

TECHICAL CHARACTERISTICS.

OPERATION MEDIA.

- Air , Water , Alcohol ,Oil , Pertrol , Saline Solution , steam , etc.
- Pressure from 0 to 16 bar
(Steam 180°C , From 0 to 10 bar)
depending on the size and model choosen.
- Temperature from - 10°C to 180°C.
- Max Viscosity 600 cst.



| PIPE SIZE | MODEL | WORKING PRESSURE | MIN.CONTROL PRESSURE |
|-----------|------------|------------------|----------------------|
| 15 MM. | 2K200 - 15 | 0 - 16 BAR | 3.9 BAR |
| 20 MM. | 2K200 - 20 | 0 - 11 BAR | 3.9 BAR |
| 25 MM. | 2K200 - 25 | 0 - 11 BAR | 4.2 BAR |
| 32 MM. | 2K200 - 32 | 0 - 15 BAR | 5.0 BAR |
| 40 MM. | 2K200 - 40 | 0 - 12.5 BAR | 4.44 BAR |
| 50 MM. | 2K200 - 50 | 0 - 10 BAR | 4.0 BAR |

CONTROL MEDIA

- Driving media : compressed air , lubricated or dry , gas or natural media.
- Ambient temperature - 10°C to + 60°C for the standard version.

The variations in the auctioning of the valve , The several combinations and the possibility to intercept the fluid from above or below the plug , Originate multiple version of the automatic valve.

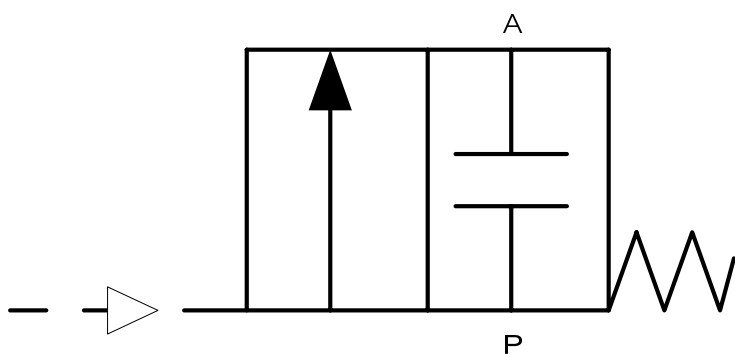
PILOT

ANGLE SEAT VALVE STAINLESS STEEL 316

TECHNICAL DATA DESIGN

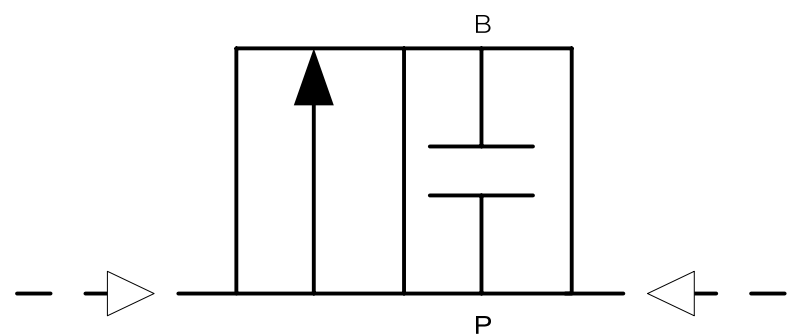
Control Function A

Normally closed with spring force
(when de-energised)



Control Function B

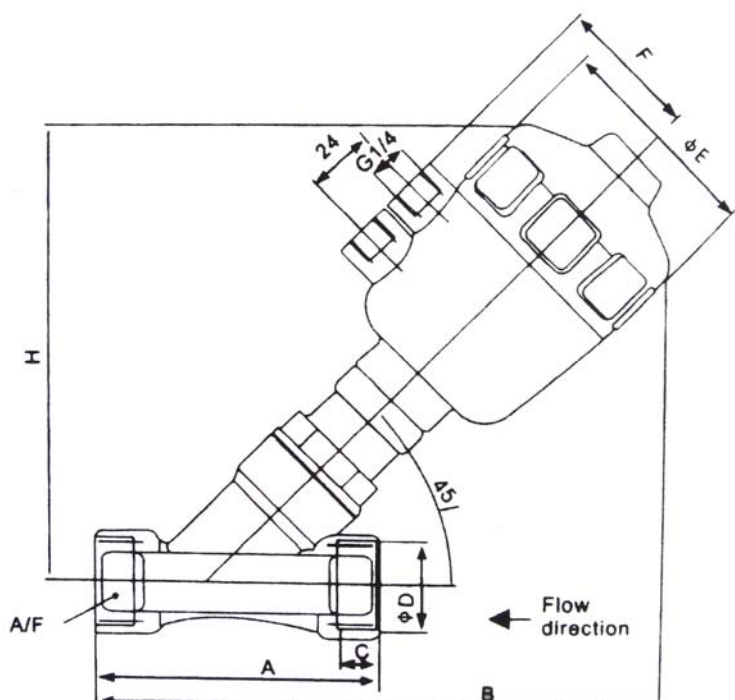
Double Action



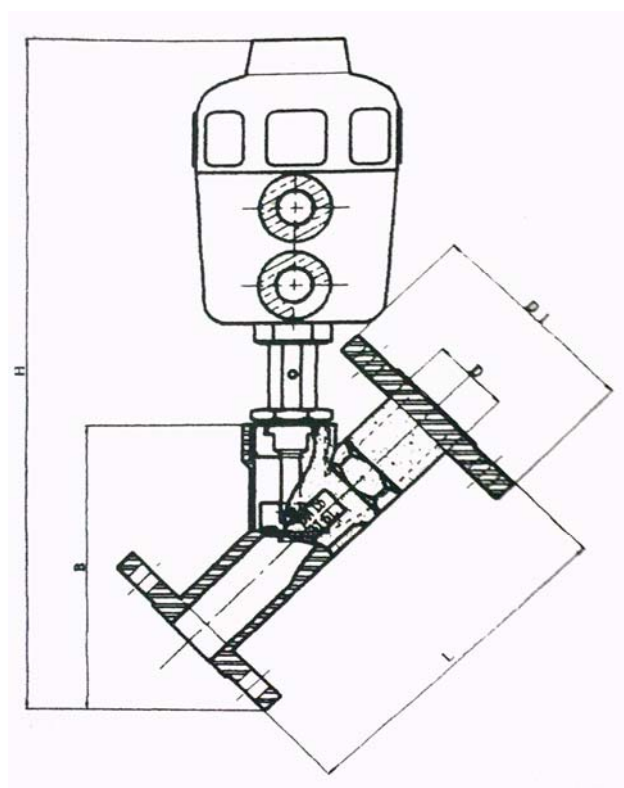
Key technical information

| | | | |
|-------------------------|-----------------------|---------------------|---------------------------|
| Control from | Straight motion | Valve body material | Stainless steel CF8M |
| Structure | Oblique seat valve | Valve core material | Stainless steel |
| Joint size | G1/2-G2 | Valve core material | PTFE |
| Viscosity | 600mm ² /s | Piston sealing | FKM/NBR |
| Medium temperature | PTFE - 10°C - + 180°C | Installation | Any position |
| Environment temperature | -10°C - + 60°C | Controlled medium | Air and neutral gas Steam |

Drawing of threaded connection type



Drawing of weld connection type



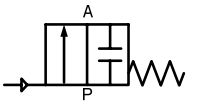
PILOT

ANGLE SEAT VALVE STAINLESS STEEL 316

Shape size

| Connect C.ØD | Inner Bored (mm) | Carry out the organization size (mm) | A | B | C | E | F | H | A/F |
|--------------|------------------|--------------------------------------|-----|-----|----|-----|----|-----|-----|
| G1/2 | 13 | 50 | 85 | 173 | 12 | 64 | 44 | 137 | 27 |
| G3/4 | 20 | 50 | 95 | 178 | 12 | 64 | 44 | 145 | 32 |
| G1 | 25 | 63 | 105 | 212 | 14 | 80 | 52 | 173 | 41 |
| G11/4 | 32 | 63 | 120 | 255 | 16 | 101 | 60 | 210 | 50 |
| G11/2 | 40 | 63 | 130 | 301 | 18 | 127 | 73 | 260 | 55 |
| G2 | 50 | 63 | 150 | 346 | 20 | 153 | 86 | 301 | 70 |
| G21/2 | 65 | 80 | 185 | 372 | 22 | 153 | 86 | 315 | 70 |

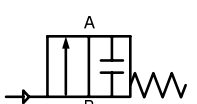
Parameter

| Connect [Inch] | Inner Bored [mm] | The KV value [m ³ /h] | Biggest work pressure[bar] | | Request the minimum control pressure [bar] | Carry out the organization size (Ø mm) | | Fly to | Control the Function |
|----------------|------------------|----------------------------------|----------------------------|---------|--|--|---------|--------------------|---|
| | | | Method | Welding | | Method | Welding | | |
| G3/8 | 10.0 | 3.7 | 15.0 | -- | 4.0 | 40 | | The valve is above |  |
| G1/2 | 15.0 | 4.2 | 16.0 | 16. | 3.9 | 50 | 50 | The valve is above | |
| G3/4 | 20.0 | 8.0 | 11.0 | 11.0 | 3.9 | 50 | 50 | The valve is above | |
| G1 | 25.0 | 19.0 | 11.0 | 11.0 | 4.2 | 63 | 63 | The valve is above | |
| G11/4 | 32.0 | 27.0 | 15.0 | 15.0 | 5.0 | 63 | 80 | The valve is above | |
| G11/2 | 40.0 | 42.0 | 12.5 | 10.0 | 4.4 | 63 | 80 | The valve is above | |
| G2 | 50.0 | 55.0 | 10.0 | 7.2 | 3.2 | 80 | 80 | The valve is above | |
| G21/2 | 65.0 | 90.0 | 5.2 | -- | 3.2 | 100 | -- | The valve is above | |

Shape size

| Connect Interface in | Inner Bored | Outline Connecting Size | | | | Maximum Working Pressure (Mp.) | Air-supply Pressure (Mp.) | Specification of Auctuator |
|----------------------|-------------|-------------------------|-----|-----|-----|--------------------------------|---------------------------|----------------------------|
| | | L | D | B | H | | | |
| G1/2 | 15 | 120 | 95 | 135 | 150 | 1.6 | 0.4~0.7 | Ø50 |
| G3/4 | 20 | 130 | 105 | 135 | 160 | | | Ø50 |
| G1 | 25 | 140 | 115 | 135 | 185 | | | Ø63 |
| G11/4 | 32 | 150 | 135 | 135 | 255 | | | Ø63 |
| G11/2 | 40 | 180 | 145 | 170 | 340 | | | Ø80 |
| G2 | 50 | 195 | 160 | 180 | 380 | | | Ø80 |
| G21/12 | 65 | 230 | 180 | 190 | 450 | | | Ø100 |
| G3 | 80 | 255 | 195 | 240 | 480 | | | Ø125 |

Parameter

| Connect C.ØD | Inner Bored (mm) | The KV value [m ³ /h] | Biggest work pressure [bar] | Request the minimum control pressure [bar] | Carry out the organization size (Ø mm) | Fly to | Control the function |
|--------------|------------------|----------------------------------|-----------------------------|--|--|--------------------|---|
| G3/8 | 13.0 | 3.7 | 0 - 16 | 4.0 | 40 | The valve is above |  |
| G1/2 | 13.0 | 4.2 | 0 - 16 | 2.7 | 50 | The valve is above | |
| G3/4 | 20.0 | 8.0 | 0 - 16 | 2.7 | 50 | The valve is above | |
| G1 | 25.0 | 19.0 | 0 - 16 | 2.0 | 63 | The valve is above | |
| G11/4 | 32.0 | 27.0 | 0 - 16 | 2.0 | 63 | The valve is above | |
| G11/2 | 40.0 | 42.0 | 0 - 16 | 2.0 | 63 | The valve is above | |
| G2 | 50.0 | 52.0 | 0 - 16 | 2.0 | 63 | The valve is above | |
| G21/2 | 65.0 | 77.0 | 0 - 14 | 1.6 | 80 | The valve is above | |