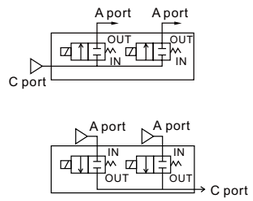
GAB Series Direct Acting Solenoid Valve









Ordering Code

GAB Series Direct Acting 2 Way Solenoid Valve

GAB412 □ 1 - 5 - D - AC100V

Type code
412: Common supply (port C pressurization)
452: Individual supply (port A pressurization)

Thread
Nil: Rc
G: G
N: NPT

Orifice size
1: 1.5mm
2: 2mm
3: 3mm
4: 3.5mm
5: 4mm
6: 5mm
7: 7mm

Manifold station No.
2 to 10: 2 stations to 10 stations
0: Actuator only

Seal type
D: NBR
E: FKM
F: PTFE

Standard voltage
12 VDC, 24 VDC
48 VDC, 100 VDC
110 VAC, 200 VAC

* Orders for only the masking plate and sub-plate are also available. Contact VPC for details.
* For 11 or more manifold station No., contact VPC.

Specifications

Type	Standard Specifications	Optional Specifications	
Working medium	Air/Low vacuum/Water/Kerosene/Oil	Hot water	Steam
Control type	Normal close		
Working pressure differential	0 to 5MPa		
Max. Working pressure	5MPa		1MPa
Proof pressure	10MPa		
Fluid temperature (No freezing)	-10 to 60℃	-10 to 90℃	-10 to 184℃
Working temperature	-20 to 60℃	-20 to 100℃	
Thermal class	Class 130 (B)	Class 180 (H)	
Atmosphere	Place free of corrosive gas and explosive gas		
Valve structure	Direct acting poppet structure		
Valve seat leakage	0.2cm³/min(ANR) or less (air)		300cm³/min(ANR) or less (air)
Mounting	Unrestricted		
Body/Seal material	Stainless steel/Nitrile rubber	Stainless steel/EPM rubber	Stainless steel/PTFE

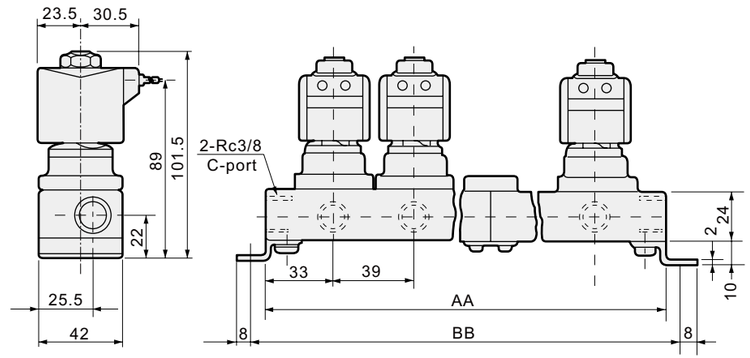
* Refer to Max. Working pressure differential in individual specifications.

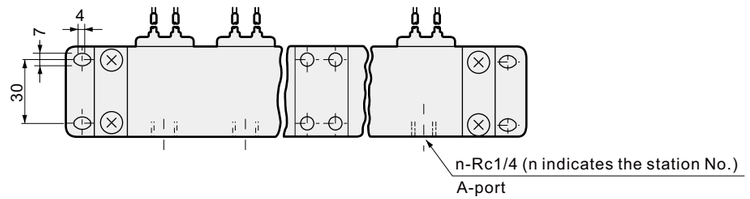
ISO9001 CE

GAB Series Direct Acting Solenoid Valve

Main Dimensions

● Manifold (grommet lead wire type)
GAB412/452-1 to 7- 2 to 10 -* Blank

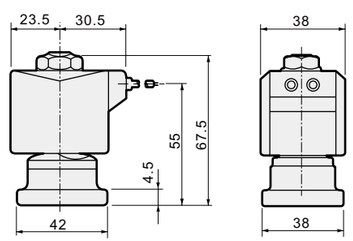




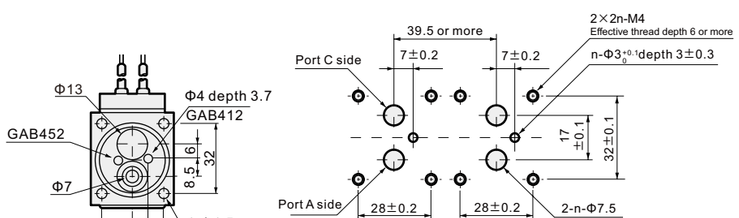
Station No.	AA	BB	Manifold configuration	Station No.	AA	BB	Manifold configuration
2	106	122	2 stations×1	7	329	345	5 stations+2 stations
3	145	161	3 stations×1	8	368	384	5 stations+3 stations
4	212	228	2 stations×2	9	435	451	3 stations×3
5	223	239	5 stations×1	10	446	462	5 stations×2
6	290	306	3 stations×2	Contact VPC for 11 stations or more.			

* A manifold is configured by combining 2-, 3- and 5-station modules.
* The dimensions are the same for the G or NPT thread port size.

● Actuator (grommet lead wire type)
GAB412/452-1 to 7- 0 -* Black



● Recommended dimensions for actuator mounting



* Machining drawing when using 2 actuators