

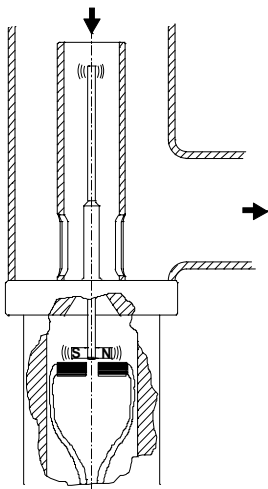
# PROCESS VISCOMETER : MIVI

Associated to signal converter: 7000 or 800x family

## On-line, instant and permanent viscosity measurement

### PRINCIPLE

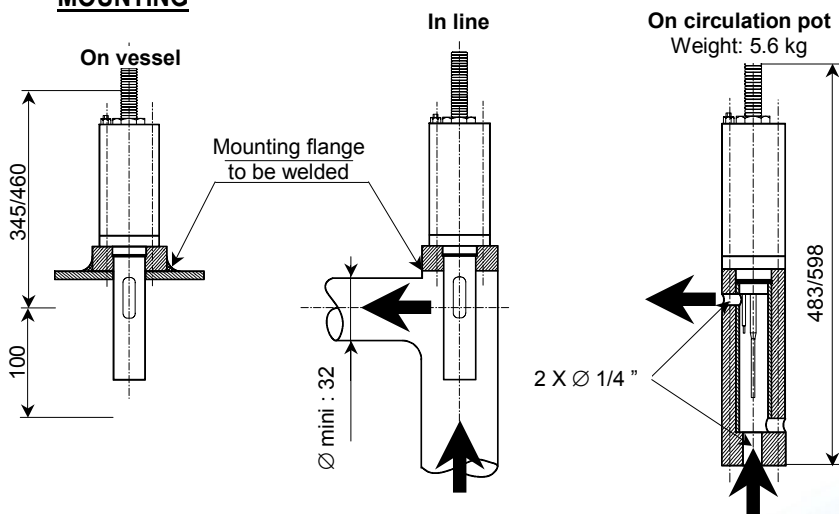
The active part of the sensor is a vibrating rod, held in oscillation by a constant electrical power.



The vibration amplitude varies according to the product's viscosity where the rod is immersed.

The signal converter associated (**7000 or 800x family**) allows the vibration and processes the amplitude variations in order to deliver a calibrated viscosity response.

### MOUNTING



### ADVANTAGES

Essential for all manufacturing or quality control applications. Especially developed for industrial conditions

**No wear part, Low maintenance**  
**Operates in any position**  
**Simple, rugged, accurate**  
**and RELIABLE**

Easy-to-handle electronics, equipped with standardized outputs and adjustable calibration.

Optional internal temperature probe (-20°C to 300°C)

### OPERATING CONDITIONS

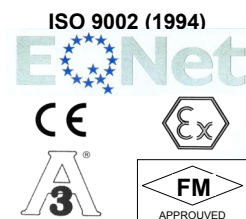
- Operating Temperature: 200 °C max. 300°C on request
- Working pressure: 60 bars. 150 or 250 bars on request
- Watertightness of the body: IP 67
- Material : 316 L stainless steel. Special Hastelloy manufacturing. Many protective coatings possible (Diamolith, PTFE, enamel...)
- Available for hazardous areas (Approved ATEX EExdIIcT1.. T6) Also approved in the USA (FM) and JAPAN (JIS)
- Special model available for sanitary applications (3A)

### RANGES

Any range from 0-10 mPa.s to 0-1 000 000 mPa.s

**Repeatability:**  $\pm 0,2$  % FS

**Accuracy:** depends on calibration and signal converter but better than  $\pm 1$  % FS



Quality System



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