

Parker Angle Seat Valves

PA Series, 2/2 Way, NC or NO

3/8" to 2 1/2" BSP, 16 Bar



Introduction

An angle seat valve is actuated by a pneumatically driven piston and is capable to handle slurry solutions with particles or corrosive solutions at high temperature up to 180°C and operating pressure up to 16 Bar.

Benefits

- Compact design, high flow rates
- Visual position indicator
- For temperatures from -10°C to 180°C
- Working pressures up to 16 Bar
- Dampened closing anti-water hammer design (fluid under seat)
- Stainless Steel actuator housing for exceptional durability in steam and aggressive applications
- Valves meeting Pressure Equipment Directive 97/23/EC
- Mountable in any position
- Tight shut-off and Long Service Life
- Parker Angle Seat Valves conform to the terms of the 94/9/CE directive specific to non electrical equipment for use within potentially explosive environments - Zones 1/21 and 2/22



Contact Information

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Applications

Angle seat 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



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Technical Data

- Body Material
304 Stainless Steel
or 316 Stainless Steel
- Actuator Material
304 Stainless Steel,
or Aluminum
- Function 2/2 NC, NO, NC
(anti-water hammer)
- Port size from DN 10 (3/8")
to DN 65 (2 1/2")
- Connections: Threads BSP
- Max Working Pressure 16 Bar
- Flow factor KV from 4.7 m³/h
(DN10) to 70 m³/h (DN 65)
- Pilot Pressure 3 Bar min
to 10 Bar max
- Maximum Fluid Temperature
-10°C to 180°C
- Ambient Temperature -10°C
to 60°C
- Seat Seal material
PTFE/RTFE
- Packing Gland PTFE.
PTFE and Carbon
- Installation Any Position
- Optical Position Indicator
Standard on all sizes
- Pilot Control Media Air,
Neutral Gas
- Viscosity: Maxi. 600 mm²/S
(600cSt, 80° E, 2700 SSU)
- Fluids handled: Inert gases,
hot water, oils, steam,
aggressive and corrosive
fluids
- Weight from 0.58 Kg (DN10)
to 8.65 Kg (DN 65)



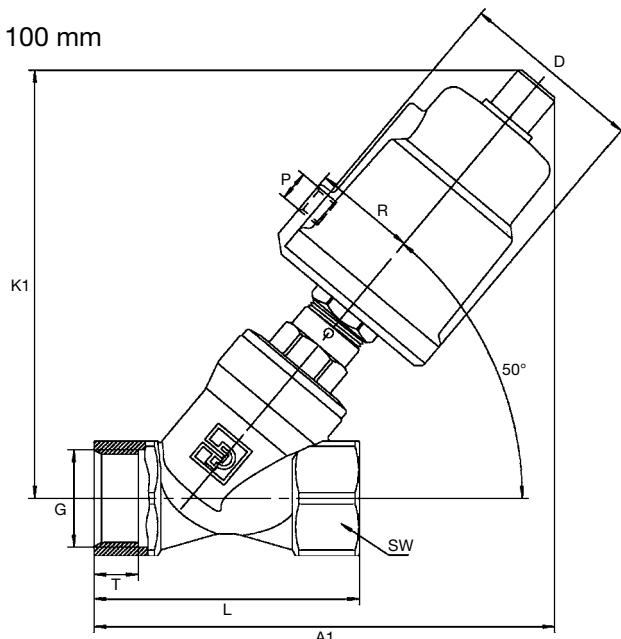
Accessories

- Spare Parts Kits are available for main seat
and body gasket replacement (on request)
- 3 Way Direct Acting AC & DC Pilot Control
Valves available as separate components

Flow Factors KV (m³/h) and Dimensions (mm)

Stainless Steel Actuators - Sizes 40, 50, 63, 80, 100 mm

| Type | KV | Actuator | D | R | P | K1 | A1 | G | T | L |
|------|------|----------|------|------|------|-----|-----|--------|------|-----|
| DN10 | 4.7 | 40 | 50.5 | 27 | G1/8 | 116 | 121 | G3/8 | 10 | 60 |
| | | 50 | 62 | 34 | G1/8 | 130 | 133 | G3/8 | 10 | 60 |
| DN15 | 4.7 | 40 | 50.5 | 27 | G1/8 | 118 | 124 | G1/2 | 11.5 | 65 |
| | | 50 | 62 | 34 | G1/8 | 131 | 135 | G1/2 | 11.5 | 65 |
| DN20 | 9.0 | 50 | 62 | 34 | G1/8 | 134 | 141 | G3/4 | 14 | 75 |
| | | 50 | 62 | 34 | G1/8 | 141 | 153 | G1 | 15 | 90 |
| DN25 | 16.0 | 63 | 77 | 41.5 | G1/8 | 164 | 175 | G1 | 15 | 90 |
| | | 63 | 77 | 41.5 | G1/8 | 170 | 188 | G1-1/4 | 18 | 110 |
| DN32 | 24.0 | 80 | 98 | 52 | G1/4 | 184 | 205 | G1-1/4 | 18 | 110 |
| | | 63 | 77 | 41.5 | G1/8 | 181 | 201 | G1-1/2 | 18 | 120 |
| DN40 | 32.0 | 80 | 98 | 52 | G1/4 | 195 | 217 | G1-1/2 | 18 | 120 |
| | | 100 | 121 | 63 | G1/4 | 213 | 235 | G1-1/2 | 18 | 120 |
| DN50 | 50.0 | 63 | 77 | 41.5 | G1/8 | 189 | 216 | G2 | 22 | 150 |
| | | 80 | 98 | 52 | G1/4 | 203 | 233 | G2 | 22 | 150 |
| DN65 | 70.0 | 100 | 121 | 63 | G1/4 | 221 | 250 | G2 | 22 | 150 |
| | | 100 | 121 | 63 | G1/4 | 248 | 285 | G2-1/2 | 25 | 180 |



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For more technical and ordering information refer to Catalogue FCDE 2213/UK.

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EMEA Product Information Centre

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