

产品描述

调节式角座阀由智能定位器（1880S/1500）和角座阀(2710系列)组合而成。调节式角座阀（2710）阀芯设计不同于开关型角座阀（2700），其流量特性更适用于流量调节。

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。它通过检测外部输入设定信号和内部位移传感器信号，运用自动控制算法和PWM控制技术，来实现对阀位快速精确的调节。



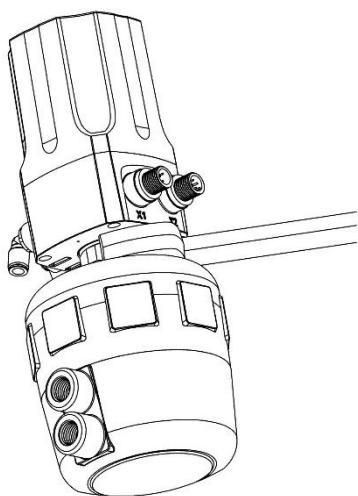
1880S+2710调节式角座阀



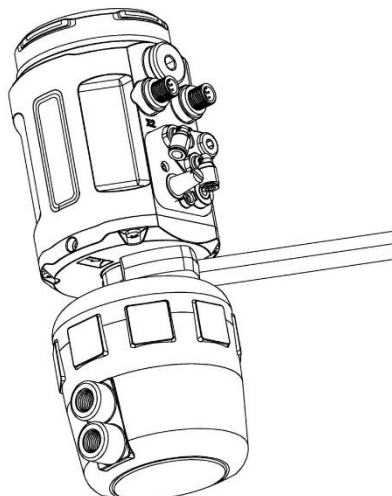
1500+2710调节式角座阀

组装

定位器和阀门通过螺纹连接。用户可用32号扳手将它们旋紧。

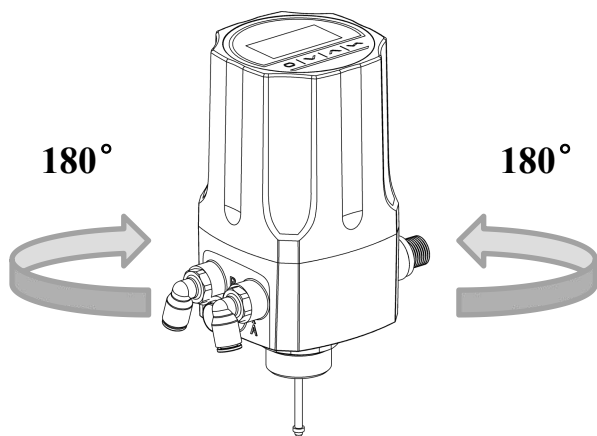


1880S组装

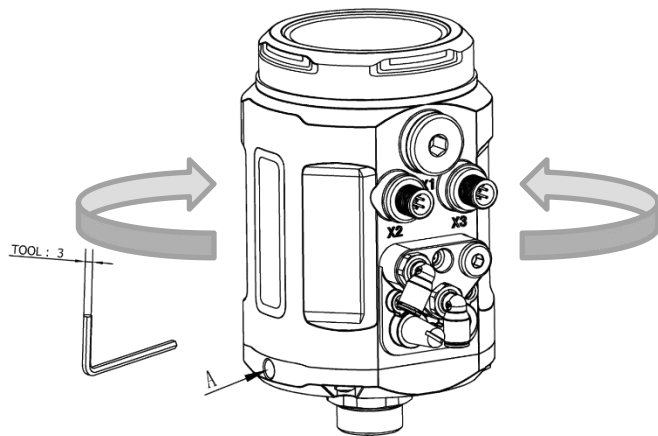


1500组装

定位器组装好之后，为使操作界面角度合适，它仍可以在360° 范围内旋转。



1880S操作界面角度调整



1500操作界面角度调整

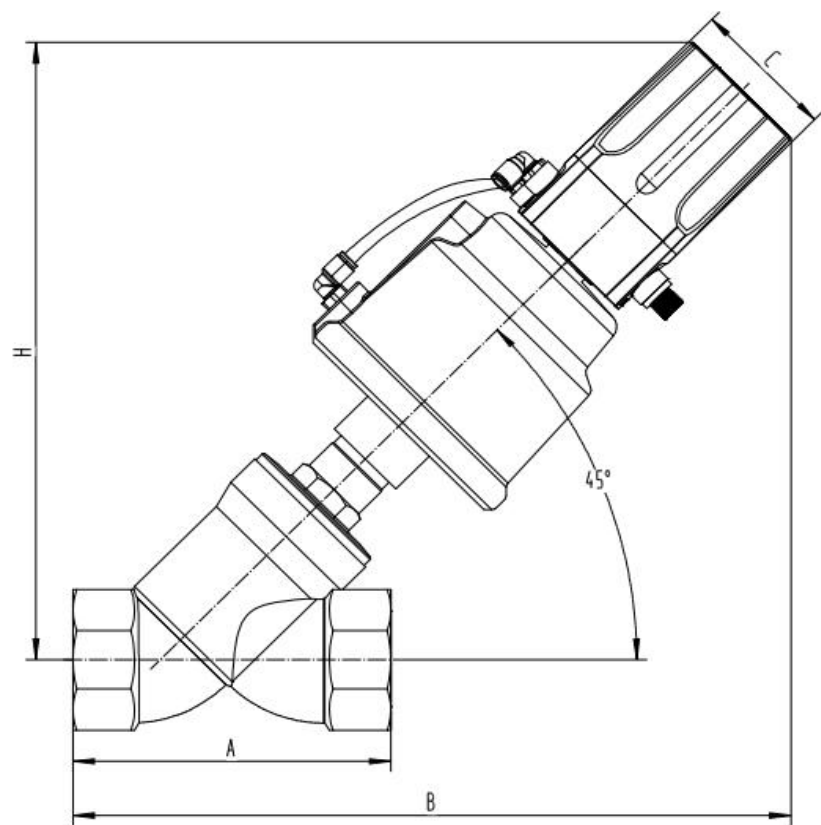
技术参数

1880S+2710调节式角座阀技术参数	
材料	定位器材质：聚碳酸脂（PC） 硅橡胶(SI) 聚酰胺(PA6-GF30) 执行器材质： 不锈钢CF8/铝合金 密封材质： 阀芯密封： PTFE/RTFE 阀杆密封： PTFE/FKM 活塞密封： FKM
电源	直流 24V ± 10%
信号输入	0/4 - 20mA
设定信号输入阻抗	120Ω
气源	中性气体, 符合 DIN ISO 8573-1 要求 固体颗粒大小和密度 3 级 露点 3 级 含油量 3 级
温度	定位器环境温度： 0-60° C 阀门介质温度： -10-180°C 阀门环境温度： -10-60°C
气动接头	1/4英寸插入式软管接头(内径Φ6mm)
电气快速接头	M12 二针 B标准(电缆直径ø 4-6mm) M12 四针 D标准(电缆直径ø 4-6mm)
气体输出流量	17 l/min(输入压力为0.6Mpa)
阀门行程控制范围	直行程 5-25 mm
阀门接口尺寸	DN15-DN50
使用介质	水、中性气体、水蒸气、弱酸或弱碱溶液
介质粘度	max 600mm²/s
安装方式	倾向于安装在执行器顶端，通过螺纹和执行器连接
防护等级	IP67
功耗	<5W

技术参数

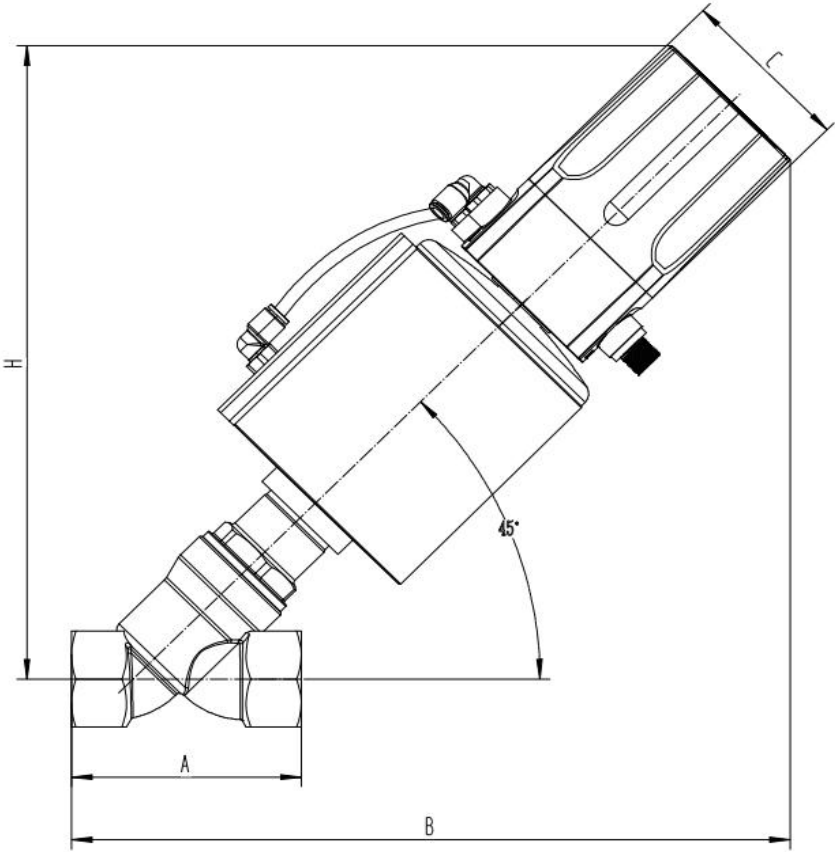
1500+2710调节式角座阀技术参数	
材料	定位器材质：聚碳酸脂（PC）硅橡胶(SI) 聚酰胺(PA6-GF30) 执行器材质：不锈钢CF8/铝合金 密封材质： 阀芯密封：PTFE/RTFE 阀杆密封：PTFE/FKM 活塞密封：FKM
电源	直流 24V ±10%
信号输入	4 – 20 mA
设定信号输入阻抗	140Ω
气源	中性气体, 符合 DIN ISO 8573-1 要求 固体颗粒大小和密度 3 级 露点 3 级 含油量 3 级
温度	定位器：0-60° C 阀门介质温度：-10-180℃ 阀门环境温度：-10-60℃
气动接头	1/4英寸插入式软管接头(内径Φ6mm)
电气快速接头	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)
输出气体流量	17 l/min(输入压力为0.6Mpa) 95 l/min(输入压力为0.6Mpa, 仅单作用)
阀门行程控制范围	直行程5-50 mm 角行程90°
阀门接口尺寸	DN15-DN50
使用介质	水、中性气体、水蒸气、弱酸或弱碱溶液
安装方式	倾向于安装在执行器顶端，通过螺纹和执行器连接
介质粘度	max 600mm²/s
防护等级	IP67
功耗	<5W

外形尺寸



不锈钢执行器阀门 外形尺寸 （单位：mm）					
阀体规格	执行器规格	A	B	C	H
DN15	63	65	255	69	238
DN20	63	75	263	69	252
DN25	80	90	282	69	258
DN32	80	110	298	69	266
DN40	100	120	321	69	288
DN50	100	150	339	69	298

外形尺寸



铝合金执行器阀门 外形尺寸 （单位：mm）					
阀体规格	执行器规格	A	B	C	H
DN15	63	65	253	69	236
DN20	63	75	261	69	240
DN25	80	90	282	69	258
DN32	100	110	312	69	280
DN40	100	120	323	69	282
DN50	100	150	342	69	301

KV值数据

选型	10%	20%	30%	40%	50%	60%	70%	80%	90%	100%
2710 (DN15)	0.2	0.48	0.69	0.86	1.10	1.58	2.12	2.48	3.15	3.17
2710 (DN25)	1.0	1.7	2.4	3.1	3.8	5.1	6.9	8.5	9.5	11.6
2710 (DN32)	1.77	2.45	3.10	3.8	4.45	5.6	8.44	12.1	15.32	16.92
2710 (DN40)	0.88	1.88	2.71	3.44	4.57	7.02	10.61	14.65	19.1	19.94
2710 (DN50)	1.49	2.81	4.11	5.03	6.84	12.36	19.29	27.53	32.68	35.93

Description

The angle seat control valve is combined with intelligent valve positioner (1800S) and angle seat valve(2710). The valve spool design of the angle seat valve (2710) is different from the angle seat valve (2700). It's flow characteristic is more suitable for the flow adjustment.

The product is easy to operate and has rich software functions. It can easily be operated via the LCD and keypad. It detects the external setting signal and the signal of internal displacement sensor, and adjusts valve stroke quickly and accurately by using automatic control algorithm and PWM control technology.



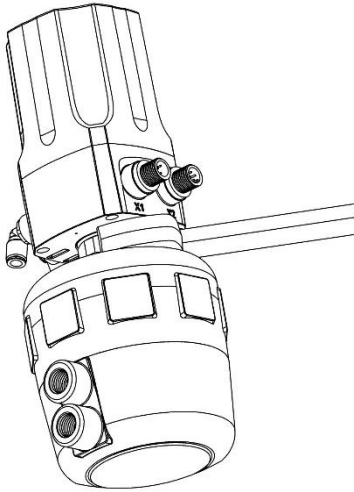
1880S+2710 Angle Seat Control Valve



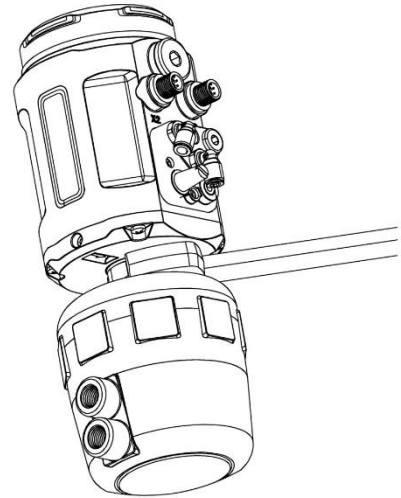
1500+2710 Angle Seat Control Valve

Assembling

The positioner and Valve is connected by thread. Users can easily assemble them with a #32 wrench.

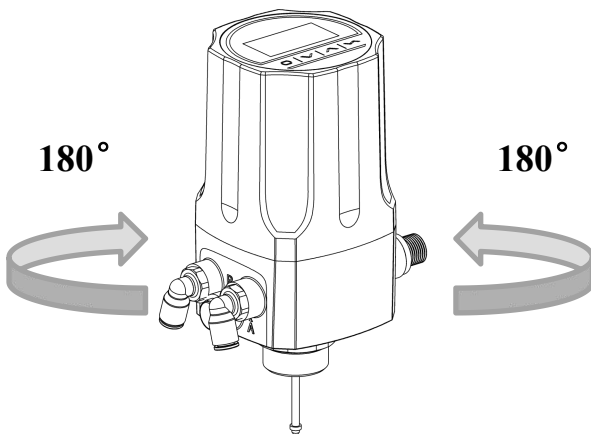


1880S Assembling

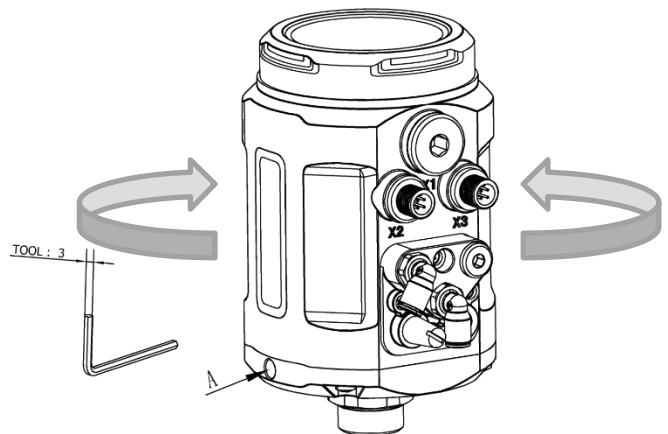


1500 Assembling

After assembling, the Positioner can still have 360° Rotation to fix to your favorite position



1880S Angle Adjustment



1880S Angle Adjustment

Technical Data

1880S+2710 Angle Seat Control Valve Technical Data

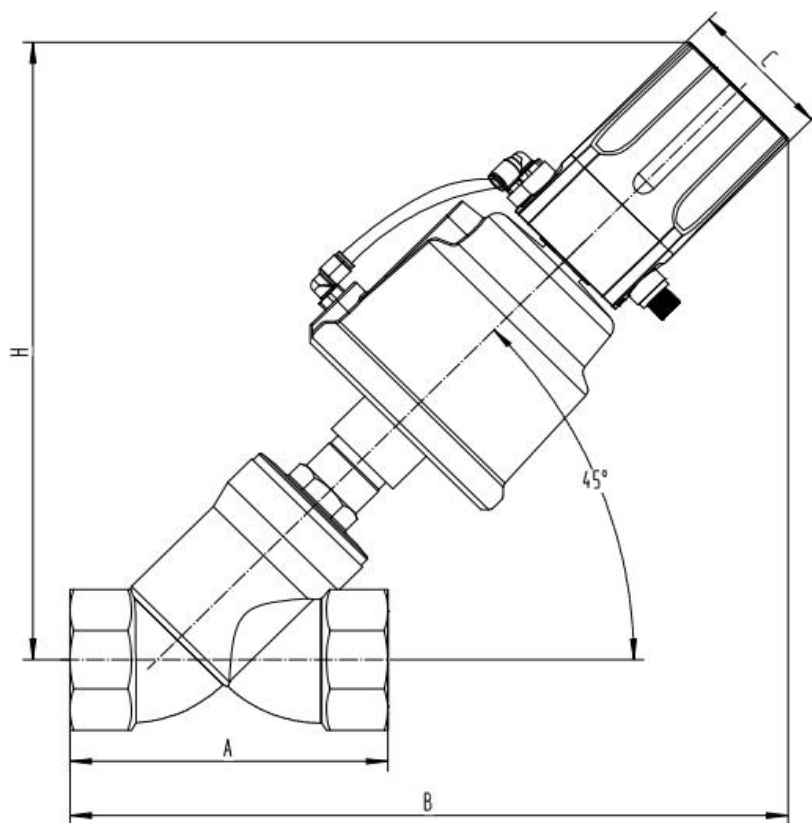
Material	Positioner Material: PC、SI、PA6-GF30 Actuator Material: Stainless Steel(CF8) / Aluminium Alloy Seal Material: Spool Seal: PTFE/RTFE Stem Seal: PTFE/FKM Piston Seal: FKM
Power Supply	24V DC $\pm$ 10%
Set-point signal	0/4 - 20mA
Input resistance for set-point signal	120 Ω
Air Supply	neutral gases, air DIN ISO 8573-1 Solid particle size and density Class 3 Dew point Class 3 Oil content Class 3
Temperature	Positioner Ambient Temp.: 0-60° C Valve Medium Temp: -10-180°C Valve Ambient Temp.: -10-60°C
Pneumatic Connection	Plug-in hose connector G1/4(internal Φ 6mm)
Electrical Connection	M12 2-pins B-coded(cable $\varnothing$ 4-6mm) M12 4-pins D-coded(cable $\varnothing$ 4-6mm)
Air flow rate	17 l/min(input pressure of 0.6Mpa)
Stroke Control Range	Linear 5-25 mm
Valve Size	DN15-DN50
Applicable Medium	Water, Liquid, Neutral Gas, Steam, Slight Corrosive Gas and Liquid
Viscosity	max 600mm ² /s
Installation	Should be mounted with actuator by thread in upright position
Protection Class	IP67
Power Consumption	<5W

Technical Data

1500+2710 Angle Seat Control Valve Technical Data

Material	Positioner Material: PC、SI、PA6-GF30 Actuator Material: Stainless Steel(CF8) / Aluminium Alloy Seal Material: Spool Seal: PTFE/RTFE Stem Seal: PTFE/FKM Piston Seal: FKM
Power Supply	24V DC $\pm$ 10%
Set-point signal	4 - 20mA
Input resistance for set-point signal	140 Ω
Air Supply	neutral gases, air DIN ISO 8573-1 Solid particle size and density Class 3 Dew point Class 3 Oil content Class 3
Temperature	Positioner Ambient Temp.: 0-60° C Valve Medium Temp: -10-180°C Valve Ambient Temp.: -10-60°C
Pneumatic Connection	Plug-in hose connector G1/4(internal Φ 6mm)
Electrical Connection	M12 3-pins B-coded(cable $\varnothing$ 4-6mm) M12 4-pins D-coded(cable $\varnothing$ 4-6mm)
Air flow rate	17 l/min(input pressure of 0.6Mpa) 95 l/min(input pressure of 0.6Mpa, only for single-acting)
Stroke Control Range	Linear 5-30 mm Rotary 90°
Valve Size	DN15-DN50
Applicable Medium	Water, Liquid, Neutral Gas, Steam, Slight Corrosive Gas and Liquid
Viscosity	max 600mm ² /s
Installation	Should be mounted with actuator by thread in upright position
Protection Class	IP67
Power Consumption	<5W

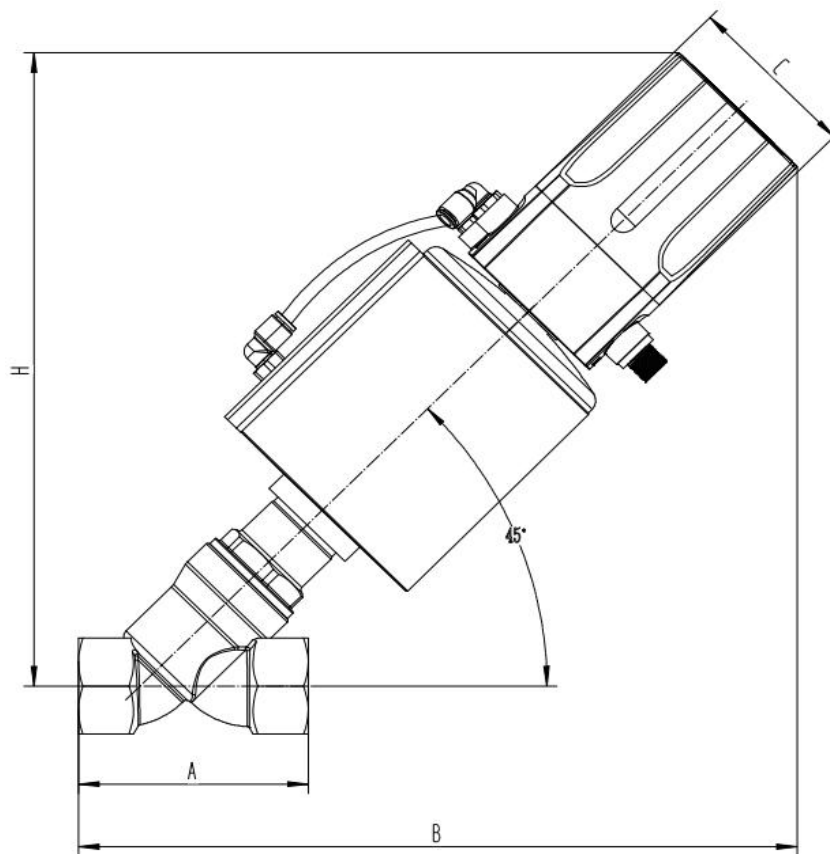
Dimensions



Dimension of Valve with Stainless Steel Actuator (Unit: mm)

Valve	Actuator	A	B	C	H
DN15	63	65	255	69	238
DN20	63	75	263	69	252
DN25	80	90	282	69	258
DN32	80	110	298	69	266
DN40	100	120	321	69	288
DN50	100	150	339	69	298

Dimensions



Dimension of Valve with Aluminium Alloy Actuator (Unit: mm)

Valve	Actuator	A	B	C	H
DN15	63	65	253	69	236
DN20	63	75	261	69	240
DN25	80	90	282	69	258
DN32	100	110	312	69	280
DN40	100	120	323	69	282
DN50	100	150	342	69	301

KV Value

Type	10%	20%	30%	40%	50%	60%	70%	80%	90%	100%
2710 (DN15)	0.2	0.48	0.69	0.86	1.10	1.58	2.12	2.48	3.15	3.17
2710 (DN25)	1.0	1.7	2.4	3.1	3.8	5.1	6.9	8.5	9.5	11.6
2710 (DN32)	1.77	2.45	3.10	3.8	4.45	5.6	8.44	12.1	15.32	16.92
2710 (DN40)	0.88	1.88	2.71	3.44	4.57	7.02	10.61	14.65	19.1	19.94
2710 (DN50)	1.49	2.81	4.11	5.03	6.84	12.36	19.29	27.53	32.68	35.93