

AUTOMATIC CONTROL VALVE
SOLUTIONS TO BUSINESS

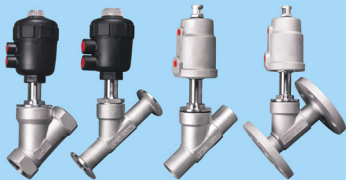
自控阀门方案解决商

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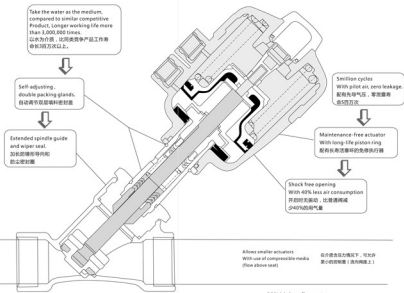
ANGLE SEAT VALVE SERIES 角座阀系列

Professional Production
Quality Assurance
专业生产 品质保证



50% more economical than ball valves
比球阀经济50%
600% longer service life than ball valves
比球阀使用寿命长600%
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
汽控接口可在160°上
任意固定位置
Motor control interface on the 360°
Any position can be choose



Water hammer-free
(Flow below seat)
无水击作用
(流在阀座下)

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

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

食品和饮料流水线
Food and beverage
可控介质如: 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

Angle seat valve
角座阀

产品特点 Product feature

- 流量大, 流动小, 无水锤
- Y型设计, 增加30%流量
- 超长使用寿命
- 阀体自动校正, 自润滑, 免维护
- 气缸采用不锈钢材质或聚酰胺PA66满足恶劣的环境中使用
- 可在任意位置安装, 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°



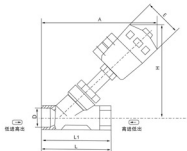
应用范围 Application

- 啤酒饮料灌装设备
- 制药及医疗设备
- 水及污水处理设备
- 印刷包装、发泡机械
- 化工行业、高温灭菌
- 气液行业
- 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

技术参数 Technical data

管道压力/Fluid Pressure	0-1.6MPa
控制压力/Control Pressure	0.3-0.8MPa
控制气体/Control Gas	中性气体或空气/Neutral gas or Air
阀体材质/Body Material	CF8/304, CF8M/316
密封材质/Seals Material	PTFE
气缸材质/Actuator Material	CF8/304, 聚酰胺Polyamide PA, 铝合金Aluminum alloy
介质温度/Medium Temperature	-20℃-180℃, 25℃-220℃
环境温度/Ambient Temperature	-20℃-80℃
介质粘度/Medium Viscosity	≤600mm ² /s
控制方式/Control Type	单作用常闭, 单作用常开, 双作用, 手动 Single function normally closed, single function normally open, double-acting, manual
连接方式/Connection	螺纹式, 焊板式, 快装式, 法兰式 Threaded(BSP, NPT), Welded, Flanged, Tri-clap
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, 酸碱液 Water, alcohol, oil, fuel, steam, neutral gas liquid, organic solvent, acid and alkali solution
可选配件/Optional Accessories	接近开关, 电磁阀, 手动行程限位, 智能定位器 Proximity switch, solenoid valve, manual limit, intelligent positioner

Thread pneumatic angle seat valve
螺纹气动角座阀



外形尺寸 Dimension

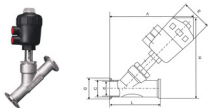
普通型 Standard Type							高进低出 Actuator (mm)
Type	L	A	H	D	E	执行器	
DN10	65	165	120	3/8"	64	Φ50	
DN15	86	172	137	1/2"	64	Φ50	
DN20	95	178	145	3/4"	64	Φ50	
DN25	105	210	165	1"	64	Φ50	
DN32	120	220	180	1 1/4"	80	Φ63	
DN40	130	228	190	1 1/2"	80	Φ63	
DN50	150	265	245	2"	100	Φ80	
DN65	185	282	272	2 1/2"	100	Φ80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

防水型 Watertight type							低进高出 Actuator (mm)
Type	L	A	H	D	E	执行器	
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	

Tri-clamp Pneumatic Angle seat valve
快装式气动角座阀

外部先进角座阀，温流口与滑块间有由调节密封压盖，两体角座结构可实现较大流量，特别在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: -10°C ~ +180°C
- 环境温度 Environmental temperature: -10°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
- 执行机构和外壳 Actuator material: 聚酰胺 PA
- 介质 Medium: 中气体, 空气, 水
Neutral gas, air, water
- 制造标准 Manufacturing standard: GB, DIN, ISO, SMS

选型 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
- 无返回弹簧/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
- 独立可调行程限位, 适于高/低流量
Independent adjustable stroke limit, suitable for high & low flow rate.
- 手动急停开关 Manual emergency switch
- 先导阀适用的 Namur 适配器 Pilot valve suitable Namur adapter

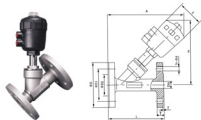
外形尺寸 Dimension

	执行器 Actuator(mm)	L	A	H	D	D1	D	H
DN15	Φ50	120	188	15	50.5	21	142	
DN20	Φ50	140	198	20	50.5	25	143	
DN25	Φ63	160	243	25	50.5	32	182	
DN32	Φ63	175	250	35	50.5	40	182	
DN40	Φ63	198	265	38	50.5	44	186	
DN50	Φ80	210	292	48	64	57	219	
DN63	Φ80	210	330	58	77.5	64	340	
DN65	Φ80	230	380	68	91	77	375	

Flange pneumatic angle seat valve
法兰式气动角座阀

外部先进角座阀，温流口与滑块间有由调节密封压盖，两体角座结构可实现较大流量，特别在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.



选型 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
- 无返回弹簧/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
- 独立可调行程限位, 适于高/低流量
Independent adjustable stroke limit, suitable for high & low flow rate.
- 手动急停开关
Manual emergency switch
- 先导阀适用的 Namur 适配器
Pilot valve suitable Namur adapter

技术参数 Technical data

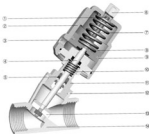
- 压力范围 Pressure range: 0-16bar
- 介质温度 Medium temperature: -10°C ~ +180°C
- 环境温度 Environmental temperature: -10°C ~ +60°C
- 阀体材料 Body material: 不锈钢 Stainless steel
- 密封材料 Sealing material: 聚四氟乙烯 PTFE
- 执行机构和外壳 Actuator material: 聚酰胺 PA
- 介质 Medium: 中气体, 空气, 水
Neutral gas, air, water
- 制造标准 Manufacturing standard: GB, ISO, DIN

外形尺寸 Dimension

	执行器 Actuator(mm)	L	A	H	D	D1	D2	T	F	N-Ød	E
DN15	Φ50	120	188	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	126

Stainless steel pneumatic angle seat valve
2000Y系列不锈钢气动角座阀

- 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.阀杆密封件(Stem Seal (PTFE))
- 6.顶盖(Cap(PC))
- 7.弹簧(Spring (Steel 60S2MnA))
- 8.活塞(Piston(Alu. alloy))
- 9.活塞密封件(Piston Seal(Viton))
- 10.密封弹簧(Seal Spring(AISI304))
- 11.连接件(Connecting Piece(CF8M/CF8))
- 12.阀体密封件(Body Seal (PTFE))
- 13.阀体密封件(Seat(PTFE))
- 14.阀体(Body(CF8M/CF8))



工作原理 Function Principle

在工作状态时，由于弹簧力作用，阀门常闭（开），当执行器在压缩空气作用下，阀杆打开（关闭），双作用形式靠压缩空气使阀门打开。

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.

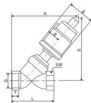
应用范围: Applications

- 啤酒饮料灌装设备
- 食品饮料
- 气体工业
- 制药及医疗设备
- 化工行业
- 高温工业
- 食品机械
- 水/污水处理
- Beer & Drinks Filling Machinery
- Textile Printing & Dyeing
- Gas Industry
- Pharmacy & Medical Equipment
- Chemical Industry
- Disinfection
- Fritting Equipment
- Water/Sewage Disposal

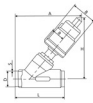
技术参数 Technical Data

管道压力/Fluid Pressure	Max 1.6MPa(232 psi)
控制压力/Control Pressure	0.3-0.8MPa(43.5-116psi)
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 600mPa/s
介质温度/Medium Temperature	-10°C~+180°C
环境温度/Ambient Temperature	-10°C~+80°C
控制方式/Control Type	单作用型、双作用型/Normally closed, Normally open, Double acting
连接方式/Connection	螺纹式、焊接式、法兰式、快装式/Threaded(BSP, NPT), Welded, Flanged, Tri-clamp

Stainless steel pneumatic angle seat valve
2000Y系列不锈钢气动角座阀



螺纹式
Threaded Connection



焊接式
Welded Connection

特点 Advantages

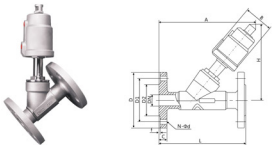
- 流量大、损耗小、无水锤
- Y型设计，增加30%流量
- 超长使用寿命
- 阀杆自动校正，自润滑，免维护
- 气缸采用不锈钢材质，在恶劣的环境下更佳使用，可360°旋转。

- 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 Type	B	R	H	螺纹式 Threaded Connection				焊接式 Welded Connection							
					G	T	A	L	SW	DN11815-2		DN11815-3		SMS13008		
		A	L	D	LE	D	LE	A	L	D	LE	A	L	D	LE	
DN10	40	50.5	27	112	3/8"	12	124	68	27	-	-	-	-	-	-	-
	50	60	33	125												
DN15	40	50.5	27	112	1/2"	15	135	68	27	118	70	19	1.5	20	2	127
	50	60	33	132	3/4"	16	140	75	32	135	82	23	1.5	24	2	138
DN20	50	60	33	132	3/4"	16	140	75	32	135	82	23	1.5	24	2	145
	63	75	41	162	1"	17	150	80	40	150	100	29	1.5	30	2	155
DN25	50	60	33	136	1"	17	150	80	40	150	100	29	1.5	30	2	165
	63	75	41	162	1 1/4"	21	190	116	50	186	125	35	1.5	36	2	188
DN32	63	75	41	174	1 1/4"	21	190	116	50	232						200
	80	106	55	223						232						245
DN40	63	75	41	175	1 1/2"	21	190	116	56	190	130	41	1.5	42	2	210
	80	106	55	233						235						255
DN50	63	75	41	183						255						224
	80	106	55	232	2"	22	250	138	69	250	155	53	1.5	54	2	265
DN65	100	148	74	287						294						285
	100	148	74	287						294						285
DN65	80	106	55	265	2 1/2"	26	285	178	85	-	-	-	-	-	-	-
	100	148	74	302						320						-
DN80	100	148	74	313	3"	27	332	210	100	-	-	-	-	-	-	-
	100	148	74	313						320						-

Flange pneumatic angle seat valve
法兰式气动角座阀

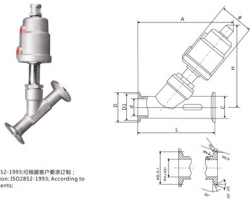


法兰标准：GB/T9113.1-2000,可根据客户要求订制，ISO/DIN/JIS等标准
Flange specification: GB/T9113.1-2000,ISO/DIN/JIS is also available

外形尺寸 Dimension

规格Size	执行器 Actuator(mm)	A	H	L	F	C	D1	N-Ød	DN	D2	D
DN15	50	160	125	120	2	14	65	4-Ø14	16	45	95
	DN20	50	165	132	130	2	14	75	4-Ø14	20	56
DN25	50	165	136	140	2	14	85	4-Ø14	25	65	115
	63	185	162								
DN32	63	200	175	150	2	16	100	4-Ø18	32	78	140
	80	245	223								
DN40	63	202	175	180	3	16	110	4-Ø18	38	84	150
	80	246	223								
DN50	63	222	183	195	3	16	125	4-Ø18	49	100	165
	80	266	232								
	125	315	287								
DN65	80	340	285	230	3	18	145	4-Ø18	66	120	185
	125	375	302								
DN80	125	387	313	250	3	20	160	8-Ø18	78	135	200
DN100	125	410	382	280	3	20	180	8-Ø18	96	155	215

Tri-clamp Pneumatic angle seat valve
快装式气动角座阀



快装接头标准：ISO2852-1993,可根据客户要求订制；
Tri-Clamp Specification: ISO2852-1993, According to customer's requirements.

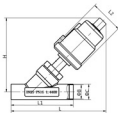
外形尺寸 Dimension

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
	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

Stainless steel welding Angle seat valve
全不锈钢焊接角座阀

技术参数
型号大小:Ø19-Ø89
规格:G1/2"-G3
阀体:CF8/CF8M
阀座密封:聚四氟乙烯
阀杆密封:SS316
橡胶活塞圈:NBR

Technical Data
Joint size:Ø19-Ø89
Thread:G1/2"-G3
Body:CF8/CF8M
Seat Seal:PTFE
Stem seals:SS316
Piston sealing ring:NBR



适用介质:水、液体、中性的气、水动力、
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
控制压力范围:0.3-0.8MPa

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
Controlling pressure rang 0.3-0.8MPa

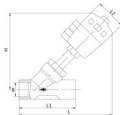
外形尺寸 Dimension

规格/Size	型号/Type	执行器/Actuator(mm)	L	L1	L2	B	C	H
Ø19	DN15	50	155	100	62	15	19.5	120
Ø25	DN20	50	160	120	62	22	26	130
Ø32	DN25	63	185	140	76	28.5	32.5	160
Ø38	DN32	63	215	155	76	33	38.5	195
Ø51	DN40	80	265	170	76	46	52	260
Ø63	DN50	80	290	190	96	57	64	295
Ø76	DN65	100	350	220	114	68	77	325
Ø89	DN80	100	380	250	114	80	92	360

Plastic welding Angle seat valve
塑料头焊接角座阀

技术参数
大小: DN15- DN80
规格: 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、水动力、
温度范围:聚四氟乙烯:-10°C~180°C
环境温度:-10°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
控制压力范围:0.3-0.8MPa

Applicable medium:Water/Liquid,
neutral gas,water steam.
Temperature range:PTFE:-10°C to+180°C
Ambient temperature:-10°C to+60°C
Viscosity: max 600mm²/s
Installation:Any position
Flow direction:Above/Under the seat
Controlling medium:Air or neutral gas
Controlling pressure rang 0.3-0.8MPa

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

