

Filter regulator LFR-...-EX4

FESTO



With high flow rates!

Highlights

- Sturdy thanks to full metal design
- Corrosion resistance – CRC3
- For extreme temperatures: -40 ... +80 °C
- UV-resistant
- ATEX-compliant for zones 1, 2, 21 and 22
- Reliable manual drain
- Energy efficient: excellent leakage values
- Attractively priced!

Hard-wearing, robust and powerful: LFR-...-EX4 is ideal for use in **corrosive outdoor environments**, for example in the **chemical industry**. The new filter regulator is initially available in the sizes **1/4" and 1/2"** with **G or NPT thread** – as an **individual component or in combination with process valve units**.

Temperature- and corrosion-resistant

Thanks to the metallic bowl design the filter regulator can withstand the harsh conditions of outdoor environments. The housing and the external parts have specially coated surfaces which meet the requirements of CRC3. And with a temperature resistance of -40 to +80 °C, it also works reliably at extreme conditions.

Powerful and reliable operation

The new filter regulator has an outstanding flow rate of up to 3.400 l/min! Leakage at low temperatures is very minimal, thus resulting in good energy efficiency, while maintenance is very easy. A self-locking nut in the stable manual drain prevents the medium from falling out when draining.

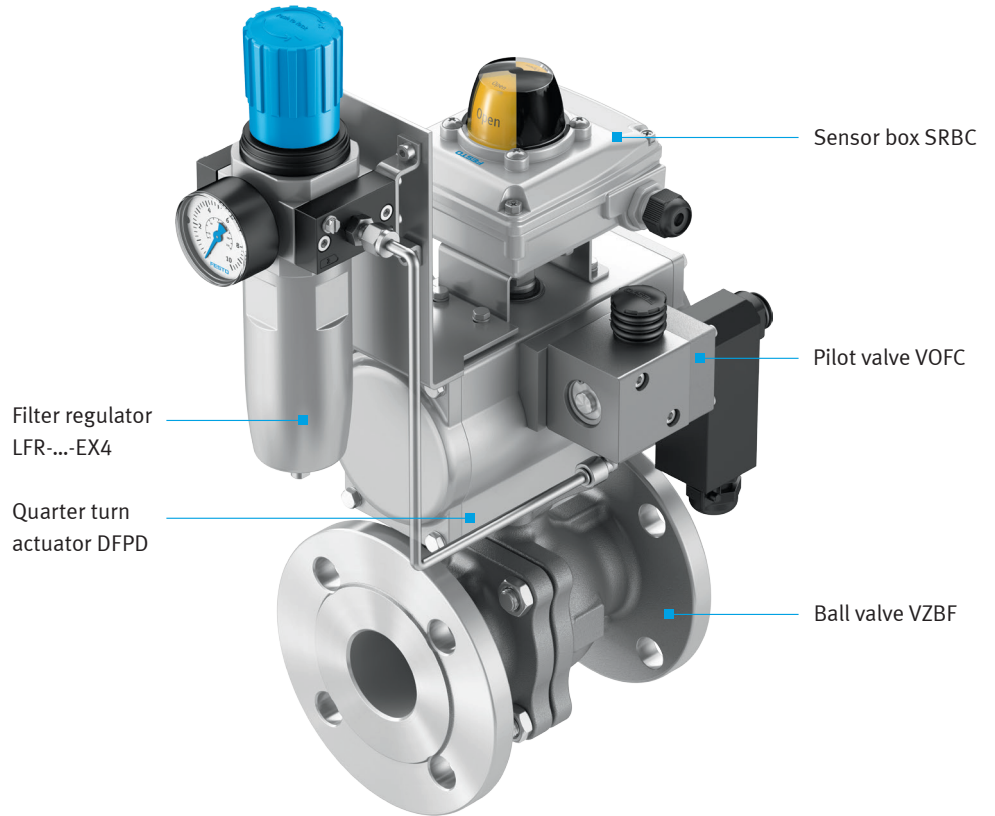
Safe: explosion protection included

LFR-...-EX4 is suitable for use in hazardous locations, that means explosive atmospheres zones 1, 2, 21 and 22.

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Full selection of process valves available for complete automation

Total process safety because everything fits perfectly: a matching, wide range of process valves, quarter turn actuators, pilot valves, sensor boxes and positioners. The filter regulator can be quickly and easily mounted on the quarter turn actuator thanks to the mounting bracket. Festo can thus offer the right solution for just about every application. Ask our experts!



| Technical data | |
|------------------------------|--|
| Pneumatic port | 1/4" and 1/2" with G and NPT thread |
| Flow rate | 1.600 ... 3.400 l/min |
| Operating medium | Compressed air to ISO 8573-1:2010;[-9-] |
| Operating pressure p1 | 1 ... 20 bar |
| Pressure regulation range p2 | |
| LFR-...D-...O-MIDI-...EX4 | 0.5 ... 12 bar |
| LFR-...D-16-...O-MIDI-...EX4 | 0.5 ... 16 bar (at +60 °C ... +80 °C: p2 = max. 12 bar) |
| Temperature range | |
| LFR-...D-...O-MIDI-T18-EX4 | -20 ... +80 °C |
| LFR-...D-...O-MIDI-T3-EX4 | -40 ... +80 °C |
| Grade of filtration | 5 µm 40 µm |
| Condensate drain | Manual rotary |
| Corrosion resistance class | CRC3 |
| Certification | ATEX II 2GD |
| Materials | |
| Housing | Die-cast zinc |
| Bowl | Wrought aluminium alloy |
| Accessories | Filter cartridges (5 and 40 µm) Pressure gauge (0 ... 16 bar and 0 ...25 bar) Mounting bracket |

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