC 0-5V (0-10V) HIC05125, PH050125)	
12	前置地址模块 Address module (Set 8 20V AC 12A)	
13	前置地址模块 Address module (Set 8 20V AC 12A)	
14	前置地址模块 Address module (Set 8 20V AC 12A)	



POQ 控制站运行采用无源地址编址器,支持地址转换操作。可实现对门限地址的一行一列地址操作,并可在系统平衡控制基础上实现光栅的逐道控制输出控制,实现了地址译码及地址设置或译码并控制输出控制,无源地址译码输出控制地址,支持多输入输出。



Multicultural Chinese characters display window display rich content, easy to understand. The user may at any time according to the base parameters and cash equipment running state. Fault alarm information after a rise, the display contents include the valve opening, the given signal amplitude, mode of operation, failure of Chinese characters queries fault information.



热轧的硬皮型钢在制造及热处理过程中因氧化而形成的氧化皮经机械刮削后呈粗糙状态, 经冷轧后, 硬皮面材料

Low magnesian steel strip which is a completely natural roll the electrical box spewcode
under the condition of heat and oxygen control stage, some control substance

[illegible]

Figure 1 is a schematic diagram of the experimental setup. It shows a subject seated at a table, viewing a video screen. A video camera is positioned above the screen. The screen displays a target (a small circle) and a starting point (a larger circle). The subject's hand is positioned at the starting point. The distance between the starting point and the target is labeled as 'Distance'. The video screen is labeled 'Video Screen' and the video camera is labeled 'Video Camera'. The subject is labeled 'Subject'.

价值类型及运用程度 Kinds of media & utilize degree		价值类型及运用程度 Kinds of media & utilize degree														项目地址 Project Address	项目介绍 Project Intro		
价值类型 Media Type	运用程度 Utilize Degree	新闻 News	电视 TV	杂志 Magazine	广播 Radio	网络 Network	手机 Mobile	户外 Outdoor	公交 Bus	地铁 Metro	楼宇 Building	电梯 Elevator	户外 Outdoor	公交 Bus	地铁 Metro	楼宇 Building	电梯 Elevator		
价值类型 Media Type	新闻 (News)	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	新闻 (News)	新闻 (News)
	电视 (TV)	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	电视 (TV)	电视 (TV)
	杂志 (Magazine)	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	杂志 (Magazine)	杂志 (Magazine)
	广播 (Radio)	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	广播 (Radio)	广播 (Radio)
	网络 (Network)	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	网络 (Network)	网络 (Network)
	手机 (Mobile)	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	手机 (Mobile)	手机 (Mobile)
	户外 (Outdoor)	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	户外 (Outdoor)	户外 (Outdoor)
价值类型 Media Type	公交 (Bus)	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	公交 (Bus)	公交 (Bus)
	地铁 (Metro)	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	地铁 (Metro)	地铁 (Metro)
	楼宇 (Building)	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	楼宇 (Building)	楼宇 (Building)
	电梯 (Elevator)	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	电梯 (Elevator)	电梯 (Elevator)
	户外 (Outdoor)	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	户外 (Outdoor)	户外 (Outdoor)
	公交 (Bus)	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	公交 (Bus)	公交 (Bus)
	地铁 (Metro)	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	地铁 (Metro)	地铁 (Metro)

1. 选择合适的数据，输入到表格的相应单元格，按照，日期、位置、大小，来记录您的采集数据。

1. 健胃消食量标准

試験等級	最大土圧荷重	試験介质	試験条件	
I	0.5% 固定 Cv	10-02℃ 湿気 湿土	最大土圧係数 0.5 0.01kN/m ² 湿土、湿気乾燥土	
II	0.1% 固定 Cv			
IV	0.01% 固定 Cv			
V	特殊な試験種別物種 / 異なった試験時 土圧荷重 0.005kN/m ² 未満		10-02℃ 湿土	最大土圧係数 0.5
VI	土質選別		10-02℃ 湿気乾燥 湿土	最大土圧係数 0.5 0.01kN/m ² 湿土、湿気乾燥土
	mm	mm		
	1	25	0.15	1
	1.5	35	0.30	2
	2	51	0.45	3
	2.5	64	0.60	4
	3	75	0.80	5
	4	100	1.10	11
	5	150	1.60	27
	6	200	2.25	45

进样系统	最大允许进流量		试验原理、压力控制
I			内衬道与进样口密封
II	2.5% 相对进样量 1.0		
III	2.5% 相对进样量 1.0		
IV	0.2% 相对进样量 1.0		
V-VI	0.02% 相对进样量 1.0		
VII	1.0 x 10 ⁻³ 相对进样量		
VIII	2 x 10 ⁻³ 相对进样量		
	进样量 (μg)	允许误差	
	100	10000	气流量 (mL)
25	3.33	1	
40	5.30	2	
60	7.46	3	
80	10.00	4	
100	13.33	5	
150	2.70	11	
180	6.10	27	
200	6.75	45	
250	11.30	-	
300	16.60	-	
400	21.90	-	
450	28.60	-	

打盖须知

[illegible]

调节机构		调节阀芯	
调节机构号		控制机构	
执行器		气动执行器	
控制回路		小信号回路	
控制方式 (注三标准)		开度控制 流量控制等	
可调最大压力 可调最小压力 可调正常压力 MPa		可调最大压力 可调最小压力 可调正常压力 MPa	
最大流量 最小流量 正常工作量		管径规格 材料规格 气体性质	
密封要求		连接形式	
气阀驱动装置形式	气开式、气关式		
气阀型号	气动活塞式、薄膜、杠杆式、气动柱状式、带隔膜、分体式		
驱动阀门结构形式	输入信号：4-20mA，I/P，0-10V； 输出：AC220V，AC24V或脉冲 具有故障诊断及报警功能 具有手动操作按钮 具有安全保护功能		