

Solenoid Valves

Fluid Technology

Compact 10 mm oxygen valve of the 63.1 series

Reliable handling of O₂ in critical applications

The 10 mm solenoid valve of the 63.1 series has now been updated for the energy-efficient and silent switching of medical oxygen (O₂). With a flow rate of up to 30 l/min air and a lifetime of up to 50 million switching cycles, this valve meets the high demanding requirements of the medical and analytical technology market.

The compact, low-cost design and the possibility of customizing this type to customers' needs make it easy to integrate this valve into existing applications.



Characteristics

- Designed as an O₂ valve for use in ventilators/ anesthesia machines
- Flexible adaptation of technical properties possible on request
- Produced under the requirements of oxygen compatibility according to ISO 15001
- All materials are UL and CSA listed

Technical data	10 mm solenoid valves, Series 63.1 in oxygen compliant version
Nominal voltage (U _{Nom})	24 V DC or 12 V DC
Power consumption (P _{Nom})	1 W
Pressure range (p)	0...10 bar
Orifice size	up to 1.0 mm
Flow (air)	up to 30 l/min
Kv-value	0.33 l/min (0.020 m ³ /h)
Materials in contact with oxygen	Housing: PBT, seals: NBR; others on request
Protection classification	IP 40
Pneumatic connection	Flange
Electrical connection	Pins, wires or plug
Functions	3/2-way and 2/2-way in NC/NO
Lifetime	50 Mio. switching cycles (tested under lab conditions)
Dimension (h x w x d)	32 mm x 10 mm x 16 mm (pin version)

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