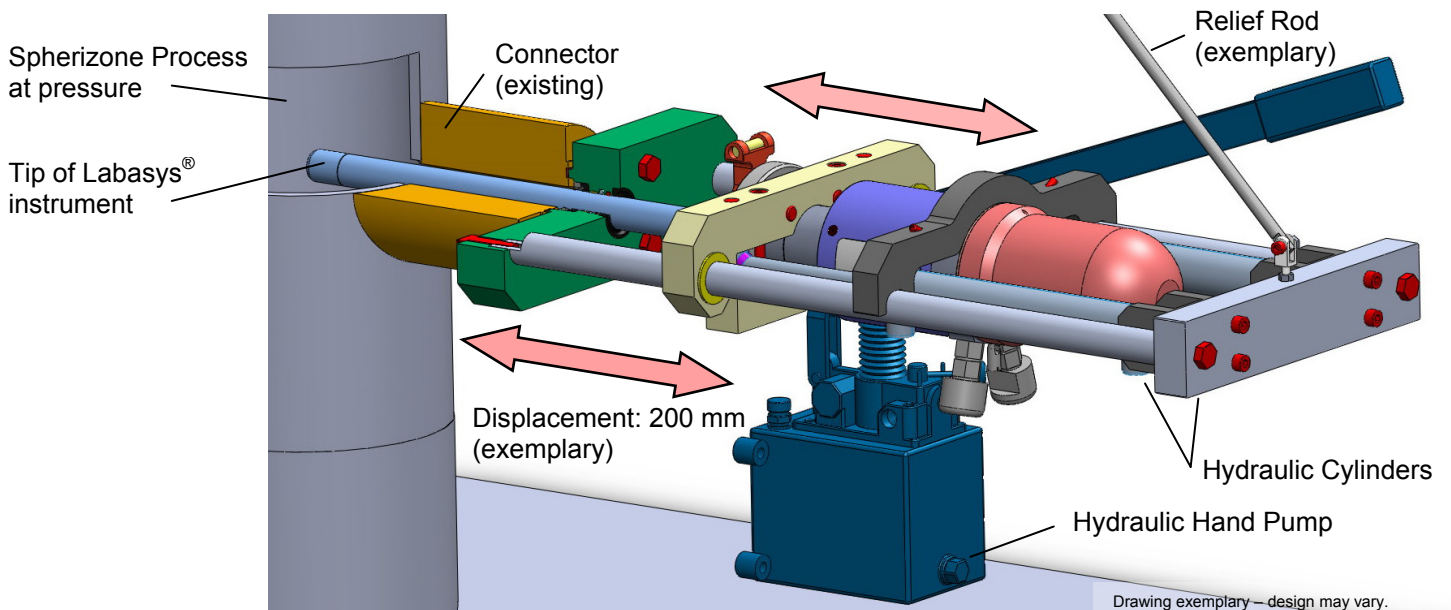




'Shift Connector' for Labasys® Control Ex 'Bulk-Flow' Instrument Displacement at Operating Plant



Drawing exemplary – design may vary.

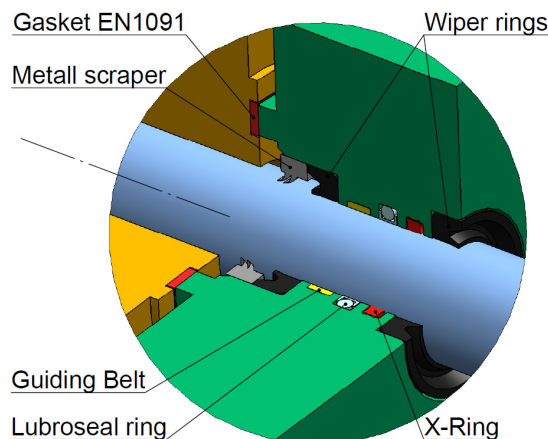
Purpose - Benefits

Allows to shift the tip of your Labasys® Control Ex 'Bulk-Flow' instrument to different measuring position in an operational and thus pressurized Spherizone plant. Lets you **monitor the velocity of your bulk flow at different positions** with only one instrument.

Functional Principle

The instrument is moved forward and backwards by means of two powerful hydraulic cylinders operated by a manual pump. A two way control valve lets you change the displacement direction, while the instruments position may be adjusted precisely with the hand pump.

A 'sealing-package' with a special metal scraper at front, wiper rings on both sides and two independent slide seal rings warrants for a safe and reliable operation. The part containing the sealing package is adapted to the type of your connector, so that **no modifications at the plant** are necessary.



The shift connector is an add-on to your existing Labasys® Control Ex 'Bulk-Flow' instrument. For an enlarged displacement a longer probe tip may be mounted.

Features - Specifications

- **displacement:** ca. 100 – 500 mm – upon customer specifications.
- **instrument guidance:** 2 precision guide bars with bush bearings, instrument orientation alignable.
- **process pressure:** ≤ 42 / 60 bars (operating / max.)
- **sealings:** redundant 'Lubroseal' (PTFE/NBR) and 'X' (NBR) rings (designed for 100 bars, -20 - 100°C).
- **wipers:** special metal scraper at process side, 2 Polyurethane wipers.
- **hydraulics:** two 2-way cylinders with 10/6 kN output/input force each (@ 200 bars), hand pump (max. 380 bars), 2-way control valve, load-lowering valve.
- **Ex-protection:** not necessary – non-energized components used only.
- **Automated version:** with power pump, DCS controlled, custom tailored - available upon request.

Other features and specifications upon request.