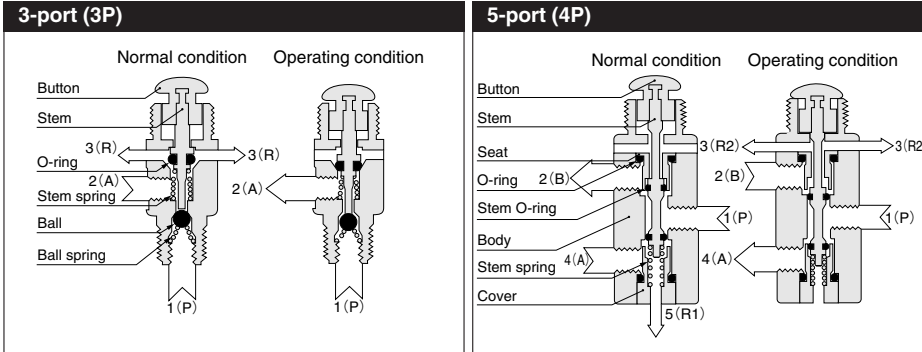
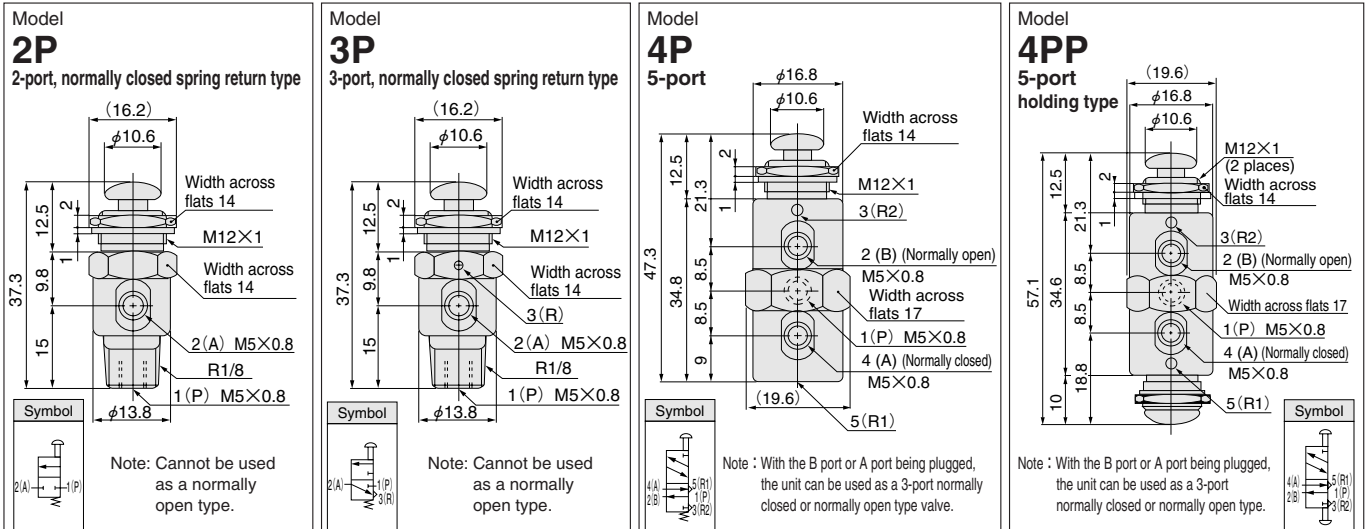


Basic Valves (Push Button Type Valves)

Operating principles



Dimensions (mm)



Major parts and materials

BodyBrass (nickel plated)
 StemStainless steel
 O-ringSynthetic rubber

Minimum operating force of push button

Type	Air pressure MPa		
	0.2 [29psi.]	0.4 [58psi.]	0.7 [102psi.]
2P	29.4 [6.61] (19.6 [4.41])	44.1 [9.91] (21.6 [4.86])	63.7 [14.32] (23.5 [5.28])
3P	19.6 [4.41]	24.5 [5.51]	29.4 [6.61]
4P	19.6 [4.41]	21.6 [4.86]	23.5 [5.28]
4PP	4.9 [1.10]	5.9 [1.33]	6.9 [1.55]

Notes: 1. Figures in parentheses () are for when the 2(A) port is open to the atmosphere.
 2. For the operating force while used in combination with operators, see the pages of each operator.

Specifications

Item	Model	2P	3P	4P	4PP
Operation type		Push button spring return			Double push button holding type
Number of ports		2 (Normally closed)	3 (Normally closed)	5	
Port size		M5×0.8			
Media		Air			
Operating pressure range	MPa [kgf/cm ²] [psi.]	0~0.9 [0~9.2] [0~131]			
Proof pressure	MPa [kgf/cm ²] [psi.]	1.35 [13.8] [196]			
Operating temperature range (atmosphere and media)	°C [°F]	0~60 [32~140]			
Effective area	mm ²	1.8		2.5	
Flow coefficient	Cv	0.08		0.12	
Mounting direction		Any			
Maximum operating frequency	Hz	5			
Valve stroke	mm [in.]	2.4 [0.094] (Pre-stroke 0.8 [0.031] Main stroke 0.8 [0.031] Over stroke 0.8 [0.031])			
Lubrication		Required (Turbine Oil Class 1 [ISO VG32] or equivalent)			
Mass	g [oz.]	35 [1.23]	30 [1.06]	66 [2.33]	71 [2.50]
Standard accessories	Lock nut (110-21A) Lock washer (100-35)	1 pc. each			2 pcs. each