

VM25 Series

5 Port Air Operated Valve
Metal Seal/Sub-base Mounting Type

VMS2425

2-position, single sided

VMD2425

2-position, double sided

VMD3425

3-position, closed center

VME3425

3-position, ABR connect



Specifications

Model No.	Unit	VMS2425	VMD2425	VMD3425	VME3425
Fluid		Non-lubricated/lubricated air			
Port size		Rc¾, 1, 1¼			
Sonic-speed transmission②	dm³/(s·bar)	34(Rc¾), 40(Rc1), 42(Rc1¼)		3(Rc¾), 38(Rc1), 39(Rc1¼)	
Critical pressure ratio②		0.13(Rc¾, Rc1), 0.1(Rc1¼)		0.19(Rc¾, Rc1), 0.1(Rc1¼)	
Effective area②	mm²	170	200	210	165
Operating ambient temperature	°C	-5~70①			
Operating pressure range	MPa	-0.1~1			
Pilot pressure	MPa	0.2~0.8②			
Mass	kg	6.03	6.15	6.75	6.75



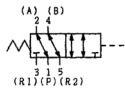
- When the temperature falls below 5 °C, please provide air dryer to prevent water frozen.
- Pilot pressure must remain greater than the working pressure. (Pilot pressure ≥ Working pressure).
- The value shown in sonic-speed transmission, critical pressure ratio, effective area, Cv value represent the value of Port 1 -> 4.

Representation

VMS2425 - 06

Model No.

VMS2425



Port size

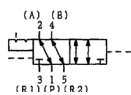
NB: Without sub-base

06: Rc¾

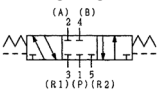
08: Rc1

10: Rc1¼

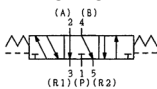
VMD2425



VMD3425



VME3425

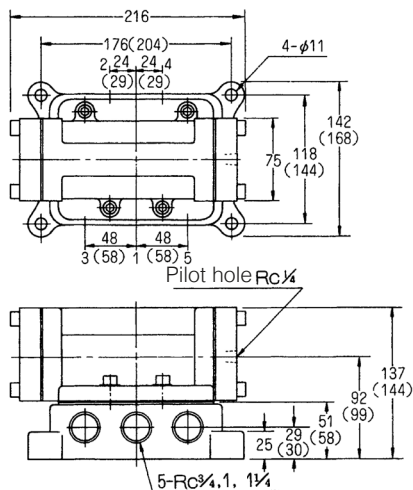


Backup

Sub-base, sub-base gasket, spring are the same as those of PM25 Series.

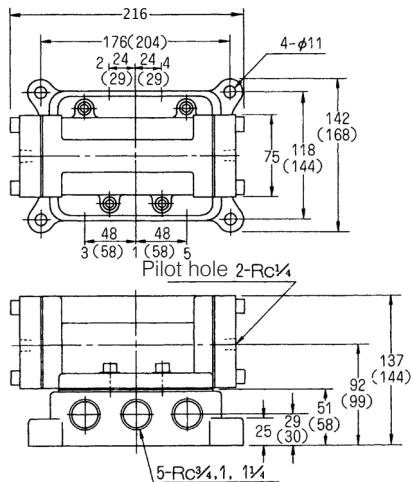
VMS2425

(Unit: mm)



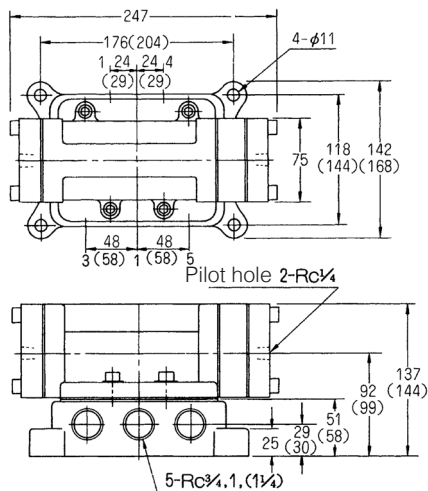
VMD2425

(Unit: mm)



VMD3425, VME3425

(Unit: mm)



Note : The value within bracket are those of Port Rc1 1/4