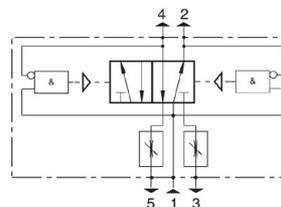


5/2-Way Valve 1/4

oscillating valve

Actuation: Pneumatic



The oscillating valve automatically generates reciprocating movements, for applications such as shaking, feeding, hammering, plunging, scraping, wiping, winding, tensioning, raking, diverting, spraying, cleaning, and dipping.

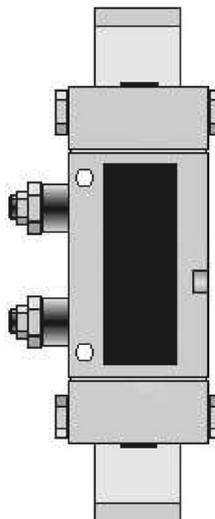
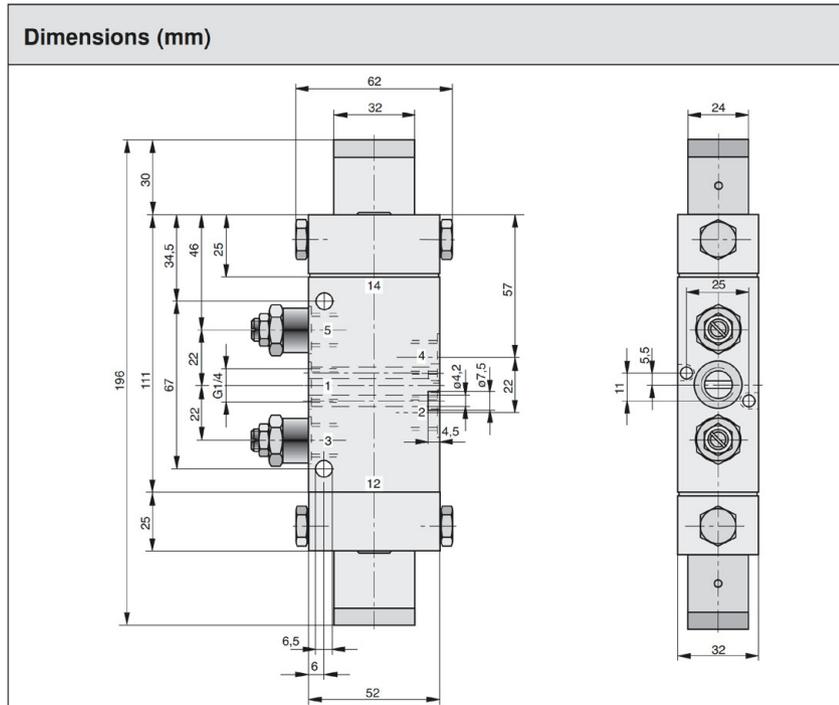
The oscillating valve is supplied with two built-in flow control valves. This makes it easy to adjust the stroke frequency of the actuator.

Pneumatic Version:

If compressed air is introduced into inlet port 1, the outlet ports 4 and 2 are alternately supplied with air.

Characteristics to VDI 3290		Pressures quoted as gauge pressure	
Characteristics	Symbol	Unit	Description
General Features			
System			Spool valve
Mounting			2 screws M6 (M4)
Tube connection			Thread
Port size		NPT (G)	1/4
Weight (mass)		lbs. (kg)	1.43 (0.65)
Installation			In any position
Ambient temperature range	ϑ_{min} ϑ_{max}	°F (°C)	14 (-10) 140 (+60)
Medium temperature range	ϑ_{min} ϑ_{max}	°F (°C)	14 (-10) 158 (+70)
Medium			Filtered compressed air
Lubrication			With or without oil mist lubrication ¹⁾
Pneumatic Characteristics			
Nominal pressure	p_n	psi (bar)	87 (6)
Operating pressure range	p_{min} p_{max}	psi (bar)	36 (3) 118 (8)
Nominal flow	Q_N	Cv (l/min)	1.3 (1300)
Actuation			
Pneumatic			Direct
Actuating pressure range	$p_{st min}$ $p_{st max}$	psi (bar)	36 (3) 118 (8)

¹⁾ We recommend the use of mineral oil type VG32 to ISO 3448



Version 1/4	Metric Version		NPT Version	
Description	Type Number	Order Number	Type Number	Order Number
Oscillating valve	S9 568/68-1/4-SO	PD 34796	S9 568/68-1/4U-SO	PD 45508

