

Air detection sensor basic 2,5" , type 6703-21

- Sensor for continuous detection of air bubbles in milk.
- This sensor has a compact and robust design.
- It's clamp connection offer best possibilities for fitting and maintenance.



Description

The air detection sensor basic 2.5" is used for online detection of undissolved air components when receiving milk.

The sensor type 6703-21 is suitable for the application in stationary and mobile systems and it is CIP-cleanable.

The air detection sensor basic 2.5" is mounted directly into the milk intake line using a service-friendly clamp connection on the welding socket.

The reaction time of the air detection sensor basic 2.5" is in the millisecond range.

Function

The function of the air detection sensor basic 2.5" is based on a conductivity measurement between the pipe wall and the electrode, which is located in the middle of the pipe.

The geometric arrangement enables the proportion of air to be measured. The electronic measuring process enables a very fast response time.

The air detection sensor basic 2.5" signals via an analog output when there is milk in the pipe.

Advantages

- Hygienic design of the sensor head
- CIP-cleanable
- Very robust
- Compact design
- Fast reaction time

Technical Data											
Electrical Data											
Operating voltage	DC 24 V (+ 10 ... - 20 %), 50 mA										
Connection	Cable 5 m (conductor and sleeves)										
Output milk sensor (U-Milk)	Analog 0,0 ... 2,3V										
Measuring range	0 ... 5% air content (with a homogeneous liquid)										
AC voltage of milk sensor	12 V AC, approx. 1,5 kHz										
Ambient conditions											
Operating temperature/sensor element	- 20 ... + 60 °C/ briefly up to + 80 °C										
Storage temperature	- 30 ... + 70 °C										
Protection type	IP 65										
Mechanical Data											
Weight	0,5 kg										
Casing	V _{2A} 1.4301										
Assembly	Clamp DN 20										
Installation											
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Order designations											
Designation	Order number										
Air detection sensor basic 2,5", type 6703-21	418062										
Accessories (not included in the scope of delivery)											
Welding socket DN 20, type 6701-00-024	322490										
Double joint clamp DN 20	216815										
Clamp flat gasket DN 20 EPDM	216816										
O-ring gasket 12,0 x 3,0 VMQ 70 FDA	335326										