



### Reliable

Tracks total process level and interface level

### Cost effective

Reduced maintenance costs due to no mechanical moving parts

### User friendly

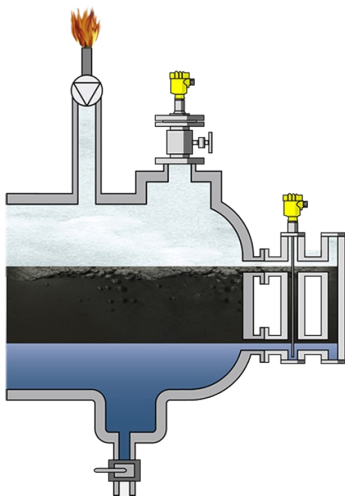
Easily fit within mounting constraints

## 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

[Show Product](#)



### 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

**VEGAPULS 6X**[Show Product](#)**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

PRO

**VEGAFLEX 81**[Show Product](#)**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)