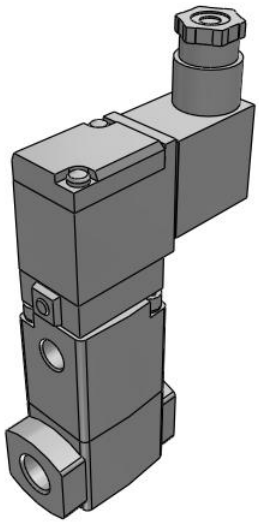

VNB (Solenoid), Process Valve for Flow Control

EVNB114A-F8A-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

Bracket	None
Sealant	A (NBR Seal)
Area Code	E (Europe)
Size	1 [ø7]
Port Size	8A (1/4)
Manual Override	Non-locking Push Style
Thread	F (G(PF))
Pilot System Option	Standard
Body Material	Standard (Bronze Body)
Valve Type	4 [NC (Operating Pressure 1MPa)]
Voltage	5 (24VDC)
CE Marked	Q (CE Marked)
Lead Wire	D (DIN Terminal)
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 1 MPa
External pilot air: Press.	0.25 - 0.7 MPa
External pilot air: Temperature	-5 ºC - 50 ºC
Weight	0.400 Kg

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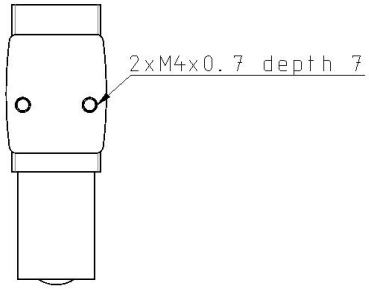
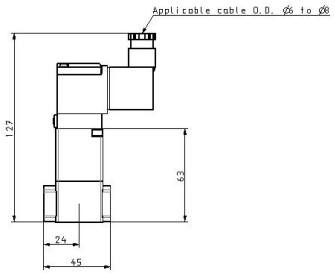
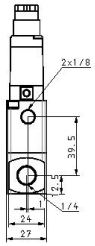
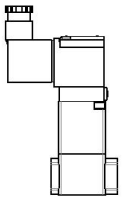
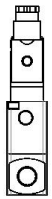
Dimensions

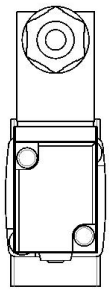












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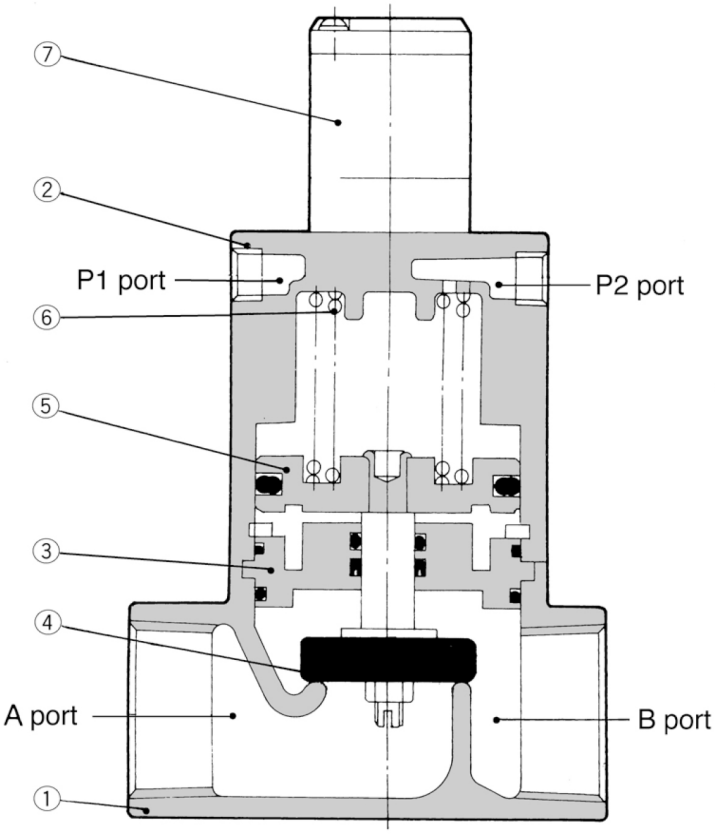
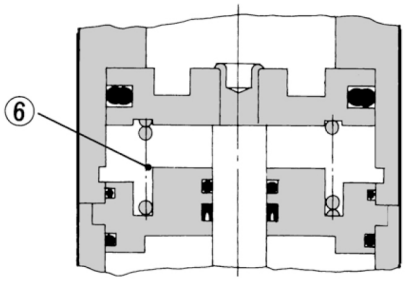
Constructions





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-C.pdf
Operation manuals	OM_VNB_OMA0005EN-E.pdf

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