

Small Switching Valves

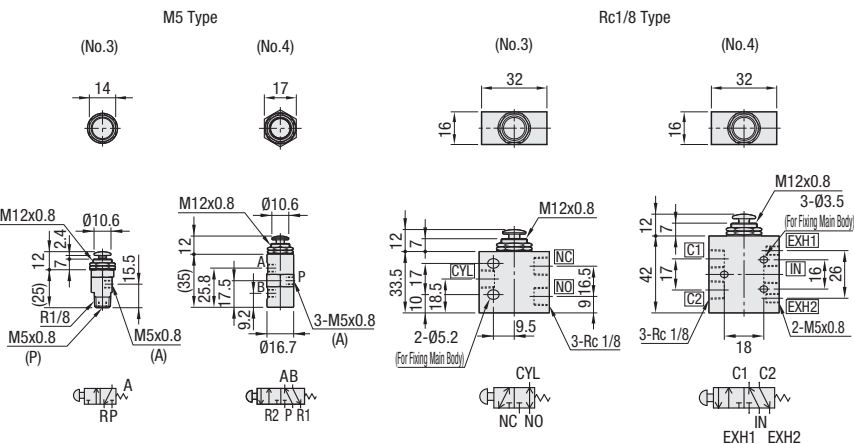
Button Type / Toggle Type

Small Switching Valves

Actuator Set Type

Button Type

MSHRP (M5 Connection Type)
MSHBP (Rc1/8 Connection Type)

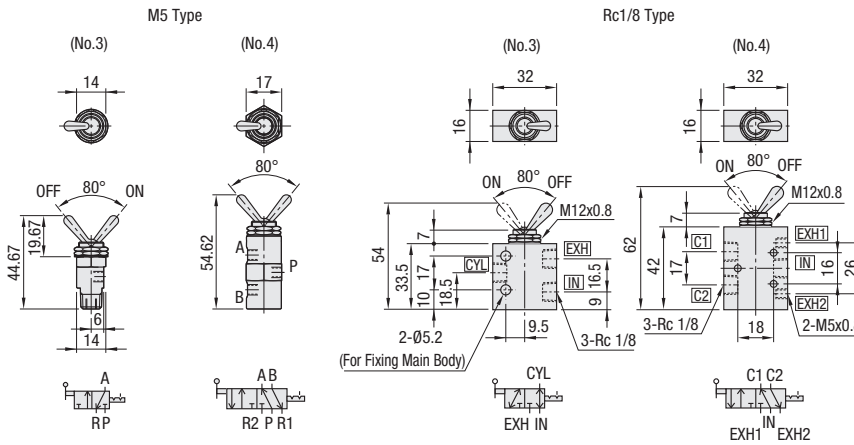


Material: Body: Brass (Surface Treatment: Electroless Nickel Plating), Push Button: SUS303. Button position is non-retaining type (spring return).

Part Number Type	No.	Direction	Number of Ports	Pipe Connection Bore Dia. IN, OUT	EX	Number of Positions	Effective Sectional Area (mm ²)	Mass (g)	Unit Price
MSHRP	3	3	3	M5	1.5	2	1.8	30	
	4	4	5	M5	1.5		1.9	60	
MSHBP	3	3	3	Rc1/8	Rc1/8		4.5	130	
	4	4	5	Rc1/8	M5		5.5	160	

Toggle Type

MSHRT (M5 Connection Type)
MSHBT (Rc1/8 Connection Type)

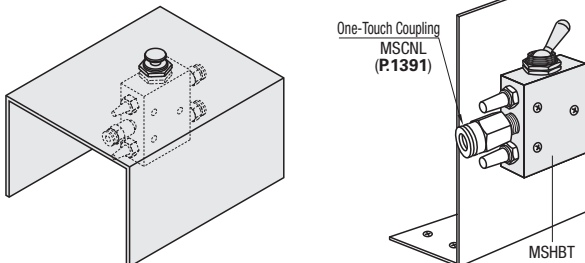


Material: Body: Brass (Surface Treatment: Electroless Nickel Plating), Toggle: SUM24. Toggle position is retaining type.

Part Number Type	No.	Direction	Number of Ports	Pipe Connection Bore Dia. IN, OUT	EX	Number of Positions	Effective Sectional Area (mm ²)	Mass (g)	Unit Price
MSHRT	3	3	3	M5	1.5	2	1.8	30	
	4	4	5	M5	1.5		1.9	60	
MSHBT	3	3	3	Rc1/8	Rc1/8		4.5	130	
	4	4	5	Rc1/8	M5		5.5	160	

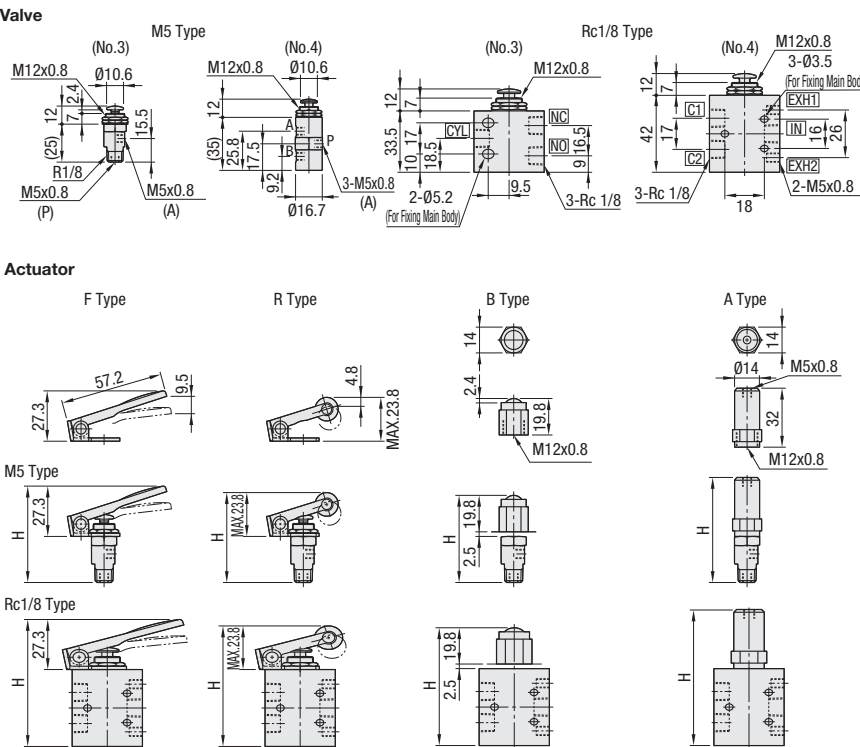
Ordering Example
Part Number
MSHRP3
MSHBP4

Example



Actuator Set Type

MSHRM (M5 Connection Type)
MSHBM (Rc1/8 Connection Type)



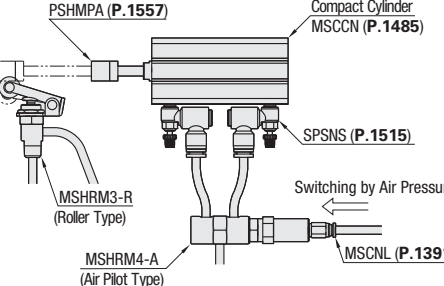
For Type B, set approx. 2.5mm clearance between an actuator and a valve. Material: Body: Brass (Surface Treatment: Electroless Nickel Plating), Push Button: SUS303.

Part Number Type	No.	Actuator	Direction	Number of Ports	Pipe Connection Bore Dia. IN, OUT	EX	Number of Positions	Effective Sectional Area (mm ²)	Unit Price
MSHRM	3	F (Manual Operation Type)	3	3	M5	1.5	2	1.8	
	4	R (Roller Type)	4	5	M5	1.5		1.9	
MSHBM	3	B (Ball Type)	3	3	Rc1/8	Rc1/8		4.5	
	4	A (Air Pilot Type)	4	5	Rc1/8	M5		5.5	

Ordering Example
Part Number - Actuator
MSHRM4 - F
MSHBM4 - A

Applicable Fluid: Air
Operating Pressure Range: 0~0.9MPa
Operating Temp. Range: 5~60°C (No Freezing)

Example



Various actuators can be mounted on these small user-friendly switching valves, which allows selection of various switching methods.

Actuator	F Type	R Type	B Type	A Type
Structure				
Weight	20g	15g	15g	28g
Operating Force	MSHRM: 3N MSHBM: 7N	4N 11N	10N 23N	0.3MPa 0.3MPa
Features	Can be operated easily by finger force.	Switching is activated by detecting a force in on direction.	Switching is operated by detecting 360° moving of the ball.	Switching is operated by detecting the compressed air on the pilot.

The actuator and the valve will be shipped unassembled.

Specifications
Applicable Fluid: Air
Operating Pressure Range: 0~0.9MPa
Operating Temp. Range: 5~60°C (No Freezing)