TECHNICAL INFORMATION

vent-captor Type 3202.0-

- Compact flow monitor
- Sensor for monitoring air or gaseous media in automation processes.
- No moving parts
- Long-life irrespective of switching frequency
- Easy to install
- Switching point adjustable between 0,5 m/s and 20 m/s

The vent-captor type 3202.0- is a solid-state flow monitor for air and gaseous media in industrial applications.

Being totally encapsulated in epoxy resin with no moving parts, this small, compact unit operates with high precision and high repeatability in the most harsh industrial environments.

The construction and design of the vent-captor ensures a long, maintenance-free life. The vent-captor is easy to install by the flange supplied. The vent-captor operates on a new developed measuring principle based on the calorimetric principle.

The vent-captor type 320**5.-** in metal housing is particularly suitable for high pressure conditions.

Sensing data

Medium	Gaseous
Measuring range	0,5 m/s to 20 m/s
Adjustment characteristic	Logarithmic to flow speed
Repeatability tolerance of set point	< 3 %
Hysteresis	< 20 %
Switching delay	Approx. 2s with change of flow more than 2 m/s below or above set-p.
Temperature drift	< 0,3 % / K

NOTE: All data referring to air

weber
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vent-captor

Type 3202.0- / 3205.0-
compact air flow switch

Typical application examples:

The vent-captor can be applied wherever gaseous medium operates in industrial applications; e. g. air conditioning, ventilation, air filter monitoring, extraction fans, blowers, damper regulators and controlling air flow rates in energy conservation systems. The vent-captor is also ideal for monitoring air flow in thyristor cabinets, motor/generators and shipping containers.

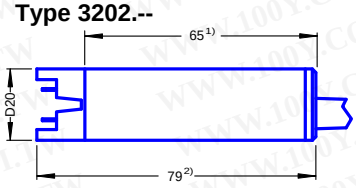
Electrical data

Power supply	24 VDC + 30% / – 32,5%
Switching current	max. 200mA
Power consumption	approx. 800 mW – 1,3W (at max. flow)
Starting override time (independly. from switch-point)	approx. 30s at 0,5 m/s to approx. 5s at 20 m/s*
Electrical output at no flow	3202.00 NPN n. c. (current-carrying) 3202.02 PNP n. c. (current-carrying) 3202.01 NPN n. o. (currentless) 3202.03 PNP n. o. (currentless)

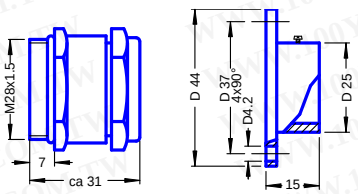
Connection diagram

Material	Sensor probe	Housing
	Ceramic with overglaze	Ultradur (PBTP)
Medium temperature	- 20°C to + 70°C	
Ambient temperature	- 20°C to + 70°C	
Electrical connection	2 m moulded oilflex cable 3 x 0,5 mm²	
Protection class	IP 64	
Mass	130 g	

Dimensions in mm
Type 3202.--



Mounting accessories

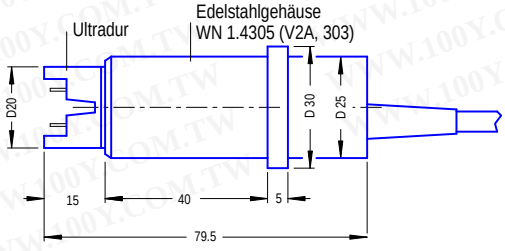


*** Type 3203.--**
Techn. data as 3202.--
Starting override time approx. 30s

Extended housing
Type 3202.—NMA, 3205.-- NMA on request standard
Length: 1) 75 mm
2) 89 mm

*** Type 3206.--**
Techn. data as 3205.--
Starting override time approx. 30s

Type 3205.--
Techn. data as 3202.--
Pressure max. 10 bar (1000 kp)
Mounting with union nut
G1A, SW 37 mm, DIN 259, ISO 228
Mass approx. 200g



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