

MANUAL VALVES

Lever-operated Type 2-, 3-port

Symbols

2-port NC/NO (both normally closed and normally open use)	3-port NC/NO (both normally closed and normally open use)
125V-2 250V-2 2503V-2	125V 250V 2503V

Specifications

Item	Basic model	125V	250V	2503V
Port size		Rc1/8	Rc1/4	Rc3/8
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]			5~60 [41~140]	
Effective area mm ²		5.5		15
Flow coefficient Cv		0.27		0.76
Valve stroke mm [in.]		0.8 [0.031]		1.6 [0.063]
Lubrication		Not required		
Mass kg [lb.]		0.11 [0.24]	0.24 [0.53]	0.29 [0.64]
Options		2-port2 With lock nuts for panel mounting22	2-port2	
Order codes				

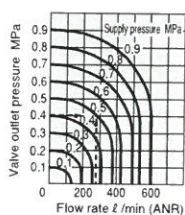
Order Codes

Basic model	Option
Basic model	Code
125V	Blank
250V	2
2503V	Rc3/8
	22
	With lock nuts for panel mounting (125V only)

Examples:
125V-2-22
250V
2503V-2

Flow Rate

125 series

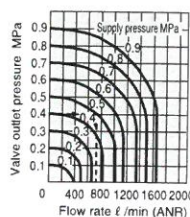


1MPa = 145psi.
1 l/min = 0.0353ft³/min.

How to read the graph

When the supply pressure is 0.5MPa [73psi.] and the flow rate is 275 l/min [9.71ft³/min.] (ANR), the valve outlet pressure becomes 0.4MPa [58psi.].

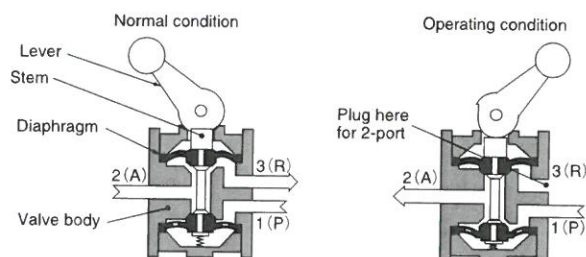
250 series 2503 series



How to read the graph

When the supply pressure is 0.5MPa [73psi.] and the flow rate is 740 l/min [26.1ft³/min.] (ANR), the valve outlet pressure becomes 0.4MPa [58psi.].

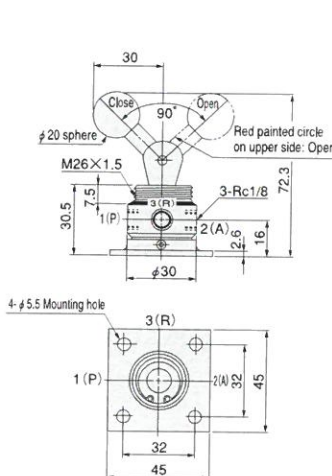
Inner Construction, Major Parts and Materials



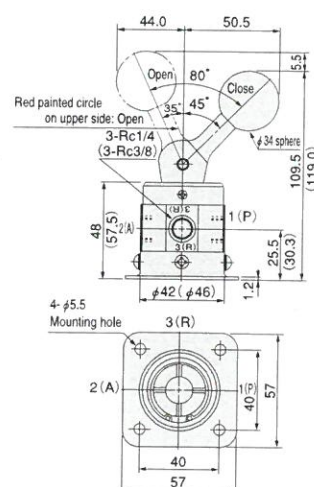
Parts	Materials
Body	Aluminum alloy (anodized)
Stem	Brass
Diaphragm	Synthetic rubber

Dimensions (mm)

125V



250V 2503V



- Notes: 1. Although the 125V lever is set on the 1(P) port side in the normal condition, it can be positioned in 360° range.
2. Dimensions in parentheses () are for the 2503V.

AIR INDICATORS

M5×0.8, R1/8 (M5×0.8)

- Air Indicators change colors to display the presence or absence of air pressure in pneumatic circuits.
- Air Indicators enable checks of pressurized lines, and of operating status and completion of operation.
- Air Indicators have construction to completely change colors, with sharply contrasting indication.

Symbol



Specifications

Item	Model	KIS-R	KIS-G	KIL-R	KIL-G
Port size		M5×0.8		R1/8 and M5×0.8 (female thread)	
Media		Air			
Operating pressure range	MPa [psi.]	0.15~0.9 [22~131]		0.1~0.7 [15~102]	
Proof pressure	MPa [psi.]	1.3 [189]			
Operating temperature range	℃ [°F]	0~60 [32~140]			
Maximum operating frequency	Hz	5		3	
Lubrication		Required			
Color indication	No air pressure	None	None	Green	Red
	Under air pressure	Red	Green	Red	Green
Body material		Brass		Aluminum alloy	
Mass	g [oz.]	5 [0.18]		86 [3.03]	

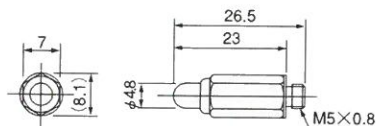
Sales unit

KIS is sold in sets of 5 pcs. When ordering, enter "one" for a set of 5 pcs.

KIL is sold as 1 pc.

Dimensions (mm)

● KIS



● KIL

