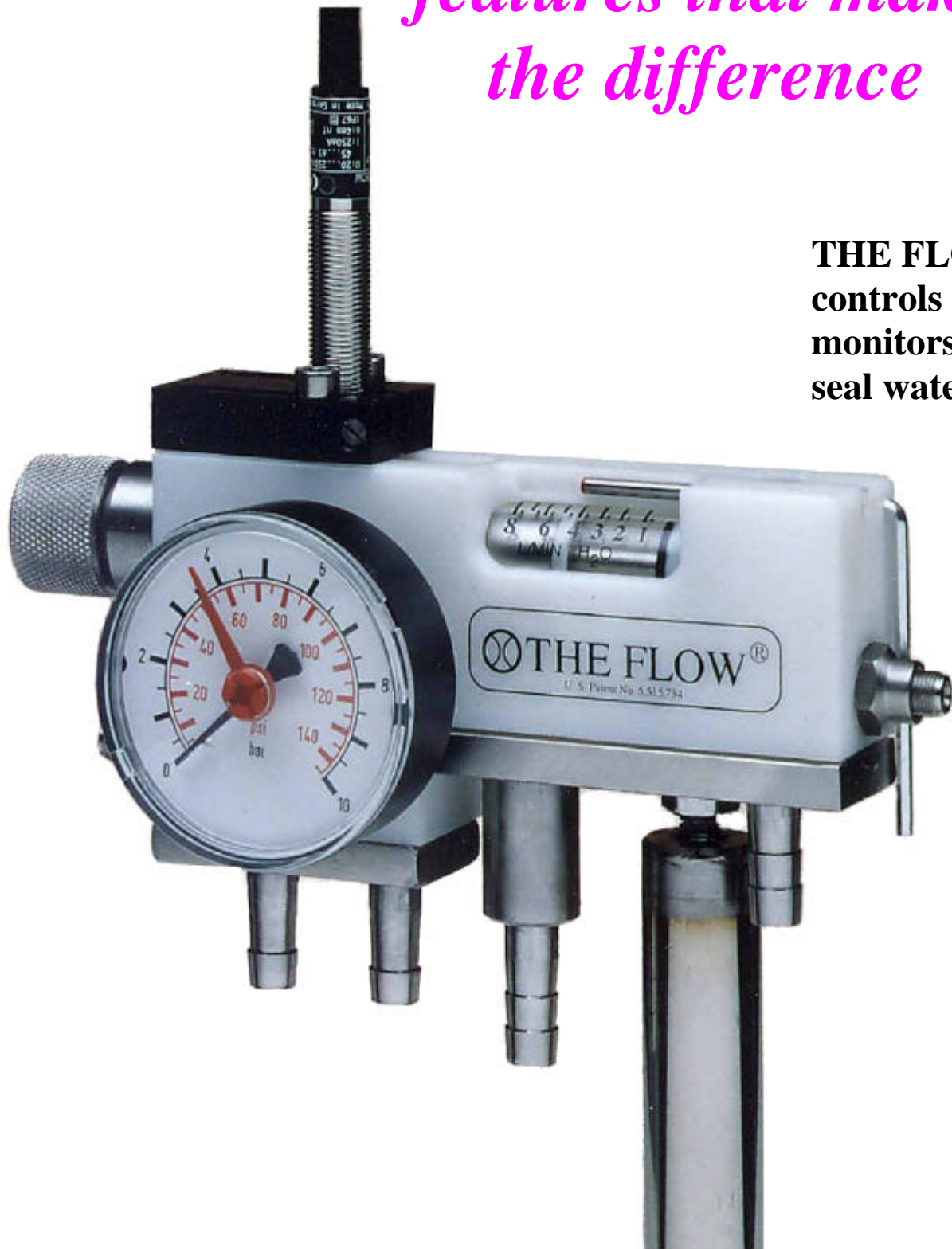


**THE FLOW**  
**seal water flow meters**  
*features that make*  
*the difference*

**THE FLOW**  
**controls and**  
**monitors**  
**seal water**



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**THE FLOW TECHNO**

**NET: [www.flowtechno.com](http://www.flowtechno.com)**

**THE FLOW is the solution to flow meter problems.**

**THE FLOW** is easy to install, set, read, operate, and clean.

**THE FLOW** prevents plugging by replacing problematic needle valves with reliable, large cross section segment valves.

Only **THE FLOW** 's entire flow tube can be cleaned without disrupting flow to the seal.

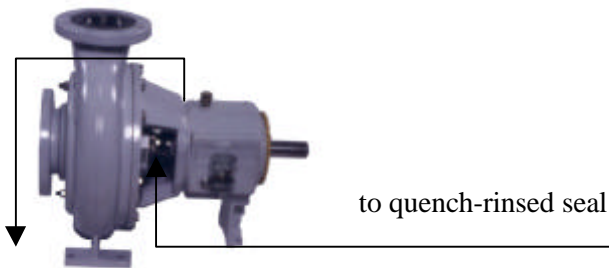
Only **THE FLOW** has a reliable inductive alarm that is not activated during flow tube cleaning.

Only **THE FLOW** operates without additional program delays for the alarm.

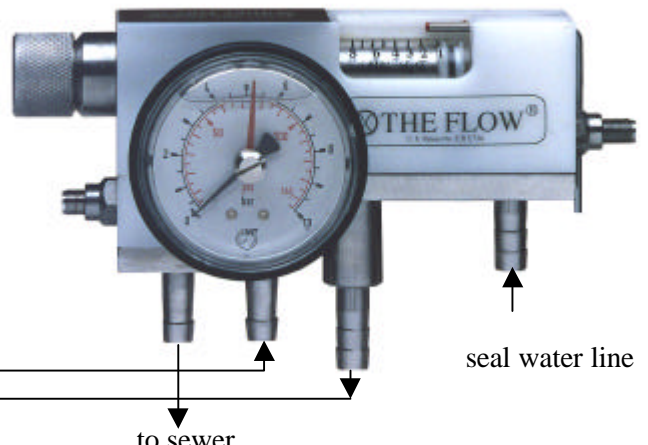
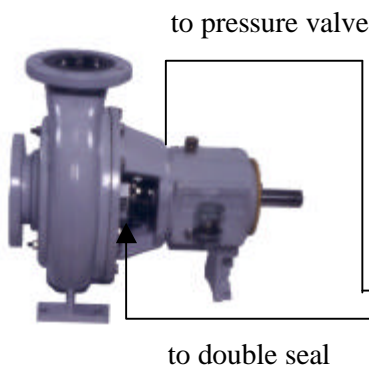
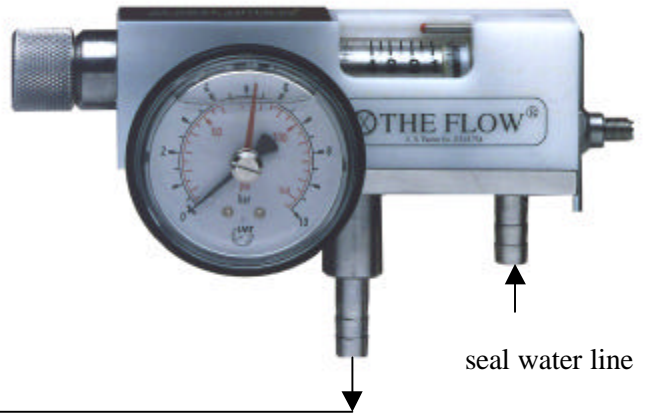
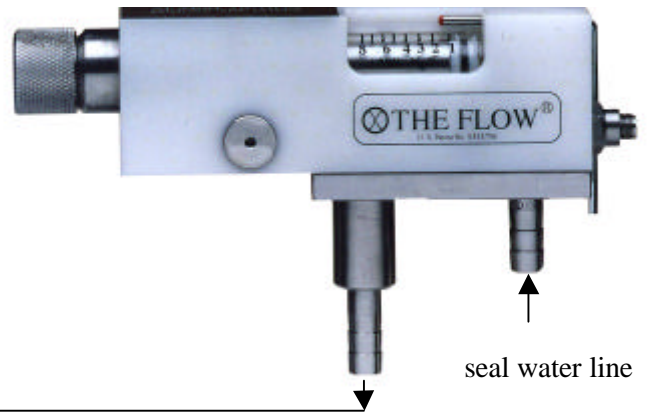
**Use THE FLOW to:**

- \* Regulate and monitor seal water flow and pressure on all types of mechanical seals, packing boxes, and flush lines for pumps, mixers, screens, agitators, and other types of equipment.
- \* Reduce water consumption, effluent, and energy use.
- \* Monitor seal condition at a glance. Meter readings show if seals are leaking or plugged.
- \* Protect equipment and prevent downtime.
- \* Prevent contamination of process solutions.

**THE FLOW applications**



to sewer



# Features That Make the Difference

## Inductive Alarm

Optional alarm provides low flow warning. No false alarms during flow tube cleaning.

## Flow Tube Cleaning Button

Use this to clean the interior of the flow tube without disrupting flow or pressure.

## Target Flow Rate Setting

Set red marker at the target flow. Adjust flow to match the target. When inspecting the meter, compare the target setting to the actual flow. Flow rates higher than target indicate leakage, rates below target indicate seal plugging.

## Flow Rate Indicator

Position of the white ring shows the flow rate.

## Flow Tube Cleaning Ring

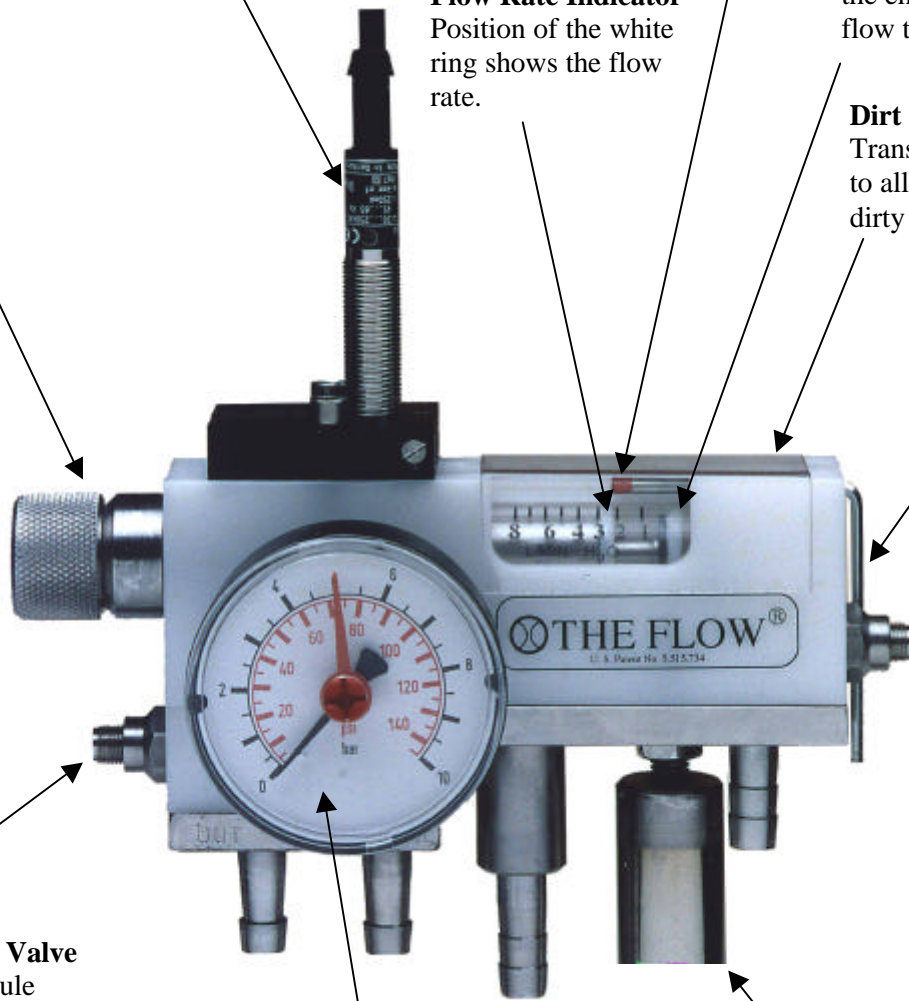
This ring moves to clean the entire interior of the flow tube.

## Dirt Shield

Transparent cover flips up to allow easy readings in dirty conditions.

## Hex Key

Use to adjust meter settings.



## Pressure Control Valve

This optional module controls seal system pressure.

## Pressure Gauge

Match seal system pressure to target pressure. Readings above target pressure indicate seal plugging. Pressure lower than target indicate seal leakage.

## Flow Control Valve

This valve controls flow rates. Double channel valve design is highly resistant to plugging.

## Mounting Stand

Bracket or stand available as options

## Highly Resistant to Freezing and Breakage

## Options for Most Applications

Acid resistant materials, and a variety of base plates, gauges and flow tubes.

## Modular Construction

The same meter body is used for nearly all applications and flow rates. Flow parts are interchangeable. Simply exchange two parts to change flow ranges on a meter.

## Use the following check sheet to select the type of flow meter and options suitable

### 1. Flow Meter Body Type

- a. Without pressure valve, without pressure gauge
- b. Without pressure valve, with pressure gauge
- c. With pressure valve, with pressure gauge

### 2. Body Materials

- a. Polyacetal (standard, white)
- b. Polyethylene (Chemical industry, yellow)

### 3. Connections

- 3.1. Male connector with hose
  - a. R1/4" (or 1/4"NPT)
  - b. R3/8" (or 3/8"NPT)
  - c. R1/2" (or 1/2"NPT)
- 3.2. Threaded female connections
  - a. R3/8" (or 3/8"NPT)
  - b. R1/4" (or 1/4"NPT)

### 4. Flow Ranges

- a. 0.5 - 1.5 l/min (or 0.1 - 0.4 gpm)
- b. 0.8 - 3.0 l/min (or 0.2 - 0.8 gpm)
- c. 1.0 - 8.0 l/min (or 0.25 - 2.0 gpm)
- d. 4.0 - 15.0 l/min (or 1.0 - 4.0 gpm)
- e. 15 - 50 l/min (or 4.0 - 13.0 gpm)

### 5. Pressure Gauges

- a. 0-10 bar (or 0-145 psi)
- b. 0-25 bar (or 0-360 psi)
- c. Liquid filled (option)
- d. Stainless steel (option)

### 6. Type of Mount

- a. Floor mounting stand
- b. Wall or machine mount bracket

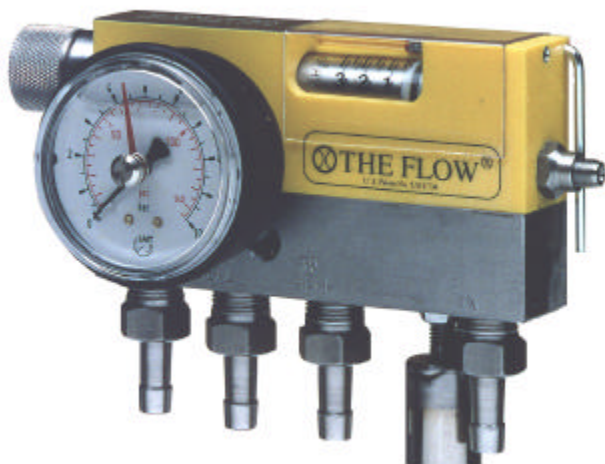
### 7. Alarm Option

- a. AC 20-250 V, 45-65 Hz
- b. DC 10-55 V
  - 1..PNP
  2. NPN
  3. Quadro

### 8. Other Options

- a. Double strainer
- b. Dirt shield
- c. Flow guards for DE and low water consumption seals

## SPECIAL APPLICATIONS



*Meter for chemical industry applications*



*MC-Pump application*

THE FLOW seal water meters are suitable for many difficult environments and chemical industry applications where conventional flow meters have failed. THE FLOW's modular construction makes it possible to select options such as acid resistant polyethylene bodies, fire resistant glass, high pressure threaded base plates, polycarbonate shields, stainless steel gauges, and more. The right combination of options makes THE FLOW suitable for a wide range of chemicals, temperatures, and special conditions. Contact your representative for more information about the special applications. For additional information visit our Internet site.

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