

5/2 Way Valve

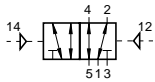
Valve

G1/8

Actuation:
Pneumatic
 - by permanent signal
 - by impulse

Series S9

S9 561-1/8



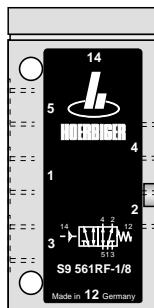
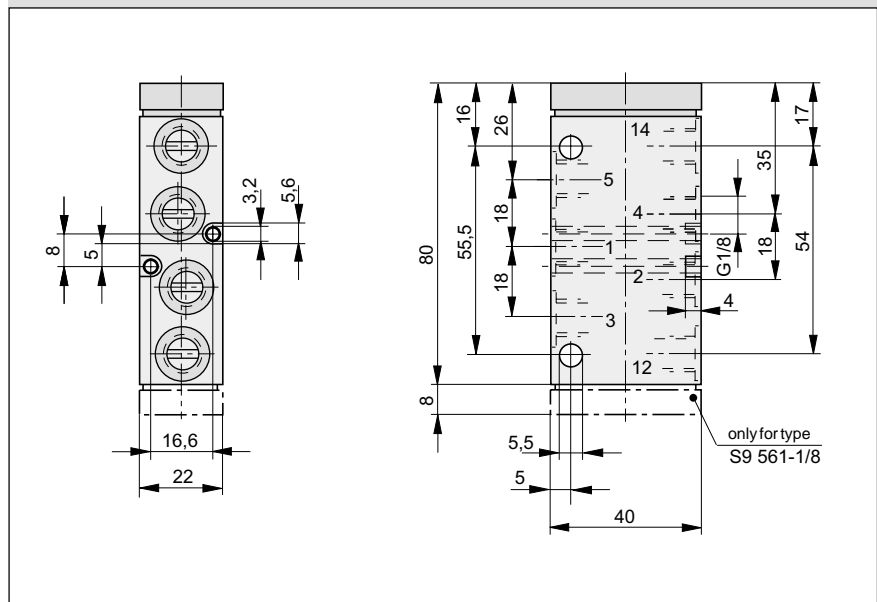
S9 561RF-1/8



Characteristics to VDI 3290		Pressures quoted as gauge pressure	
Characteristics	Symbol	Unit	Description
General Features			
Type			Spool valve
Mounting			2 screws M5 (M3)
Tube connection			Thread
Port size			G1/8; 7.4 deep
Weight (mass)		kg	0.160 - permanent signal version 0.170 - impulse version
Installation			In any position
Ambient temperature range	ϑ_{\min} ϑ_{\max}	°C °C	-10 +60
Medium temperature range	ϑ_{\min} ϑ_{\max}	°C °C	-10 +70
Medium			Filtered compressed air
Lubrication			With or without oil mist lubrication ¹⁾
Pneumatic Characteristics			
Nominal pressure	p_n	bar	6
Operating pressure range	p_{\min} p_{\max}	bar bar	0 10
Nominal flow	Q_N	l/min	500
Actuation			
Pneumatic			Direct
Actuation pressure range	$p_{st\min}$ $p_{st\max}$	bar bar	2 10 permanent signal version
	$p_{st\min}$ $p_{st\max}$	bar bar	1.5 10 impulse version

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

Dimensions (mm)



For product group list see 3.42.001E

Order Instructions:
 S9 561-1/8 PA 10311 (impulse)
 S8 561RF-1/8 PA 10310 (permanent signal, spring return)

Data Sheet No. 3.42.052E



A1P370E00DX00X

The right to introduce technical modifications is reserved

A1P390E00FX40X

The right to introduce technical modifications is reserved

Characteristics to VDI 3290		Pressures quoted as gauge pressure	
Characteristics	Symbol	Unit	Description
General Features			
Type			Spool valve
Mounting			2 screws M6 (M4)
Tube connection			Thread
Port Size			G1/4; 11 deep
Weight (mass)		kg	0.49 - permanent signal version 0.51 - impulse version
Installation			In any position
Ambient temperature range	ϑ_{\min} ϑ_{\max}	°C °C	-10 +60
Medium temperature range	ϑ_{\min} ϑ_{\max}	°C °C	-10 +70
		Note: When using below freezing point (°C) it is necessary to consult us.	
Medium			Filtered compressed air
Lubrication			With or without oil mist lubrication ¹⁾
Pneumatic Characteristics			
Nominal pressure	p_n	bar	6
Operating pressure range	p_{\min} p_{\max}	bar bar	0 10
Nominal flow	Q_N	l/min	1300
Actuation			
Pneumatic			Direct
Actuation pressure range	$p_{st\min}$ $p_{st\max}$	bar bar	Permanent signal version 2 10
	$p_{st\min}$ $p_{st\max}$	bar bar	Impulse version 1.5 (561) 10

¹⁾ We recommend the use of mineral oil type VG 32 to ISO 3448

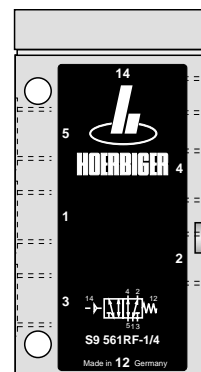
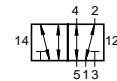
5/2 Way Valve

G1/4

Actuation:
Pneumatic
- by permanent signal
- by impulse

Series S9 56.

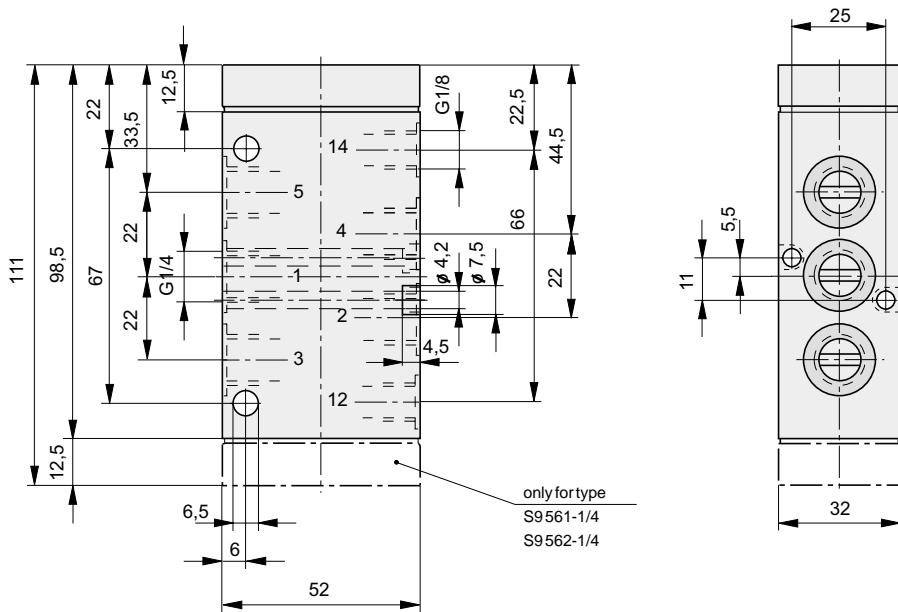
S9 56.



For product group list see 3.52.001E

Data Sheet No. 3.52.053E-1

Dimensions (mm)



Order Instructions

Actuation	Return	Symbol	Order Instructions	
			Type	Order No.
Pneumatic by permanent signal, spring return	Spring return		S9561RF-1/4	PA 12676
Pneumatic by impulse	Pneumatic by impulse		S9561-1/4	PA 12677
Pneumatic by impulse, differential piston	Pneumatic by impulse		S9562-1/4	PA 12678

A1P437E00JAA50X

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Characteristics to VDI 3290		Pressures quoted as gauge pressure	
Characteristics	Symbol	Unit	Description
General Features			
Type			Spool valve
Mounting			2 screws M6
Tube connection			Thread
Port size			G1/2; 16 deep
Weight (mass)		kg	0.80 - permanent signal version 0.90 - impulse version
Installation			In any position
Ambient temperature range	ϑ_{\min} ϑ_{\max}	°C °C	-10 +60
Medium temperature range	ϑ_{\min} ϑ_{\max}	°C °C	-10 +70
			Note: When using below freezing point (°C) it is necessary to consult us.
Medium			Filtered compressed air
Lubrication			With or without oil mist lubrication ¹⁾
Pneumatic Characteristics			
Nominal pressure	p_n	bar	6
Operating pressure range	p_{\min} p_{\max}	bar bar	0 10
Nominal flow	Q_N	l/min	3500
Actuation			
Pneumatic			Direct
Actuation pressure range	$p_{st\min}$ $p_{st\max}$	bar bar	Permanent signal version 2.2 10
	$p_{st\min}$ $p_{st\max}$	bar bar	Impulse version 1.5 (561) 10
			2.5 (562)

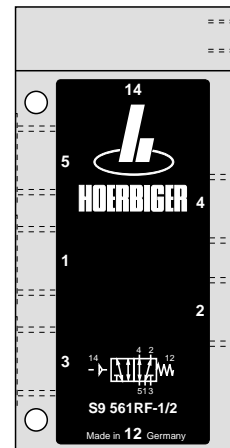
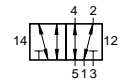
¹⁾ We recommend the use of mineral oil type VG 32 to ISO 3448

5/2 Way Valve

G1/2

Actuation:
Pneumatic
 - by permanent signal
 - by impulse

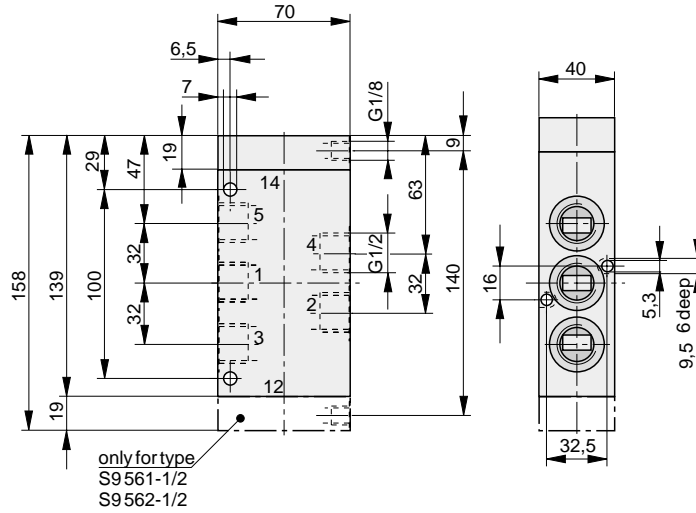
Series S9
S9 56.



For product group list see 3.53.001E

Data Sheet No. 3.53.052E-1

Dimensions (mm)



Order Instructions

Actuation	Return	Symbol	Order Instructions	
			Type	Order No.
Pneumatic by permanent signal spring return	Spring return		S9561RF-1/2	PA 16165
Pneumatic by impulse	Pneumatic by impulse		S9561-1/2	PA 16166
Pneumatic by impulse, differential piston	Pneumatic by impulse		S9562-1/2	PA 16167