

Coolant Valve: Air Operated/External Pilot Solenoid VNC Series



[Option]
Note) CE-compliant: For D or DZ only

How to Order

Seal material

A	NBR seals
B	FKM seals

Thread type

Nil	Rc
F	G
N	NPT
T	NPTF

Bracket (Valve size: 1/2/3/4)

Nil	None
B (Note)	With bracket (VNC□-16)

Note) Only valve sizes 1, 2, 3 and 4. Shipped after assembled at our factory.
Bracket part no.
Valve size 1: VN1-A16 (with thread)
Valve sizes 2 to 4: VNC□-16
↳ 2 to 4

Air operated VNC 2 0 1 A - [] 15A - [] (Except valve size 8, 9)

External pilot solenoid VNC 2 1 1 A - [] 15A - 1 T [] - [] - []

Valve size **Valve type** **Port size**

Symbol	Orifice diameter (mm)	Symbol			Symbol	Port size Rc
		1 N.C. 0.5 MPa	2 N.O. 1 MPa	4 N.C. 1 MPa		
1	ø7	—	●	●	6A	1/8
		—	●	●	8A	1/4
		—	●	●	10A	3/8
2	ø15 (ø11)	●	●	●	10A	3/8
		●	●	●	15A	1/2
		●	●	●	20A	3/4
3	ø20 (ø14)	●	●	●	25A	1
		●	●	●	32A	1 1/4
5	ø32 (ø22)	●	●	●	32F	1 1/4 B Flange
		●	●	●	40A	1 1/2
6	ø40 (ø28)	●	●	●	40F	1 1/2 B Flange
		●	●	●	50A	2
7	ø50 (ø33)	●	●	●	50F	2B Flange
		●	—	●	65F	2 1/2 B Flange
9	ø80 (ø56)	●	—	●	80F	3B Flange

Values in parentheses are N.C. at 1 MPa.

Rated voltage

Nil	Air operated
1	100 VAC 50/60 Hz
2	200 VAC 50/60 Hz
3*	110 VAC 50/60 Hz
4*	220 VAC 50/60 Hz
5	24 VDC
6*	12 VDC
7*	240 VAC 50/60 Hz

* Semi-standard
For other rated voltages, please consult with SMC.

CE-compliant

Nil	—
Q	CE-compliant

Note) Electrical entry: D or DZ only

Manual override

Nil: Non-locking push type

A: Non-locking push type A* (projecting)

B: Slotted locking type B* (tool required)

Nil: Non-locking push type

* Semi-standard

Electrical entry/With light/surge voltage suppressor

Symbol	Electrical entry	Valve size 1	Valve size 2 to 9
G	Grommet	●	●
GS	Grommet with surge voltage suppressor	●	●
E	Grommet terminal	●	●
EZ	Grommet terminal with light/surge voltage suppressor	●	●
T	Conduit terminal	●	●
TZ	Conduit terminal with light/surge voltage suppressor	●	●
D	DIN terminal	●	●
DZ	DIN terminal with light/surge voltage suppressor	●	●

CE-compliant

Symbol	Electrical entry	Valve size 1	Valve size 2 to 9
D	DIN terminal	●	●
DZ	DIN terminal with light/surge voltage suppressor	●	●

Note) The length of the grommet (G, GS) lead wire is 300 mm.