

VNB (Solenoid), Process Valve for Flow Control

VNB214A-F15A-5DZ-Q

Datasheet

General series information

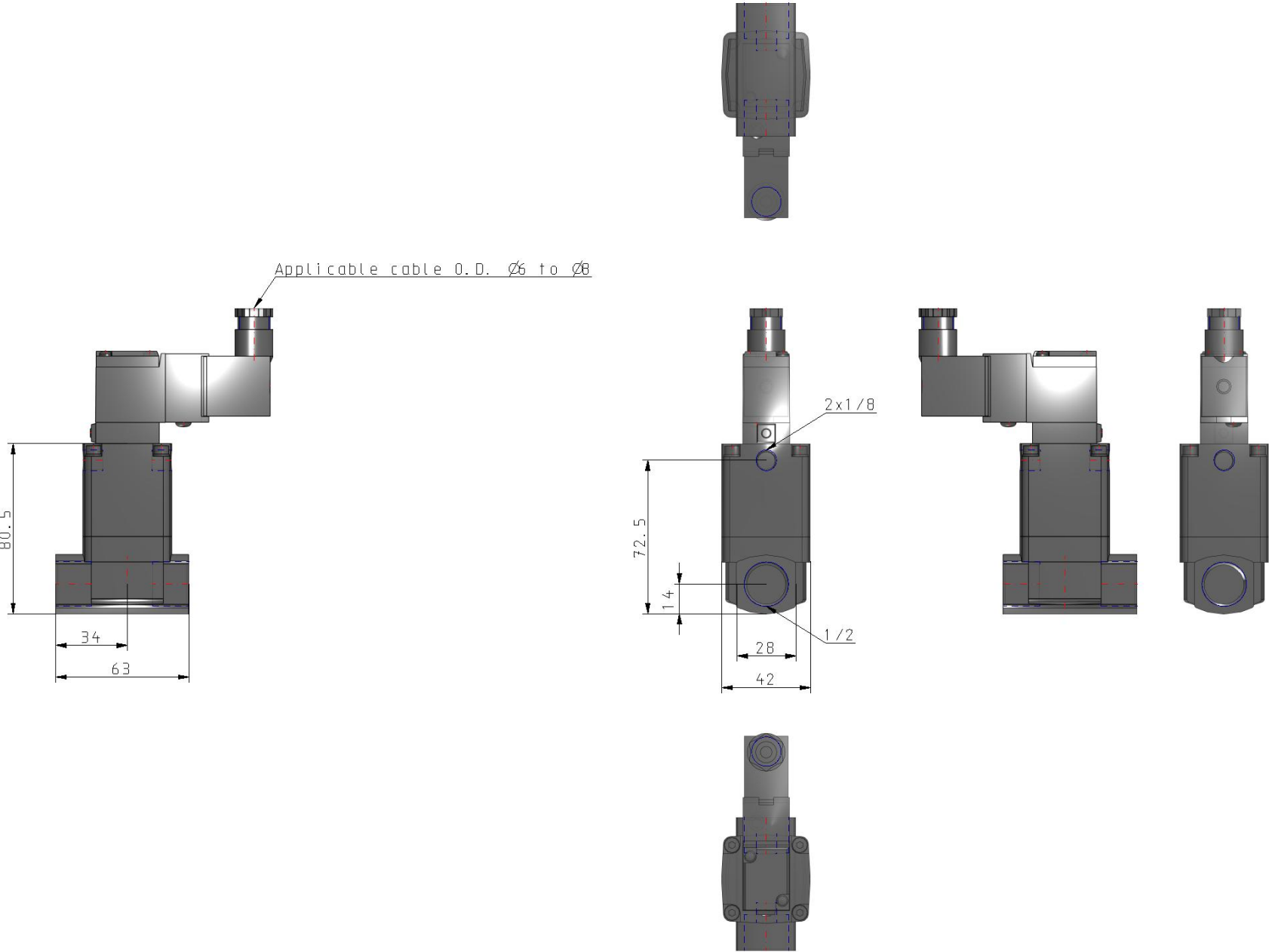
- Process valve series VNB
- External pilot solenoid
- Orifice size: 7mm to 50mm
- Port size: 1/8 to 2 Rc(PT)
- Seal material: NBR, FKM, EPR

Standard specifications

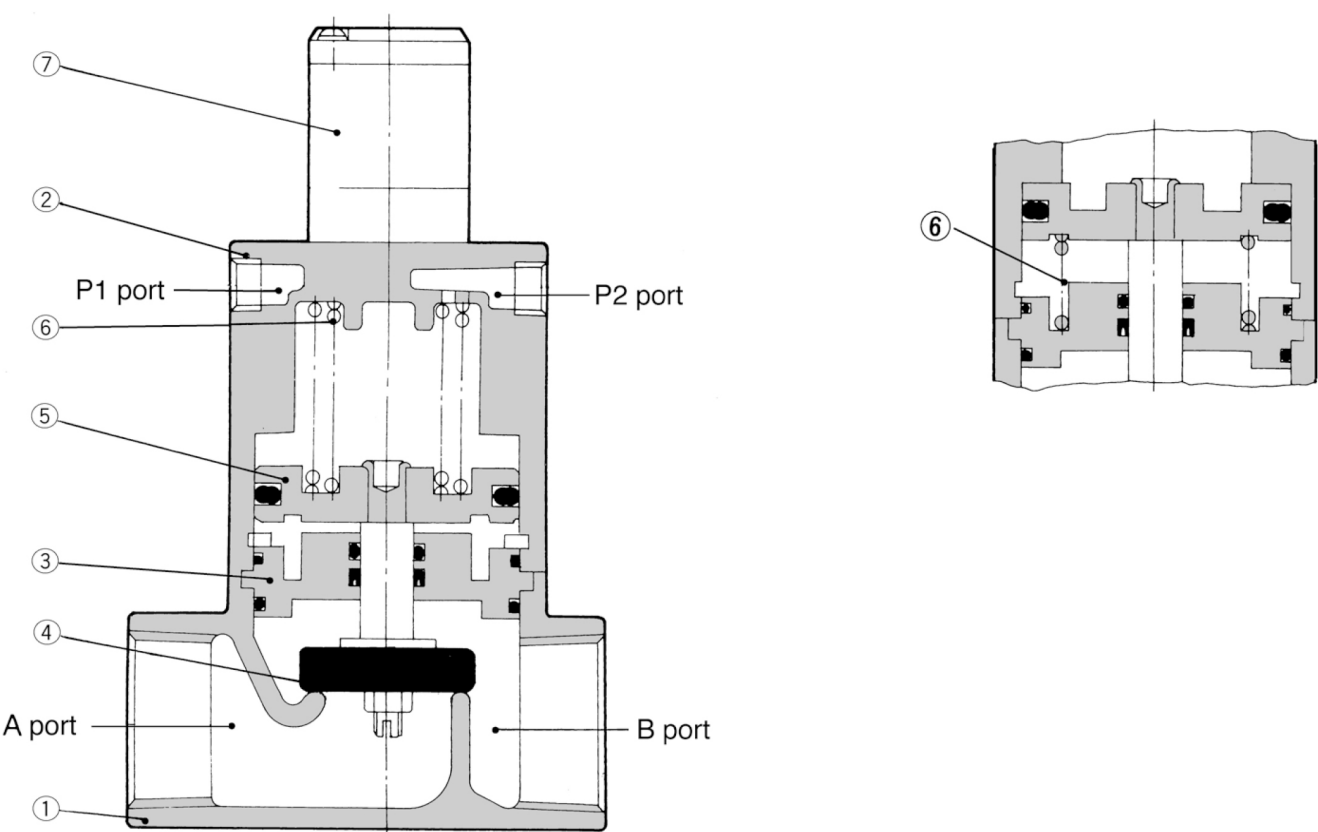
Area Code	Japan, Asia, Australia
Size	2 [ø15 (N.C. 0.5 MPa/N.O. 1 MPa), ø11 (N.C. 1 MPa)]
Valve Type	4 [NC (Operating Pressure 1MPa)]
Sealant	A (NBR Seal)
Body Material	Standard (Bronze Body)
Pilot System Option	Standard
Thread	F (G(PF))
Port Size	15A (1/2)
Voltage	5 (24VDC)
Lead Wire	DZ (DIN Terminal w/Light & Surge Voltage Suppressor)
Manual Override	Non-locking Push Style
Bracket	None
CE Marked	Q (CE Marked)
Maximum temperature of pressure medium	60 °C
Minimum temperature of pressure medium	-5 °C
Proof pressure	1.5 MPa
Maximum ambient temperature	50 °C
Minimum ambient temperature	-5 °C

Pressure range	Low vacuum to 1 MPa
External pilot air: Press.	0.25 - 0.7 MPa
External pilot air: Temperature	-5 °C - 50 °C
Weight	0.700 Kg

Dimensions



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.

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

Additional information

Catalogue	VN_EU.pdf
Declaration of conformity	DoC_VNx_TFM0001-B.pdf newDoC_VN_TF1V174EN.pdf
Installation manuals	IM_VNB_TF2Z301EN-C.pdf
Operation manuals	OM_VNB_OMA0005EN-E.pdf