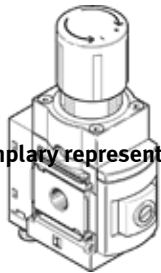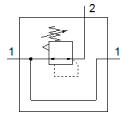# precision pressure regulator
MS6-LRPB

Part number: 535007

For manifold assembly, with G thread.

Exemplary representation

Data sheet

Overall data sheet – Individual values depend upon your configuration.

Feature	Value
Size	6
Series	MS
Actuator lock	Rotary knob with lock
Assembly position	Any
Design structure	Piloted precision diaphragm regulator
Controller function	Output pressure constant with secondary exhaust
Pressure gauge	Prepared for G1/4 Prepared for G1/8 with pressure sensor with pressure gauge
Operating pressure MPa	0.1 ... 1.4 MPa
Operating pressure	1 ... 14 bar
Pressure regulation range	0.05 ... 12 bar
Max. pressure hysteresis	0.02 bar
Flow rate, secondary venting	220 ... 900 l/min
Standard nominal flow rate	1,600 ... 5,000 l/min
Authorisation	c UL us - Recognized (OL)
CE mark (see declaration of conformity)	to EU directive explosion protection (ATEX)
UKCA marking (see declaration of conformity)	To UK EX instructions
Explosion protection certification outside the EU	EPL Db (GB) EPL Gb (GB)
ATEX category Gas	II 2G
ATEX category Dust	II 2D
Explosion ignition protection type Gas	Ex h IIC T6 Gb X
Explosion ignition protection type Dust	Ex h IIIC T60°C Db X
Explosion-proof ambient temperature	-10°C <= Ta <= +60°C
Operating medium	Compressed air in accordance with ISO8573-1:2010 [7:4:4] Inert gases
Note on operating and pilot medium	Lubricated operation not possible
Corrosion resistance classification CRC	2 - Moderate corrosion stress
PWIS conformity	VDMA24364-B1/B2-L
Storage temperature	-10 ... 60 °C
Medium temperature	-10 ... 60 °C
Ambient temperature	-10 ... 60 °C
Product weight	1,000 g
Mounting type	Front panel installation Line installation with accessories Optional
Pilot air port 12	G1/8
Pneumatic connection, port 1	G1/2

Feature	Value
Pneumatic connection, port 2	G1/2
Pneumatic connection, port 3	G1/4
Materials note	Conforms to RoHS
Material seals	NBR
Material housing	Aluminium