

# Diaphragm air dryer

## MS4-LDM1

Part number: 543628

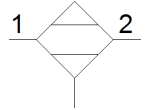
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For manifold assembly, with G thread.

Caution: In order to assure long-term trouble-free operation of the device, operating air must be pre-filtered with a 0.01 µm micro-filter (remaining particles < 0.1 µm, residual oil content < 0.1 mg per cubic meter)!



Exemplary representation



## Data sheet

Overall data sheet – Individual values depend upon your configuration.

Feature	Value
Size	4
Series	MS
Assembly position	Vertical +/- 5°
Design structure	Membrane dryer
Working pressure	3 ... 12.5 bar
Standard nominal flow rate	50 ... 100 l/min
Authorization	c UL us - Recognized (OL)
CE symbol (see declaration of conformity)	according to EU-Ex protection guideline (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	+2°C ≤ Ta ≤ +50°C
Operating medium	Compressed air in accordance with ISO8573-1:2010 [1:4:2]
Note on operating and pilot medium	Lubricated operation not possible
Pressure dew-point reduction	20 K
Corrosion resistance classification CRC	2 - Moderate corrosion stress
PWIS conformity	VDMA24364-B1/B2-L
Storage temperature	-20 ... 60 °C
Food-safe	See Supplementary material information
Air purity class at output	Compressed air to ISO8573-1:2010 [1:3:2]
Medium temperature	2 ... 50 °C
Ambient temperature	2 ... 50 °C
Mounting type	Line installation with accessories Optional
Materials note	Conforms to RoHS
Material housing	Aluminum die cast
Material bowl	Wrought Aluminum alloy