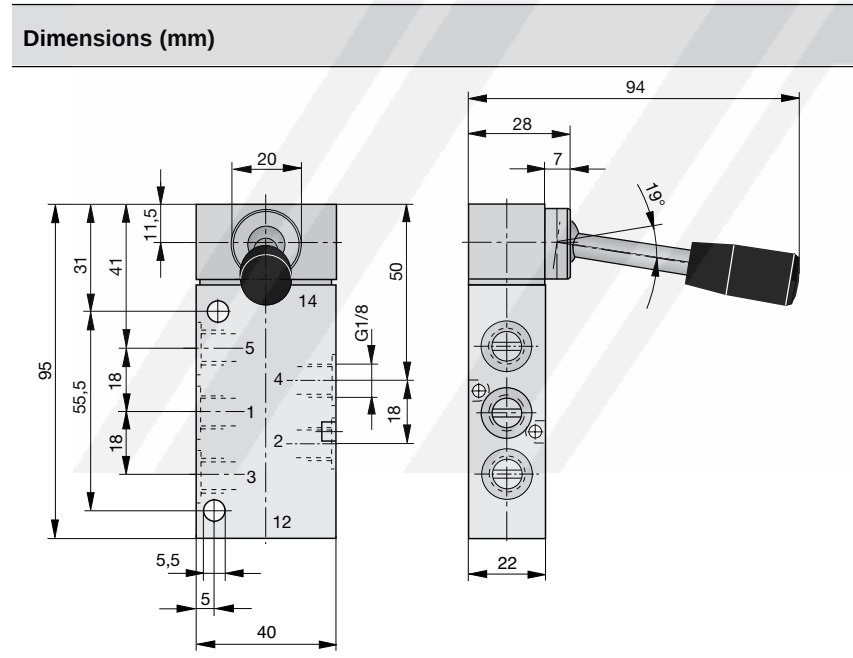


Characteristics to VDI 3290		Pressures quoted as gauge pressure		
Characteristics	Symbol	Unit	Description	
General Features				
Type			Spool valve	
Mounting			2 screws M5	
Tube connection			Thread	
Port size		NPT (G)	1/8	
Weight (mass)		lbs. (kg)	.429 (.195)	
Installation			In any position	
Ambient temperature range	$\vartheta_{\min}$ $\vartheta_{\max}$	°F (°C)	14 (-10) 140 (+60)	Note: When using below freezing point it is necessary to consult factory.
Medium temperature range	$\vartheta_{\min}$ $\vartheta_{\max}$	°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)	0 (0) 145 (10)	
Nominal flow	Q _N	Cv (l/min)	.5 (500)	
Actuation				
Manual control			Direct	
Stroke		in (mm)	.177 (4.5)	
Actuation force	F _b	lbf (N)	1.57 (7) detent 2.25 (10) spring	

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



5/2-Way Valve 1/8

Actuation: Hand lever

- Detent
- Spring Return

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Version 1/8	Metric Version		NPT Version	
Actuation	Type Number	Order Number	Type Number	Order Number
5/2 Hand Lever/Detent	S9 511-1/8	PA 10308	S9 511-1/8U	PD 45469
5/2 Hand Lever/Spring Return	S9 511RF-1/8	PA 10309	S9 511RF-1/8U	PD 45470