

ATEX Compliant

ATEX Compliant 2 Port Steam Valve Series 56-VND

CE II 3G TX
-5 °C ≤ Ta ≤ 60 °C

How to Order

Air operated **ATEX category 3**

56-VND 2 0 D S - 15A -

Body option

-	Standard (Copper alloy)
S*	Stainless steel body

* Threaded type only

Thread type

-	Rc
F	G
N	NPT
T	NPTF

Valve size

Symbol	Orifice dia. (mm)	Symbol			Symbol	Port size Rc
		0	2	4		
1	Ø 7	—	●	●	6A	1/8
		—	●	●	8A	1/4
		—	●	●	10A	3/8
2	Ø 15	●	●	—	10A	3/8
		●	●	—	15A	1/2
3	Ø 20	●	●	—	20A	3/4
4	Ø 25	●	●	—	25A	1
5	Ø 32	●	●	—	32A	1 1/4
		●	●	—	32F	1 1/4 B Flange
6	Ø 40	●	●	—	40A	1 1/2
		●	●	—	40F	1 1/2 B Flange
7	Ø 50	●	●	—	50A	2
		●	●	—	50F	2B Flange

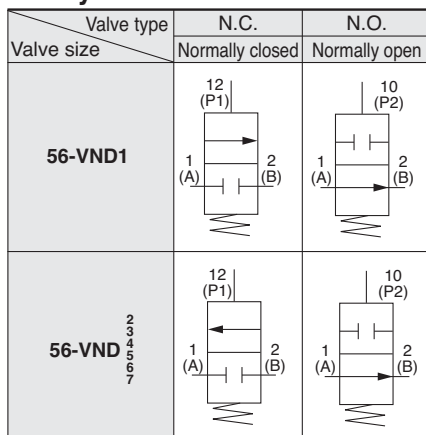
Option

-	None
B*	With bracket
L	With indicator light (visual verification of operation)
BL*	With bracket and indicator light (visual verification of operation)

* Brackets (for valve size 1/2/3/4 only) will be assembled at the time of shipment. Bracket part no. Valve size 1: VN1-A16 (with thread) Valve size 2 to 4: VN□-16

Note) All other specifications (dimensions, drawings, etc.) are the same as the non ATEX type.

JIS Symbol

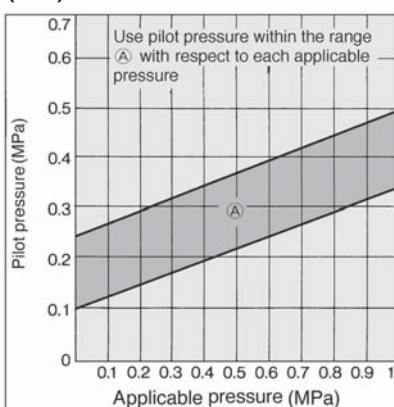


Model

Model	Port size		Orifice dia. Ø (mm)	Flow characteristics Av x 10 ⁻⁶ m ²	Mass (kg)
	Rc	Flange (Note)			
56-VND10□D-6A	1/8	—	7	26	0.3
56-VND10□D-8A	1/4	—		28	
56-VND10□D-10A	3/8	—		31	
56-VND20□D-10A	—	—	15	120	0.6
56-VND20□D-15A	1/2	—		130	
56-VND30□D-20A	3/4	—	20	240	0.9
56-VND40□D-25A	1	—		380	
56-VND50□D-32A	1 1/4	—	32	440	2.3
56-VND50□D-32F	—	32		5.5	
56-VND60□D-40A	1 1/2	—	40	920	3.6
56-VND60□D-40F	—	40		7.2	
56-VND70□D-50A	2	—	50	1500	5.7
56-VND70□D-50F	—	50		10.8	

Note) The companion flange is JIS B 2210 10K (standard) or its equivalent.

Graph ① Operating pressure - Pilot pressure (N.O.)



Valve Specifications

Fluid (Main piping)		Steam	
Fluid temperature		-5 to 180 °C (Note 1)	
Ambient temperature		-5 to 60 °C (Note 1)	
Proof pressure		1.5 MPa	
Operating pressure range		0 to 0.97 MPa	
External pilot air	Pressure	N.C.	0.3 to 0.7 MPa
		N.O.	0.1 + 0.25 x (Operating pressure) to 0.25 + 0.25 x (Operating pressure) MPa Refer to below "Graph (1)".
	Lubrication	Not required	
	Temperature	-5 °C to 60 °C	
ATEX Category		CE II 3G TX -5 °C ≤ Ta ≤ 60 °C	
Seal material		PTFE	

Note 1) No freezing