

VNB (Solenoid), Process Valve for Flow Control

EVNB311B-F20A-5D-Q

Datasheet

General series information

- Process valve series VNB
- External pilot solenoid
- Orifice size: 7mm to 50mm
- Port size: 1/8 to 2 Rc(PT)
- Seal material: NBR, FKM, EPR

Standard specifications

Area Code	E (Europe)
Size	3 [ø20 (N.C. 0.5 MPa/N.O. 1 MPa), ø14 (N.C. 1 MPa)]
Valve Type	1 [N.C. (Operating Pressure 0.5 MPa)]
Sealant	B (FKM Seal)
Body Material	Standard (Bronze Body)
Pilot System Option	Standard
Thread	F (G(PF))
Port Size	20A (3/4)
Voltage	5 (24 VDC)
Lead Wire	D (DIN Terminal)
Manual Override	Non-locking Push Type
Bracket	None
CE-Compliant	Q (CE-Marked)
Maximum temperature of pressure medium	60 ºC
Minimum temperature of pressure medium	-5 ºC
Proof pressure	1.5 MPa
Maximum ambient temperature	50 ºC
Minimum ambient temperature	-5 ºC

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

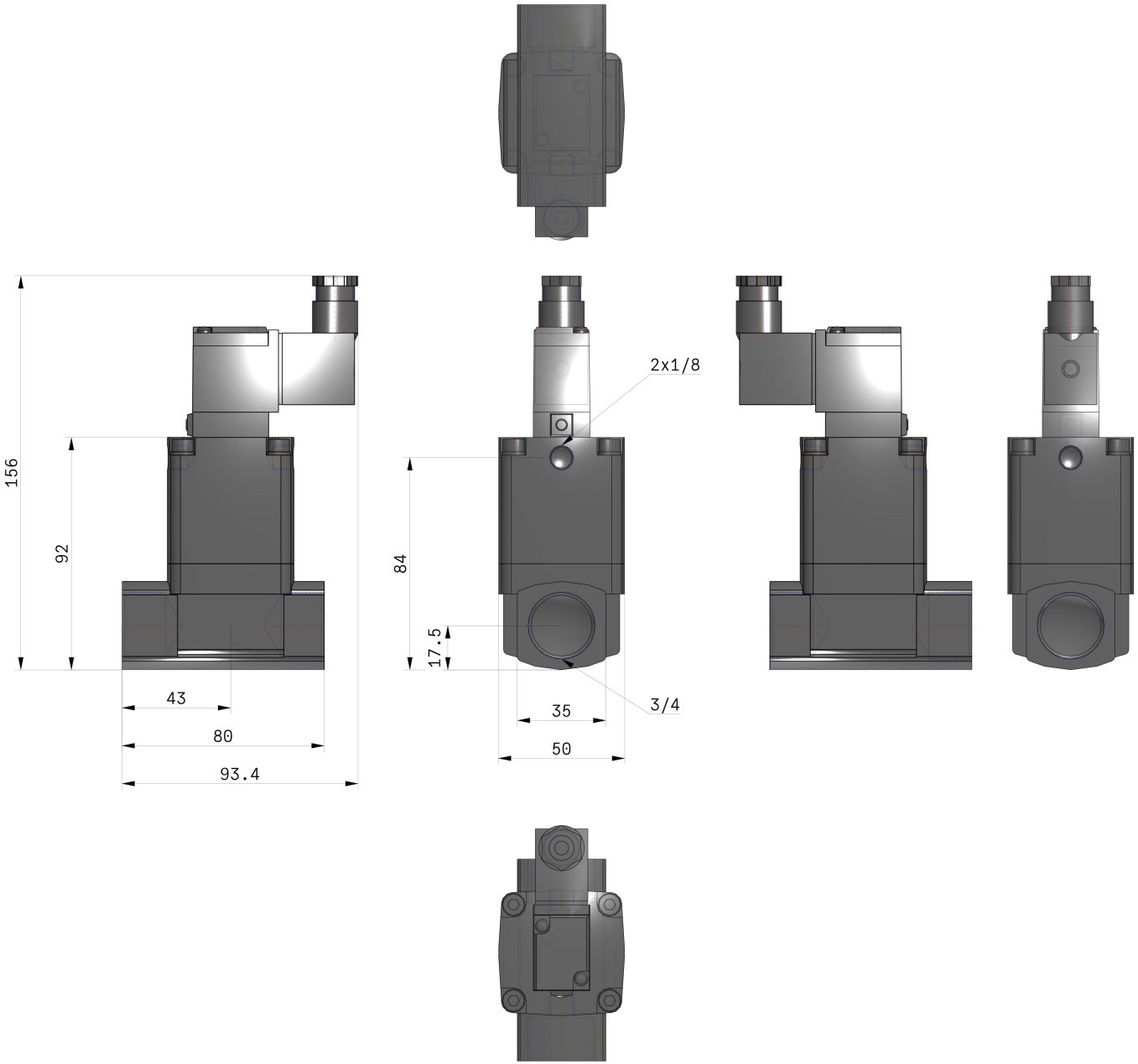
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Pressure range	Low vacuum to 0.5 MPa
External pilot air: Press.	0.25 - 0.7 MPa
External pilot air: Temperature	-5 ºC - 50 ºC

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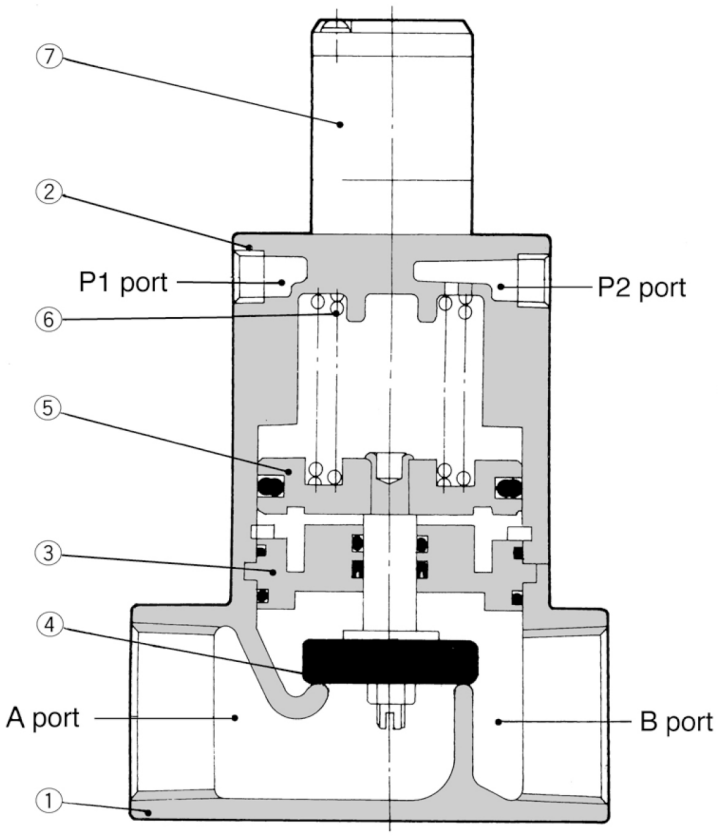
Dimensions

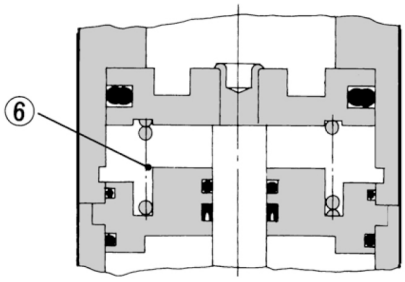


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Constructions





Component Parts

No.	Description	Material	Note
①	Body	Bronze*	Clear coated
②	Cover assembly	Aluminium alloy	Platinum silver painted
③	Plate assembly	Brass*	Valve material (NBR, FKM, EPR)
④	Valve element	(NBR, FKM, EPR)	Stainless steel or brass
⑤	Piston assembly	Aluminium alloy	—
⑥	Return spring	Piano wire	—
⑦	Pilot solenoid valve	—	—

Note) Parts ③ and ④ are for selection of valve composition.
* The body option "S" is stainless steel, and "L" is aluminum.

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Additional information

Catalogue	VN_EU.pdf
Declaration of conformity	newDoC_VN_TF1Z328EN.pdf DoC_VNx_TFM0001-B.pdf
Installation manuals	IM_VNB_TF2Z301EN-D.pdf
Operation manuals	OM_VNB_OMA0005EN-E.pdf

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