

Process Valve: 2 Port Valve For Compressed Air and Air-hydro Circuit Control

Series VNA



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

How to Order

Seal material

A	NBR seals
B	FKM seals
C	EPR seals

Refer to "Table (1)" for availability.

Thread type

Nil	Rc
F	G
N	NPT
T	NPTF

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

Nil	None
B (Note)	With bracket

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: VN□-16
2 to 4

Air operated VNA 2 0 1 A - 15A -

External pilot solenoid VNA 2 1 1 A - 15A - 1 T -

Valve size

Symbol	Orifice dia. (mm)	Symbol			Symbol	Port size Rc
		1	2	3 (Note)		
		N.C.	N.O.	C.O.		
1	ø10	●	●	●	6A	1/8
		●	●	●	8A	1/4
		●	●	●	10A	3/8
2	ø15	●	●	●	10A	3/8
		●	●	●	15A	1/2
3	ø20	●	●	●	20A	3/4
4	ø25	●	●	●	25A	1
5	ø32	●	●	●	32A	1 1/4
6	ø40	●	●	●	40A	1 1/2
7	ø50	●	●	●	50A	2

Note) Air operated only

Rated voltage

1	100 VAC 50/60 Hz
2	200 VAC 50/60 Hz
Note 2) 3	110 VAC 50/60 Hz
Note 2) 4	220 VAC 50/60 Hz
5	24 VDC
Note 2) 6	12 VDC
Note 2) 7	240 VAC 50/60 Hz
Note 2) 9	Other

Note 1) CE compliant: For D or DZ only
Note 2) Semi-standard

CE compliant

Nil	—
Q	CE compliant

Note) CE compliant: For D or DZ only

Manual override

Nil: Non-locking push type

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

B: Slotted locking type B (Note) (tool required)

Nil: Non-locking push type

Note) Option

Table (1) Applicable Fluids

Model	VNA□□□A (Valve material: NBR seal)	VNA□□□B (Valve material: FKM seal)	VNA□□□C (Valve material: EPR seal)
Fluid	Air (Standard, Dry) Carbon dioxide (CO ₂) (Less than 0.7 MPa) Nitrogen gas (N ₂) Turbine oil, (Kinematic viscosity 40 to 100 mm ² /s) Hydraulic fluid	Argon Helium Turbine oil, (Kinematic viscosity 40 to 100 mm ² /s) Hydraulic fluid	Carbon dioxide (CO ₂) (0.7 MPa or more)

Caution

This product cannot be used for water application.



Note 1) Except rated voltage 6, 7, 9.

Note 2) For valve sizes 5 to 7 of the DZ DIN terminal with light/surge voltage suppressor, be sure to add suffix -X200 at the end of the part number. (For CE compliant product, -X200 is not required.)
In this case, the pilot solenoid valve is VO307-□DZ.

Electrical entry/With light/surge voltage suppressor

Symbol	Electrical entry	Valve size
G	Grommet	Valve size 1 to 4
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	Note 2) Valve size 5 to 7
D	DIN terminal	
DZ	DIN terminal with light/surge voltage suppressor	
G	Grommet	
GS	Grommet with surge voltage suppressor	
C	Conduit	Note 2) Valve size 5 to 7
T	Conduit terminal	
TS	Conduit terminal with surge voltage suppressor	
TZ (Note 1)	Conduit terminal with light/surge voltage suppressor	
TL (Note 1)	Conduit terminal with indicator light	
D	DIN terminal	Note 2) Valve size 5 to 7
DL	DIN terminal with indicator light	

CE compliant

Symbol	Electrical entry	Valve size
D	DIN terminal	Valve size 1 to 7
DZ	DIN terminal with light/surge voltage suppressor	