

FLOWJAM

BULK FLOW DETECTION



The FlowJam detects solid streams of all kinds of material distinguishing between material flow and material at a standstill

FEATURES AND BENEFITS

- Absolutely insensitive against material deposits
- For any line diameter
- With adapter, usable up to 220°C and 20 bar
- With ceramic mounting, usable up to 1.000°C
- Compact (no separate electronics)
- Signalling through relay switching
- Different sensitivity levels
- Detection through all non-conductive walls
- Can also be supplied with short housing and separate electronics
- Detection of material clogging and material standstill



TECHNICAL SPECIFICATIONS

Housing material	Stainless steel 1.4571
Protection type	IP 65
Process temperature	-20 ... +80°C -20 ... +220°C (with process adapter) Max. 1000°C (with ceramic flange)
Ambient temperature	-20 ... +60°C
Working pressure	Max. 1 bar Max. 20 bar (with process adapter)
Power supply	24 V DC/AC ± 10%
Relay contact	Max. rated load: 250 V AC Max. peak current: 6 A Max. rated load 230 V AC: 250 VA Max. breaking capacity DC1: 3/110/220 V: 3/0.35/0.2 A Min. switching load: 500 mW (10 V/5 mA)
Response time	250 ms ... 15 s (continuously adjustable)
Measuring frequency	24.125 GHz; ±100 MHz
Transmitting power	Max. 5 mW
Weight	1.0 kg
Dimensions	Housing: length of 216 mm / diameter of 52 mm Thread: length of 30 mm / diameter of G 1½"

USE WITH PRESSURE ADAPTER / TEMPERATURE ADAPTER

The FlowJam sensor itself can be used at pressures of up to 1 bar and process temperature of up to 80°C.

For higher pressure an adapter from POM (20 bar); for higher temperature there is an adapter from Tecapeek (to 220°C) and a ceramic adapter (+1000°C) available. A process adapter for applications in the food industry is also available.

MOUNTING OF PRESSURE ADAPTER / TEMPERATURE ADAPTER

The mounting of the pressure adapter/ temperature adapter is identical. It is screwed into a welded G 1½ inch thread neck, provided by the customer.

Only the ceramic adapter is supplied as a flange and must be mounted separately. The housing of the FlowJam is screwed into the internal thread of the adapter.

TECHNICAL DATA

	Pressure adapter	Temperature adapter	Food adapter	High temperature adapter
Material	Stainless steel 1.4571 POM diaphragm	Stainless steel 1.4571 Tecapeek diaphragm	IP 65	Steel Ceramic diaphragm
Temperature	-20 ... +80°C	Max. +220°C	Max. +220°C	Max. 1000°C
Pressure	Max. 20 bar	Max. 20 bar	Max. 20 bar	Max. 40 bar
Thread	G 1½" on both sides	G 1½" on both sides	G 1½" on both sides	G 1½" on sensor side
Wrench width	55 mm	55 mm	55 mm	17 mm