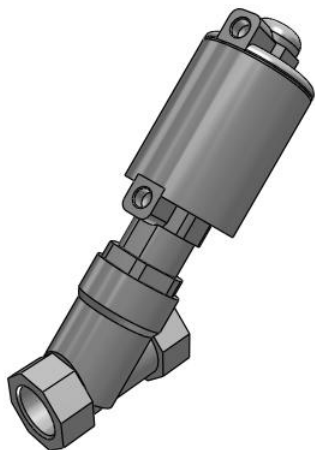


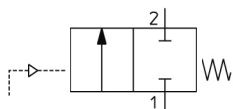


Angle Seat Valve, Air Operated Type – JSB JSB31-ST20AF-3S

Datasheet

General series information

- Applicable fluid: air, water, steam
- Flow rate up to 87.5 (Cv factor)
- Port size: 3/8" to 2"
- Body material: stainless steel 316L
- Actuator material: stainless steel 304
- Long service, up to 10 million cycles (water and air).



Directional control valve 2/2-way valve, closed normal position pneumatically controlled return with mechanical control spring

Standard specifications

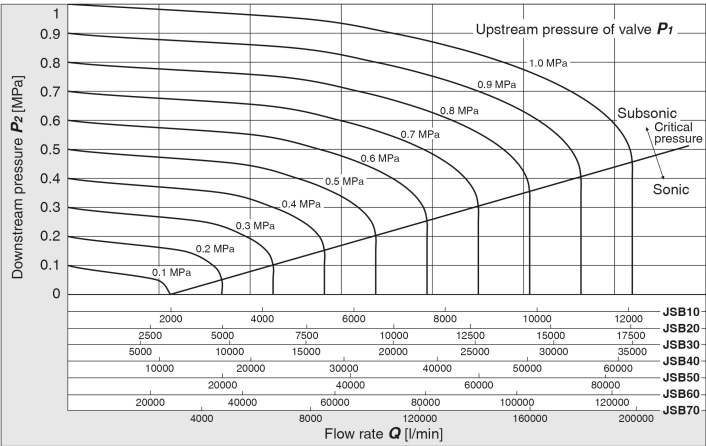
Valve Size	3 (Series: 30)
Valve Type	1 (N.C.)
Body Material	S (Stainless Steel)
Seal Material	T (Fluororesin)
Port Size	20A (3/4)
Thread Type	F (G)
Head Size	3 (ø50)
Head Material	S (Stainless Steel)
Maximum temperature of pressure medium	183 °C
Minimum temperature of pressure medium	0 °C
Maximum operating pressure	1 MPa
Maximum pilot pressure	1.0 MPa
Minimum pilot pressure	0.5 MPa
Proof pressure	2.4 MPa
Maximum ambient temperature	60 °C
Minimum ambient temperature	0 °C
Conform to the European RoHS Directive	Conform

Pneumatic input connection	G 1/8
Valve Leakage	Steam, Air: 10 cm³/min ; Water: 1 cm³/min
Weight	1.350 Kg

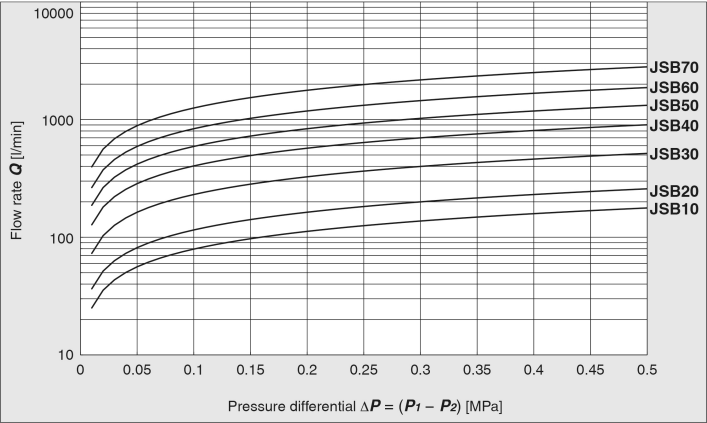
Technical information graphs

Flow Rate Characteristics

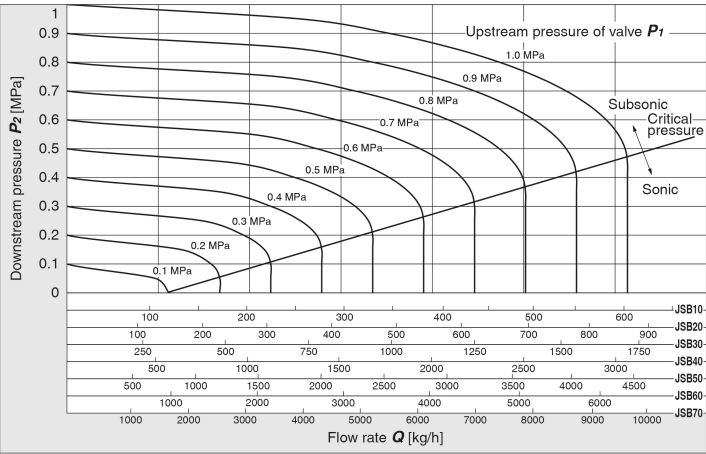
For Air



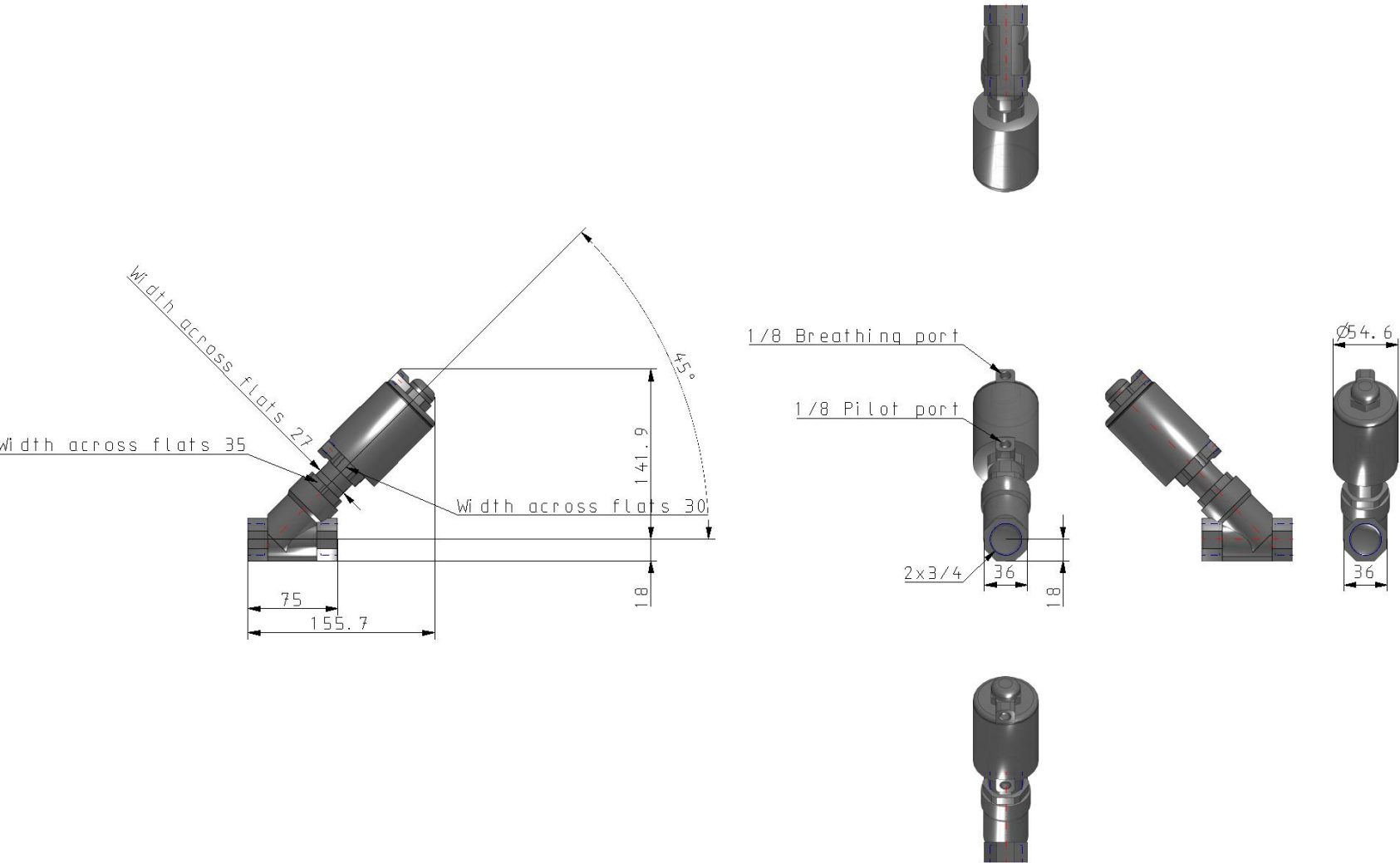
For Water



For Saturated Steam



Specifications are subject to change without prior notice and any obligation on the part of the manufacturer.

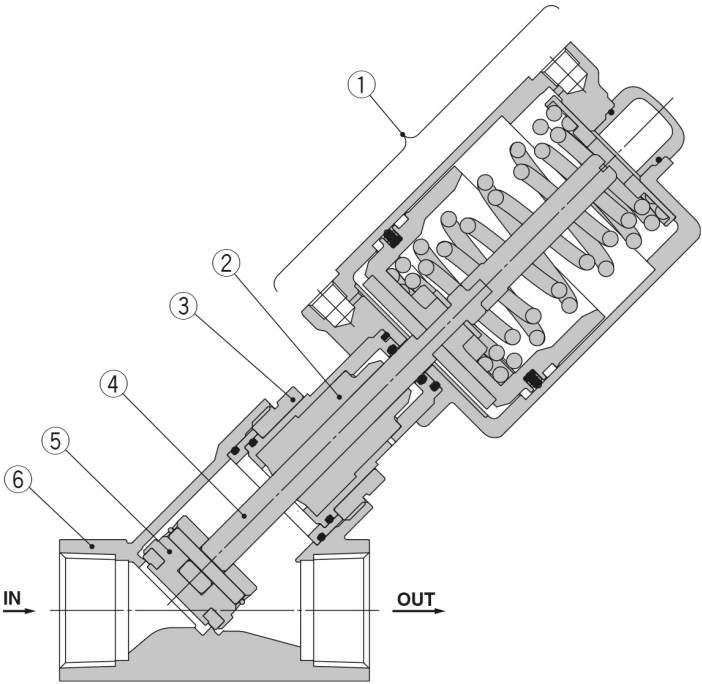


Constructions

Component Parts

No.	Description	Material
1	Pilot head assembly	Stainless steel 304 equivalent, Iron, Resin, FKM
2	Shaft seal holder assembly	Stainless steel 316L, Fluororesin, PEEK, FKM, Resin
3	Body nut	Stainless steel 304 equivalent
4	Rod	Stainless steel 316L
5	Valve element assembly	Stainless steel 316L, Fluororesin
6	Body	Stainless steel 316L equivalent

* Materials of parts in contact with fluid: Stainless steel 316L equivalent, Fluororesin, PEEK, FKM



Additional information

Catalogue

[JSB-A_EU.pdf](#)