

Piston flow meter HD2K

The problem:

A construction company of plants which produce animal feed, food and recycling was looking for a viscosity compensated flow measurement for high temperatures and high pressures with light contamination (non ferrite). He had to control the flow of lubrication oil at his pellets compactor.



Read about the GHM - solution:

The HD2K piston flow meter is viscosity compensated from 1 - 200 mm²/s. It was ordered in the standard temperature version up to 120 °C (optional would also be possible 150°C) and PN 200 (optional PN500). The flow rate was 10 ... 23 l/min.

The HD2K was integrated easily into the plant. It has a small size and can be mounted vertical or horizontal due to the spring support of the float.

But also optional valves and various arrangements are possible to adapt the device to the process. In this case the client additionally wished to have an integrated temperature measurement in the flow meter, which we built for him in a special version of HD2K.

The measurement has a good accuracy about 3% FS and the repeatability is even better. It can be combined with all GHM electronic heads. The version with switch output is also available with ATEX certificate.

Examples for further applications for VHS flow meters:

oil control in gears

industrial control of oil in machines, f. e. tooling machines and industry hydraulic

oil lubrication plants (with mechanical optical indicator)

preventing shortage of oil in screw compressors

cooling systems

