

# MULTISAFE Double Hose-Diaphragm Process Pump *for Media with entrained Gas or Air*

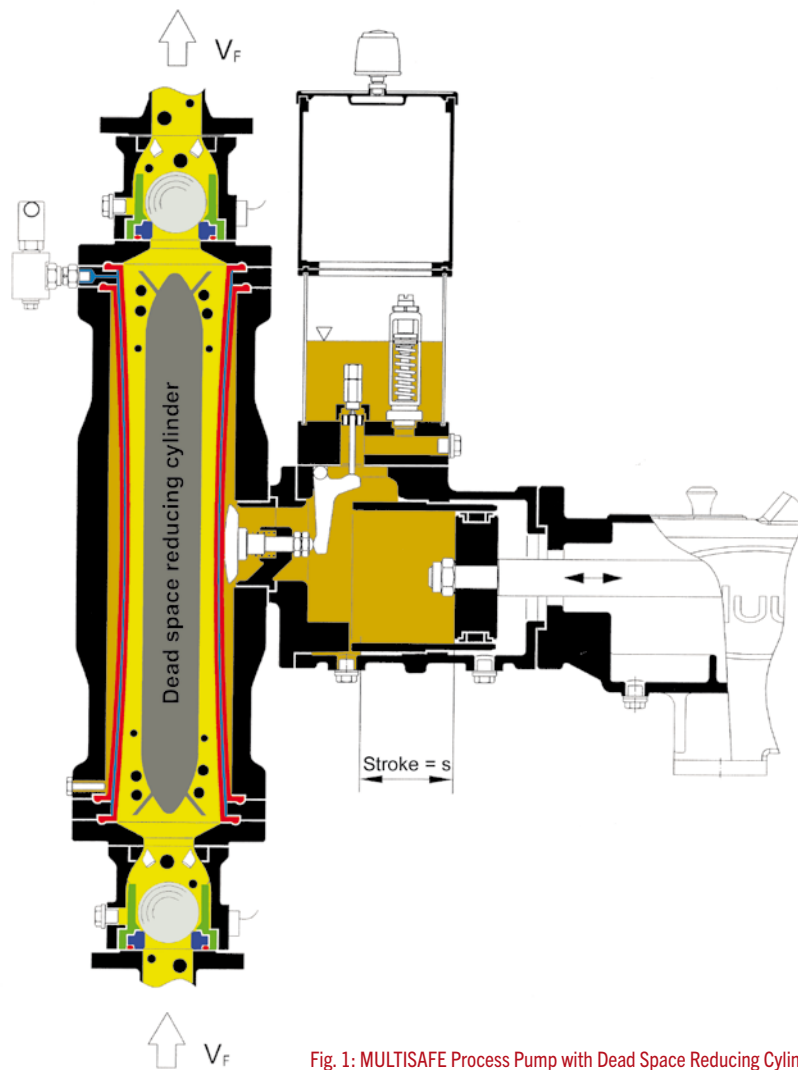


Fig. 1: MULTISAFE Process Pump with Dead Space Reducing Cylinder

## Special Design

For the handling of fluids with rather high entrained gases, MULTISAFE double hose-diaphragm pumps are provided with so-called dead space reducing cylinders, which are fitted to the inside of the hose-diaphragm (see front page, Fig. 1).

Gas or air, entrained in the conveyed fluid, must be compressed during the pumping action in order to avoid a loss in flow rate.

By means of the dead space reducing cylinder in the primary hose-diaphragm (towards the conveyed fluid), the volume of the fluid chamber is reduced to minimum (see Fig. 2).

Thus, entrapped gas bubbles are automatically compressed and the hydraulic efficiency of the pump is optimised.

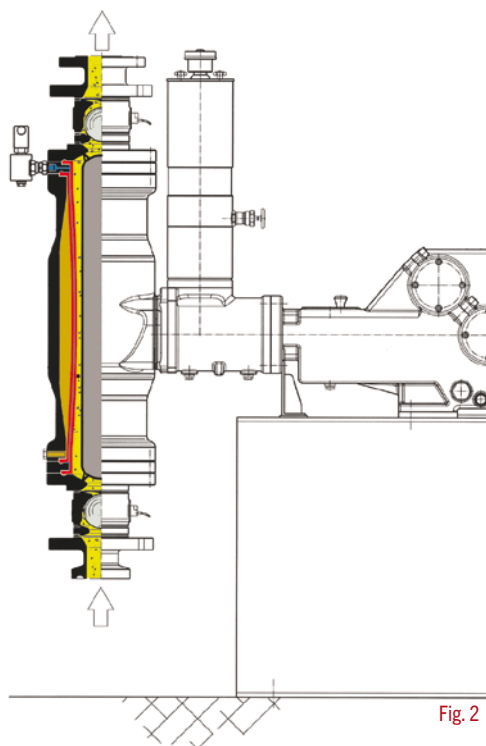


Fig. 2