



角座阀系列 ANGLE SEAT VALVE SERIES

专业生产 品质保证
Professional production, quality assurance



铸造辉煌，唯有品质
Casting brilliant, only has the quality



一劳永逸 事实证明KINKO角座阀工作寿命超过一百万次

50% more economical than ball valves
比球阀经济50%
Longer working life than ball valve
比球阀工作寿命长
Compact Design
精密的设计
Fast Response
反应敏捷
Water hammer-free
水击作用极小

易安装
Easy to install
气控接口可在360°上
任意选定位置
Motor control interface on the 360°
Any position can be choose

Water hammer-free
(Flow below seat)
无水击作用
(流向阀座下)

Many connection options
Weld ends, threaded ports,
Tri-Clamp and flange connections.

Using water as the medium, it works
longer than similar competitive
products.
以水为介质，比同类竞争产品工作寿命长

Self-adjusting,
double packing glands.
自动调节双层填料密封盖

Extended spindle guide
and wiper seal.
加长防锤形导向和
防尘密封圈

1 Million cycles
With pilot, zero leakage.
配有先导气压，零泄露寿命百
万次以上

Maintenance-free actuator
With long-life piston ring
配有长寿命活塞环的免修执行器

Shock free opening
With 40% less air consumption
开启时无振动，比普通阀减少40%
的用气量

Allows smaller actuators
With use of compressible media
(flow above seat)

在介质含压力情况下，可允许
更小的控制量（流向阀座上）

多种连接方式
焊接，螺纹口，快装式和法兰。

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

Facts have proved KINKO angle valve seat which
working life over a million times

食品和饮料流水线
Food and beverage

可控介质比如：空气，水，高达180°C蒸汽，
碱性溶液和真空
Processing industries control of mediums
such as air, water, steam up to 180°C, lye,
vacuum

纺织印染和漂白
Textile dyeing and bleaching

可控水，高达180°C的蒸汽，苏打液
Control of water, steam up to 180°C
Corium hypochlorite

医院和制药工业消毒高压灭菌器
Sterilizers and auto-claves for hospitals and
the pharmaceutical industry

可控蒸汽高达180°C的水
Control of steam, hot water up to 180°C

洗衣
Laundries

可控水，蒸汽，洗涤剂
Control of water, steam, washing agents

工业洗涤设备和溶解设备
Control of solvents, steam, vacuum

可控溶剂，蒸汽和真空
Industrial washing equipment
and solvent recovery systems

机械制造
Machine tools

可控冷却液
Control of coolant agents

塑料头螺纹角座阀

Plastic threaded Angle seat valve

产品特点 Product feature

- 流量大、流阻小、无水锤
- Y型设计、增加30%流量
- 超长使用寿命
- 阀座自动校正、自润滑、免维护
- 气缸采用不锈钢或聚酰胺PA能满足恶劣的环境中使用
- 可任意位置安装、可360°旋转
- Large flow, small flow resistance, no water hammer
- Y type design, a 30% increase in traffic
- Long service life
- The seat automatic correction, self-lubricating, maintenance free
- Cylinder adopts stainless material or polyamide PA can satisfy the use in harsh environment
- Can be installed in any position, can rotate 360°



应用范围 Application

- 啤酒饮料灌装设备
- 制药及医疗设备
- 水及污水处理设备
- 印染纺织、发泡机械
- 化工行业、高温灭菌
- 气体行业
- Beer beverage filling equipment
- Pharmaceutical and medical equipment
- Water and wastewater treatment equipment
- Printing and dyeing textile, foam machinery
- The chemical industry, high temperature sterilization
- The gas industry

外形尺寸 Dimension

型号 Type	执行器 Actuator(mm)	L	L1	L2	D	H
DN10	40	135	65	53	G3/8"	110
DN15	50	173	85	64	G1/2"	137
DN20	50	178	95	64	G3/4"	145
DN25	63	210	105	80	G1"	185
DN32	63	220	120	80	G1-1/4"	180
DN40	63	228	130	80	G1-1/2"	180
DN50	80	268	150	100	G2"	215
DN65	100	282	185	126	G2-1/2"	300
DN80	100	368	220	126	G3"	340

塑料头焊接角座阀

Plastic welding Angle seat valve

技术数据

大小: DN15-DN80
线程: G1/2"-G3
主体材料: CF8M
阀座材料: 聚四氟乙烯
阀杆材料: SS316
活塞密封圈: 丁腈橡胶

Technical Data

size: DN15-DN80
Thread: G1/2"-G3
Body material: CF8M
Seat material: PTFE
Stem material: SS316
Piston sealing ring: NBR



- 适用介质: 水、液体、中性的气、水蒸汽。
- 温度范围: 聚四氟乙烯: -20°C + 180°C
- 环境温度: -20°C + 60°C
- 粘度: max 600mm²/s
- 安装: 任何位置
- 流方向: 阀座上/下
- 控制介质: 空气或中性的气体
- 控制压力: 0.4MPa-0.8MPa

- Applicable medium: Water, liquid, neutral gas, water steam.
- Temperature range: PTFE: -20°C to +180°C
- Ambient temperature: -20°C to +60°C
- Viscosity: max 600mm²/s
- Installation: Any position
- Flow direction: Above/Under the seat
- Controlling medium: Air or neutral gas
- Air supply: 0.4MPa-0.8MPa

外形尺寸 Dimension

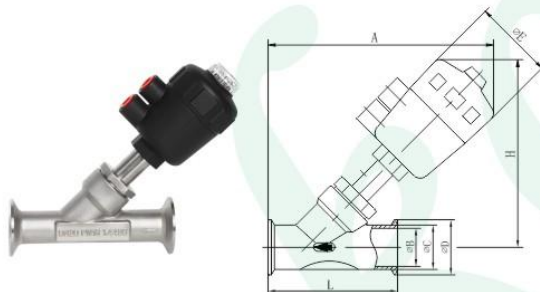
型号 Type	执行器 Actuator(mm)	L	L1	L2	B	H
DN15	50	180	100	64	15	137
DN20	50	185	120	64	20	145
DN25	63	210	140	80	25	173
DN32	63	240	155	80	35	210
DN40	63	250	170	80	38	260
DN50	80	330	190	100	48	300
DN65	100	410	220	126	68	350
DN80	100	430	250	126	80	375

塑料头快装角座阀

Plastic Tri-clamp Angle seat valve

外部先进角座阀，溢流口与滑块间有自调节密封压盖，阀体角座结构可实现较大流量，特别是与普通截止阀相比时。

External advanced angle seat valve, especially compare with the globe valves, there is adjustment sealing gland between over flow drain and slider, body structure can enforce more flow rate, especially compare with the normal globe valves.



技术参数 Technical data

- 压力范围 Pressure range: 0-16bar
- 介质温度 Medium temperature: -20°C ~ +180°C
- 环境温度 Environmental temperature: -20°C ~ +60°C
- 阀体材料 Body material: 不锈钢 Stainless steel
- 密封材料 Sealing material: 聚四氟乙烯 PTFE
- 执行机构外壳 Actuator material: 聚酰胺 PA
- 介质 Medium: 中性气体、空气、水
Neutral gas, air, water
- 制造标准 Manufacturing standard:
GB, DIN, ISO, SMS, 3A

选取 Option

- 控制功能 Control functions: 常开 Normally open
- PPS 执行机构外壳适用于环境温度: +5°C ~ +130°C
PPS Actuator material suitable for environmental temperature: +5°C ~ +130°C
- 无复位弹簧双作用执行机构 No return spring double acting actuators
- 快装式连接 Tri-clamp connection
- 电子式位置反馈 Electronic position feedback
- 独立可调行程极限，适于高低流量
Independent adjustable stroke limit, suitable for high & low Flow rate.
- 手动应急开关 Manual emergency switch
- 先导阀适用的 Namur 适配器 Pilot valve suitable Namur adapter

外形尺寸 Dimension

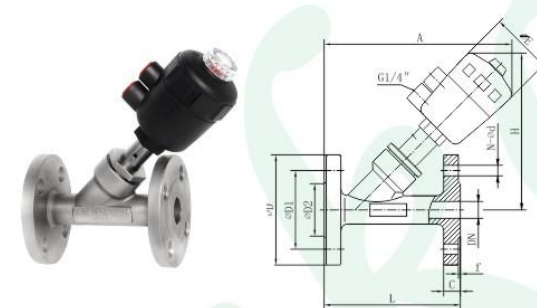
规格 Size	L	B	C	D	H	A	E	执行器 Actuator (mm)
DN15	120	15	21	34/50.5	137	180	64	Φ50
DN20	140	20	25	34/50.5	145	185	64	Φ50
DN25	160	25	33	50.5	173	210	80	Φ63
DN32	176	35	40	50.5	210	240	80	Φ63
DN40	190	38	44	50.5	260	250	80	Φ63
DN50	210	48	56	64	300	330	100	Φ80
DN65	210	58	64	77.5/91	315	380	126	Φ100
DN80	225	68	77	91/106	330	405	126	Φ100

塑料头法兰角座阀

Plastic Flange Angle seat valve

外部先进角座阀，溢流口与滑块间有自调节密封压盖，阀体角座结构可实现较大流量，特别是与普通截止阀相比时。

External advanced angle seat valve, especially compare with the globe valves, there is adjustment sealing gland between over flow drain and slider, body structure can enforce more flow rate, especially compare with the normal globe valves.



选取 Option

- 控制功能 Control functions: 常开 Normally open
- PPS 执行机构外壳适用于环境温度: +5°C ~ +130°C
PPS Actuator material suitable for environmental temperature: +5°C ~ +130°C
- 无复位弹簧双作用执行机构
No return spring double acting actuators
- 法兰式连接
Flange connection
- 电子式位置反馈
Electronic position feedback
- 独立可调行程极限，适于高低流量
Independent adjustable stroke limit, suitable for high & low Flow rate.
- 手动应急开关
Manual emergency switch
- 先导阀适用的 Namur 适配器
Pilot valve suitable Namur adapter

技术参数 Technical data

- 压力范围 Pressure range: 0-16bar
- 介质温度 Medium temperature: -20°C ~ +180°C
- 环境温度 Environmental temperature: -20°C ~ +60°C
- 阀体材料 Body material: 不锈钢 Stainless steel
- 密封材料 Sealing material: 聚四氟乙烯 PTFE
- 执行机构外壳 Actuator material: 聚酰胺 PA
- 介质 Medium: 中性气体、空气、水
Neutral gas, air, water
- 制造标准 Manufacturing standard:
GB, ISO, DIN
- 法兰标准 Flange standard
JB, GB, HG, ASME, DIN, JIS, ISO

外形尺寸 Dimension

规格 Size	执行器 Actuator (mm)	L	A	H	D	D1	D2	T	f	N-Φd	E
DN15	Φ50	120	180	137	95	65	40	14	2	4-Φ14	64
DN20	Φ50	130	185	145	105	75	50	14	2	4-Φ14	64
DN25	Φ63	140	210	173	115	85	60	14	2	4-Φ14	80
DN32	Φ63	150	240	210	135	100	70	16	2	4-Φ18	80
DN40	Φ63	180	245	260	145	110	80	16	2	4-Φ18	80
DN50	Φ80	195	295	300	160	125	92	16	2	4-Φ18	100
DN65	Φ100	230	320	315	185	145	115	18	2	4-Φ18	126
DN80	Φ100	250	330	330	195	160	130	18	2	8-Φ18	126
DN100	Φ125	280	360	350	215	180	150	18	2	8-Φ18	156

2000Y系列不锈钢气动角座阀

Stainless steel pneumatic angle seat valve

- 1.指示杆Indication Rod (nylon)
- 2.气缸Actuator(CF8)
- 3.进气孔Pilot Port(1/8")
- 4.阀杆Stem(ANSI 316/304)
- 5.阀杆密封组件Stem Seal (PTFE)
- 6.视窗Cap(PC)
- 7.弹簧Spring (Steel 60Si2MnA)
- 8.活塞Piston(Alu. alloy)
- 9.活塞环Piston Seal(Vinton)
- 10.密封弹簧Seal Spring(AISI304)
- 11.连接Connecting Piece(CF8M/CF8)
- 12.阀体密封垫Body Seal (PTFE)
- 13.阀芯密封垫Seat(PTFE)
- 14.阀体Body(CF8M/CF8)



工作原理 Function Principle

在非工作状态时，由于弹簧力作用，阀门常闭（开）。当执行器活塞被压缩空气作用时，阀门打开（关闭）。双作用形式靠压缩空气控制阀门开关。

Valve is closed (open) with spring force, when the piston is actuated by compressed air, valve is open (closed). For the double acting type, the valve is open and closed by compressed air.

应用范围: Applications

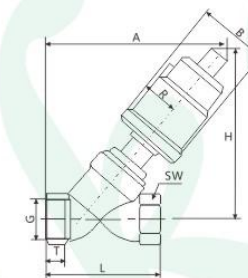
- 啤酒饮料灌装设备
- 印染纺织
- 气体工业
- 制药及医疗设备
- 化工行业
- 高温灭菌
- 发海机械
- 水/污水处理
- Bear & Drinks Filling Machinery
- Textile Printing & Dyeing
- Gas Industry
- Pharmacy & Medical Equipment
- Chemical Industry
- Disinfection
- Frothing Equipment
- Water/Sewage Disposal

技术参数 Technical Data

管道压力Fluid Pressure	Max 1.6MPa(232 psi)
控制压力Control Pressure	0.4MPa-0.8MPa(58psi-116psi)
控制介质Control medium	中性气体或空气Neutral gas or Air
阀体材料Body Material	CF8M/CF8
密封材料Seals Material	PTFE
气缸材料Actuator Material	CF8
气缸尺寸Actuator Size	50mm,63mm,80mm,100mm
适用介质Applicable Medium	水，酒精，油，燃料，蒸汽，中性气体或液体，有机溶剂，酸碱溶液 Water, Alcohol, Oil, Fuel, Steam, Neutral gas or liquid, Organic solvent, Acid and lye
介质粘度Medium Viscosity	Max 600mm ² /S
介质温度Medium Temperature	-20°C-+180°C
环境温度Ambient Temperature	-20°C-+60°C
控制形式Control Type	标准常闭、常开、双作用Normally closed, Normally open, Double acting
连接形式Connection	螺纹式，焊接式，快装式，法兰式Threaded(BSP, NPT),Welded, Tri-clamp, Flanged

2000Y系列不锈钢气动角座阀

Stainless steel pneumatic angle seat valve



螺纹式
Threaded Connection

特点 Advantages

- 流量大、流阻小、无水锤
- Y型设计，增加30%流量
- 超长使用寿命
- 阀杆自动校正，自润滑，免维护
- 气缸采用不锈钢材质，在恶劣的环境中更加优秀，可360°旋转安装。

- Large flux, low resistance, no water-hammer
- Y-type shape enlarged the flowing section, which could raise the flux by 30% and make flow more smooth.
- Super Long Life
- Which help the stem adjust and lubricate itself automatically.
- The cylinder material is stainless steel. Lubricating automatically,360° rolling freely.

外形尺寸 Dimension

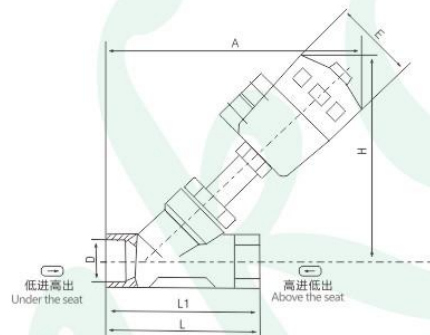
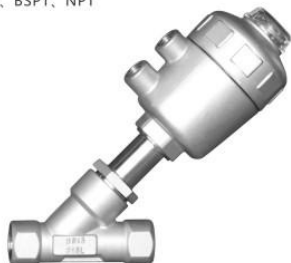
规格 Size	执行器 Actuator (mm)	B	R	H	螺纹式Threaded Connection				
					G	T	A	L	SW
DN10	40	50.5	27	112	3/8"	12	124	68	27
	50	60	33	125			135		
DN15	40	50.5	27	112	1/2"	15	124	68	27
	50	60	33	125			135		
DN20	50	60	33	132	3/4"	16	140	75	32
	50	60	33	136			150		
DN25	63	75	41	162	1"	17	172	90	40
	63	75	41	174			190		
Dn32	80	106	55	223	1 1/4"	21	235	116	50
	80	106	55	223			235		
DN40	63	75	41	175	1 1/2"	21	190	116	56
	80	106	55	223			235		
DN50	63	75	41	183	2"	22	205	138	69
	80	106	55	232			250		
DN65	100	148	74	287	2 1/2"	26	294	178	85
	80	106	55	265			285		
DN80	100	148	74	302	3"	27	320	210	100
	100	148	74	313			372		

全不锈钢螺纹角座阀

Stainless steel Thread Angle seat valve

螺纹标准 Thread standard

•G、BSP、BSPT、NPT



外形尺寸 Dimension

普通型 Standard Type

高进低出

Type	L	A	H	D	E	执行器 Actuator(mm)
DN10	65	165	120	3/8"	64	Φ50
DN15	86	172	137	1/2"	64	Φ50
DN20	95	178	145	3/4"	64	Φ50
DN25	105	210	165	1"	64	Φ50
DN32	120	220	180	1 1/4"	80	Φ63
DN40	130	228	190	1 1/2"	80	Φ63
DN50	150	265	245	2"	100	Φ80
DN65	185	282	272	2 1/2"	100	Φ80
DN80	220	362	302	3"	126	Φ100
DN100	235	420	395	4"	156	Φ125

防水锤型 Waterproof type

低进高出

Type	L	A	H	D	E	执行器 Actuator(mm)
DN10	65	155	120	3/8"	64	Φ50
DN15	86	163	141	1/2"	64	Φ50
DN20	95	180	145	3/4"	64	Φ50
DN25	105	212	181	1"	80	Φ63
DN32	120	240	200	1 1/4"	100	Φ80
DN40	130	243	202	1 1/2"	100	Φ80
DN50	150	270	285	2"	126	Φ100
DN65	185	340	284	2 1/2"	126	Φ100
DN80	220	400	335	3"	156	Φ125
DN100	235	405	365	4"	156	Φ125

全不锈钢焊接角座阀

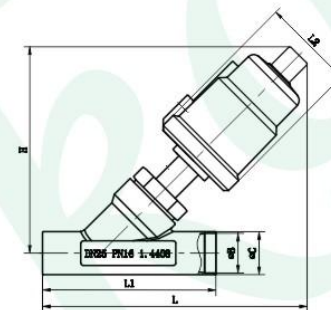
Stainless steel welding Angle seat valve

技术数据

焊接口: Φ19-Φ89
阀体: CF8 / CF8M
阀座密封: PTFE
阀杆密封: PTFE
活塞密封: NBR

Technical Data

Welding port: Φ19-Φ89
Body: CF8 / CF8M
Seat Seals: PTFE
Stem seals: PTFE
Piston seats: NBR



- 适用介质: 水、液体、中性的气、水蒸汽。
- 温度范围: 聚四氟乙烯: -20°C + 180°C
- 环境温度: -20°C + 60°C
- 粘度: Max 600mm²/s
- 安装: 任何位置
- 流方向: 阀座上/下
- 控制介质: 空气或中性的气体
- 控制压力: 0.4MPa-0.8MPa

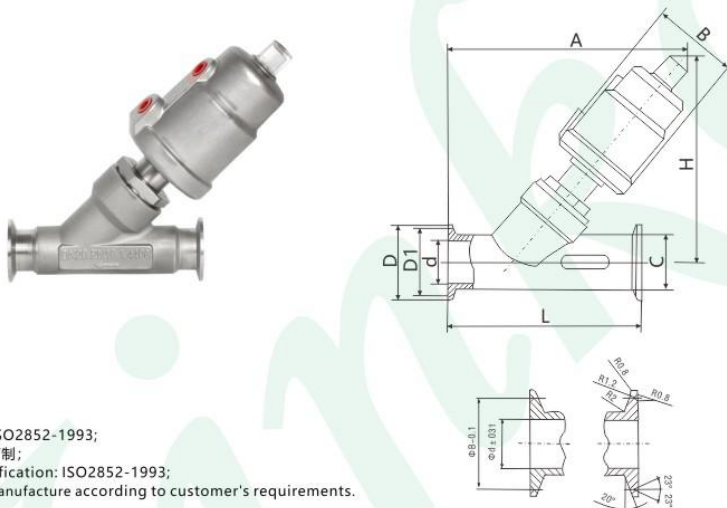
- Applicable medium: Water, liquid, neutral gas, water steam.
- Temperature range: PTFE: -20°C to +180°C
- Ambient temperature: -20°C to +60°C
- Viscosity: Max 600mm²/s
- Installation: Any position
- Flow direction: Above/Under the seat
- Controlling medium: Air or neutral gas
- Air supply: 0.4MPa-0.8MPa

外形尺寸 Dimension

规格 Size	型号 Type	执行器 Actuator(mm)	L	L1	L2	B	C	H
Φ19	DN15	50	155	100	62	15	19.5	120
Φ25	DN20	50	160	120	62	22	26	130
Φ32	DN25	63	185	140	76	28.5	32.5	160
Φ38	DN32	63	215	155	76	33	38.5	195
Φ51	DN40	80	265	170	76	46	52	260
Φ63	DN50	80	290	190	96	57	64	295
Φ76	DN65	100	350	220	114	68	77	325
Φ89	DN80	100	380	250	114	80	92	360

全不锈钢快装角座阀

Stainless steel Tri-clamp Angle seat valve



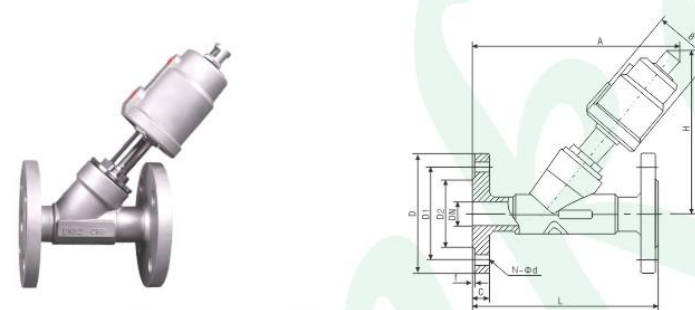
快装接头标准：ISO2852-1993;
可根据客户要求订制;
Tri-Clamp Specification: ISO2852-1993;
Can be special manufacture according to customer's requirements.

外形尺寸 Dimension

规格Size	执行器 Actuator(mm)	D	D1	C	d	L	A	H
DN15	50	34	27.5	19	15	120	140	126
DN20	50	50.5	43.5	25	21	130	148	126
DN25	50	50.5	43.5	32	27	140	165	140
	63						188	166
DN32	63	50.5	43.5	37	31	150	200	174
	80						245	223
DN40	63	64	56.5	40	33	180	210	175
	80						255	223
DN50	63	64	56.5	53	45	195	221	185
	80						265	235

全不锈钢法兰角座阀

Stainless steel Flange Angle seat valve



法兰标准: GB/T 9113-2010;ISO/DIN/JIS等标准
可根据客户要求订制
Flange specification: GB/T 9113-2010;ISO/DIN/JIS is also available
Can be special manufacture according to customer's requirements.

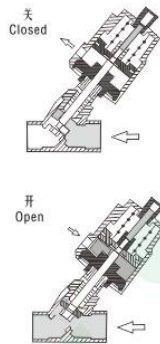
外形尺寸 Dimension

规格Size	执行器 Actuator(mm)	A	H	L	F	C	D1	N-Φd	DN	D2	D
DN15	50	160	125	120	2	14	65	4-Φ14	16	45	95
DN20	50	165	132	130	2	14	75	4-Φ14	20	56	105
DN25	50	165	136	140	2	14	85	4-Φ14	25	65	115
	63	185	162								
DN32	63	200	175	150	2	16	100	4-Φ18	32	78	140
	80	245	223								
DN40	63	202	175	180	3	16	110	4-Φ18	38	84	150
	80	246	223								
DN50	63	222	183	195	3	16	125	4-Φ18	49	100	165
	80	266	232								
	125	315	287								
DN65	80	340	285	230	3	18	145	4-Φ18	66	120	185
	125	375	302								
DN80	125	387	313	250	3	20	160	8-Φ18	78	135	200
DN100	125	410	382	280	3	20	180	8-Φ18	96	155	215

管道和控制压力参数表

Pipeline & Pressure control parameter table

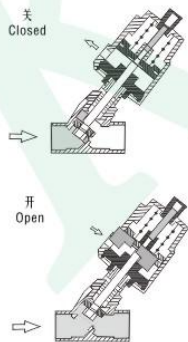
单作用常闭阀座上流Single Acting, Normally Closed(NC)-Enter Above Seat



适用于可压缩性介质，例如气体，水蒸汽等；以及压力较低的液体介质。
Suitable for condensable medium, such as air, steam and low pressure liquid medium.

规格Size	接口Thread	内孔Orifice(mm)	流量值Kv(m ³ /h)	执行器Actuator(mm)	压差范围ΔP(MPa)	控制压力Control pressure(Mpa)
DN10	G3/8"	13	3.8	40	0-1.6	0.4-0.8
				50	0-1.6	0.4-0.8
DN15	G1/2"	13	4.7	50	0-1.6	0.4-0.8
				50	0-1.6	0.4-0.8
DN20	G3/4"	18	9.5	50	0-1.6	0.4-0.8
				50	0-1.6	0.4-0.8
DN25	G1"	24	18.1	50	0-1.6	0.4-0.8
				63	0-1.6	0.4-0.8
DN32	G1 1/4"	32	23.1	63	0-1.6	0.4-0.8
				80	0-1.6	0.4-0.8
DN40	G1 1/2"	35	32.9	63	0-1.6	0.4-0.8
				80	0-1.6	0.4-0.8
DN50	G2"	45	52.8	63	0-1.2	0.4-0.8
				80	0-1.6	0.4-0.8

单作用常闭阀座下流（防水锤）Single Acting, Normally Closed(NC)-Enter Below Seat(NO Water-hammer)



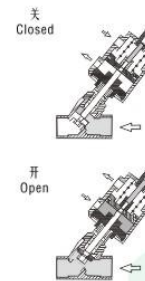
适用于防水锤管道，可承受一定压差。
Flow come from below seat, avoid water hammer

规格Size	接口Thread	内孔Orifice(mm)	流量值Kv(m ³ /h)	执行器Actuator(mm)	压差范围ΔP(MPa)	控制压力Control pressure(Mpa)
DN10	G3/8"	13	3.8	40	0-1.1	0.4-0.8
				50	0-1.4	0.4-0.8
DN15	G1/2"	13	4.7	50	0-1.1	0.4-0.8
				50	0-1.4	0.4-0.8
DN20	G3/4"	18	9.5	50	0-1.1	0.4-0.8
				50	0-1.1	0.4-0.8
DN25	G1"	24	18.1	50	0-1.4	0.4-0.8
				63	0-1.4	0.4-0.8
DN32	G1 1/4"	32	23.1	80	0-1.6	0.4-0.8
				63	0-0.6	0.4-0.8
DN40	G1 1/2"	35	32.9	80	0-1.6	0.4-0.8
				63	0-0.5	0.4-0.8
DN50	G2"	45	52.8	80	0-1.6	0.4-0.8
				80	0-1.0	0.4-0.8

管道和控制压力参数表

Pipeline & Pressure control parameter table

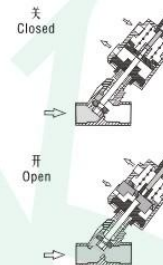
双作用常闭阀座上流Double Acting, Normally Closed (NC)-Enter Above Seat



性能可靠，可承受较大压差；如果紧急情况，阀门可自动关闭。
Suitable for higher reliable performance, differential pressure ΔP; Valve could be closed if there is emergency.

规格Size	接口Thread	内孔Orifice(mm)	流量值Kv(m ³ /h)	执行器Actuator(mm)	压差范围ΔP(MPa)	控制压力Control pressure(Mpa)
DN10	G3/8"	13	3.8	50	0-1.6	0.4-0.8
				50	0-1.6	0.4-0.8
DN15	G1/2"	13	4.7	50	0-1.6	0.4-0.8
				50	0-1.6	0.4-0.8
DN20	G3/4"	18	9.5	50	0-1.6	0.4-0.8
				50	0-1.6	0.4-0.8
DN25	G1"	24	18.1	50	0-1.6	0.4-0.8
				63	0-1.6	0.4-0.8
DN32	G1 1/4"	32	23.1	63	0-1.6	0.4-0.8
				80	0-0.6	0.4-0.8
DN40	G1 1/2"	35	32.9	63	0-1.6	0.4-0.8
				80	0-1.6	0.4-0.8
DN50	G2"	45	52.8	63	0-1.2	0.4-0.8
				80	0-1.0	0.4-0.8

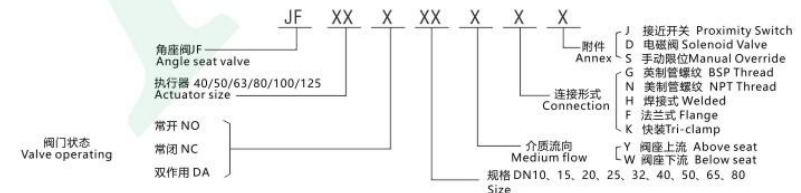
双作用常闭阀座下流（防水锤）Double Acting, Normally Closed(NC)-Enter Below Seat(NO Water-hammer)



适用要求高的防水锤管道，可承受较大压差。
Flow come from below seat, avoid water hammer, suitable for higher ΔP.

规格Size	接口Thread	内孔Orifice(mm)	流量值Kv(m ³ /h)	执行器Actuator(mm)	压差范围ΔP(MPa)	控制压力Control pressure(Mpa)
DN10	G3/8"	13	3.8	50	0-1.6	0.4-0.8
				50	0-1.6	0.4-0.8
DN15	G1/2"	13	4.7	50	0-1.6	0.4-0.8
				50	0-1.6	0.4-0.8
DN20	G3/4"	18	9.5	50	0-1.6	0.4-0.8
				50	0-1.6	0.4-0.8
DN25	G1"	24	18.1	50	0-1.6	0.4-0.8
				63	0-1.6	0.4-0.8
DN32	G1 1/4"	32	23.1	63	0-1.6	0.4-0.8
				80	0-0.6	0.4-0.8
DN40	G1 1/2"	35	32.9	80	0-1.6	0.4-0.8
				100	0-1.6	0.4-0.8
DN50	G2"	45	52.8	80	0-0.8	0.4-0.8
				100	0-1.6	0.4-0.8

订货说明 Order Instruction



示例: JF 50 NC 25 Y G
表示角座阀 执行器缸径50 常闭单作用 规格DN25 安装方向阀座上流 连接形式为美制管螺纹
Example: JF 50 NC 25 Y G means: Angle seat valve, Actuator 50, Normally close single act, DN25 enter above seat, BSP thread.

安装

安装位置：任意

→在阀体外侧所附的箭头代表介质流动的方向，安装时请遵循。

⚠ 警示！

安装时，必须提前将管道中的金属残渣，多余的密封残留物等清理干净。

安装过程：

- 连接阀门至管道，确保阀体所附箭头与流体方向一致。
- 焊接式阀门安装：焊接时请先将执行器卸离阀体。
- 螺纹式阀门安装：可按照用户要求提前卸离或无需卸离执行器。

拆卸：

拆卸前首先确保对阀门的气压作用已经解除。

安装前需卸下阀体时，避免用力过大，轻卸；

拆卸后，保护好螺纹、密封面及密封垫；

安装好阀体后，装执行器部分时，注意别漏装密封垫；

阀体与连接坚固需用足够扭矩，各规格阀扭矩值如下：
DN15为40Nm，DN20为50Nm，DN25为70Nm，
DN32为150Nm，DN40为150Nm，DN50为170Nm；

安装后，检测阀体与连接处已密封完好，无泄露，方可使用。

维护与服务

维修

⚠ 警示！

从管道上拆卸阀门或拆开阀门本身时，务必提前解除介质或气源的作用压力。

INSTALLATION

Mounting position: any; preferentially with the actuator oriented upward.

→install in accordance with the flow direction, observe the arrow indication marked on the valve body.

⚠ CAUTION!

In all cases, remove all contamination from the piping (excess sealing material, metal debris, etc.).

Procedure for installing the valve:

- Connect the valve. Make sure the pipe run is correctly oriented.
- Weld ends: Disassemble and remove actuator before welding.
- Threaded body: Only disassemble the actuator if required by customer.

Instructions for actuator disassembly and assembly

Disassembly:

- Depressurize the valve seat before the removing and reassembly.
- Control function A: Turn on the actuator or release the tension of the return spring by removing the actuator cover.
- Control function B: Switch off the pilot pressure.
- Screw the threaded nipple out from the body.

Assembly:

- Grease the nipple threads with a suitable lubricant.
- Screw the threaded nipple and the actuator into the body.

Torque for assembly

→For sealing purpose, when ever you need to assembly by the threaded connection part, must give enough torque. The reference data as following:

Size	DN15	DN20	DN25	DN32	DN40	DN50
Torque(Nm)	40	50	70	150	150	170

→Make a seal test when assembly finished

MAINTENANCE AND SERVICE

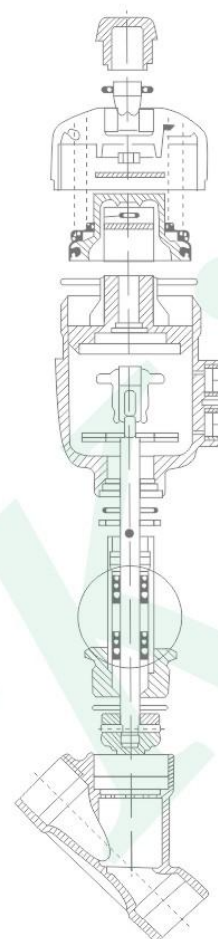
Repair

⚠ CAUTION!

Before dismounting or opening the device, depressurize the media supply and pilot air supply piping system.

零件图

Spare parts exploding drawing



零件表 Spare parts sheet

名称	Description	数量 Quantity	材料 Material
阀体	Valve body	1	CF8M
六角螺母	Hex nut	1	1Cr18Ni9Ti
阀芯密封垫	Valve core sealing	1	PTFE
阀芯体	Valve core cover	1	OCr17Ni12Mo2
阀体密封垫	Valve sealing	1	FKM
连接	Connection part	1	CF8M
阀杆	Valve stem	1	OCr17Ni12Mo2
阀杆密封套	Valve stem sealing(I)	1	PTFE
阀杆密封圈	Valve stem sealing(II)	1	PTFE
压紧密封垫	Valve stem sealing(III)	1	PTFE
弹簧挡圈	Retaining Ring	1	
密封弹簧	Sealing spring	1	65Mn-D
平垫	Plain Washer	1	Hpb59-1
Y型圈	"Y" ring	1	FKM
O型圈	"O" ring	1	NBR
阀盖	Valve cap	1	CF8M
含油轴承	Bearing	1	
垫圈	Washer	1	Hpb59-1
O型圈	"O" ring	1	NBR
活塞环	Piston Ring	1	FKM
活塞	Piston	1	Hpb59-1
锁紧螺母	Fixing Nut	1	Hpb59-1
指示杆	Indication stem	1	Hpb59-1
常闭弹簧	Closing spring	1	65Mn-D
缸体	Actuator body	1	CF8M
顶盖	Top cap	1	PC

- 不锈钢外壳设计
- 电气防水接头
- 带背光液晶显示屏
- 快速简易启动
- 丰富的附加功能
- Stainless steel shell design
- Electric waterproof joint
- With backlit LCD screen
- Quick and easy start
- Rich additional functionality



概述 An overview of the

1600系列智能电气阀门定位器是专为一体式气动调节阀所设计的，特别适用于角座阀和隔膜阀产品。该产品操作简便，软件功能丰富，可轻松通过液晶屏和按键面板进行操作。定位器可通过检测位移传感器信号，对阀位进行快速精确调节。

Series 1600 intelligent electrical valve positioner is designed for one-piece pneumatic control valve design, especially suitable for Angle seat valve and Diaphragm valve products. This product is easy to operate and has rich software functions. Easy to operate through the LCD screen and key panel. The positioner can detect the displacement sensor signal and position the valve. Fast and accurate adjustment.

技术参数 Technical parameters

材 料	聚碳酸酯 (PC) 硅橡胶(SI) 聚酰胺(PA6-GF30) 不锈钢(304)
电 源	直流24V ±10%
信号输入	0/4 to 20mA 或 0 to 5/10 V
设定信号输入 阻抗	0/4-20mA信号时 240Ω 0-5/10V信号时 21KΩ
压缩空气要求 颗粒度要求 颗粒密度要求 凝点要求 油脂浓度要求	中性气体, 符合 DIN ISO 8573-1 要求 Class 5 (<40μm particle size) Class 5 (<10mg/m3) Class 3 (<-20°C) Class 5 (<25mg/m3)
环境温度	0-55°C
	1/4英寸插入式软管接头(内径Φ6mm)
电气快速接头	M12 三针 B标准(电缆直径ø 4-6mm) M12 四针 D标准(电缆直径ø 4-6mm) M12 五针 A标准(电缆直径ø 4-6mm)
气源压力	3-7 bar, 具体视执行机构而定
气体输出流量	18 l/min, 55 l/min(仅单作用)
阀门行程控制 范围	直行程5-50 mm 角行程90°
安装方式	倾向于安装在执行器顶端, 通过M26螺纹和执行器连接
防护等级	Ip65
功耗	<5W



1500/J614F-16P/R

调节型气动螺纹角座阀
External regulation pneumatic
thread Angle seat valve



1600/J614F-16P/R

调节型气动螺纹角座阀
External regulation pneumatic
thread Angle seat valve



1500/J614F-16P/R

调节型气动螺纹角座阀
External regulation pneumatic
thread Angle seat valve

1600 系列智能电气阀门定位器是一款基于微处理器的阀门开度调节器。阀门开度可通过外部输入信号设定。

定位器运用自动控制算法和 PWM 控制技术，快速而准确地实现阀门的开度调节，从而来控制流体管路的流量。

1600 series intelligent electrical valve positioner is a microprocessor based valve opening regulator. Valve opening can be set by external input signal. The positioner uses automatic control algorithm and PWM control technology to quickly and accurately realize the valve opening adjustment, so as to control the flow of the fluid pipeline.

注：该产品可在密封空间中使用，并实现远程自动控制。它具有传输特性，安全位置，紧闭等多种辅助功能。同时它容易安装，操作和维护，并且故障率低。

Note: this product can be used in sealed space and realize remote automatic control. It has many auxiliary functions, such as transmission characteristic, safe position, close, etc. And it's easy to install, operate and maintain. And the failure rate is low.