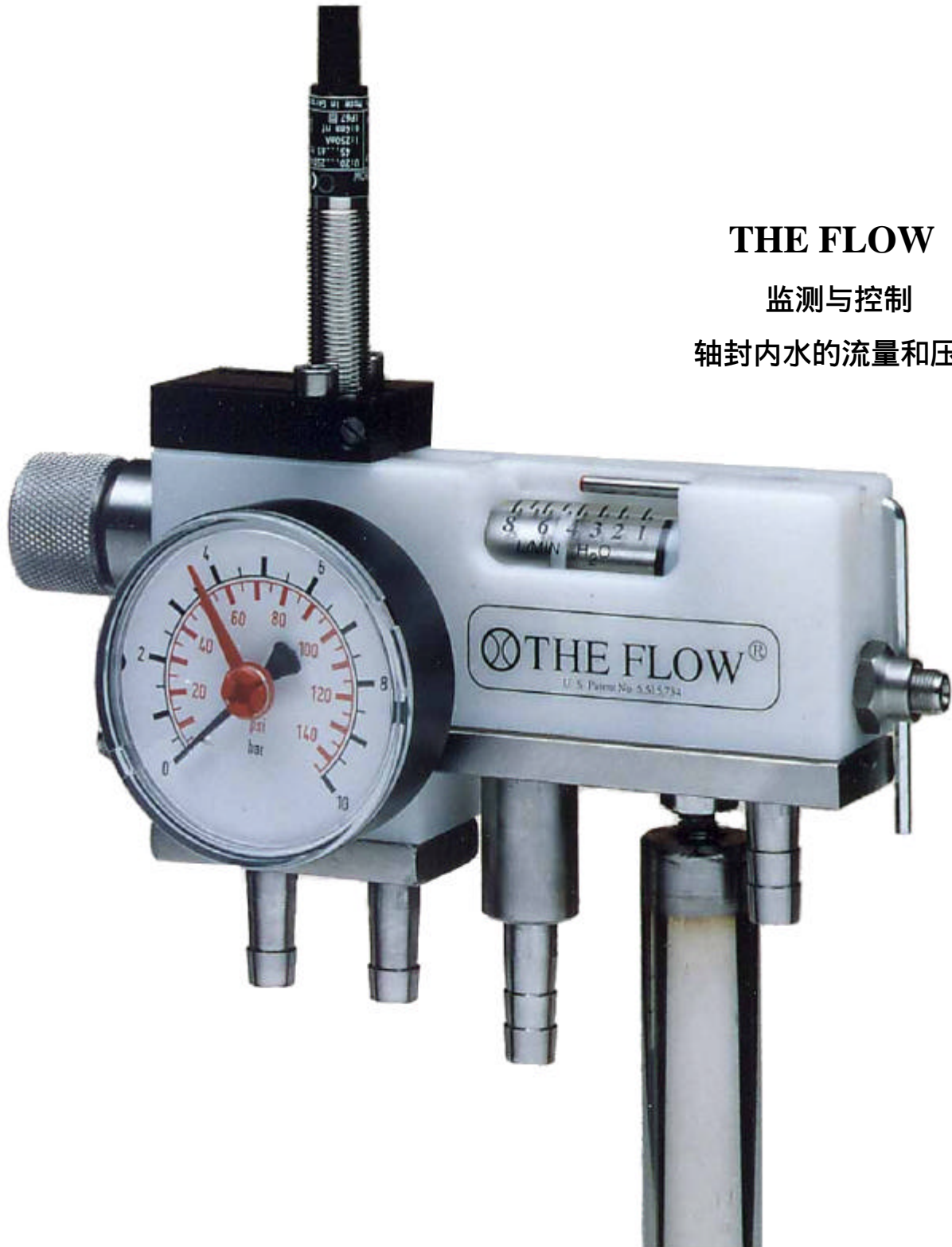


THE FLOW

轴封水流量计

与众不同的专利产品



THE FLOW

监测与控制

轴封内水的流量和压力

北京空港北光仪表有限公司

THE FLOW 是解决常规流量计 诸多问题的最佳选择

THE FLOW
and clean. 易于清洗

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

THE FLOW 用大截面弓形阀取代了针阀,有效地阻止了堵塞。

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

只有 **THE FLOW** 可以在不中断轴封水路的情况下清洗流量管。

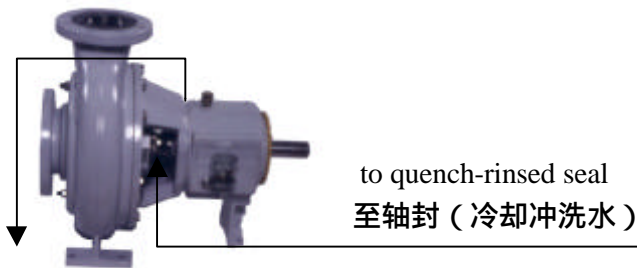
Only **THE FLOW** has a reliable inductive alarm that is not activated during flow tube cleaning.

只有 **THE FLOW** 的感应式报警器在流量管清洗过程中不会虚报。

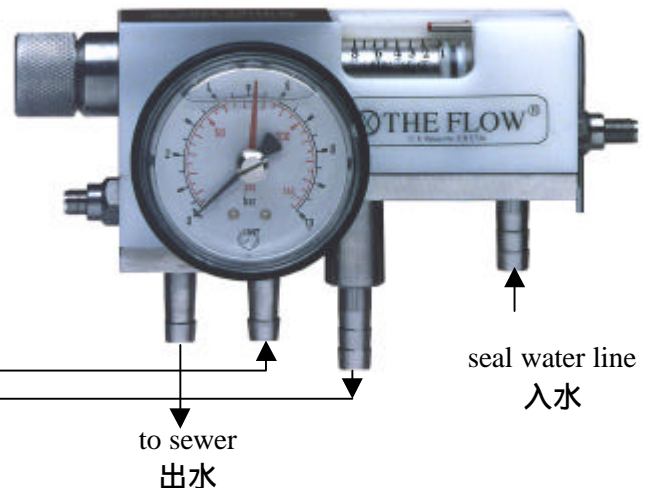
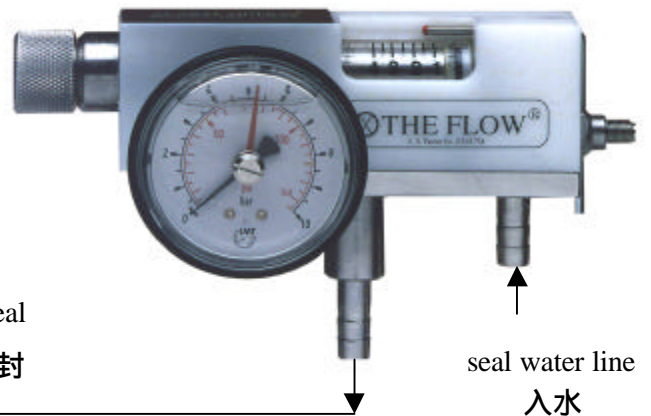
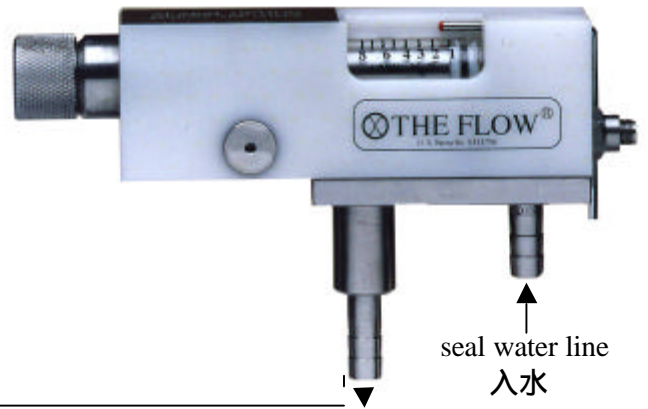
Only **THE FLOW** operates without additional program delays for the alarm.

只有 **THE FLOW** 可以持续正常工作而不需要额外的报警程序延迟。

THE FLOW applications 应用实例



to sewer
出水



使用THE FLOW 可以：

* 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.

监测和调节轴封装置内水的流量和压力。适用于各种有轴封装置（包括机械轴封和填料）的设备，如泵、混合器、筛网、搅拌器等。

* Reduce water consumption, effluent, and energy use.
降低水耗、能耗及废水排放量。

* Monitor seal condition at a glance. Meter readings show if seals are leaking or plugged.

根据读数直接判断轴封的运行状况及问题，如泄露或堵塞。

* Protect equipment and prevent downtime.
保护设备，缩短停工时间。

* Prevent contamination of process solutions.
防止工艺液体被污染。

Features That Make the Difference 设计特色

Inductive Alarm 感应式报警器

感应式报警器

Optional alarm provides low flow warning. No false alarms during flow tube cleaning. 此备件提供低流量报警；在流量管清洗过程中不会虚报。

Flow Tube Cleaning Button 流量管清洗按钮

流量管清洗按钮

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

清洗流量管时不会改变流量及压力

Flow Rate Indicator 实际流量指示

实际流量指示

Position of the white ring shows the flow rate 白环位置指示实际流量

Target Flow Rate Setting 目标流量标志

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.

将红色标志调至目标流量处，调节实际流量至目标流量，监测时只需比较实际流量与目标流量，如果实际流量大于目标流量表明有泄露，小于目标流量表明轴封堵塞。

Flow Tube Cleaning Ring 流量管清洗环

流量管清洗环

This ring moves to clean the entire interior of the flow tube 清洗环移动可清洗整个流量管内壁

Dirt Shield 防尘罩

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

抬起透明防尘罩，可在多尘环境中方便地读数

Hex Key 六棱杆

Use to adjust meter settings. 用于调节仪表

Pressure Control Valve 压力控制阀

压力控制阀

This optional module controls seal system pressure.

调节与控制轴封系统压力

Pressure Gauge 压力表

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

调节轴封系统压力至目标压力，实际压力高与目标压力表明轴封堵塞，低于目标压力表明有泄露

Flow Control Valve 流量控制阀

流量控制阀

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

双路防堵塞设计

Mounting Stand 固定装置

固定装置

Bracket or stand available as options 悬臂支架或落地支架

Highly Resistant to Freezing and Breakage 卓越的抗冻及抗破损功能

卓越的抗冻及抗破损功能

Options for Most Applications 不同应用条件下可选择

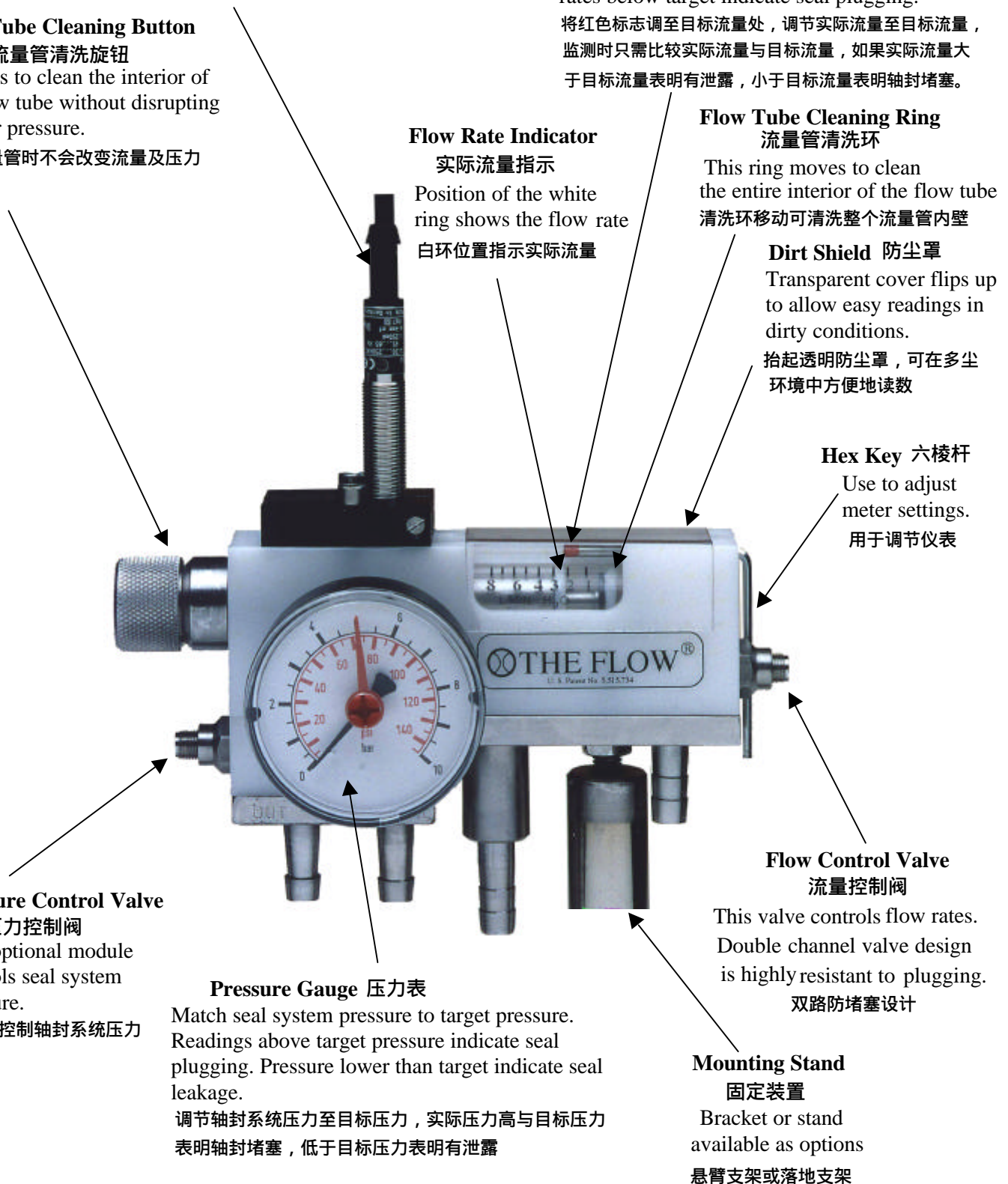
Acid resistant materials, and a variety of base plates, gauges and flow tubes.

防酸材料表体，不同底盘，仪表及流量管

Modular Construction 制造标准

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.

标准化制造，互换性高，同一表体可用于不同条件及流量，更换流量配件既改变流量范围



Use the following check sheet to select the type of flow meter and options suitable 请按以下清单选择适合您的流量计类型及备件

1. Flow Meter Body Type 表体类型

- a. Without pressure valve, without pressure gauge
有压力阀, 有压力表
- b. Without pressure valve, with pressure gauge
无压力阀, 有压力表
- c. With pressure valve, with pressure gauge
有压力阀, 有压力表

2. Body Materials 表体材料

- a. Polyacetal (standard, white)
聚乙缩醛 (标准, 白色)
- b. Polyethylene (Chemical industry, yellow)
聚乙烯 (防酸, 黄色)

3. Connections 连接方式

- 3.1. Male connector with hose
软管接头
 - 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
内螺纹接口
 - a. R3/8" (or 3/8"NPT)
 - b. R1/4" (or 1/4"NPT)
 - c. R3/4" (or 3/4"NPT)

4. Flow Ranges 流量范围

- a. 0.5 - 1.5 l/min
- b. 0.8 - 3.0 l/min
- c. 1.0 - 8.0 l/min
- d. 4.0 - 15.0 l/min
- e. 15 - 50 l/min

5. Pressure Gauges 压力表

- a. 0-10 bar
- b. 0-25 bar
- c. Liquid filled (option)
充液式
- d. Stainless steel (option)
不锈钢

6. Type of Mount 固定方式

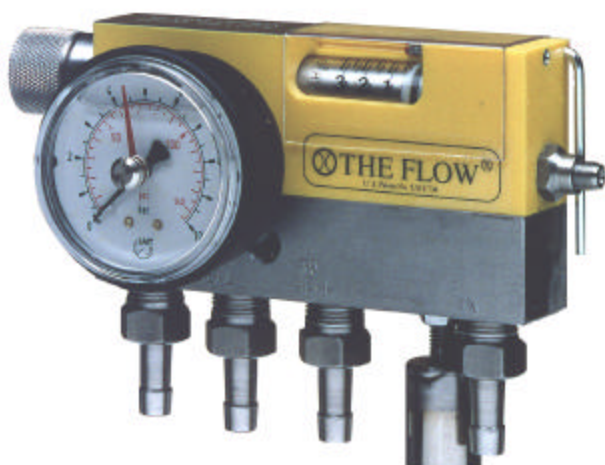
- a. Floor mounting stand
落地支架
- b. Wall or machine mount bracket
墙上或机器上用的悬臂支架

7. Alarm Option 报警器

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

SPECIAL APPLICATIONS

特殊应用实例



Meter for chemical industry applications

化工 (防酸) 应用



MC-Pump application

MC泵应用

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