

Flat cylinder DZH-20- -PPV-A-S20

Part number: 158380

FESTO



[General operating condition](#)

Data sheet

Overall data sheet – Individual values depend upon your configuration.

Feature	Value
Stroke	1 mm ... 320 mm
Piston diameter	20 mm Equivalent diameter
Piston rod thread	M8
Torsional backlash at piston rod +/-	2.6 deg
Cushioning	Pneumatic cushioning, adjustable at both ends
Mounting position	Any
Mode of operation	Double-acting
Design	Piston Piston rod Profile barrel
Position detection	Via proximity switch
Symbol	00991236
Variants	Through, hollow piston rod
Protection against torque/guide	Oval piston
Operating pressure	0.1 MPa ... 1 MPa
Operating pressure	1 bar ... 10 bar
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)
Corrosion resistance class CRC	2 - Moderate corrosion stress
LABS (PWIS) conformity	VDMA24364-B2-L
Ambient temperature	-20 °C ... 80 °C
Cushioning length	17 mm
Max. torque for protection against torsion	0.6 Nm
Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke	158 N
Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke	158 N
Moving mass for 0 mm stroke	76 g
Additional moving mass per 10 mm stroke	6.8 g
Additional weight per 10 mm stroke	18.7 g
Basic weight for 0 mm stroke	251 g
Type of mounting	With female thread With accessories
Pneumatic connection	G1/8
Note on materials	RoHS compliant
Material cover	Aluminium

Feature	Value
Material seals	TPE-U(PU)
Material housing	Aluminium
Material piston seal	TPE-U(PU)
Material piston rod	High-alloy steel