

MANUAL VACUUM VALVES • PEDAL-OPERATED VACUUM VALVES

ORDER
ONLINE



Specifications

Item	Basic model	V125P	V250P	V2503P	V125HO※	V125V	V250V	V2503V※	V250-4H※	V2503-4H※	V250F※
Media		Vacuum									
Operation type		Push button				Lever					Pedal-operated
		Spring return			Spring return (with holding function)	Holding type			Holding type; 3 port positions		Spring return
Number of ports		3 ports	2 or 3 ports		3 ports	3 ports			5 ports with exhaust center		2 or 3 ports
Valve function		Normally closed (NC)				Normally closed (NC), Normally open (NO)			—		Normally closed (NC)
Effective area [Cv value]	mm ²	5.5 [0.27]	15 [0.76]		5.5 [0.27]			15 [0.76]			
Ports	Rc	1/8	1/4	3/8	1/8		1/4	3/8	1/4	3/8	1/4
Lubrication		Not necessary									
Pressure range	kPa{mmHg}	0~-100 {0~-750}									
Temperature range	℃	5 ~60									
Installation direction		Any position									
Mass	kg	0.1	0.2	0.25	0.1	0.1	0.25	0.3	0.6	0.6	1.0

※ denotes a semi-standard product.

Order Codes

		Basic model	Options	
			Valve function	Installation
			2 ports	Lock nut for panel mounting
Push button	3 ports	V125P		-22
	2 or 3 ports	V250P	-2	
	2 or 3 ports	V2503P		
	3 ports	V125HO※		-22
Lever	3 ports	V125V		
	3 ports	V250V		
	3 ports	V2503V※		
	5 ports	V250-4H※		
	5 ports	V2503-4H※		
Pedal	2 or 3 ports	V250F※	-2	

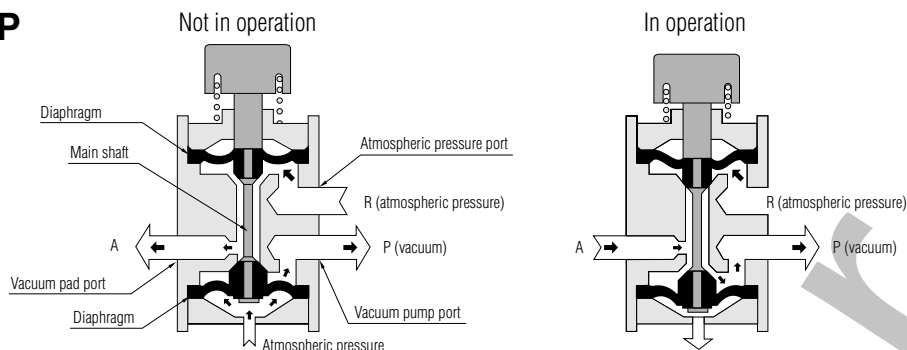
※ denotes a semi-standard product.

●Blank — With base mounting

●Blank — 3 ports
Models V250-4H and V2503-4H have 5 ports.

Operating Principles and Symbols

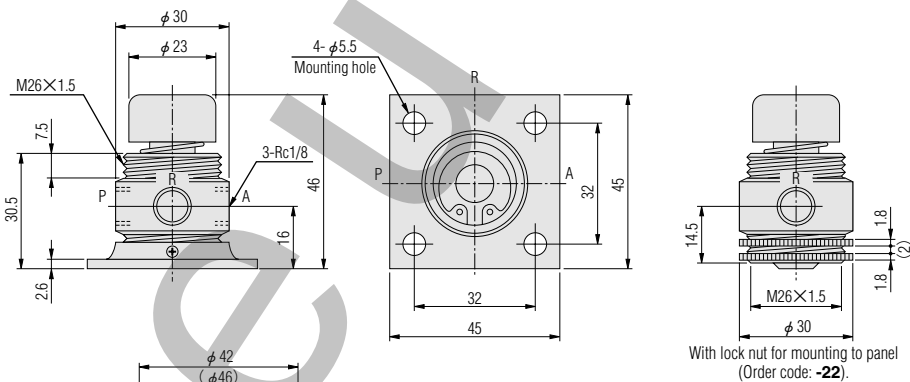
V125P



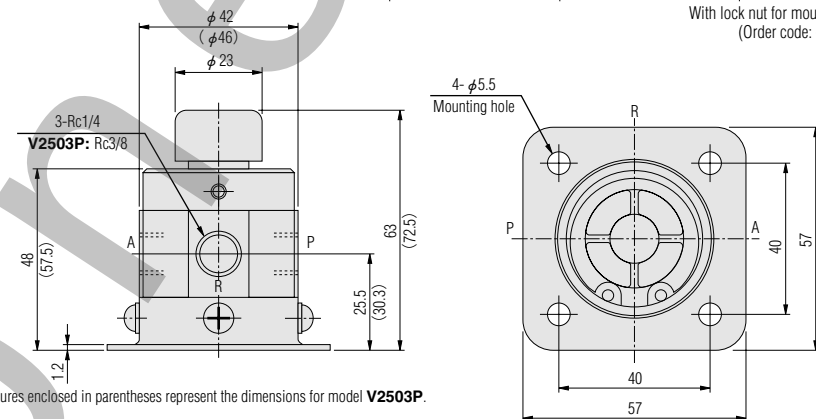
2 ports, NC	3 ports, NC	3 ports, NC	3 ports, NC/NO	5 ports 3 positions • Exhaust center	2 ports, NC	3 ports, NC
						
V250P-2 V2503-2	V125P V250P V2503P	V125HO	V125V V250V V2503V	V250-4H V2503-4H	V250F-2	V250F

Dimensional Drawings (Unit: mm)

V125P



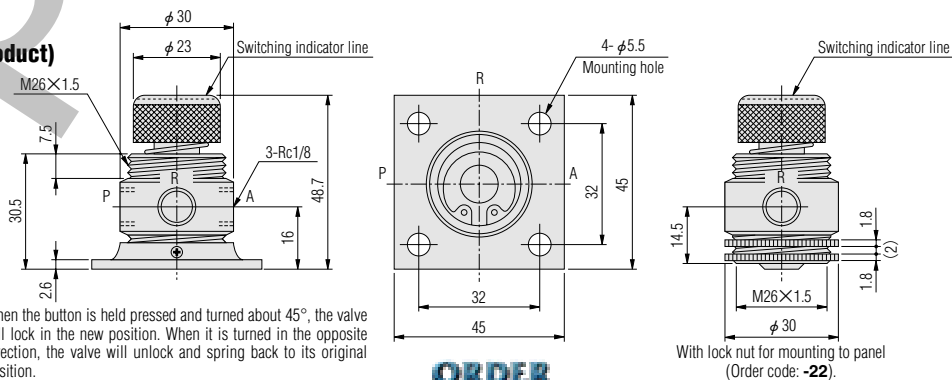
V250P
V2503P



Figures enclosed in parentheses represent the dimensions for model **V2503P**.

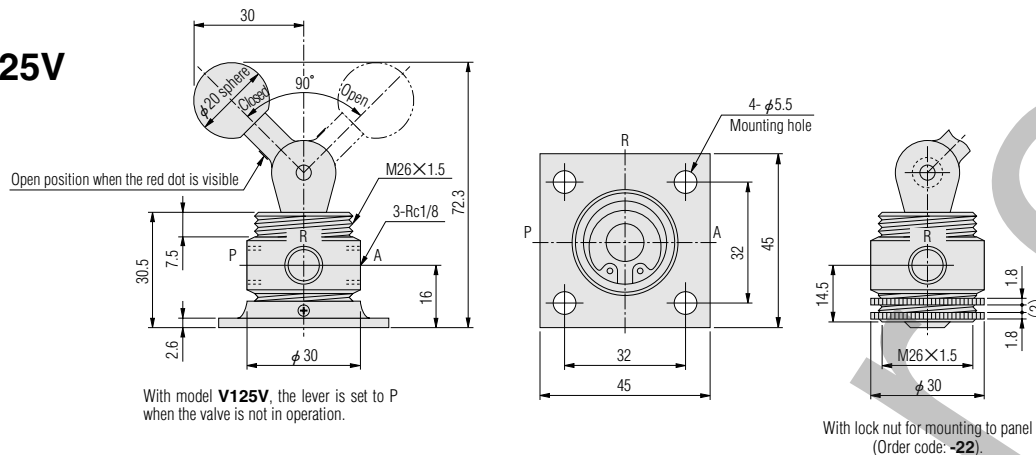
V125HO

(Semi-standard product)

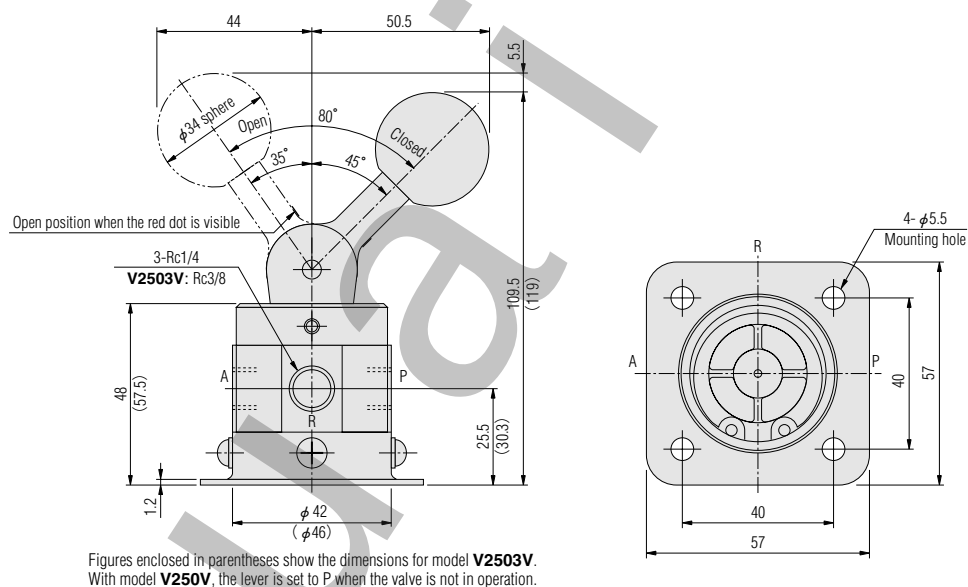


When the button is held pressed and turned about 45°, the valve will lock in the new position. When it is turned in the opposite direction, the valve will unlock and spring back to its original position.

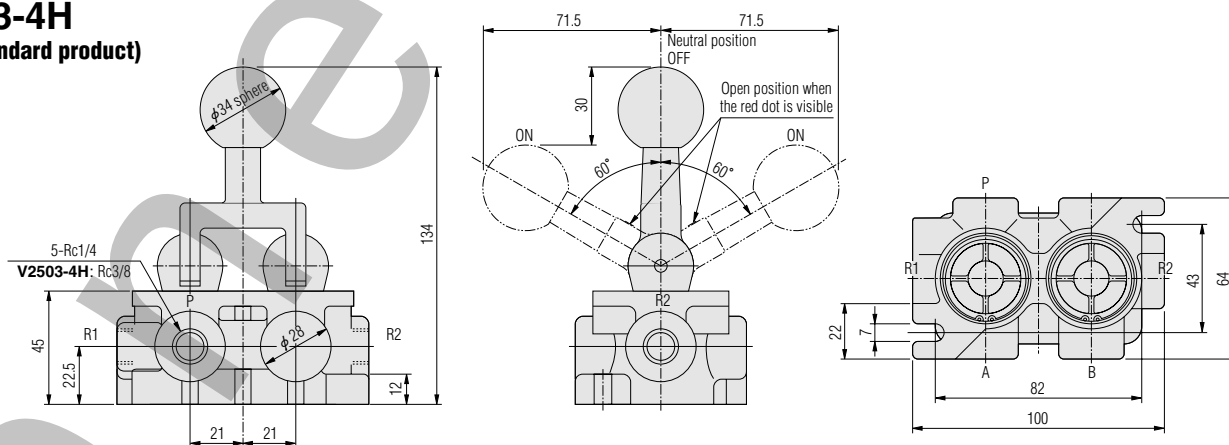
V125V



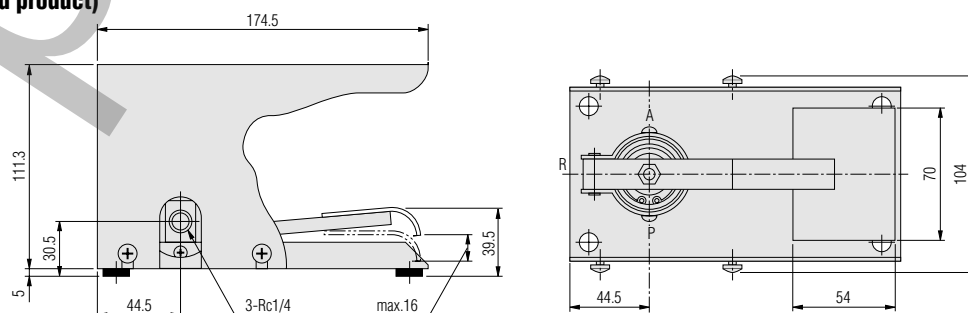
V250V V2503V (Semi-standard product)



V250-4H V2503-4H (Semi-standard product)



V250F (Semi-standard product)



MECHANICAL VACUUM VALVES

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Specifications

Item	Basic model	V125B	V250B	V2503B※	V125MC	V125MOC※	V250C	V2503C
Media		Vacuum						
Operation type		Ball cam			Roller cam			
		—			Steel roller	One way steel roller	Nylon roller	
Number of ports		3 ports (cannot be used as 2-port valve, or as a normally open (NO) valve)					2 or 3 ports	
Valve function		Normally closed (NC)						
Effective area [Cv value]	mm ²	5.5 [0.27]	15 [0.76]		5.5 [0.27]		15 [0.76]	
Ports	Rc	1/8	1/4	3/8	1/8		1/4	3/8
Lubrication		Not necessary						
Pressure range	kPa{mmHg}	0～100 {0～750}						
Minimum operating force	kg	2	3		1.5			
Temperature range	℃	5 ～60						
Installation direction		Any position						
Mass	kg	0.1	0.2	0.25	0.15		0.3	0.35

An asterisk ※ denotes a standard product.

Order Codes

		Basic model	Options
			Valve function — Installation —
			2 ports — With lock nut for panel mounting
Ball cam	3 ports	V125B	-22
	3 ports	V250B	
	3 ports	V2503B※	
Roller cam	3 ports	V125MC	
	3 ports	V125MOC※	
	2 or 3 ports	V250C	-2
	2 or 3 ports	V2503C	

※ denotes a semi-standard product.

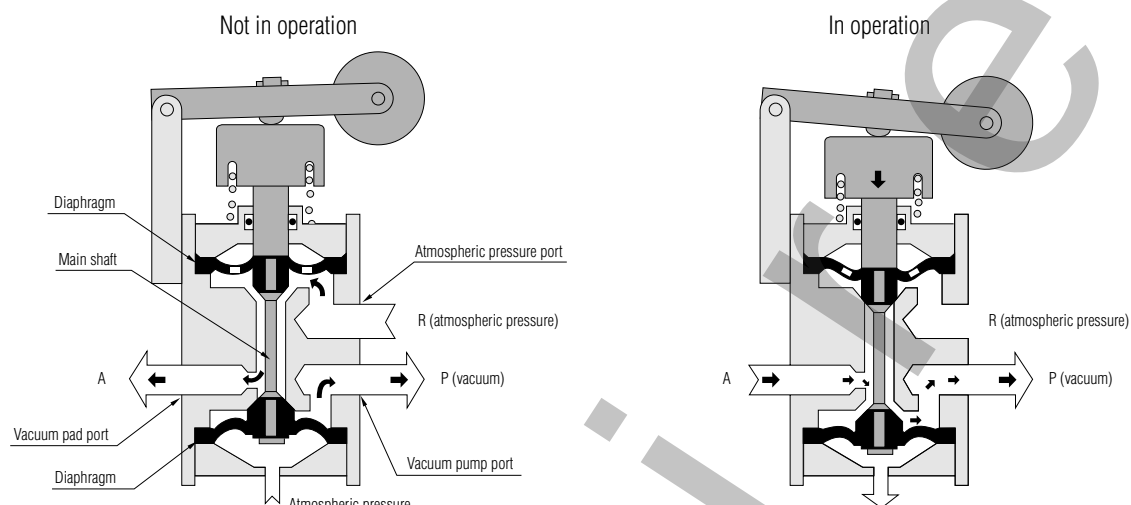
●Blank — 3 ports

●Blank — With base mounting

ROUND-TYPE VACUUM VALVES

Operating Principles and Symbols

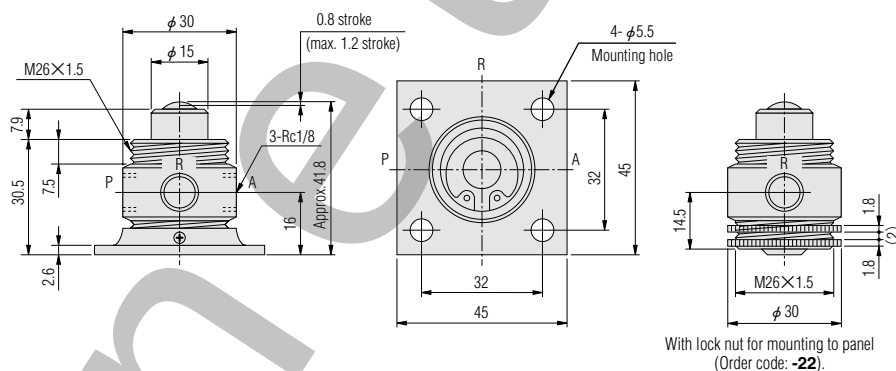
V250C



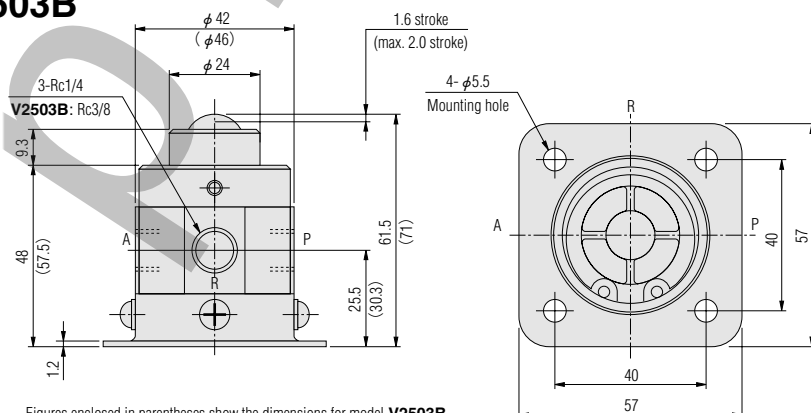
3 ports, NC	2 ports, NC	3 ports, NC	3 ports, NC
V125B V250B V2503B	V250C-2 V2503C-2	V125MC V250C V2503C	V125MOC

Dimensional Drawings (Unit: mm)

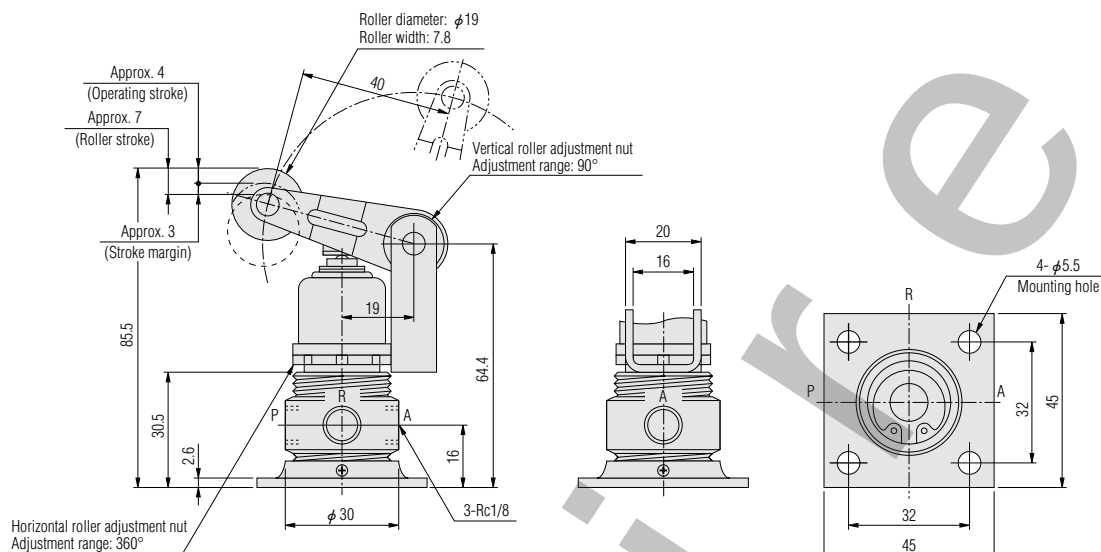
V125B



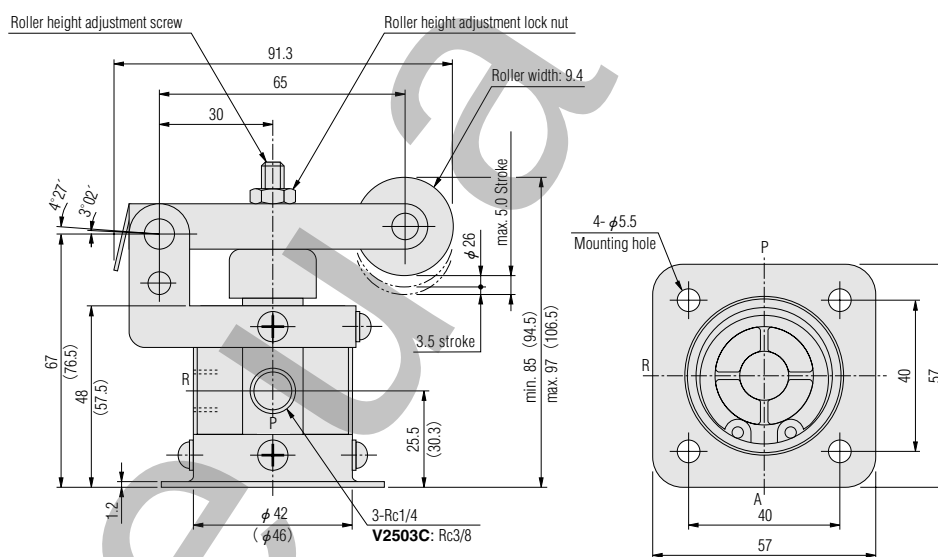
V250B V2503B



V125MC

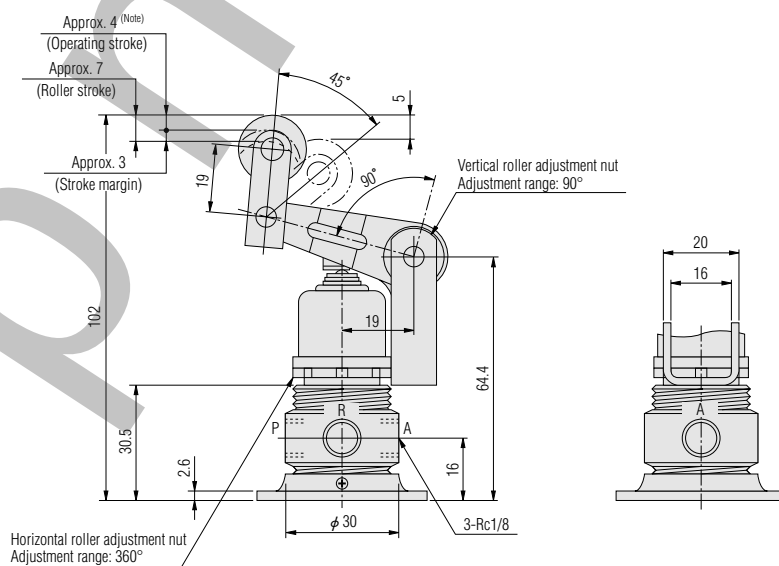


V250C V2503C



Figures enclosed in parentheses show the dimensions for model V2503C.

V125MOC



Note: The valve's service life will be shortened if pressed more often than necessary.