

## **API 675**

Only **piston** pumps and **hydraulic diaphragm** pumps are by this standard. The mechanically driven diaphragm pumps are not considered by this standard.

## **LINEARITY**

The flow delivered by a dosing pump is proportional to the stroke length setting  
API 675 stipulates that the deviation must remain within +/- 3%.

## **REPEATABILITY**

Capacity of a dosing pump to deliver the same flow , at different measures for same stroke setting.  
API 675 stipulates that the deviation must remain within +/- 3%.

## **STEADY STATE ACCURACY**

Capacity of a dosing pump to deliver the same flow , at different measures without changing any parameter (pressure, temperature, NPSH, ...).  
API 675 stipulates that the deviation must remain within +/- 1%.

## **TESTS AT ITC LABORATORY:**

### **Linearity**

Piston dosing pump: +/- 3%

Diaphragm dosing pump: +/- 5%

(Results within the recommended regulation range 20-100%. In the 10-20% range the deviations is +/- 10% for both)

### **Repeatability**

Piston dosing pump: +/- 2%

Diaphragm dosing pump: +/- 2%

### **Steady state accuracy**

Piston dosing pump: +/- 1%

Diaphragm dosing pump: +/- 1%