



### Reliable

Tracks total process level and interface level

### Cost effective

Reduced maintenance costs due to no mechanical moving parts

### User friendly

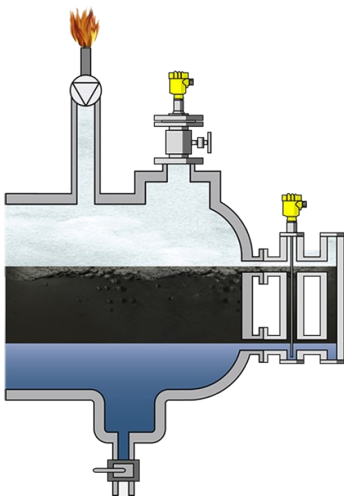
Easily fit within mounting constraints

## 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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## VEGAPULS 6X

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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

PRO

## 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)