

SMW 100

- FDA / EHEDG conform
- Monitoring sensor for orbital tank cleaners
- Monitoring for rotating cleaners
- High Process safety



- Cost-effective acquisition/installation
- Reliable measuring principle
- Extensive evaluation possibilities
- Highest hygienic standard
- Wetted parts made of PEEK
- Easy retrofitting for existing cleaners
- Welding adapter included in delivery

The SMW 100 is a sensor for monitoring rotating cleaning equipment. During operation, the liquid distribution of a cleaning nozzle is continuously checked. In the process, a permanent status signal is output to a control unit. The patented SMW 100 sensor is unique in its mode of operation. The sensor works according to a capacitive measuring principle and is thus able to indicate faulty behaviour during the cleaning process within a very short time. If, for example, no liquid jet passes the sensor or no liquid surge occurs within a time of 20 seconds, the sensor emits an error signal. Optionally, the system can be configured with advanced electronics to detect each individual liquid jet. For example, the path of each individual nozzle of an orbital cleaner can also be detected.

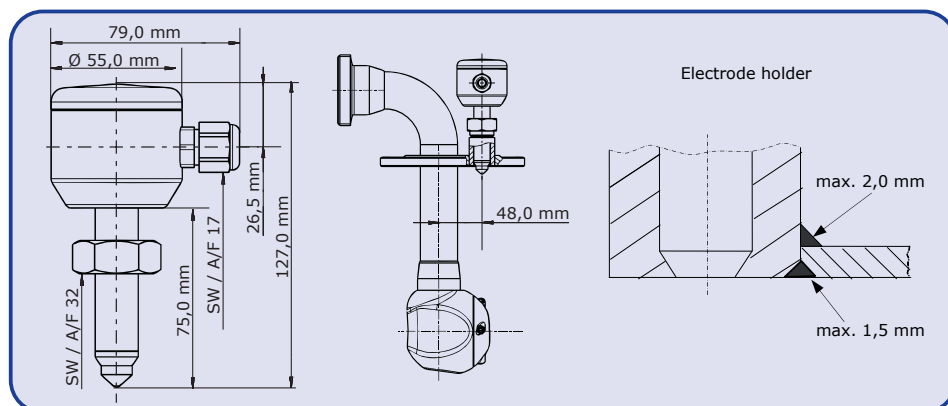
The SMW 100 is suitable for monitoring the latest generation of orbital cleaners. These include Cyclone, Twister, Typhoon, Tempest, Tornado 2, Tornado 4, Torrent and TMC. The intelligent measuring principle of the SMW 100 also enables the monitoring of slowly rotating spray balls. The spray balls of the Turbo SSB series can be monitored with the SMW 100. The SMW 100 is FDA and EHEDG compliant and is mounted on a flange or in the tank wall in an extremely hygienic way tank wall. By using an SMW 100 in a production plant, a high degree of process safety can be achieved. We offer an innovative range of solutions.

Alternatively, consider our product Vericlean for monitoring our orbital cleaners up to the monitoring of many components involved in the cleaning process components involved in the cleaning process.

Technische Daten:

Working pressure:	max. 10 bar
Materials:	1.4305, PEEK
Supply voltage:	18...32 V DC
Power requirement:	< 20 mA
Output signal active:	max. 50 mA PNP
Switch-on delay:	< 0,3 s
Response time:	< 75 ms
Protection class:	IP 65/67
Rated temperature:	25°C / 77 °F
Head interior temperature:	-10 ... +70°C (14 ... 158°F)
Medium temperature durable:	0...100°C (32 ... 212 °F)
CIP-/ SIP – cleaning temperature:	0...150°C (32 ... 302 °F), max. 30Min.

Use in water and water-based cleaning media:
 Kinematic viscosity: 1,004x10 m²/s
 Conductivity: 0,05 S/m



Tempest with monitoring sensor SMW 100



Article numbers:
 with weld-in sleeve 222-000015
 without weld-in sleeve 222-000013

The data, technical data and information presented do not release the user from the obligation to check the suitability of the products supplied for the intended application. All information is without guarantee. (Status: 28.02.2022-71427321893-1888948-71042)