



Pumps for wet strength agent

Reliable

Reliable dry run protection of these expensive, easily damaged pumps

Cost effective

High availability of the pumps

User friendly

Product independent function, thus simple setup and commissioning

Pressure measurement and point level detection for eccentric pumps

Wet strength agents are polymeric additives that enhance water resistance properties, especially in sanitary and specialty papers. They are applied in the paper machine via a size press or spraying device. Because of their high pH value, these substances are stored in double-walled GRP (glass reinforced plastic) tanks. The high viscosity of the medium requires the use of a pneumatic conveyor system and special eccentric pumps for filling and emptying. With these pump types, dry run protection and pressure monitoring is a necessity.



VEGABAR 38

Pressure monitoring of pipelines leading to the paper machine

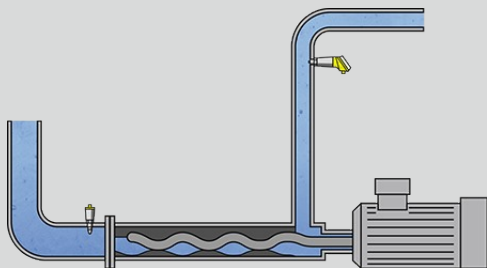
- Small, front-flush process fitting
- High measurement certainty through vacuum-resistant design



VEGAPOINT 21

Capacitive level switch for dry run protection for eccentric pumps

- Accurate and reliable function through product-independent switching point
- Setup without adjustment





VEGABAR 38	VEGAPOINT 21
Measuring range - Pressure -1 ... 60 bar	Process temperature -40 ... 115 °C
Process temperature -40 ... 130 °C	Process pressure -1 ... 25 bar
Accuracy 0.3 %	Materials, wetted parts 316L PEEK
Materials, wetted parts PVDF 316L Duplex (1.4462) Ceramic	Threaded connection ≥ G½, ≥ ½ NPT
Threaded connection ≥ G½, ≥ ½ NPT	Hygienic fittings Clamp ≥ 2", DN50 - DIN32676, ISO2852 Clamp ≥ 1" - DIN32676, ISO2852 Clamp ≥ 1½" - DIN32676, ISO2852 Slotted nut ≥ 1½", ≥ DN40 - DIN 11851 Slotted nut ≥ DN25 - DIN 11851 Slotted nut ≥ DN32 - DIN 11851
Hygienic fittings Clamp ≥ 2", DN50 - DIN32676, ISO2852 Clamp ≥ 1" - DIN32676, ISO2852 Clamp ≥ 1½" - DIN32676, ISO2852 Slotted nut ≥ 1½", ≥ DN40 - DIN 11851 Slotted nut ≥ DN25 - DIN 11851 SMS DN38 Hygienic fittings ≥ DN25 - DIN11864-1-A Hygienic fittings ≥ DN40 - DIN11864-1-A Varivent N50-40 SMS DN25 Ingold connection PN10 Varivent F25	Seal material EPDM FKM
Seal material EPDM FKM FFKM	Protection rating IP66/IP67 IP69
Housing material Plastic	Output Transistor (NPN/PNP) IO-Link
Protection rating IP66/IP67 IP65	Ambient temperature -40 ... 70 °C
Output 4 ... 20 mA Three-wire (PNP/NPN, 4 ... 20 mA) IO-Link	