

The **vent-captor 3204.xx** is a solid-state flow monitoring device for use in industrial airhandling applications. The vent-captor is a self-contained switch without any mechanical moving parts. The stainless steel housed vent-captor type 3204.xx is most suitable for use under pressure conditions.

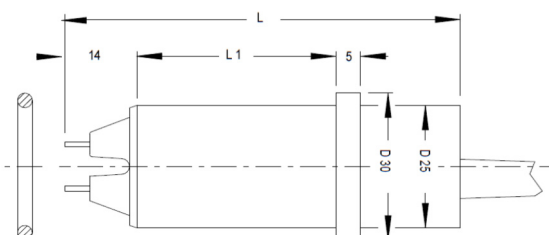
- Precise switching flow monitor for gaseous media
- Set-point adjustable from 1 m/s to 10 m/s
- Operates on the calorimetric principle without moving parts
- Temperature independent
- Universally applicable
- LED-display for output status
- **ISO 9001 : 2008**



| Technical Data                  |                                                       |                         |                              |                         |                                |                           |
|---------------------------------|-------------------------------------------------------|-------------------------|------------------------------|-------------------------|--------------------------------|---------------------------|
| Type                            | 3204.xx                                               |                         |                              |                         |                                |                           |
| Medium                          | gaseous media                                         |                         |                              |                         |                                |                           |
| Sensor Data *1                  |                                                       |                         |                              |                         |                                |                           |
| Switching range                 | 1 m/s to 10 m/s, continuously adjustable              |                         |                              |                         |                                |                           |
| Factory setting                 | Approx. 3 m/s                                         |                         |                              |                         |                                |                           |
| Medium temperature              | -20 °C to +70 °C                                      |                         |                              |                         |                                |                           |
| Ambient temperature             | -20 °C to +70 °C                                      |                         |                              |                         |                                |                           |
| Pressure                        | max .10 bar                                           |                         |                              |                         |                                |                           |
| Response time                   | Min. 3 s / max. 100 s depends on set-point adjustment |                         |                              |                         |                                |                           |
| Temperature drift               | < 0,5 % / K                                           |                         |                              |                         |                                |                           |
| Repeatability                   | < 3%                                                  |                         |                              |                         |                                |                           |
| Hysteresis                      | < 30%                                                 |                         |                              |                         |                                |                           |
| Mechanical Data                 |                                                       |                         |                              |                         |                                |                           |
| Protection class                | IP 64                                                 |                         |                              |                         |                                |                           |
| Material sensor probe           | Ceramic                                               |                         |                              |                         |                                |                           |
| Material housing                | Ultradur (PBTP), Stainless steel WN 1.4305 (AISI 303) |                         |                              |                         |                                |                           |
| Mounting accessories            | Union nut G1A, SW 37 mm (WN 1.4305 / AISI 303)        |                         |                              |                         |                                |                           |
| Electrical connection           | 2 m oilflex cable / 3 x 0,5 mm²                       |                         |                              |                         |                                |                           |
| Body dimensions                 | Standard version: Ø 25 x 78 mm (D x L)                |                         |                              |                         |                                |                           |
| Electrical Data                 |                                                       |                         |                              |                         |                                |                           |
| Type                            | 3201.00                                               | 3201.01                 | 3201.02                      | 3201.03                 | 3201.50                        | 3201.51                   |
| Electrical output without flow: | NPN n.c.<br>current-carrying                          | NPN n.o.<br>currentless | PNP n.c.<br>current-carrying | PNP n.o.<br>currentless | Thyr. n.c.<br>current-carrying | Thyr. n.o.<br>currentless |
| Operating voltage               | 24 VDC +10% / -15%, Ripple < 20%                      |                         |                              |                         | 115VAC or 230VAC +6% / -15%    |                           |
| Switching current               | Max. 500 mA                                           |                         |                              |                         | Max. 200 mA                    |                           |
| Starting override time          | Max. 90 s                                             |                         |                              |                         |                                |                           |

\*1 all data related to medium air

Abmessungen



connection diagram

