



HYDAC INTERNATIONAL

Technology Area / 科技領域

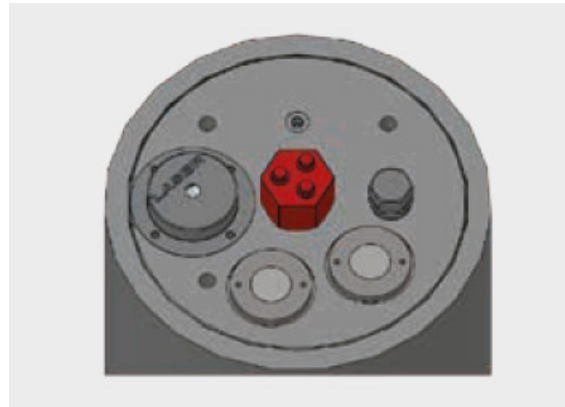
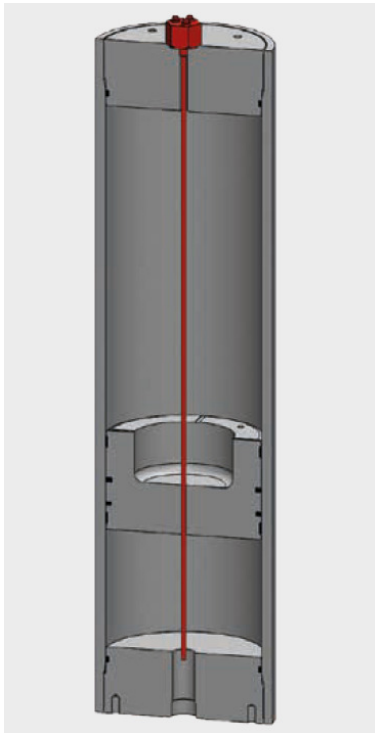
Piston Position Indicators

SK with internal mounted HLT

活塞式蓄壓器安裝HLT磁性尺量測活塞位置

HLT position monitoring for Piston

HYDAC Tech-
nology



ADVANTAGES / CUSTOMER BENEFITS

Continuous monitoring of

- Piston position
- Piston velocity

Machine availability

- Optimisation of productivity
- Reduction of maintenance

DESCRIPTION

To monitor the piston position in a piston accumulator continuously, HYDAC piston accumulators can be equipped with a linear position transmitter (HLT).

For the additional equipment, the HLT is assembled on the gas side cover or the fluid side cover of the piston accumulator and will be passed through a centric bore in the piston. A special sealing system at the centric bore cares of the separation of gas and fluid side.

FUNCTION

The measuring principle (magnetostriction) determines continuously the position of the piston and the piston speed and is based on elapsed time measurement.

Via a transmitter in the sensor head of the HLT, a mechanical oscillation will be detected and translated into an electrical output signal.

The different output signals enable connection to all HYDAC measurement and control devices as well as standard evaluation systems (e.g. PLC controls).

HLT磁性尺在良好的密封系統下穿過活塞中心，可以監控活塞位置。