

Solenoid Valves

Fluid Technology

Fluid Isolation Solenoid Valves Series 97

High flow rates and optimal media resistance

Discover our direct operated fluid isolation solenoid valves Series 97, which is convinced through their compact design and realizable high flow rates. Due to the pressure compensated design these valves have a low power consumption compared to the orifice size of 3.5 mm (depending on pressure range). The flow optimized inner design ensures good flushing properties in e.g. cleaning processes.

Materials in contact with the medium as well as electrical and pneumatic connections can be adapted according to customer requirements.



Properties

- High flow rates (orifice of 3.5 mm)
- Pressure compensated design for low power consumption
- Good flushing properties
- Adaption of technical data on request
- Applications in e. g. Medical Technology, Analysis Technology and Machine Building

| Technical Data | Fluid Isolation Solenoid Valve Series 97 |
|---------------------------------|---|
| Nominal voltage (U_{nom}) | 24 V DC or 12 V DC |
| Power consumption (P_{nom}) | ≤ 4.6 W |
| Pressure range (p) | -0.9...3.5 bar (up to 8 bar on request) |
| Orifice size | approx. 3.5 mm |
| Kv-value | max. 3.5 l/min |
| Materials in media contact | Sealings: either EPDM, NBR or FKM; Housing: PPSU or PA Materials listed according to FDA and UL, drinking water approval KTW/W270 |
| Protection classification | IP 65 (with plug-in socket and occupied pneumatic connections or leads) |
| Pneumatic connection | Flange or push-in connectors (either 4 mm or 6 mm) |
| Electrical connection | Flat plug receptacles 6.3 x 0.8, industry standard fitting plug-in connector type B according to EN 60529 (not included in delivery) or leads |
| Functions | 3/2 way NC/NO, 2/2 way NC/NO, 3/2 way multifunctional |
| Dimensions (h x w x d) | 68 mm x 22 mm x 30 mm (flange version) |
| Nominal voltage (U_{nom}) | 24 V DC or 12 V DC |

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