

Parker Angle Body Valves

PA Series 2-Way, NC or NO, 3/8" to 2-1/2" NPT, 232 PSI



Typical Applications:

Angle body valves are suitable for many process and industrial applications:

- Food and Beverage Processing
- Water Technology & Treatment
- Textile Industry
- Cooling Systems on Injection Molding Machines
- Pharmaceutical & Cosmetic Industry
- Chemical Process Technology
- Refrigeration & Cooling Heat Exchangers
- Sterilizers Steam Supply
- Water Applications: Mining, Cement / Concrete Systems, Pulp & Paper
- General Industrial Applications of Aggressive Fluids
- Industrial Laundry Equipment
- Industrial Air Dryers

Parker Fluid Control Division's Angle Body Valves offer a compact, versatile design that provides high flow rates for aggressive applications and corrosive fluids at temperatures from 14°F to 356°F. They are available in sizes ranging from 3/8" to 2-1/2". These valves are available with a 304 or 316L Stainless Steel body and Aluminum or 304 Stainless Steel actuator for exceptional durability in steam and aggressive applications.

Product Features:

- Compact design, high flow rates with Cv's up to 81.7
- Visual position indicator
- Fluid temperatures from 14°F to 356°F
- Working pressures up to 232 PSI
- Dampened closing Anti-Water Hammer design (fluid under seat)
- Stainless Steel actuator housing for exceptional durability in steam and aggressive applications
- Valves meet Pressure Equipment Directive 97/23/EC
- Mountable in any position
- Tight shut-off and long service life
- Parker Angle Body Valves conform to the terms of the 94/9/CE directive specific to non electrical equipment for use within potentially explosive environments - zone 2/22



ENGINEERING **YOUR** SUCCESS.

Parker Angle Body Valves PA Series 2-Way, NC or NO 3/8" to 2-1/2" NPT, 232 PSI

Technical Data

- Body material 304 SS or 316 SS
- Actuator material 304 SS, or Aluminum
- Function 2-Way, NC, NO, and NC Anti-Water Hammer
- Port size from 3/8" to 2-1/2"
- Body port connections: Threads NPT
- Maximum Working Pressure 232 PSI
- Flow factor 5.5 Cv to 81.7 Cv
- The PA Series Angle Body Valves comply with European Pressure Equipment Directive 97/23/EC
- Parker Angle Body Valves conform to the terms of the 94/9/CE directive specific to non electrical equipment for use within potentially explosive environments - Zone 2/22 - Protection II 3 GD T4
- Pilot Pressure 44 PSI min to 145 PSI max according to control pressure charts
- Fluid Temp 14°F to 356°F
- Ambient Temperature 14°F to 140°F
- Seat Seal material PTFE
- Packing Gland: PTFE & carbon filled PTFE
- Installs in any position
- Optical position indicator standard on all sizes
- Pilot control media: Air, neutral gas
- Fluids handled: Inert gases, hot water, oils, steam, aggressive and corrosive fluids
- Weight from 1.39 - 19.03 lbs
- Viscosity: Maximum 600 mm²/s (600cSt, 80° E, 2700 SSU)

PA Series - Normally Closed Valves

Model numbers below are available for next day shipment.

Valve Size	Port Size	Body Material	Orifice	Cv	Flow Direction	Actuator dia	Actuator port	Operating Pressure	Operating Pressure	Operating Pressure	Minimum Pilot Control	Model Number
	NPT		in		Seat	mm	in bsp	Air, Inert Gas	Liquids	Steam	Pressure Range	
								PSI bar	PSI bar	PSI bar	PSI bar	
3/8"	3/8	316L	0.51	5.5	Over	32	1.26 1/8	0-232 0-6	- -	0-130 0-8.9	65.3-87.0 4.5-6	PA10C1N3R032S
1/2"	1/2	316L	0.51	5.5	Over	32	1.26 1/8	0-232 0-16	- -	0-130 0-8.9	65.3-87.0 4.5-6	PA15C1N4R032S
1/2"	1/2	316L	0.51	5.5	Over	50	1.97 1/8	0-232 0-16	- -	0-130 0-8.9	43.5 3	PA15S1N4R050S
1/2"	1/2	304	0.51	5.5	Over	50	1.97 1/8	0-232 0-16	- -	0-130 0-8.9	43.5 3	PA15S1N4S050A
3/4"	3/4	316L	0.59	6.3	Over	32	1.26 1/8	0-203 0-14	- -	0-130 0-8.9	65.3-87.0 4.5-6	PA20C1N5R032S
3/4"	3/4	316L	0.71	10.5	Over	50	1.97 1/8	0-232 0-16	- -	0-130 0-8.9	43.5-58.0 3-4	PA20S1N5R050S
3/4"	3/4	304	0.71	10.5	Over	50	1.97 1/8	0-232 0-16	- -	0-130 0-8.9	43.5-58.0 3-4	PA20S1N5S050A
1"	1	316L	0.94	18.7	Over	63	2.48 1/8	0-232 0-16	- -	0-130 0-8.9	43.5-50.8 3-3.5	PA25S1N6R063S
1"	1	304	0.94	18.7	Over	63	2.48 1/8	0-232 0-16	- -	0-130 0-8.9	43.5-58.0 3-4	PA25S1N6S063A
3/8"	3/8	316L	0.51	5.5	Under*	32	1.26 1/8	0-87 0-16	0-87 0-6	- -	72.5-87.0 5-6	PA10C2N3R032S
3/8"	3/8	316L	0.51	5.5	Under*	50	1.97 1/8	0-232 0-16	0-232 0-16	- -	65.3 4.5	PA10SAN3R050S
1/2"	1/2	316L	0.51	5.5	Under*	32	1.26 1/8	0-87 0-16	0-87 0-6	- -	72.5-87.0 5-6	PA15C2N4R032S
1/2"	1/2	3016L	0.51	5.5	Under*	50	1.97 1/8	0-232 0-16	0-232 0-16	- -	65.3 4.5	PA15SAN4R050S
1/2"	1/2	304	0.51	5.5	Under*	50	1.97 1/8	0-232 0-16	0-232 0-16	- -	65.3 4.5	PA15SAN4S050A
3/4"	3/4	316L	0.59	6.3	Under*	32	1.26 1/8	0-58 0-14	0-58 0-4	- -	72.5-87.0 5-6	PA20C2N5R032S
3/4"	3/4	316L	0.71	10.5	Under*	50	1.97 1/8	0-145 0-10	0-145 0-10	- -	65.3 4.5	PA20SAN5R050S
3/4"	3/4	304	0.71	10.5	Under*	50	1.97 1/8	0-145 0-10	0-145 0-10	- -	65.3 4.5	PA20SAN5S050A
1"	1	316L	0.94	18.7	Under*	63	2.48 1/8	0-116 0-8	0-116 0-8	- -	65.3 4.5	PA25SAN6R063S
1"	1	304	0.94	18.7	Under*	63	2.48 1/8	0-116 0-8	0-116 0-8	- -	65.3 4.5	PA25SAN6S063A

*Anti-Water Hammer design

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