

# On-Off Pneumatically Operated 2/2 Way Angle Valve for Steam and Gases

2000

**NPT 1/2" - NPT 2 1/2",  
0-232 PSI or 150#**

- Worldwide benchmark for quality and reliability
- PPS head for hot environments
- Self adjusting double packing



Bürkert's classic angle seat valve for on-off steam applications. Depended upon around the globe for unsurpassed lifetime. Its closed configuration with overseat flow for steam and gases these valves exhibit live loaded packing, N-seal piston actuator all in a rugged compact envelope.

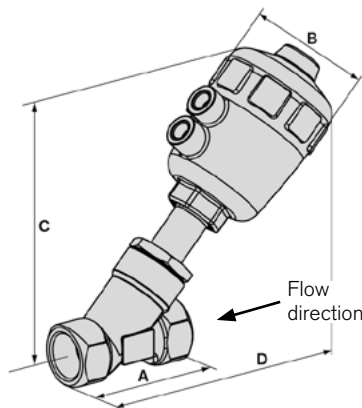
## Technical Data

<b>Pressure range</b>	0-232 PSI, Max.
<b>Temperature media</b>	14 °F ... +356 °F
<b>Ambient temperature Max.</b>	PA actuator 14-140 °F PPS actuator 40-80 284 °F, 100-125 194 °F
<b>Body material</b>	Bronze, stainless steel
<b>Seal material</b>	PTFE
<b>Actuator Material</b>	Polyamide or PPS
<b>Control medium</b>	Instrument air at 80 PSI
<b>Flow direction</b>	Over seat to minimize actuator size
<b>Port connection</b>	NPT
<b>Safe position</b>	Normally closed

## Ordering Chart

Connection	Actuator [mm]	Cv	Bronze	Stainless Steel
<b>Normally closed polyamide head</b>				
1/2" NPT	50	4.9	463 585	463 627
3/4" NPT	40	8.1	463 586	463 628
3/4" NPT	50	9.8	463 587	463 629
1" NPT	50	11.6	463 588	463 630
1" NPT	63	20.8	463 589	463 631
1 1/4" NPT	63	28.9	463 590	463 632
1 1/2" NPT	63	40.5	463 591	463 633
<b>Normally closed, high ambient temperature PPS actuator</b>				
1/2" NPT	50	4.9	463 606	463 648
3/4" NPT	50	9.3	463 607	463 649
1" NPT	50	22.0	463 608	463 650
1" NPT	63	20.8	463 609	463 651
1 1/4" NPT	63	31.3	463 610	463 652
1 1/2" NPT	63	40.6	463 611	463 653

## Envelope Dimensions [inch] (see datasheet for details)



Size	A	B	C	D
1/2"	2.56	2.52	5.35	6.42
3/4"	2.95	2.52	5.67	6.57
1"	3.54	2.52	5.71	6.89
1"	3.54	3.15	6.69	7.83
1 1/4"	4.33	3.15	7.32	8.90
1 1/2"	4.72	3.15	7.44	9.02

## Options

- Normally open
- Double acting
- Solenoid pilot valves (see page 34)
- Vacuum version
- Feedback switches
- High temperature actuator in PPS
- Chemically resistant actuator
- Cleaned for oxygen service
- Stroke limiter