Armaturen GmbH

Product information

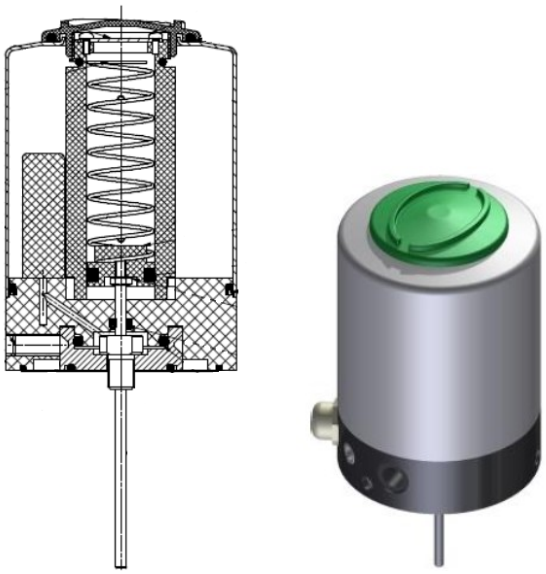
Automation feedback– and control head

M&S feedback– and control heads TOP are used to control and actuate process valves. They are designed as an add-on module for the pneumatic actuator PAMS.

The valve position is detected via magnetic proximity sensors. The integrated solenoid valve controls single-acting actuators. For double-acting actuators, two pilot valves control the actuator.

In addition to the electrical position feedback, the valve position on the control head itself can be clearly recognised optically by coloured high-performance LEDs, even under difficult ambient conditions.

Feedback– and control head section



Feedback– and control head

Usage | Features | Versions

- For recording and controlling of the valve position (open/closed).
- For protected accommodation of the end position feedback signals and the solenoid valves.
- Visual coloured LED display for the respective switching position of the valve.

Usage | **Features** | Versions

- Simple retrofitting to all M&S actuators.
- Easy to install, simple adaption (fig. 2).
- No adjustment required for M&S actuators.
- Adapters for using on other brands available on request.
- Water-protected sealing between head an actuator by O-rings.
- Visual position indication by coloured high-power LEDs.
- Integrated pilot air supply into the actuator.
- User-friendly connection technology.

M&S Armaturen GmbH
Industriestraße 24-26 ● 26446 Friedeburg ● Germany ● fon +49 4465 807-0 ● fax +49 4465 807-40 ● info@ms-armaturen.de ● www.ms-armaturen.de

Usage | Features | Versions

Assembly / mounting (fig. 2)

- The adapter (1) is screwed into the upper compressed air connection G1/8“ of the pneumatic actuator with the banjo screw (10).
- The adapter (1) is sealed by the O-Ring (20).
- The contact rod of the control head is inserted through the mounted banjo screw (10) and pressed down to the actuator.
- The control head is fixed to the adapter (1) by three lateral mounted setscrews (8).
- The control head is sealed to the actuator by an additional O-ring.
- The control head can now be connected pneumatically and electrically.

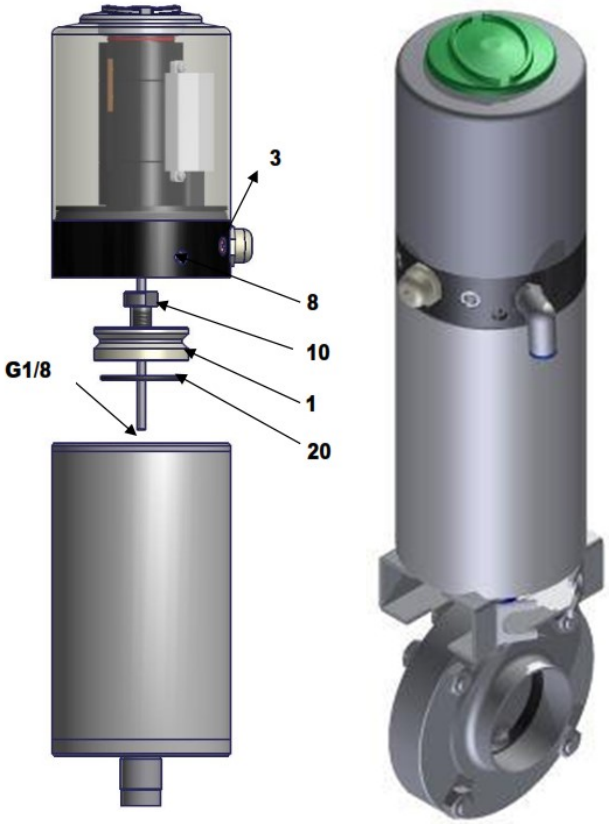


Fig. 2

Usage | Features | Versions

- Materials
  - Bonnet 1.4301/AISI 304, LED cover plastic (acid and alkali resistant)
  - Base plate POM plastic (acid and alkali resistant)
  - Screw-in parts 1.4301/AISI 304
- Protection class
  - IP 65
- Connections
  - Push-in air connection 6 mm
  - Cable gland M16x1,5, optionally M12 5-pole (plug-in connection)
- Visual LED signal display
  - Valve closed: red
  - Valve open: green
- Operating pressure
  - 4,8 - 8,0 bar
- Operation temperature
  - +1 C° to max. +60 C°

M&S Armaturen GmbH
Industriestraße 24-26 ● 26446 Friedeburg ● Germany ● fon +49 4465 807-0 ● fax +49 4465 807-40 ● info@ms-armaturen.de ● www.ms-armaturen.de