

Compact Cylinder ADVU-100-20-P-A - Festo 156579

Item no. FES-156579

Manufacturer Festo

EAN 4052568118433

Festo pneumatic cylinder for precise linear motion and defined force in automation.

TECHNICAL DATA

Ausführungstyp	einseitige Kolbenstange
Betriebsdruck max [bar]	10.000000
Bore (mm)	100.000000
Corrosion resistance class CRC	2 - moderate corrosion stress
Cushioning	P: Elastic silencer rings / plates double-sided
Design	Piston, piston rod
Funktion	double-acting
HS-Code	84123100
Hub [mm]	20
Medium	Compressed air
Mounting position	arbitrary
Operating conditions	ISO 8573-1
Pneumatic connection	G1/4
Position sensing	Yes
Series	ADVU
Temperature (max.)	80
Weight	2.7 kg



STANDARDS & COMPLIANCE

ISO 8573-1:2010

DESCRIPTION

Festo pneumatic cylinder for precise linear motion and defined force in automation. The key technical data of this genuine Festo article are listed below.

Stroke [mm]	20
Piston diameter	100 mm
Dampening	P: Elastic silencer rings / plates double-sided
installation position	arbitrary
Principle of operation	double acting
Piston rod end	Female thread
Construction set up	Piston piston rod

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Position detection	For proximity switch
Variants	One-sided piston rod
Operating pressure [bar]	0.6 to 10
Operating medium	Compressed air to ISO 8573-1:2010 [7:4:4]
Information about operating and control medium	Oiled operation possible (required in further operations)
Corrosion resistant class KBK	2 - moderate corrosion stress
ambient temperature [°C]	-20 to 80
Impact energy at the end positions [J]	1,00
Theoretical force at 6 bar, Return flow [N]	4.418
Theoretical force at 6 bar, flow [N]	4.712
Moving mass at 0 mm stroke [g]	614
Weight supplement per 10 mm stroke [g]	177
Base weight at 0 mm stroke [g]	2.797
Supplement moved mass per 10 mm stroke [g]	38
Fastening type	With throughway bores With Accessories Selectively:
Pneumatic connection	G1/4
Flush screw material	Zinc plated steel
Cover material	Aluminium wrought alloy
Dynamic seals material	NBR TPE-U(PU)
Piston rod material	High-alloyed steel
Cylinder tube material	Aluminium wrought alloy