

# FLOWJAM PLUS

MATERIAL FLOW MONITOR WITH **BLOCKAGE DETECTOR**



The FlowJam Plus provides rapid detection of material movement (Flow/NoFlow), plus an additional "Detection of blockage" function

## FEATURES AND BENEFITS

- Operates without contact using microwaves
- A particularly reliable device since microwaves can pass through material accumulations
- Measurement can be taken from outside all non-metallic tank walls, housings, hose lines or pipelines
- Can be used even in difficult conditions, in other words high operating temperatures and pressures and in version for Atex zones (with the help of a processadapter)



certified to ATEX

# FlowJam Plus

MATERIAL FLOW MONITOR WITH BLOCKAGE DETECTOR



## TECHNICAL SPECIFICATIONS

Sensor	
Housing material	Stainless steel 1.4571
Protection type	IP65
Using in Ex-zones	Outside pipe: Cat. 3D Inside pipe: Cat. 1/3D (only with process adapter)
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)
Measuring frequency	24.125 GHz; $\pm 100$ MHz
Transmitting power	Max. 5 mW
Weight	Approx. 560 g
Dimensions	Housing: Length 107 mm / Diameter 52 mm Thread: Length 30 mm / Diameter G 1½"
Transmitter (DIN Rail)	
Power supply	24 V DC $\pm 10\%$
Power consumption	Approx. 3.5 W
Ambient temperature	-20 ... +60°C
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)
Communication	USB
Weight	Approx. 172 g

## USE FOR SEPARATION OF EXPLOSIVE AREAS

The pressure, the temperature and the food adapter can be used for the separation of explosion areas (dust).

With use of the process adapter in combination with the FlowJam - Plus it can be measured from outside into dust explosion area 22..

## TECHNICAL DATA

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

