



FOOT VALVES

5-port

Symbols

Spring return	Spring return with holding mechanism
	
250-4F 2503-4F	250-4FL 2503-4FL

Specifications

Item	Operation type Basic model	Spring return		Spring return with holding mechanism	
		250-4F	2503-4F	250-4FL	2503-4FL
Port size		Rc1/4	Rc3/8	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	15			
Flow coefficient	Cv	0.76			
Valve stroke	mm [in.]	1.6 [0.063]			
Lubrication		Not required			
Mass	kg [lb.]	1.6 [3.5]		1.7 [3.7]	

Order Codes

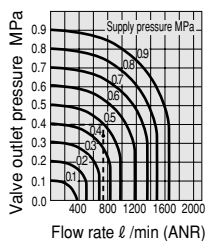


Basic model

Basic model	Specifications
250-4F	Rc 1/4 Spring return
250-4FL	Rc 1/4 Spring return with holding mechanism
2503-4F	Rc3/8 Spring return
2503-4FL	Rc 3/8 Spring return with holding mechanism

Examples:
250-4F
2503-4FL

Flow Rate



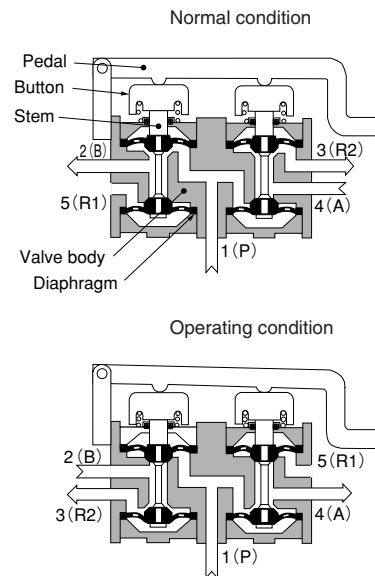
1MPa = 145psi., 1 l /min = 0.0353ft³/min.

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

Pedal Pushing Down Force

Model	Main pressure MPa [psi.]				
	0 [0]	0.2 [29]	0.4 [58]	0.6 [87]	0.8 [116]
250-4F	10.8	17.7	25.5	33.3	44.1
2503-4F	[2.43]	[3.98]	[5.73]	[7.49]	[9.91]

Inner Construction, Major Parts and Materials



Parts	Materials
Body	Aluminum alloy (anodized)
Stem	Brass
Diaphragm	Synthetic rubber
Cover, pedal	Steel

Dimensions (mm)

