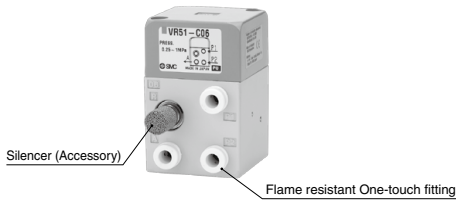


Two Hand Control Valve

VR51 Series



How to Order



VR51 - C06 B

- Two hand control valve
- Option

Nil	None
B	With bracket
- Connection piping size

C06	Flame resistant One-touch fitting ø6
C07	Flame resistant One-touch fitting ø1/4

With bracket (Option)



Back side mounting



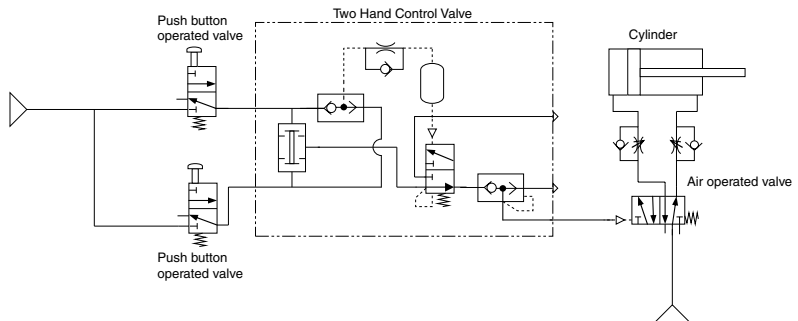
Bottom mounting

Specifications

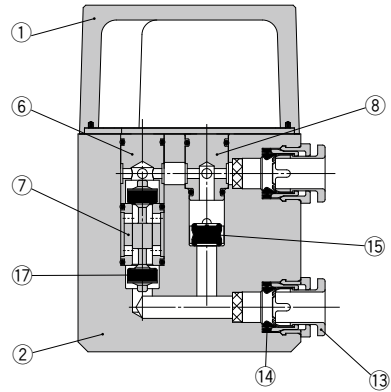
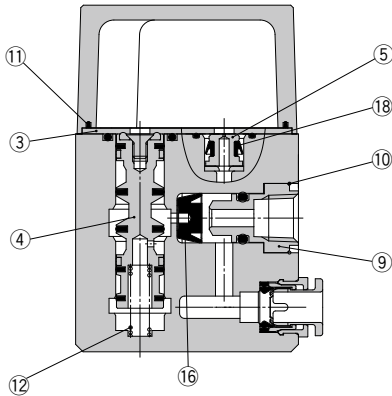
Fluid	Air		
Operating pressure	0.25 to 1 MPa		
Proof pressure	1.5 MPa		
Ambient and fluid temperature	-5 to 60°C (with no freezing)		
Flow rate characteristics	C [dm ³ /(s·bar)]	b	Cv
P → A	0.3	—	—
A → R	1.0	0.12	0.25
Port size	Metric size	ø6	
	Inch size	ø1/4	
Applicable tubing material	<small>Note)</small> Nylon, Soft nylon, Polyurethane, Flame resistant (FR) soft nylon, FR double layer, FR double layer polyurethane		
Weight	340 g		
Accessory	Silencer	Part No.: AN101-01	
Option	Bracket	Part No.: VR51B	
Standard	EN ISO13851: 2019 Class: Type III A		

Note) In the case of using soft nylon or polyurethane tubing, use caution when the maximum operating pressure of the tubing is used.

Example of a Basic Circuit Diagram



Construction



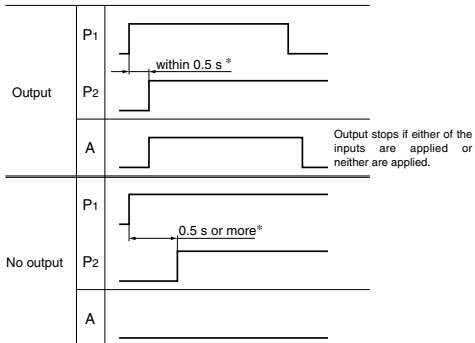
Component Parts

No.	Description	Material	Note
1	Cover	Aluminum die-cast	Gray
2	Body	Aluminum die-cast	White
3	Plate	Rolled steel	Nickel plated
4	Spool valve	Aluminum alloy	
5	Orifice	Brass	Electroless nickel plated
6	Valve seat	Aluminum alloy	
7	Valve guide B	Aluminum alloy	
8	Valve guide A	Aluminum alloy	
9	Guide	Brass	Electroless nickel plated

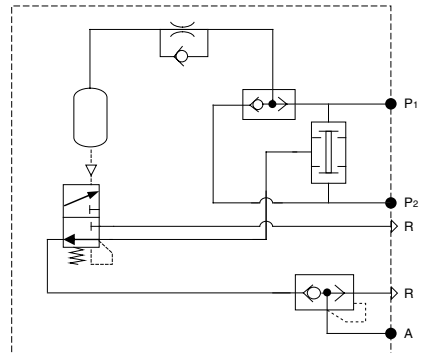
No.	Description	Material	Note
10	Clip	Stainless steel	
11	Gasket	H-NBR	
12	Spring	Stainless steel	
13	Cassette assembly		
14	Seal	NBR	
15	Valve	H-NBR	
16	Valve guide B	NBR	
17	Valve	H-NBR	
18	U-shaped seal	H-NBR	

Timing of Motion

* The time lag for operation is different depending on the operating pressure. The higher the operating pressure, the shorter the time lag, and vice versa. When the operating pressure is 1 MPa, the time lag will be within approximately 0.1 seconds.



Circuit Diagram



VM

VMG

VR

VR51

VHK

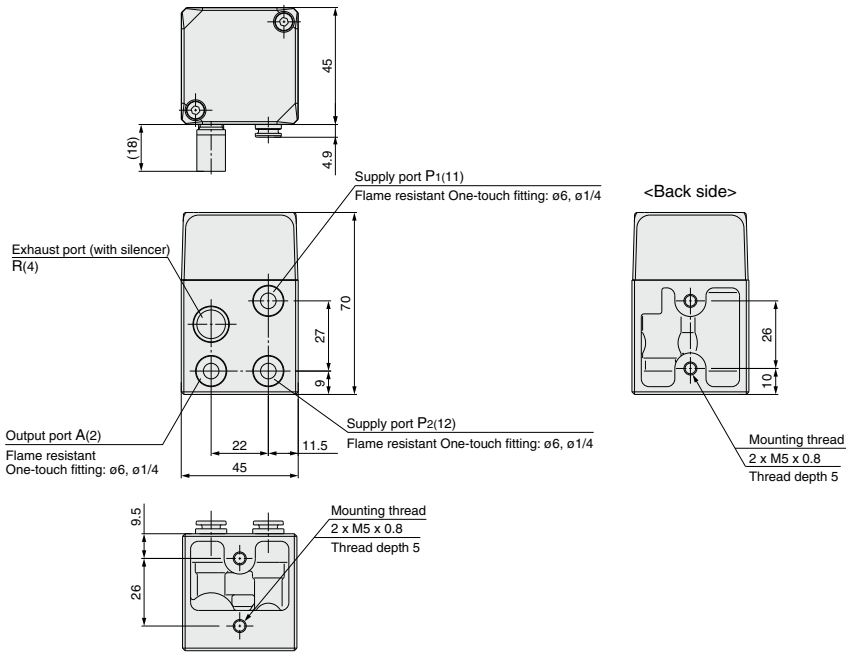
VH

VHS □

VHS

VR51 Series

Dimensions



Bracket mounting dimensions

