Pressure regulator MS6-LR

FESTO

Part number: 527663



Data sheet

Overall data sheet – Individual values depend upon your configuration.

For use in the food industry Type code MS6-LR Series MS Actuator lock Rotary knob with detent Rotary knob with integrated lock can be closed with accessories Mounting position Any Design Pressure regulator with pressure gauge Pressure regulator without pressure gauge Controller function Outlet pressure compensation With primary pressure compensation With pressure gauge G1/4 prepared G1/8 prepared G1/8 prepared with pressure gauge in rotary knob Operating pressure 0.8 bar 20 bar Pressure regulation range 0.3 bar 16 bar 0.25 bar Standard nominal flow rate Type of ignition protection for gas Exh IIC T6 Gb X ATEX category for dust Explosive ambient temperature 1.0°C 18 c + 0°C Explosion prevention and protection Compressed in speril to Hill Indication possible (required for further use) Derating medium Information on operating and pilot media Operation (Sere declaration of incorporative) Corrosion resistance class (CRC) 2. Moderate corrosion stress Storage temperature -10°C 60°C	Feature	Value
Type code MS6-LR Series MS Actuator lock Actuator lock Mounting position Any Design Pressure regulator with pressure gauge Pressure regulator without pressure gauge Pressure regulator without pressure gauge Pressure regulator without pressure gauge Controller function Outlet pressure constant With primary pressure compensation With secondary exhausting Pressure gauge G1/4 prepared G1/8 prepared G1/8 prepared with pressure gauge With pressure gauge With pressure gauge O.8 bar 20 bar Pressure regulation range O.3 bar 16 bar Max. pressure hysteresis Standard nominal flow rate Z200 I/min 7500 I/min ATEX category gas Il 26 Exh IIC T6 Gb X ATEX category for dust Il 2D Type of (ignition protection for gas Exh IIIC T6°C Db X Explosive ambient temperature Lock Category for dust Explosive ambient temperature Lock Category for dust Explosive ambient temperature Lock Category Corner (AIEX) Zone 22 (AIEX) Compressed air as per ISO 8573-1:2010 [7:4:4] Inert gas Information on operating and pilot media Operation with oil lubrication possible (required for further use) Extended the protection directive (AIEX) Corrosion resistance class (CRC) 2 - Moderate corrosion stress Storage temperature -10°C 60°C	Size	6
Series MS Actuator lock Rotary knob with integrated lock can be closed with accessories Mounting position Any Design Pressure regulator with pressure gauge Pressure regulator without pressure gauge Controller function Outlet pressure constant With primary pressure compensation With primary pressure gauge and pressure gauge Fressure gauge G1/4 prepared G1/8 prepared G1/8 prepared with pressure sensor with pressure gauge with pressure gauge with pressure gauge in rotary knob Operating pressure 0.8 bar 20 bar Pressure regulation range 0.3 bar 16 bar Max. pressure hysteresis 0.25 bar Standard nominal flow rate 2200 l/min 7500 l/min ATEX category gas II 2G Type of ignition protection for gas Ex h IIC 76 Gb X ATEX category for dust II 2D Type of ignition protection for dust Ex h IIIC 76°C Db X Explosive ambient temperature 10°C <= Ta <= +60°C	For use in the food industry	See supplementary material information
Actuator lock Can be closed with accessories Mounting position Any Design Pressure regulator with pressure gauge Controller function Outlet pressure constant With primary pressure compensation With secondary exhausting Pressure gauge G1/4 prepared G1/8 prepared with pressure sensor with pressure gauge with pressure gauge in rotary knob Operating pressure O.8 bar 20 bar Pressure regulation range O.3 bar 16 bar Max. pressure hysteresis O.25 bar Standard nominal flow rate 2200 l/min 7500 l/min ATEX category gas II 26 Type of lignition protection for gas Ex h IIC T6 Gb X ATEX category for dust II 2D Type of (gnition) protection for dust Ex h IIIC T60°C Db X Explosive ambient temperature 10°C <= Ta <= +60°C Explosion prevention and protection Zone 2 (ATEX) Zone 22 (ATEX) Zone 22 (ATEX) Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Inert gas Operation with oil lubrication possible (required for further use) as per EU explosion protection directive (ATEX) Corrosion resistance class (CRC) 2 - Moderate corrosion stress Storage temperature -10°C 60°C Storage temperature -10°C 60°C	Type code	MS6-LR
Rotary knob with integrated lock can be closed with accessories Mounting position Any Design Pressure regulator with pressure gauge Pressure regulator without pressure gauge Pressure regulator without pressure gauge Controller function Outlet pressure constant With primary pressure compensation With secondary exhausting Pressure gauge G1/4 prepared G1/8 prepared G1/8 prepared with pressure gauge with pressure gaug	Series	MS
Pressure regulator with pressure gauge Pressure regulator without pressure gauge Controller function Outlet pressure constant With primary pressure compensation With secondary exhausting Pressure gauge G1/4 prepared G1/8 prepared With pressure gauge G1/8 prepared With pressure gauge With pressure gauge Operating pressure O.8 bar 20 bar Pressure regulation range O.3 bar 16 bar Max. pressure hysteresis O.25 bar Standard nominal flow rate II 2G Type of ignition protection for gas Ex h IIC T6 Gb X ATEX category for dust II 2D Type of (ignition) protection for dust Exh IIIC T60°C Db X Explosion prevention and protection Zone 1 (ATEX) Zone 2 (ATEX) Corrosion resistance class (CRC) 2 · Moderate corrosion stress Storage temperature -10°C 60°C Storage temperature -10°C 60°C Storage temperature -10°C 60°C Sulladiar on protection directive (ATEX) Corrosion resistance class (CRC) 2 · Moderate corrosion stress Storage temperature -10°C 60°C	Actuator lock	Rotary knob with integrated lock
Pressure regulator without pressure gauge Controller function Outlet pressure constant With primary pressure compensation With secondary exhausting Pressure gauge G1/4 prepared G1/8 prepared G1/8 prepared With pressure gauge in rotary knob Operating pressure O.8 bar 20 bar Pressure regulation range O.3 bar 16 bar Max. pressure hysteresis O.25 bar Standard nominal flow rate ATEX category gas II 2G Type of lignition protection for gas AEX category for dust II 2D Type of (ignition) protection for dust Exh IIIC 760°C Db X Explosive ambient temperature Explosive ambient temperature 1-10°C ← Ta ← +60°C Explosion prevention and protection Zone 1 (ATEX) Zone 2 (ATEX) Zone 2 (ATEX) Zone 22 (ATEX) Operating medium Information on operating and pilot media Operation with oil lubrication protective (ATEX) Cornosion resistance class (CRC) 2 - Moderate corrosion stress Storage temperature -10°C 60°C	Mounting position	Any
With primary pressure compensation With secondary exhausting Pressure gauge G1/4 prepared G1/8 prepared with pressure sensor with pressure gauge with pressure gauge with pressure gauge in rotary knob Operating pressure 0.8 bar 20 bar Pressure regulation range 0.3 bar 16 bar Max. pressure hysteresis 0.25 bar Standard nominal flow rate 2200 l/min 7500 l/min ATEX category gas II 2G Type of ignition protection for gas Ex h IIC T6 Gb X ATEX category for dust II 2D Type of (gnition) protection for dust Ex h IIIC T60°C Db X Explosive ambient temperature -10°C <= Ta <= +60°C	Design	
G1/8 prepared with pressure sensor with pressure gauge with pressure gauge in rotary knob Operating pressure O.8 bar 20 bar Pressure regulation range O.3 bar 16 bar Max. pressure hysteresis O.25 bar Standard nominal flow rate Z200 I/min 7500 I/min ATEX category gas II 2G Type of ignition protection for gas Ex h IIC T6 Gb X ATEX category for dust II 2D Type of (ignition) protection for dust Ex h IIIC T60°C Db X Explosive ambient temperature Ino°C <= Ta <= +60°C Explosion prevention and protection Operating medium Operating medium Operating medium Operation with oil lubrication possible (required for further use) CE marking (see declaration of conformity) as per EU explosion protection directive (ATEX) Corrosion resistance class (CRC) 2 Moderate corrosion stress Storage temperature -10 °C 60 °C	Controller function	With primary pressure compensation
Pressure regulation range 0.3 bar 16 bar 0.25 bar Standard nominal flow rate 2200 l/min 7500 l/min ATEX category gas II 2D Type of ignition protection for gas ATEX category for dust II 2D Type of (ignition) protection for dust Ex h IIIC T60°C Db X Explosive ambient temperature -10°C <= Ta <= +60°C Explosion prevention and protection Zone 1 (ATEX) Zone 2 (ATEX) Zone 2 (ATEX) Zone 22 (ATEX) Compressed air as per ISO 8573-1:2010 [7:4:4] Inert gas Information on operating and pilot media Operation with oil lubrication possible (required for further use) CE marking (see declaration of conformity) as per EU explosion stress Storage temperature -10°C 60°C	Pressure gauge	G1/8 prepared with pressure sensor with pressure gauge
Max. pressure hysteresis O.25 bar Standard nominal flow rate ATEX category gas II 2G Type of ignition protection for gas Ex h IIC T6 Gb X ATEX category for dust II 2D Type of (ignition) protection for dust Explosive ambient temperature Explosion prevention and protection Zone 1 (ATEX) Zone 2 (ATEX) Zone 21 (ATEX) Zone 22 (ATEX) Zone 22 (ATEX) Inert gas Information on operating and pilot media Operation with oil lubrication possible (required for further use) Explosion resistance class (CRC) 2 - Moderate corrosion stress Storage temperature -10 °C 60 °C	Operating pressure	0.8 bar 20 bar
Standard nominal flow rate ATEX category gas II 2G Type of ignition protection for gas Ex h IIC T6 Gb X ATEX category for dust II 2D Type of (ignition) protection for dust Ex h IIIC T60°C Db X Explosive ambient temperature -10°C (= Ta (= +60°C) Explosion prevention and protection Zone 1 (ATEX) Zone 2 (ATEX) Zone 21 (ATEX) Zone 22 (ATEX) Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Inert gas Information on operating and pilot media Operation with oil lubrication possible (required for further use) CE marking (see declaration of conformity) as per EU explosion protection directive (ATEX) Corrosion resistance class (CRC) 2 - Moderate corrosion stress Storage temperature	Pressure regulation range	0.3 bar 16 bar
ATEX category gas II 2G Type of ignition protection for gas Ex h IIC T6 Gb X ATEX category for dust II 2D Type of (ignition) protection for dust Ex h IIC T60°C Db X Explosive ambient temperature -10°C <= Ta <= +60°C Explosion prevention and protection Zone 1 (ATEX) Zone 2 (ATEX) Zone 2 (ATEX) Zone 22 (ATEX) Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Inert gas Information on operating and pilot media Operation with oil lubrication possible (required for further use) CE marking (see declaration of conformity) Corrosion resistance class (CRC) 2 - Moderate corrosion stress Storage temperature -10 °C 60 °C	Max. pressure hysteresis	0.25 bar
Type of ignition protection for gas Ex h IIC T6 Gb X ATEX category for dust II 2D Type of (ignition) protection for dust Ex h IIIC T60°C Db X Explosive ambient temperature -10°C <= Ta <= +60°C Explosion prevention and protection Zone 1 (ATEX) Zone 2 (ATEX) Zone 21 (ATEX) Zone 22 (ATEX) Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Inert gas Information on operating and pilot media Operation with oil lubrication possible (required for further use) CE marking (see declaration of conformity) as per EU explosion protection directive (ATEX) Corrosion resistance class (CRC) 2 - Moderate corrosion stress Storage temperature -10 °C 60 °C	Standard nominal flow rate	2200 l/min 7500 l/min
ATEX category for dust Type of (ignition) protection for dust Ex h IIIC T60°C Db X Explosive ambient temperature -10°C <= Ta <= +60°C Explosion prevention and protection Zone 1 (ATEX) Zone 2 (ATEX) Zone 21 (ATEX) Zone 22 (ATEX) Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Inert gas Information on operating and pilot media Operation with oil lubrication possible (required for further use) CE marking (see declaration of conformity) as per EU explosion protection directive (ATEX) Corrosion resistance class (CRC) 2 - Moderate corrosion stress Storage temperature -10 °C 60 °C	ATEX category gas	II 2G
Type of (ignition) protection for dust Ex h IIIC T60°C Db X Explosive ambient temperature -10°C <= Ta <= +60°C Explosion prevention and protection Zone 1 (ATEX) Zone 2 (ATEX) Zone 21 (ATEX) Zone 22 (ATEX) Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Inert gas Information on operating and pilot media Operation with oil lubrication possible (required for further use) CE marking (see declaration of conformity) as per EU explosion protection directive (ATEX) Corrosion resistance class (CRC) 2 - Moderate corrosion stress Storage temperature -10 °C 60 °C	Type of ignition protection for gas	Ex h IIC T6 Gb X
Explosive ambient temperature -10°C <= Ta <= +60°C Explosion prevention and protection Zone 1 (ATEX) Zone 2 (ATEX) Zone 21 (ATEX) Zone 22 (ATEX) Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Inert gas Information on operating and pilot media Operation with oil lubrication possible (required for further use) CE marking (see declaration of conformity) as per EU explosion protection directive (ATEX) Corrosion resistance class (CRC) 2 - Moderate corrosion stress Storage temperature -10 °C 60 °C	ATEX category for dust	II 2D
Explosion prevention and protection Zone 1 (ATEX) Zone 2 (ATEX) Zone 21 (ATEX) Zone 22 (ATEX) Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Inert gas Information on operating and pilot media Operation with oil lubrication possible (required for further use) CE marking (see declaration of conformity) as per EU explosion protection directive (ATEX) Corrosion resistance class (CRC) 2 - Moderate corrosion stress Storage temperature -10 °C 60 °C	Type of (ignition) protection for dust	Ex h IIIC T60°C Db X
Zone 2 (ATEX) Zone 21 (ATEX) Zone 22 (ATEX) Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Inert gas Information on operating and pilot media Operation with oil lubrication possible (required for further use) CE marking (see declaration of conformity) as per EU explosion protection directive (ATEX) Corrosion resistance class (CRC) 2 - Moderate corrosion stress Storage temperature -10 °C 60 °C	Explosive ambient temperature	-10°C <= Ta <= +60°C
Inert gas Information on operating and pilot media Operation with oil lubrication possible (required for further use) CE marking (see declaration of conformity) as per EU explosion protection directive (ATEX) Corrosion resistance class (CRC) 2 - Moderate corrosion stress Storage temperature -10 °C 60 °C	Explosion prevention and protection	Zone 2 (ATEX) Zone 21 (ATEX)
CE marking (see declaration of conformity) as per EU explosion protection directive (ATEX) Corrosion resistance class (CRC) 2 - Moderate corrosion stress Storage temperature -10 °C 60 °C	Operating medium	
Corrosion resistance class (CRC) 2 - Moderate corrosion stress Storage temperature -10 °C 60 °C	Information on operating and pilot media	Operation with oil lubrication possible (required for further use)
Storage temperature -10 °C 60 °C	CE marking (see declaration of conformity)	as per EU explosion protection directive (ATEX)
0 1	Corrosion resistance class (CRC)	2 - Moderate corrosion stress
Temperature of medium -10 °C 60 °C	Storage temperature	-10 °C 60 °C
	Temperature of medium	-10 °C 60 °C

Feature	Value
Ambient temperature	-10 °C 60 °C
Certification	c UL us - Recognized (OL)
Type of mounting	Front panel mounting Line installation With accessories Optionally:
Note on materials	RoHS-compliant
Seals material	NBR
Compressed air filter material	PE
Housing material	Die-cast aluminum
Diaphragm material	NBR
Separating disc material	РОМ