



Reliable

Tracks total process level and interface level

Cost effective

Reduced maintenance costs due to no mechanical moving parts

User friendly

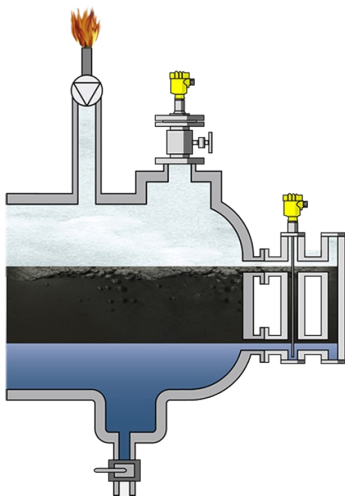
Easily fit within mounting constraints

Flare knockout drum

Level measurement in the flare knockout drum

The flare knockout drum requires continuous, accurate level monitoring to keep liquids from reaching the flare and creating a potential fire hazard. In order to ensure safety of process by performing this critical measurement, the total process level over the span of the drum needs to be tracked and continuously reported to the operator for proper control. For measurement in the sump of the flare knockout drum, the sensor provides exact position of interface.

[More details](#)



VEGAPULS 6X

Radar sensor for continuous level measurement over the span of the knockout drum

- Continuous, quick and exact measurement enable an excellent process control
- Ball valve provides the ability to remove the device without emptying the sphere
- Very good signal focussing ensures accurate measurement even through a ball valve

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VEGAFLEX 81

Guided wave radar sensor with bridle chamber for interface measurement

- Immune to mechanical failure due to non-moving parts
- Low maintenance requirements reduce downtime and operating cost
- Bridle can be easily isolated to allow easy service without interrupting the process

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PRO

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Measuring range - Distance
120 m

Process temperature
-196 ... 450 °C

Process pressure
-1 ... 160 bar

Accuracy
± 1 mm

Frequency
6 GHz
26 GHz
80 GHz

Beam angle
≥ 3°

Materials, wetted parts
PTFE
PVDF
316L
PP
PEEK

Threaded connection
≥ G¾, ≥ ¾ NPT

Flange connection
≥ DN20, ≥ ¾"

Hygienic fittings
Clamp ≥ 1½" - DIN32676, ISO2852
Slotted nut ≥ 2", DN50 - DIN 11851
Varivent ≥ DN25
hygienic fitting with tension flange DN32
hygienic fitting F40 with compression nut
Hygienic screw connections ≥ DN50 tube ø53 - DIN11864-1-A
Hygienic flange connection ≥ DN50 DIN11864-2
Hygienic clamp connection ≥ DN50 pipe Ø53 - DIN11864-3-A
DRD connection ø 65 mm
SMS 1145 DN51

VEGAFLEX 81

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Measuring range - Distance
75 m

Process temperature
-60 ... 200 °C

Process pressure
-1 ... 40 bar

Accuracy
± 2 mm

Version
Basic version for exchangeable cable ø 2; ø 4 mm
Basic version for exchangeable rod ø 8 mm
Basic version for exchangeable rod ø 12 mm
Coax version ø 21.3 mm for ammonia application
Coax version ø 21.3 mm with single hole
Coax version ø 21.3 mm with multiple hole
Coax version ø 42.2 mm with multiple hole
Exchangeable rod ø 8 mm
Exchangeable rod ø 12 mm
Exchangeable cable ø 2 mm with gravity weight
Exchangeable cable ø 4 mm with gravity weight
Exchangeable cable ø 2 mm with centering weight
Exchangeable cable ø 4 mm with centering weight
Exchangeable cable ø 4 mm without weight
exchangeable, PFA-coated cable ø4 mm with non-coated centering weight

Materials, wetted parts
PFA
316L
Alloy C22 (2.4602)
Alloy 400 (2.4360)
Alloy C276 (2.4819)
Duplex (1.4462)
304L

Threaded connection
≥ G¾, ≥ ¾ NPT

Flange connection
≥ DN25, ≥ 1"

Seal material
EPDM
FKM
FFKM
Silicone FEP coated
Borosilicate glass

Housing material
Plastic
Aluminium
Stainless steel (precision casting)
Stainless steel (electropolished)