

pressure limitation valve type SPB-S 50

Contraction of the second		tional externally controlled range PN 5-64 bar prifice DN 50 mm	
	pressure range		
0			
	connection	thread	
	Tunction	stepless	т
38-5 30		pressure regulation	
JP63 50			
		ĽZĘ	
64			
0			
	nniseh	design externally controlled with spring return	
	•		
Above stated body materials refer to the valve port connections that get in con-	body materials	1	④ steel, nickel plated
tact with the media only!		2	5
		3	6
	valve seat	metal on metal	
	seal materials		
details needed for main valve		general specifications	options
orifice	ports	SPB threads G 1 1/2	SAE connection DIN ISO 6162
port	function	stepless regulation	
pressure regulating range	pressure regulation range Kv value	bar 5-64 m³/h 48,0	
 flow rate media 	media	emulsions - oils	
 media temperature 			
ambient temperature	abrasive media		
	flow direction operating time	P ⇔ T as marked ms < 900	
details needed for proportional valve	media temperature	ms < 900	
nominal voltage	ambient temperature	°C 0 to +50	
actuation pressure range min/max	approvals		
	mounting	mounting holes kg 11.9	
	weight additional equipment	kg 11,9	
		electrical specifications	options
	nominal voltage	UB DC 24 V (max. residual ripple 109) DC < 0,7 A	6)
	power consumption control signals	DC < 0,7 A UE 0-10 V (Rε 100KΩ)	
	protection	IP65 acc. DIN 40 050	
	energized duty rating	ED 100% (observe the connection conditions accordingly)	
	connection	plug with 7 contacts / wire diameter 6-8 mm	
		pneumatic specifications	options
	actuation pressure range	bar see actuation pressure-diagram	
	air consumption	DIN ISO 8573-1 grade of compre	ssed air quality 5/4/3
	control	by 3/2-way proportional valve	
	actuator ports	<u>1 G 1/8</u>	
The valves' technical design is based		connectionplan connection conditions	
on media and application requirements. This can lead to deviations from the general			When supplying the electrical set point
specifications shown on the data sheet with			signal to the proportional valve, the ac-
regards to the design, sealing materials and			tuating air must already be present. (see
characteristics.			actuation pressure-diagram)
If order or application specifications are		1 2 3 4 5 6 7	
incomplete or imprecise there exists a risk of			position of installation
an incorrect technical design of the valve for		<u> </u>	arbitrarily, but regulator not downwards
the required application. As a consequence,			

the required application. As a consequence, the physical and / or chemical properties of the materials or seals used, may not be sui-table for the intended application.

specifications not highlighted are standard specifications highlighted in grey are optional U_B 0V U_E 0V +24V

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actuation pressure-diagram



pressureless circulation mode



Sound creation during low pressure circulation mode and flow Q=48 m³/h: ca. 74 dbA

The application-specific layout relating to temperature, pressure conditions, switching behavior, media and its consistency may restrict the range of use or necessitate relevant modifications to materials used and seal arrangements. Rights reserved to make technical alterations • Not responsible for printing errors • Detailled drawings can be obtained upon request