

# Pneumatic valve VSPA-B-P53U-D2

Part number: 8033653

FESTO



 [General operating condition](#)

## Data sheet

Feature	Value
Valve function	5/3-way, pressurised
Type of actuation	Pneumatic
Construction width	52 mm
Nominal flow rate standardised according to ISO 8778	3500 l/min
pneumatic working port	Sub-base size 2 to ISO 5599-1
Operating pressure	-0.09 MPa ... 1.6 MPa
Operating pressure	-0.9 bar ... 16 bar
Design	Piston gate valve
Nominal size	11.5 mm
Exhaust-air function	Via individual sub-base
Sealing principle	Soft
Mounting position	Any
Type of piloting	Direct
Pilot air supply	External
Flow direction	Reversible
Symbol	00991022
lap	Overlap
Pilot pressure	0.3 MPa ... 1.6 MPa
Pilot pressure	3 bar ... 16 bar
Suitability for vacuum	Yes
b value	0.33
C value	7069 l/sbar
Flow rate of valve	3300 l/min
Flow rate of valve on individual sub-base	2900 l/min
Operating medium	Compressed air to ISO 8573-1:2010 [7:4:4]
Note on operating and pilot medium	Lubricated operation possible (in which case lubricated operation will always be required)
Vibration resistance	Transport application test with severity level 2 to FN 942017-4 and EN 60068-2-6
Shock resistance	Shock test with severity level 2 to FN 942017-5 and EN 60068-2-27
Corrosion resistance class CRC	0 - No corrosion stress
LABS (PWIS) conformity	VDMA24364-B1/B2-L
Media temperature	-10 °C ... 60 °C
Sound pressure level	85 dB(A)
Pilot medium	Compressed air to ISO 8573-1:2010 [7:4:4]
Max. tightening torque for valve mounting	2 Nm

<b>Feature</b>	<b>Value</b>
Product weight	655 g
Type of mounting	On sub-base
Pilot air port 12	Sub-base size 2 to ISO 5599-1
Pilot air port 14	Sub-base size 2 to ISO 5599-1
Pneumatic connection, port 1	Sub-base size 2 to ISO 5599-1
Pneumatic connection, port 2	Sub-base size 2 to ISO 5599-1
Pneumatic connection, port 3	Sub-base size 2 to ISO 5599-1
Pneumatic connection, port 4	Sub-base size 2 to ISO 5599-1
Pneumatic connection, port 5	Sub-base size 2 to ISO 5599-1
Note on materials	RoHS compliant
Material seals	NBR
Material housing	Die-cast aluminium
Material screws	Steel Galvanised