卫生角座阀
Sanitary Angle Seat Valve

YODSN永德信®

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应用 / Applications

▪ 控制气体：中性气体，空气　控制液体：自动化工业控制流体、食品级乳工业、生活用水、普通管道流体介质等。角座阀广泛应用于短时间频繁启动，具有反应灵敏，动作准确的特点。

▪ Control gas: neutral gas,air control liquid:automation industry control fluid,foodstuff dairy industry,domestic water,common pipeline fluid medium and so on.The angle seat valve is extensively use to frequently start in short time,with feature of response delicacy and exact action.

技术参数 /Technical Data

▪ 压力范围：0-2.5Mpa(即 PN0-PN25)
▪ 介质温度：-20℃ ~180℃ (常温型)
　　-20℃ ~300℃ (高温型)
▪ 环境温度：-10℃ ~+60℃

▪ Range of pressure:0-2.5Mpa(PN0-PN25)
▪ Medium temperature: -20℃ ~180℃ (normal type)
　-20℃ ~300℃ (high temperature)
▪ Enviroment temperature：-10℃ ~60℃

材料 /Material

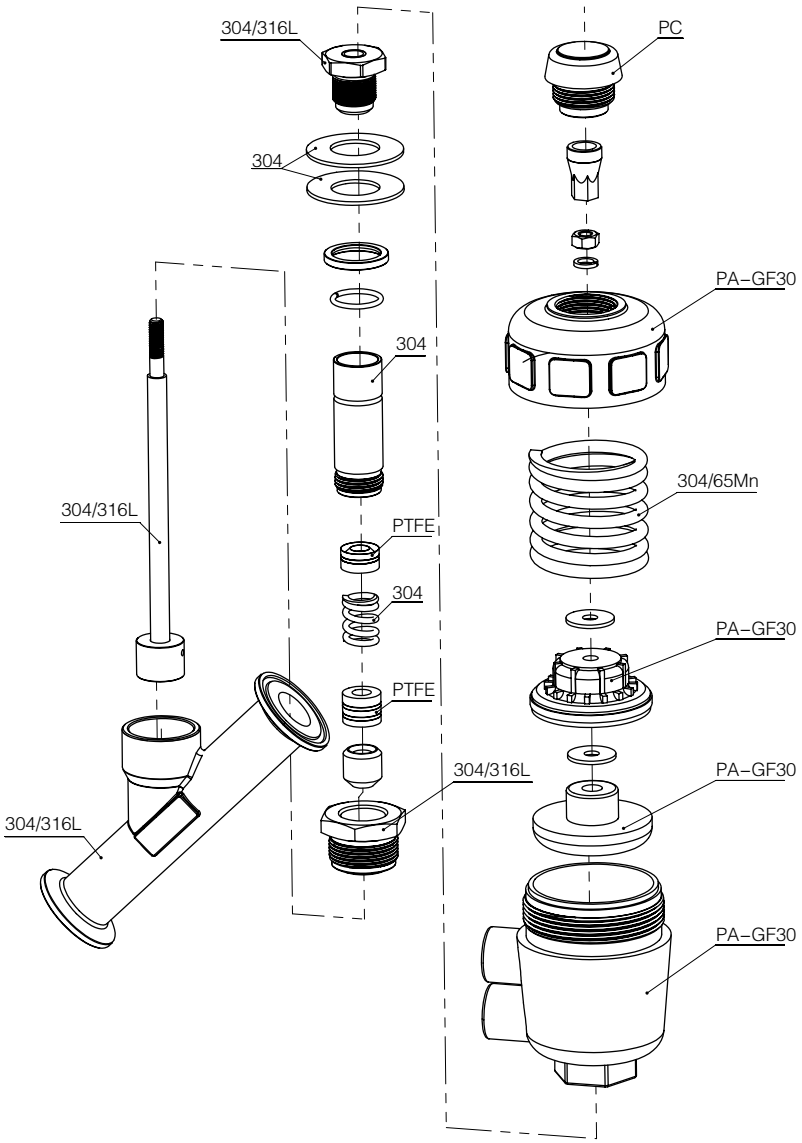
▪ 阀体材料：304/316L 不锈钢
▪ 密封材料：聚四氟乙烯
▪ 执行机构外壳：聚酰按、不锈钢

▪ The valve body material :
　stainless steel 304/316L.
▪ Seal material:PTFE
▪ The shell of actuator:
　polyamide and stainless steel.

特点 /Feature

1. 具有阀门开或关位置显示。
2. 外部气动先导，可增加使用寿命，免维护。
3. 溢流口与滑块间有自调节密封压盖，可提高密封性能。
4. 阀体角座结构，可实现大流量 (特别是与普通截止阀相比较)，结构紧凑响应快。

1.It have valve open or close position display.
2.pneumatic guide outside,can prolong the service life,maintenance free.
3.It have self-regulation sealing gland between overfall and slider,can improve sealing property.
4.The structure of angel seat valve body,can achievable mass flow(especially compare with normal stop valve),compact structure response is fast.



标准设计 /Standard Design

- 单作用（气动头通常为一个孔）；

  工作原理：根据弹簧复位达到开启和关闭的作用，分为常开型与常闭型。

- 双作用（气动头通常为两个孔）；

  工作原理：给气控制其开关。（根据客户要求，还可以选双作用加弹簧复位，控制更精准）

- 气动角座阀按管道安装类别可分为：焊接式连接 快装式连接
  螺纹式连接 法兰式连接

- 气动角座阀按执行器种类分为：塑料执行器角座阀
  不锈钢执行器角座阀

- Single effect(usually one hole on actuator top)：

  Operating principles:to reach the open and close function according to spring reset,it divide into normally open and close.

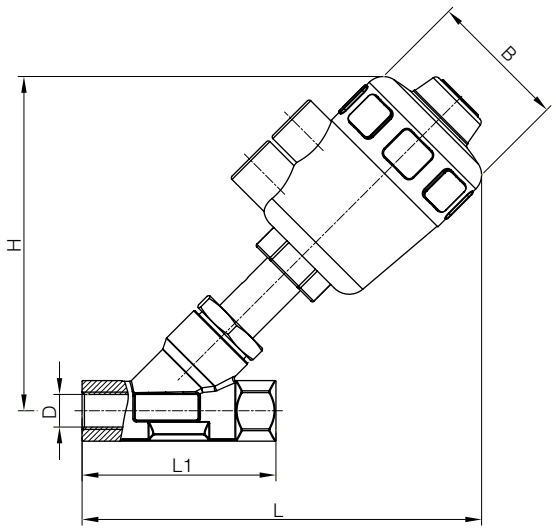
- Double effect(usually two holes on actuator):

  Operating principles:give the air to control switch.(according to customer's requirement,also can choose double effect plus spring reset, more accurately)

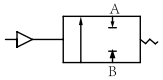
- The pneumatic angle seat valve according to pipeline installation category can divide into: welded,clamped,threaded and flanged connect type.

- The actuator of pneumatic angle seat valve can divide into:plastic actuator angle seat valve and stainless steel actuator angle seat valve.

内螺纹气动角座阀
Femaled Angle Seat Valve

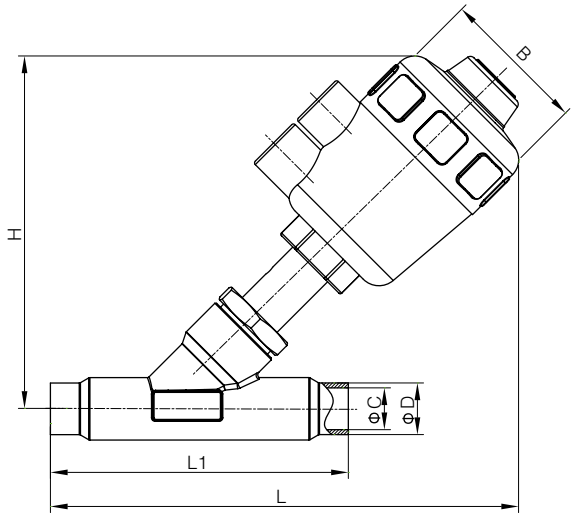


NO.1107001

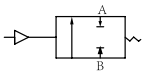
接口英寸 Interface	内孔 mm Inner Bored	KV 值 m^3/h	最大工作压力 bar Max working pressure	要求最小控制压力 [bar] Min Control Pressure	执行机构尺寸 ϕ mm Actuator	流向 Flow direction	控制功能 Control way
G3/8	10.0	3.7	0–16	4.0	50	阀座上方 Above the seat	
G1/2	15.0	4.2	0–16	2.7	50		
G3/4	20.0	8.0	0–16	2.7	63		
G1	25.0	19.0	0–16	2.0	63		
$G1_{1/4}$	32.0	27.5	0–16	2.0	63		
$G1_{1/2}$	40.0	42.0	0–16	2.0	63		
G2	50.0	52.0	0–16	2.0	80		
$G2_{1/2}$	65.0	77.0	0–14	1.5	100		

SIZE	Actuator(mm)	L	L1	B	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	$G2_{1/2}$"	340
DN80	100	368	220	126	G3"	300

焊接式气动角座阀
Welded Angle Seat Valve



NO.1107002

接口 英寸 Interface	内孔 mm Inner Bored	KV 值 m^3/h	最大工作压力 bar Max working pressure	要求最小控制力 bar Min Control Pressure	执行机构尺寸 ϕmm Actuator	流向 Flow direction	控制功能 Control way
G3/4	20.0	8.0	0–16	2.7	50	阀座上方 Above the seat	
G1	25.0	19.0	0–16	2.0	63		
$G1_{1/4}$	32.0	27.5	0–16	2.0	63		
$G1_{1/2}$	40.0	42.0	0–16	2.0	63		
G2	50.0	52.0	0–16	2.0	80		
$G2_{1/2}$	65.0	77.0	0–14	1.6	100		

SIZE	L	L1	B	H	C	D	执行器 Actuator
DN15	180	100	64	137	15	18	ϕ50
DN20	185	120	64	145	19	22	ϕ50
DN25	210	140	80	173	25	28	ϕ63
DN32	240	155	80	210	31	34	ϕ63
DN40	250	170	80	260	37	40	ϕ63
DN50	330	190	100	301	49	52	ϕ80

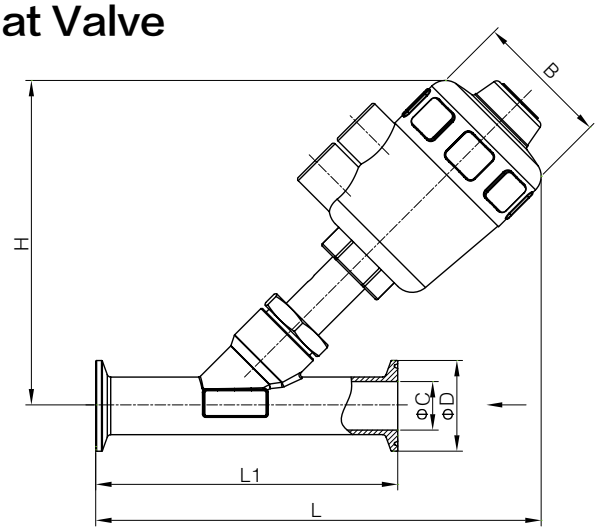
3A

SIZE	3/4"	1"	$1_{1/4}$"	$1_{1/2}$"	2"	
C	15.75	22.1	28.5	34.8	47.5	其余参数同上！ Other data same as above
D	19.05	25.4	31.8	38.1	50.8	

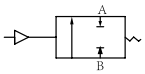
SMS/ISO

SIZE	19	25	32	38	51	
C	16.05	22.4	28.8	35.1	47.8	其余参数同上！ Other data same as above
D	19.05	25.4	31.8	38.1	50.8	

快装式气动角座阀
Clamped Angle Seat Valve



NO.1107003

接口 [英寸] Interface	内孔 [mm]Inner Bored	KV 值 [m^3/h]	最大工作压力 [bar] Max working pressure	要求最小控制压力 [bar] Min Control Pressure	执行机构尺寸 [ϕmm Actuator	流向 Flow direction	控制功能 Control way
G3/4	20.0	8.0	0–16	2.7	50	阀座上方 Above the seat	
G1	25.0	19.0	0–16	2.0	63		
$G1_{1/4}$	32.0	27.5	0–16	2.0	63		
$G1_{1/2}$	40.0	42.0	0–16	2.0	63		
G2	50.0	52.0	0–16	2.0	80		
$G2_{1/2}$	65.0	77.0	0–14	1.6	100		

SIZE	L	L1	L2	B	C	D	执行器 Actuator
DN15	180	120	64	137	15	50.5	ϕ50
DN20	185	140	64	145	19	50.5	ϕ50
DN25	210	160	80	173	25	50.5	ϕ63
DN32	240	176	80	210	31	50.5	ϕ63
DN40	250	190	80	260	37	50.5	ϕ63
DN50	330	210	100	301	49	64	ϕ80

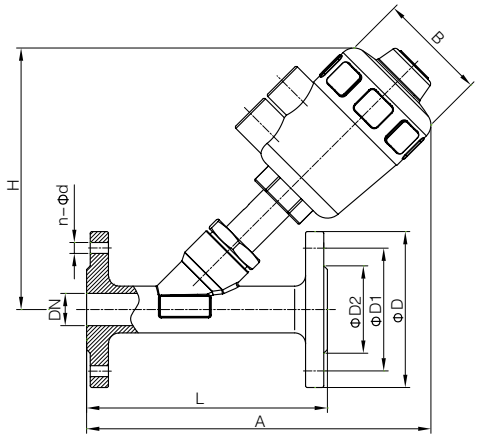
3A

SIZE	3/4"	1"	$1\ _{1/4}$"	$1\ _{1/2}$"	2"	
C	15.85	22.1	28.5	34.8	47.5	其余参数同上！ Other data same as above

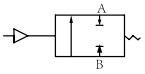
SMS/ISO

SIZE	19	25	32	38	51	
C	16.05	22.4	28.8	35.1	47.8	其余参数同上！ Other data same as above

法兰式气动角座阀
Flange Angle Seat Valve



NO.1107004

接口 [英寸] Interface	内孔 [mm] Inner Bored	KB 值 [m^3/h]	最大工作压力 [bar] Max working pressure	要求最小控制压力 [bar] Min Control Pressure	执行机构尺寸 [ϕmm] Actuator	流向 Flow direction	控制功能 Control way
G3/8	10.0	3.7	0–16	4.0	50	阀座上方 Above the seat	
G1/2	15.0	4.2	0–16	2.7	50		
G3/4	20.0	8.0	0–16	2.7	50		
G1	25.0	19.0	0–16	2.0	63		
$G1_{1/4}$	32.0	27.5	0–16	2.0	63		
$G1_{1/2}$	40.0	42.0	0–16	2.0	63		
G2	50.0	52.0	0–16	2.0	80		
$G2_{1/2}$	65.0	77.0	0–14	1.6	100		

SIZE	L	D	D1	D2	H	A	B	N–ϕd	执行器 Actuator
DN15	120	95	65	40	137	180	64	4–ϕ14	ϕ50
DN20	130	105	75	50	145	185	64	4–ϕ14	ϕ50
DN25	140	115	85	60	173	210	80	4–ϕ14	ϕ63
DN32	150	135	100	70	210	240	80	4–ϕ18	ϕ63
DN40	180	145	110	80	260	245	80	4–ϕ18	ϕ63
DN50	195	160	125	92	300	295	100	4–ϕ18	ϕ80
DN65	230	185	145	115	315	320	126	4–ϕ18	ϕ100
DN80	250	195	160	130	330	330	126	8–ϕ18	ϕ100
DN100	280	215	180	150	350	360	156	8–ϕ18	ϕ125

3A

SIZE	3/4"	1"	$1_{1/4}$"	$1_{1/2}$"	2"	$2_{1/2}$"	3"	4"	
Dn	15.85	22.1	28.5	34.8	47.5	60.2	72.9	97.4	其余参数同上！ Other data same as above

SMS/ISO

SIZE	19	25	32	38	51	63	76	102	
Dn	16.05	22.4	28.8	35.1	47.8	59.5	72.2	97.6	其余参数同上！ Other data same as above