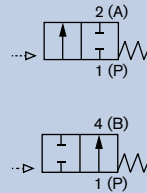


On-Off Pneumatically Operated 2/2-way Angle Valve for Liquids

2000

NPT 1/2" - NPT 2 1/2"

- Waterhammer-free
- High flow rates
- Self adjusting double packing
- Optical position indicator is standard
- Rotating actuator to orient air control connections



CLICK ME



FOR DATA SHEET

The angle seat valve consists of a pneumatically actuated actuator and a 2-way valve body. Depending on the ambient temperature the actuator is available in two different materials, PA and PPS. The self adjusting gland packing ensures a good seal. The 2/2-way flow valve body made of bronze or stainless steel precision casting allows high flow rates. These durable and robust valves can be retrofitted with a comprehensive range of accessories for position indication, stroke limitation or manual override.

Technical Data

Pressure range	See Ordering Chart
Viscosity	max. 600 mm ² /s
Stuffing socket (with silicone grease)	PTFE V-Rings with spring compensation
Temperature media	14 °F to 356 °F (-10 °C to +180 °C)
Ambient temperature	
for PA-Actuator	14 °F to 140 °F (-10 °C to +60 °C)
for PPS-Actuator ¹⁾ Ø 40-80	41 °F to 284 °F (+5 °C to +140 °C)
for PPS-Actuator ¹⁾ Ø 100-125	41 °F to 194 °F (+5 °C to +90 °C), temporary up to 284 °F (+140 °C)
Body material	Gunmetal or stainless steel 316L
Seal material	PTFE
Actuator material	Polyamide or PPS
Control medium	Instrument air at 87 PSI
Flow direction	Under seat
Safe position	Normally closed or normally open
Pilot air port	1/4" (Actuator Ø 40 = 1/8")

Options

- Double acting
- Solenoid pilot valves
- Vacuum version
- Feedback switches
- Cleaned for oxygen service
- Seal material NBR, FKM, EPDM
- GL, SIL approvals
- Stroke limiter
- High Temp option (CF38) up to 446F (230C)

Accessories for 2000

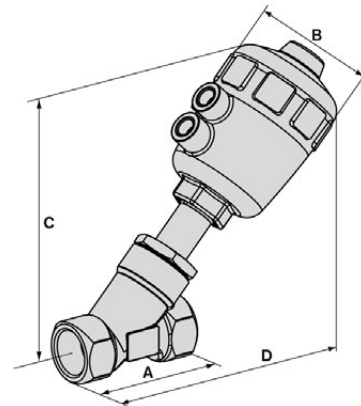


8697 feedback for classic actuators

6014 banjo

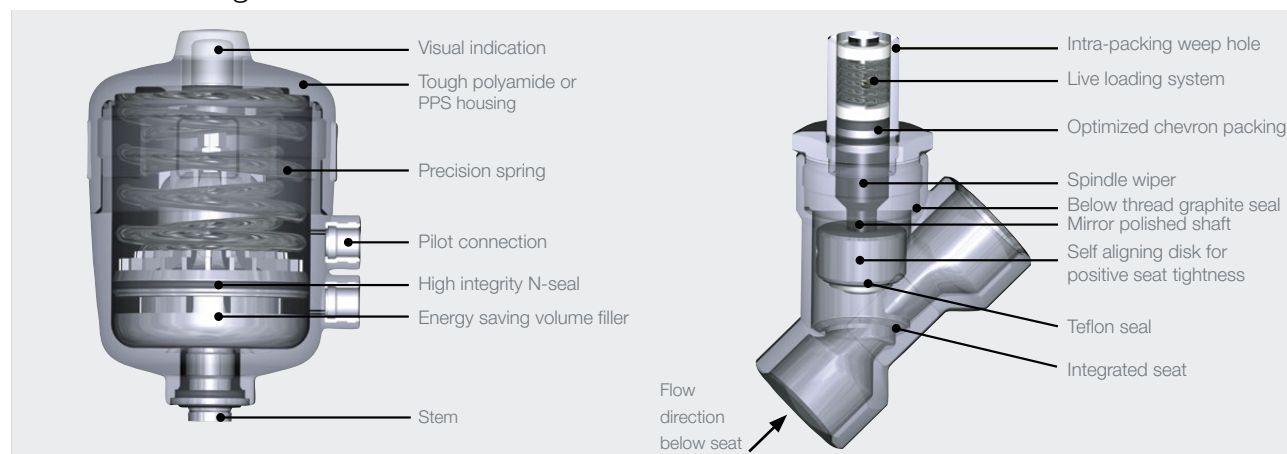
7012P pilot valve

Envelope Dimensions [inch] (see datasheet for details)



Size	Actuator [mm]	A	B	C	D
NPT 1/2"	40	2.55	2.08	4.52	5.47
NPT 1/2"	50	2.55	2.51	5.51	6.41
NPT 3/4"	50	2.95	2.51	5.66	6.73
NPT 3/4"	63	2.95	3.14	6.73	7.79
NPT 1"	50	3.54	2.51	5.98	7.12
NPT 1"	63	3.54	3.14	6.96	8.11
NPT 1"	80	3.54	3.97	7.79	8.97
NPT 1 1/4"	63	4.33	3.14	7.20	8.62
NPT 1 1/4"	80	4.33	3.97	8.07	9.44
NPT 1 1/2"	63	4.72	3.14	7.40	8.74
NPT 1 1/2"	100	4.72	5.00	10.23	11.61
NPT 1 1/2"	125	4.72	6.22	11.37	12.75
NPT 2"	80	5.90	3.97	8.85	10.62
NPT 2"	100	5.90	5.00	10.70	12.48
NPT 2"	125	5.90	6.22	11.88	13.66
NPT 2 1/2"	80	7.28	3.97	9.40	11.65
NPT 2 1/2"	100	7.28	5.00	11.29	13.54
NPT 2 1/2"	125	7.28	6.22	12.48	14.72

Sectional Drawings



Ordering Charts

Standard PA Actuator

2000 for liquids	Actuator [mm]	Cv	Pressure	Item no. Bronze	Item no. Stainless Steel
Normally closed					
NPT 1/2"	40	4.3	217	468156	468186
NPT 1/2"	50	4.9	232	468157	468187
NPT 3/4"	50	9.8	160	468158	468041
NPT 3/4"	63	10.4	232	468159	468188
NPT 1"	63	20.8	160	468039	468043
NPT 1"	80	20.8	232	468160	468189
NPT 1 1/4"	80	31.3	203	468161	468190
NPT 1 1/2"	80	43.9	131	468162	468044
NPT 1 1/2"	100	46.3	181	468216	468217
NPT 1 1/2"	125	46.3	232	468163	468191
NPT 2"	100	63.6	104	468131	468134
NPT 2"	125	63.6	145	468142	468045
NPT 2 1/2"	125	104.1	75	468132	468135
NPT 2 1/2"	125	104.1	151	468453	468454
Normally open					
NPT 1/2"	40	4.3	232	468164	468192
NPT 1/2"	50	4.9	232	468165	468193
NPT 3/4"	50	9.8	232	468166	468194
NPT 1"	50	11.6	232	468167	468195
NPT 1 1/4"	63	28.9	232	468168	468464
NPT 1 1/2"	63	40.5	232	468169	468196
NPT 1 1/2"	80	43.9	232	468218	468219
NPT 2"	63	56.7	188	468133	468449
NPT 2"	80	60.1	232	468143	468144
NPT 2 1/2"	80	89.1	217	468451	468450

PPS Actuator for high temperatures and severe washdown environment

2000 for liquids	Actuator [mm]	Cv	Pressure	Item no. Bronze	Item no. Stainless Steel
Normally closed					
NPT 1/2"	40	4.3	218	468176	468204
NPT 1/2"	50	4.9	232	468177	468205
NPT 3/4"	50	9.8	160	468178	468206
NPT 3/4"	63	10.4	232	468455	468207
NPT 1"	63	20.8	160	-	468208
NPT 1"	80	31.2	232	468456	468465
NPT 1 1/4"	80	31.2	203	468457	468466
NPT 1 1/2"	80	43.9	131	468458	468467
NPT 2"	100	63.6	105	468473	468474
NPT 2"	125	63.6	145	468452	468475
Normally open					
NPT 1/2"	40	4.3	232	468179	468468
NPT 1/2"	50	4.9	232	468459	468209
NPT 3/4"	50	9.8	232	468460	468469
NPT 1"	50	11.6	232	468461	468470
NPT 1 1/4"	63	28.9	232	468462	468471
NPT 1 1/2"	63	40.6	232	468463	468472
NPT 2"	63	56.8	188	468476	468477
NPT 2"	80	60.3	218	468478	468479

 = Burkert Quick Delivery Express Program Items