



Reliable

High measurement certainty thanks to media-independent measurement

Cost effective

Reliable measurement ensures continuous production

User friendly

No dismantling of sensor necessary when changing the container, as measurement is possible right through the BigBag

Flexible Intermediate Bulk Container (Bulk bag, BigBag)

Level measurement in a Flexible Intermediate Bulk Container (Bulk Bag)

Granular raw materials are delivered and stored in Flexible Intermediate Bulk Containers (FIBC) also known as 'Bulk Bags' or 'BigBags'. The raw materials are fed to the various process stages via conveyor belts or pneumatic lines. To ensure reliable supply to production, the levels in these FIBC's need to be continuously monitored.

[More details](#)



VEGAPULS 6X

Non-contact level measurement with radar in a FIBC

- Strong focusing of radar beam enables reliable measurement despite steel frame thanks to 80-GHz technology
- Due to the wide dynamic range, the measurement is completely independent of the medium
- Non-contact measurement allows the changing of BigBags without dismantling the sensor

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External display and adjustment unit for plics® sensors

- User-friendly display can be used in accessible places
- Simple operation via four keys and clearly structured menu
- Convenient connection directly to the sensor without further measures

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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

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Housing material
Plastic
Aluminium
Stainless steel (precision casting)

Protection rating
IP66/IP67

Ambient temperature
-20 ... 70 °C

Signal input (specify)
plics sensor (serial)

Signal output (specify)
Display