

# A SHAFT IN A SHELL: THE FLUX PUMP F430 WITH MECHANICAL SEAL

Flexible coupling between motor and pump

Steel cored inner tube in PP and PVDF provides the ultimate in stability. This core prevents elongation of the plastics at high temperatures. This results in an extended service life of the mechanical seal



Packaging of the mechanical seal and rotary shaft seal adjacent to each other ensures the maximum integrity of the sealed inner tube

Impeller in ETFE



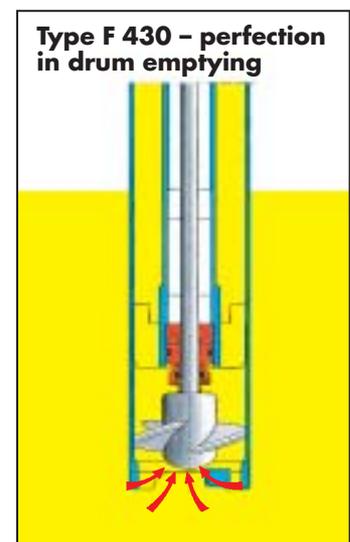
The pump must be used with many varying liquids, consequently the smallest residual left within the pump is unacceptable. You want to pump adhesive substances like paints, or liquids which tend to crystallize or harden.

The inner tube houses the shaft. It is sealed at the bottom by a mechanical seal through which the shaft passes. Consequently the shaft does not come into contact with the liquid except for the small section between the impeller and seal.

**Special advantages:**

- The shaft support bearings are isolated from the liquid
- Steel cored inner tube in PP and PVDF pumps. This prevents elongation of the plastics, even at high temperatures
- Extended service life through well proven seal design

**Here a FLUX pump with mechanical seal is the best choice.**



**NOTE** For all other applications both designs – F 424 and F 430 – are equally suitable.