

CLEANING CELLS and Inline dispersers



A wide range of accessories, such as inline dispersers and cleaning cells, provide a so-called “process interface” for adapting the measurement probe to different conditions within the process.

The option of dispersing the particle flow within the process vessel sets Parsum probes apart from other inline measuring systems. Inline dispersing is the only way of ensuring particle-size determination in damp, sticky, electrostatically charged or otherwise complicated materials in a reliable manner and in a way that is comparable with laboratory processes.

The cleaning cells use compressed air to keep the optics free of particle deposits, thereby significantly reducing the cleaning frequencies. Inline dispersers dilute the particle flow using compressed air, while simultaneously preventing deposits and blockages on the optics. A hard-chrome-plated protective tube means that the probe can be used even with particularly abrasive materials such as silicon, corundum and similar materials.



Technical details

Accessories for probe models	IPP 70, 75 and 80
D24 inline disperser	For high load/high fine content – particles up to 2000 µm, clearance 3.8 mm
D12 inline disperser	As for D24, but also for particles >2000 µm, clearance 7.5 mm
SZ11, SZ20 - cleaning cells	To keep the probe optics free of contamination without active dilution of the particle flow (assuming a low particle load)
Compressed air unit	Compressed air supply for the probe when using dispersers or cleaning cells
Installation	Clamp/screw connection in probe's measuring volume
Materials coming into contact with product	Stainless steel (316L)

