

Pressure regulators, Series M Plus™

R431009137

AVENTICS Series M Plus Manually operated pressure regulators



Technical data

Industry	Industrial
Type	ME-2 ME-2-F
Type	Poppet valve
Actuating element	Hand lever
Type	ME-2
Compressed air connection input	1/8-27 NPTF
Compressed air connection output	1/8-27 NPTF
Min. regulation range	0 bar
Max. regulation range	4.1 bar
Min. ambient temperature	-40 °C
Max. ambient temperature	71 °C
Min. medium temperature	-40 °C
Max. medium temperature	71 °C
Medium	Compressed air
Max. particle size	50 µm
Min. oil content of compressed air	0 mg/m³
Max. oil content of compressed air	1 mg/m³
Weight	1.2 kg

Pressure regulators, Series M Plus™

R431009137

Material

Part No.

R431009137

Technical information

The M-2 Valve is a lever-operated, 3-way pressure regulating valve. Output pressure is increased, decreased, or maintained at the out port according to lever position. Facing the lever side of the valve, clockwise lever movement increases pressure. Outlet pressure is maintained for the position in which the lever remains.

The min. control pressure must be adhered to, since otherwise faulty switching and valve failure may result!

The pressure dew point must be at least 15 °C less than ambient and medium temperature and may not exceed 3 °C.

The oil content of compressed air must remain constant during the life cycle.

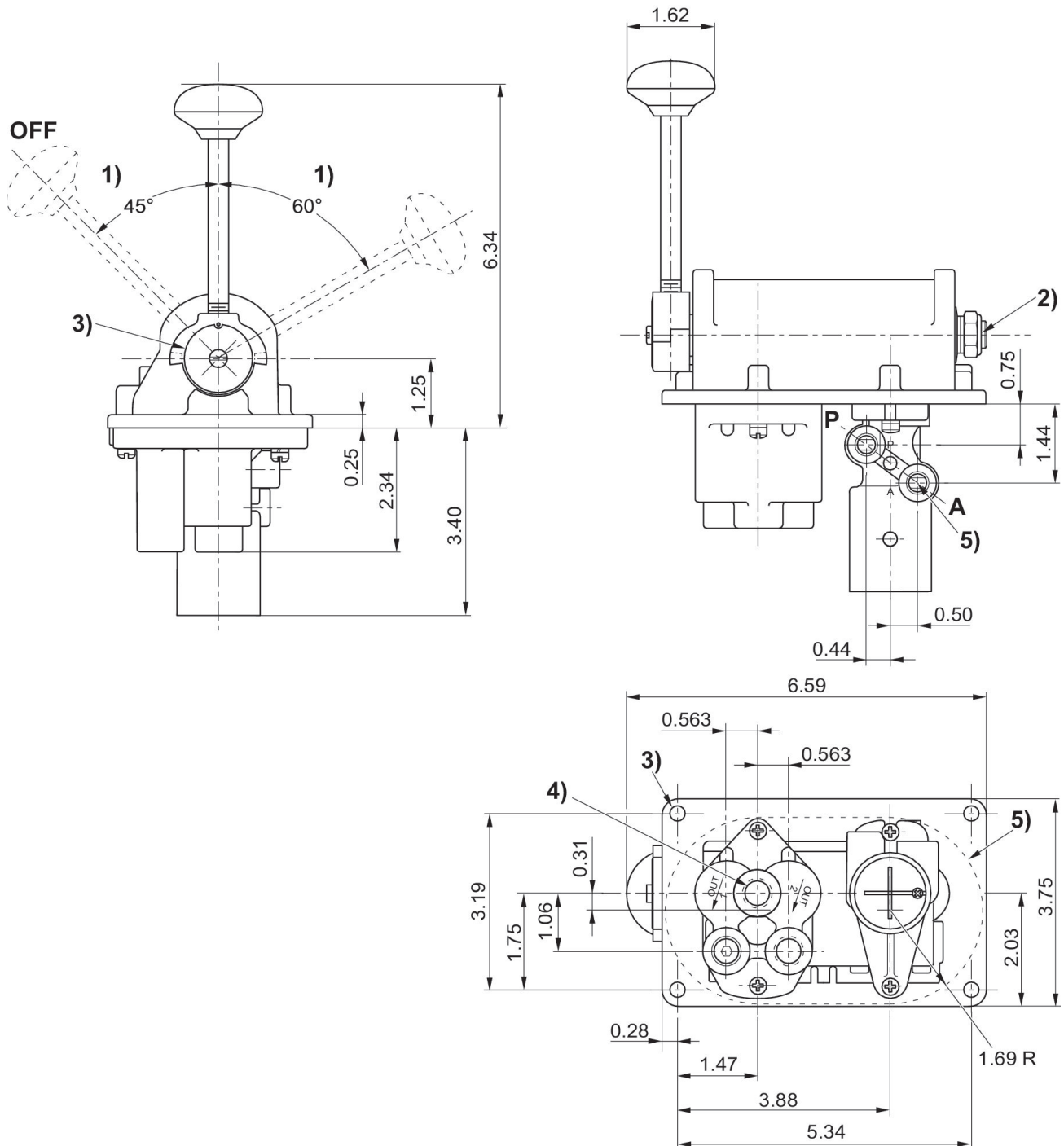
Use only the approved oils from AVENTICS. Further information can be found in the "Technical information" document (available in <https://www.emerson.com/en-us/support>).

Pressure regulators, Series M Plus™

R431009137

2026-02-19

Dimensions in inches



- 1) Pressure range
- 2) Friction brake adjustment
- 3) 0.281 diameter (4) places
- 4) 1/4 - 18 NPTF
- 5) panel mounting hole