



#### Reliable

Approved materials according to FDA and EC 1935/2004 regulations as well as country-specific approvals

#### Cost effective

Efficient cleaning of the filter during continuous operation

#### User friendly

Maintenance friendly through front-flush mounting

## Reverse osmosis

### Differential pressure measurement in reverse osmosis

When transporting live fish, the operators of aqua farms do everything in their power to carry out the task as efficiently, gently and stress-free (for the fish) as possible, usually with the help of special ships. Large amounts of water are required to maintain the water quality in the tanks during transport. The seawater is forced through a semi-permeable diaphragm under high pressure. Only pure water molecules can pass through. Differential pressure measurement monitors the level of contamination of the filter.

[More details](#)

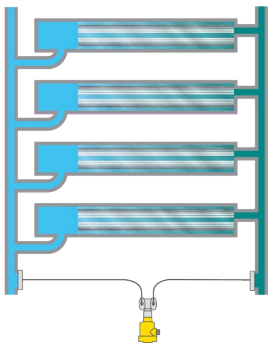


### VEGADIF 85

Differential pressure transmitter for measuring filter contamination

- Measurement of extremely small differential pressures through high-precision measured value detection
- High reliability thanks to integrated overload diaphragm
- Multi-variable measurement via integrated sensor for measurement of static pressure

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**VEGADIF 85**  
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**Measuring range - Pressure**

-40 ... 40 bar

**Process temperature**

-40 ... 105 °C

**Process pressure**

-1 ... 400 bar

**Accuracy**

0.065 %

**Materials, wetted parts**

316L  
 Tantalum  
 Alloy C276 (2.4819)  
 Monel

**Threaded connection**

¼ - 18 NPT

**Flange connection**

≥ DN32, ≥ 1½"

**Seal material**

EPDM  
 FKM  
 Copper

**Housing material**

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

**Protection rating**

IP66/IP68 (0,2 bar)  
 IP66/IP67  
 IP66/IP68 (1 bar)