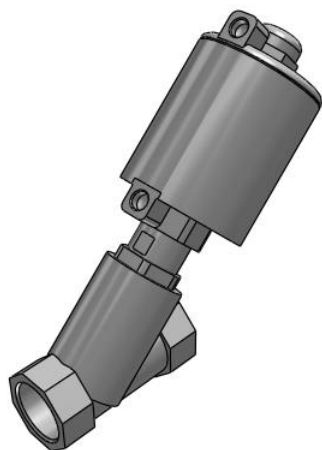




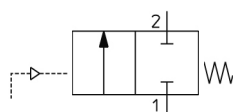
Angle Seat Valve, Thread Type – JSB

JSB51-ST32AF-5S

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

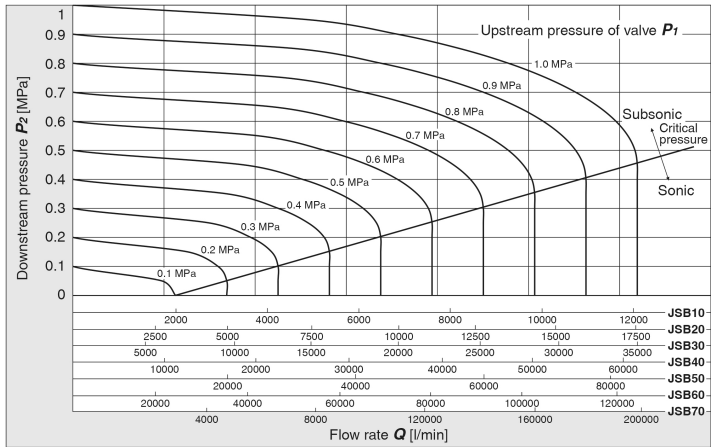
Valve Size	5 (Series: 50)
Valve Type	1 (N.C./Standard Pressure Type)
Body Material	S (Stainless Steel)
Seal Material	T (Fluororesin)
Port Size	32A (1 1/4)
Thread Type	F (G)
Head Size	5 (ø80)
Head Material	S (Stainless Steel)
Maximum temperature of pressure medium	183 °C
Minimum temperature of pressure 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 1/4
Technical graph 1	1030D_graph1.1_en.jpg;1030D_graph1.2_en.jpg;1030D_graph1.3_en.jpg
Graph1 title	Flow Rate Characteristics
Valve Leakage	Steam, Air: 10 cm³/min ; Water: 1 cm³/min
Weight	3.700 Kg

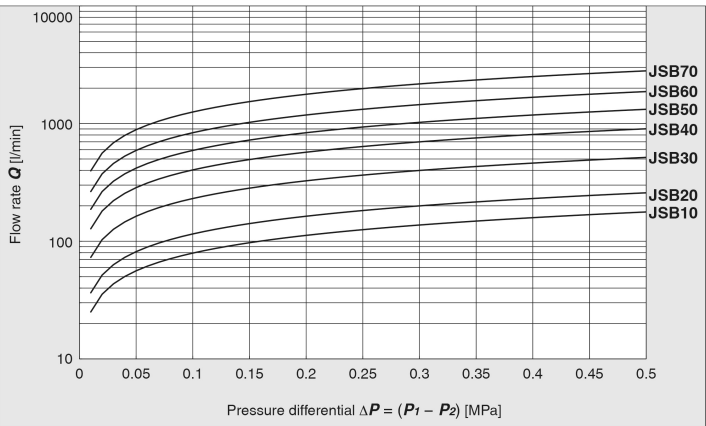
Technical information graphs

Flow Rate Characteristics

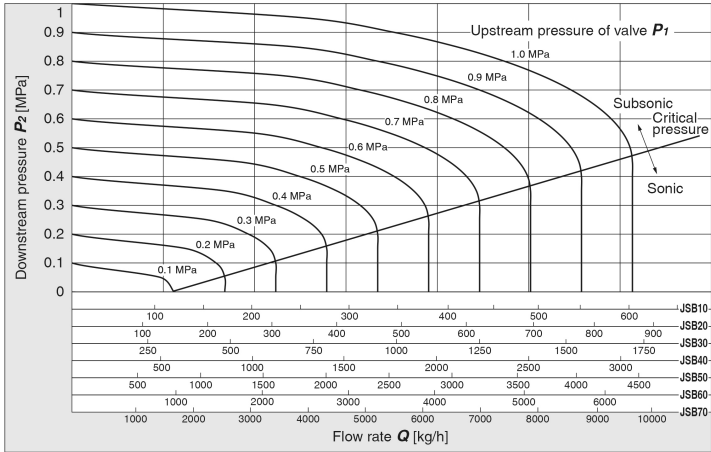
For Air

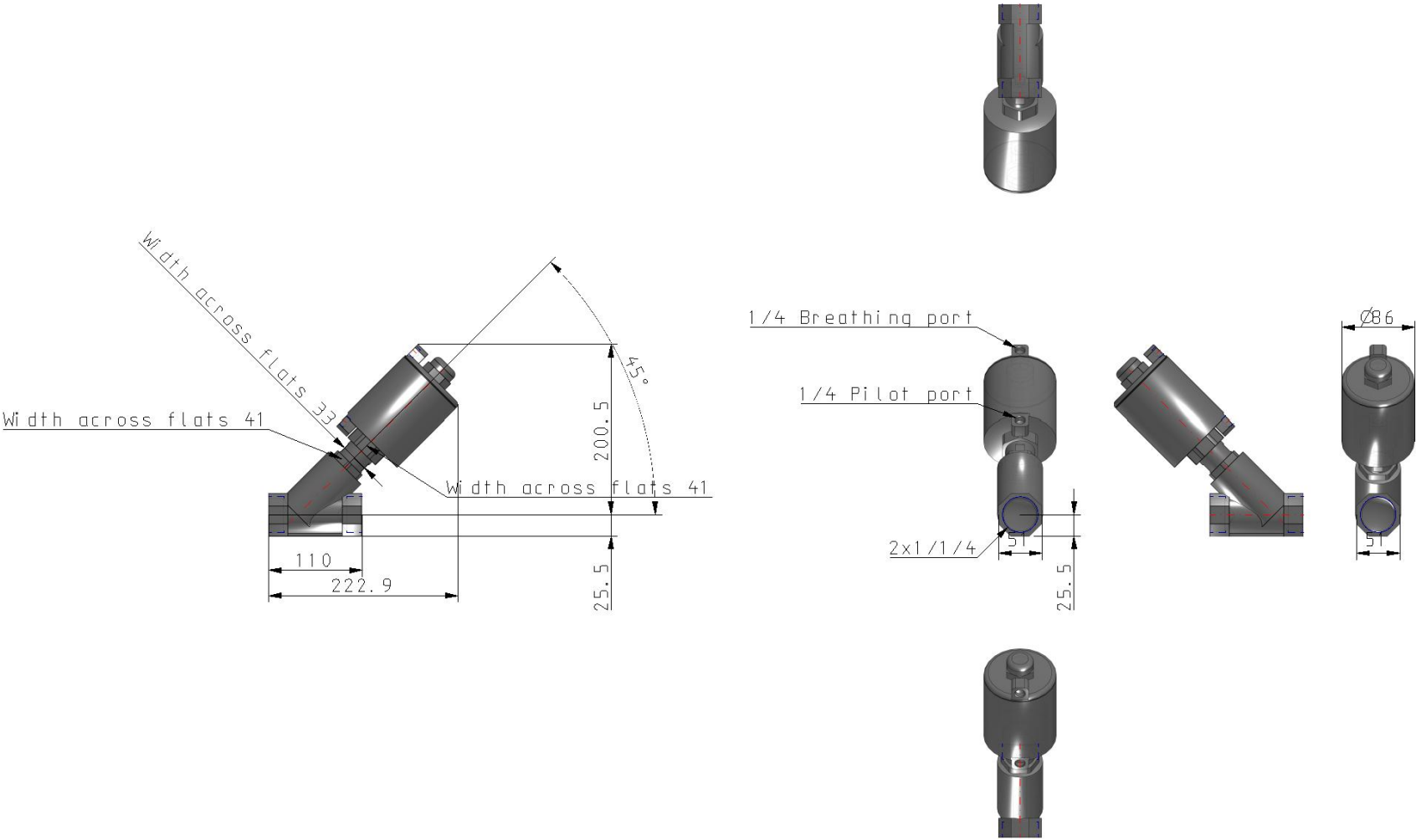


For Water



For Saturated Steam



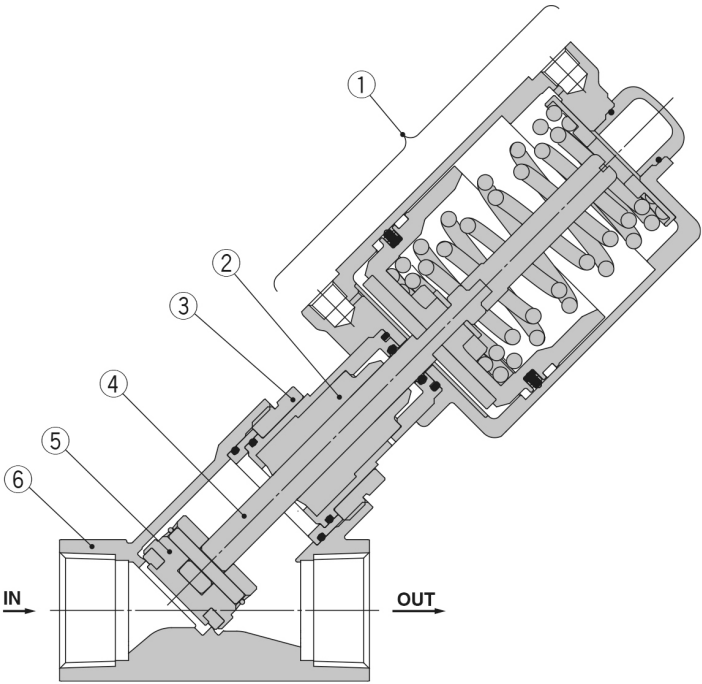


Constructions

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-Ba_EU.pdf](#)

Operation manuals

[OM_JSB_DOC1090993EN.pdf](#)

[OM_JSB_DOC1076543EN.pdf](#)