VEGAPASS 81

Bespoke Instrument Bypass Chamber for VEGAFLEX GWR Transmitter



Application Area

The VEGAPASS 81 is a custom designed bypass chamber for use with our VEGAFLEX and VEGASWING instruments for continuous and point level measurement.
Chambers are manufactured in the UK and engineered to suit the requirements of arduous process conditions and reliable instrument performance.

Design and Approvals

Design Codes	ASME or AD2000
Hazardous Area	ATEX
PED	2014/68/EU
Safety	SIL2/3

Benefits

- Chamber and Instrument supplied as a package
- Each chamber engineered to your exact requirement
- Engineering drawings are supplied as part of the design package
- Industry leading delivery times
- SIL2 Approval (SIL3 with redundancy)

Technical Data

Construction	Butt or slip-on weld flanges
Pressure Ratings	-1 ... +400 Bar
Process Temperature	-196 ... +450°C
Overall Length	Up to 6m in one section
Available options	Drains, vents and valves

Materials

Carbon steel, St/St, Duplex F51/F53, Monel, Hastelloy, 6Mo, Inconel and others on request.
Material certificates and NACE approval available

Testing

Hydrostatic Pressure Test performed on every chamber. Full NDT testing available - Radiography, Dye Penetrant test, PMI (others on request).

Chamber Layout

VEGA will engineer a chamber to your specific requirement. Chamber size, process, vent and drain connections can be screwed of flanged. We are able to provide drain and vent valves as part of the assembly. We always provide a GA drawing for the customer to approve before manufacture to ensure all aspects of the chamber meet their needs.

For further information on our chambers, please see our specification sheet:

- GWR Chambers – Design Recommendations

Instrument Selection

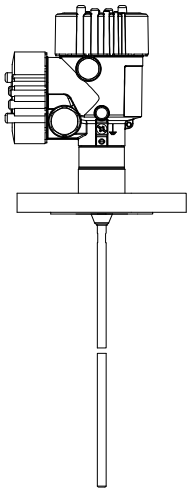
VEGA bypass chambers offer a convenient solution for continuous and point level measurement using our range of Guided Wave Radar Transmitters (GWR) and tuning folk switches. The following instruments can be fitted to the chambers and provide ideal solutions for control and safety critical shutdown measurements.

GWR Applications

In addition to new applications for continuous level measurement our GWR transmitters are ideal upgrades for troublesome displacer transmitters. We can supply a complete package with bypass chamber or the GWR can be installed in the existing displacer chamber.

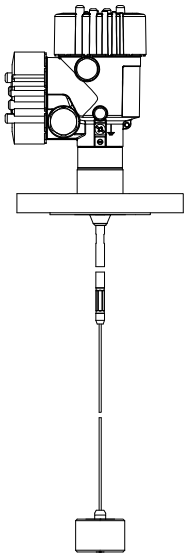
VEGAFLEX 81
8 or 12mm Rod

Pressure Pressure	-1 ... +40 Bar
Process Temperature	-40 ... +200°C
Materials	316, Duplex, C22 or C276
Maximum Length	6m



VEGAFLEX 81
2mm Cable and Centre Weight

Pressure Pressure	-1 ... +40 Bar
Process Temperature	-40 ... +200°C
Materials	316, C22 or C276
Maximum Length	75m



VEGAFLEX 86
16mm Rod

Pressure Pressure	-1 ... +400 Bar
Process Temperature	-196 ... +450°C
Materials	316 or C22
Maximum Length	6m

VEGAFLEX 86
2 or 4 mm Cable and Centre Weight

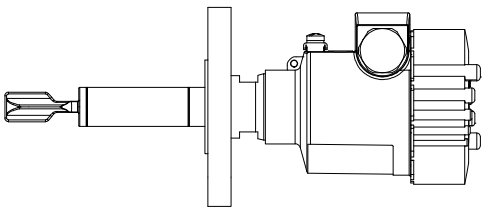
Pressure Pressure	-1 ... +400 Bar
Process Temperature	-196 ... +450°C
Materials	316 or C22
Maximum Length	60m

Tuning Fork Applications

In addition to new applications for point level measurement our VEGASWING switches are ideal upgrades for troublesome float switches offering a high level of reliability and integrity. VEGASWING can be supplied mounted in new chambers or retro fitted to existing chambers and vessel connections on site. When supplying new chambers we are able to integrate both tuning folk switches and GWR transmitters within the same chamber.

VEGASWING 61/63

Pressure Pressure	-1 ... +64 Bar
Process Temperature	-50 ... +250°C
Materials	316, StSt, Duplex, alloy C22 or 400, coated ECTFE, PFA



VEGASWING 66

Pressure Pressure	-1 ... 160 Bar
Process Temperature	-196 ... +450°C