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AVENTICS

AVENTICS PRA SERIES PROFILE CYLINDER

PRA-0822125004
PRA Cylinder, 100mm, M20x1.5, G1/2", Stroke 100

- Ø32 – 125mm
- Connection: G1/8", G1/4", G3/8" or G1/2"
- Double acting with magnetic piston
- ISO 15552



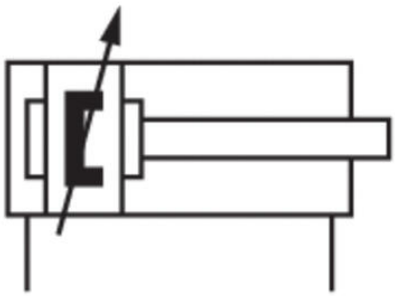
PRODUCT DESCRIPTION

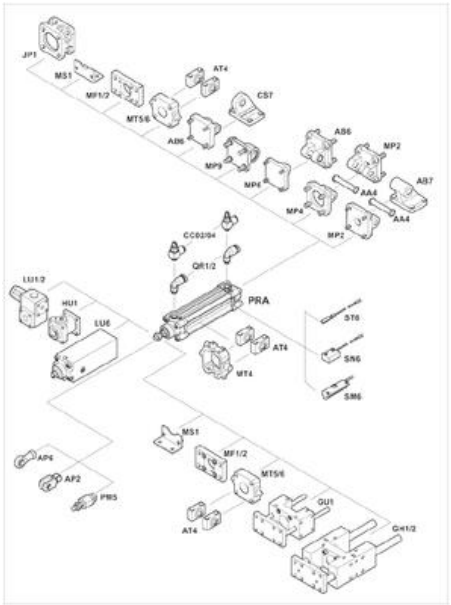
Double-acting cylinder that complies with ISO standard 15552.
This replaces previous ISO and VDMA standards and determines the installation dimensions.
This means that all makes of these cylinders are completely interchangeable, if they have the same piston diameter and stroke.
The cylinders have magnetic pistons and adjustable end position damping as standard.
The unmistakable adjusting screws for the damping are fine-threaded for precise adjustment.
There are T-slots for cylinder sensors on the sides of the cylinder tube for maximum flexibility in placement.
As an option, the PRA series is available with a "forest nose", which is a detachable piston rod seal at the front end.
Aventics Double Acting Cushioned Profile Cylinder with Magnetic Piston. PRA Seies. 32mm - 125mm Bore available with 25 Stroke to 500 Stroke.
The PRA series, with a weight-optimised profile tube, represent a consistent further development of Aventics' proven ISO cylinders with tie rods. Due to their 6 mm T-grooves and 4 mm C-grooves, a large number of sensors can be mounted easily, quickly and compactly.

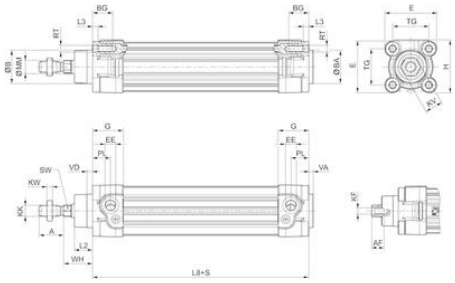
TECHNICAL DATA

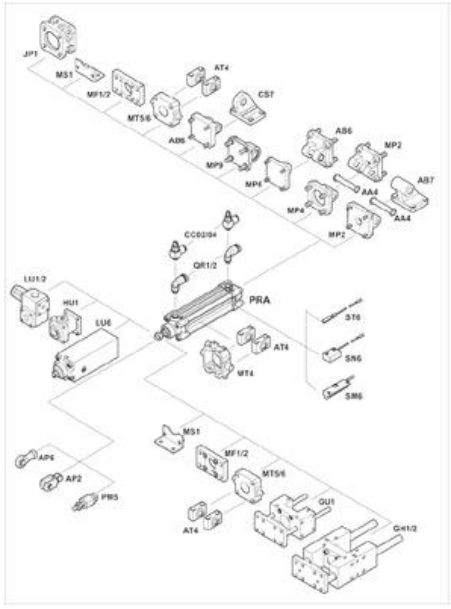
Connection air	G1/2
Cushioning energy	88 J
Cushioning length	195 mm
Extracting piston force	4945 N
Function	double acting, Magnetic piston
Material cylinder	Anodised aluminum
Material flask	Stainless steel
Material of seals	Polyurethane-based
Material piston rod	Stainless steel
Material piston rod nut	Galvanized steel
Material piston rod seal	Polyurethane-based

Material piston seal	Polyurethane-based
Material provided	Die cast aluminium
Media	Air pressure
Mounting	None
Oil content max	5 mg/m³
Operating pressure max	10 bar
Operating pressure min	15 bar
Particle size max	50 µm
Piston diameter	100 mm
Piston rod thread	M20x1.5
Retracting piston force	4635 N
Standards	ISO 15552
Stroke	100 mm
Temperature operational max	80 °C
Temperature operational min	-20 °C
Weight	351 kg








JP1
MS1
MF1/2
AT4
MT5/6
CS7
AB6
MP9
MP4
AS6
MP2
AA4
AB7
MP4
MP2
AA4
CC02/04
QR1/2
LU1/2
HU1
LU6
PRA
ST6
AT4
SN6
MT4
SM6
MS1
AP4
AP2
PB5
MF1/2
MT5/6
AT4
GU1
GH1/2