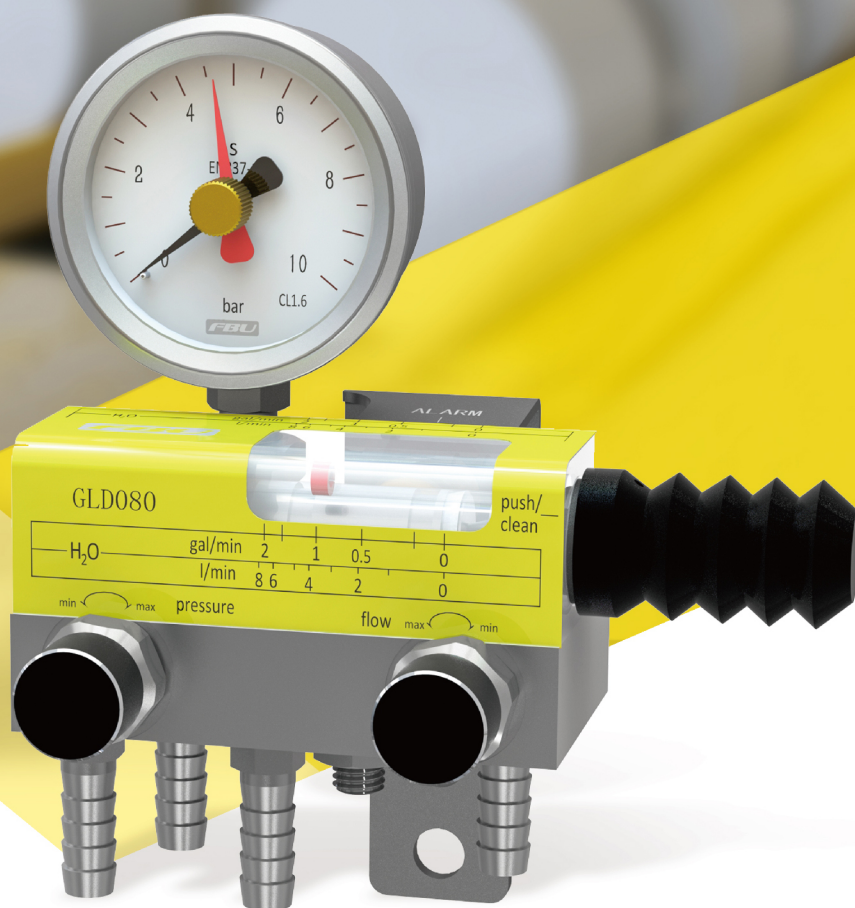


# GL SEAL WATER CONTROL AND MONITORING SYSTEM 水流量控制及监控系统

完美监控和控制密封及密封水系统

Complete monitoring and control solution for seals and seal water systems



**FBU**

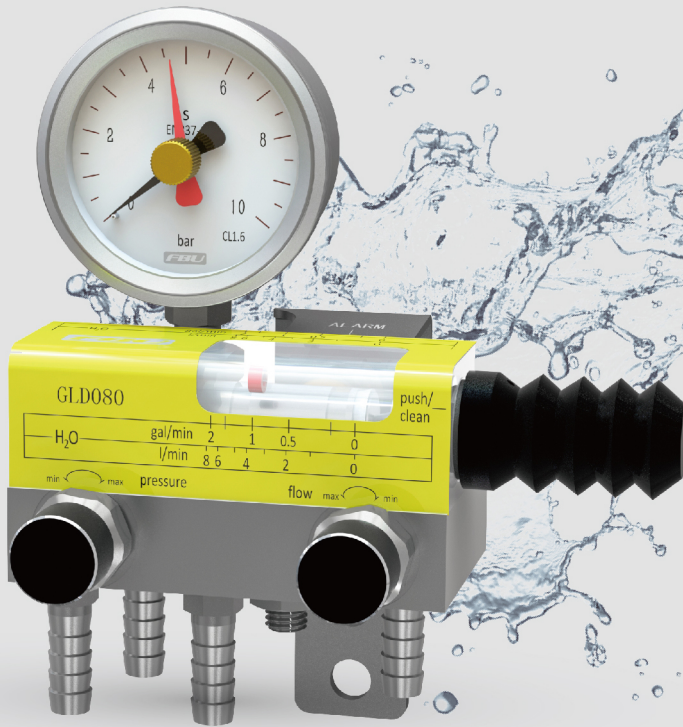
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Why Choose GL Seal Water System

为什么选择

**GL型密封水系统**

装设GL型密封水系统可以确保工艺设备在任何情况下的无故障运行，实现您的投资具有最大生命周期。

The installation of the GL Sealing Water System ensures trouble-free operation of the process equipment under all conditions and maximizes the life cycle of your investment.

采用GL密封水系统调节密封水流量和压力将为密封件创造最佳的工作环境，并使流程的可操作性最大化。

Regulating seal water flow and pressure with the GL seal water system will create the best operating environment for the seals and maximize process operability.

## Save seal water

### 节约密封水

GL密封水系统显著降低了高达80%的用水量。这意味着废水负荷的大幅下降。

The GL Sealed Water System significantly reduces water usage by up to 80%. This means a significant drop in wastewater load.

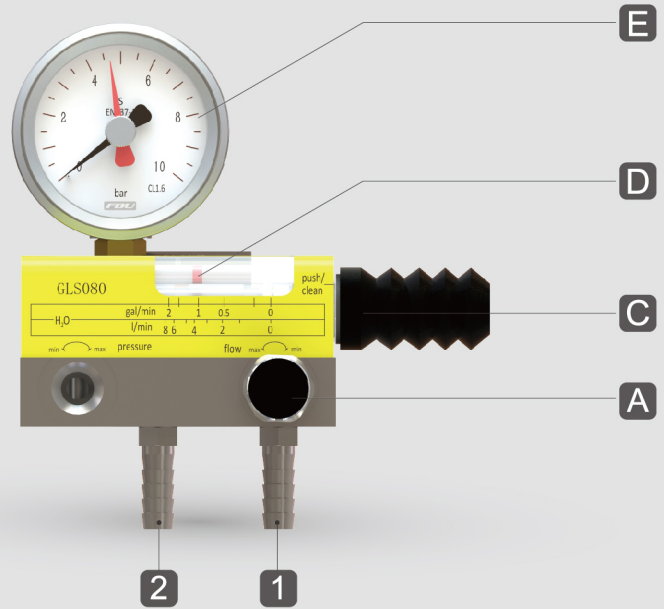
# GLS TYPE

## WORKING PARAMETERS 工作参数

流量/Flow	0~8 l/min	0~2 GPM
温度/Temp	0~75C	0~175F
压力/Pressure	0~10 bar	0~145 psi

## WATER CONNECTIONS 连接管口 $\phi 10$ 软管接头/hose

- ① 进水口 Water inlet
- ② 出水口 Water outlet



## 操作步骤 OPERATION STEPS

- 将水引到GL密封水系统。  
Lead water to the GL seal water system.
- 切掉连接到密封腔的水路。  
Switch off the waterline to the seal chamber.
- 使用调节阀旋钮 **A** 调节流量至旧密封或盘根需要的冲洗流量。  
Use the adjusting valve knob (A) to adjust the flushing flow required by the original seal or packing.
- 重新连接密封腔的连接接头。  
Reconnect the water connection fitting of the seal chamber.
- 调整密封或者盘根，压力表显示密封腔的压力。  
Adjust the sealing of the packings or seals. The pressure gauge shows the pressure in the seal chamber.
- 调节流量计的红色指示标志 **D** 和压力表的红色箭头 **E**，以显示所需的值。允许您控制旋钮改变流量和压力，这些变化即表明了密封腔的状态。  
Adjust the red indicator (D) on the flow meter and the red arrow (E) on the pressure gauge to show the desired value. It is able to control the knob to change the flow and pressure, which indicates the state of the seal chamber.

## 清洗 CLEANING

- 1** 按下设备右侧的按钮 **C** 这并不影响密封水的压力或流量。  
Press the button **C** on the right side of the unit. This does not affect the pressure or the flow of the sealing water.
- 2** 显示窗立马被清洁。  
The display window is cleaned immediately
- 3** 重复操作，直到显示窗完全清晰可读。  
Repeat until full readability is reached.



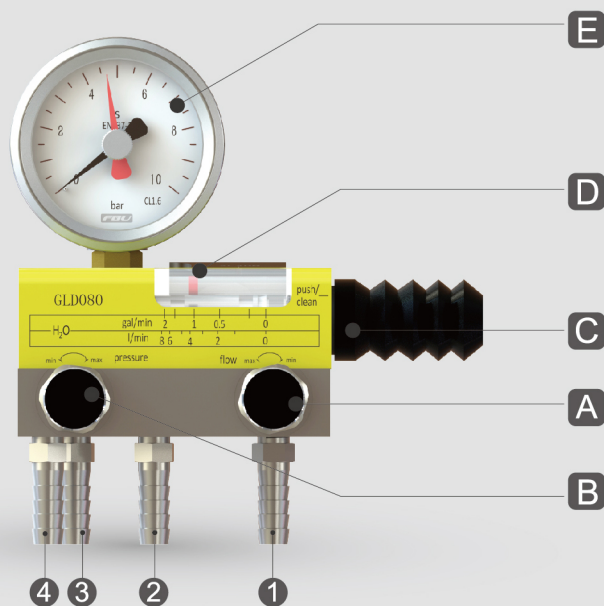
# GLD TYPE

## WORKING PARAMETERS 工作参数

流量/Flow	0~8 l/min 0~2 GPM
温度/Temp	0~75C 0~175F
压力/Pressure	0~10 bar 0~145 psi

## WATER CONNECTIONS 连接管口 $\Phi 10$ 软管接头/hose

- ① 进水口 Water inlet
- ② 密封进水 To Seal
- ③ 密封回水 From seal
- ④ 出水口 Water outlet



## 操作步骤 OPERATION STEPS

- 将水引到GL密封水系统。  
Lead water to the GL seal water system.
- 将两个阀门旋钮 **A** 和 **B** 全开。  
Fully open both valve knobs (A and B).
- 使用调节阀 **A** 来调节所需的流量。  
Use the regulating valve (A) to adjust the required flow.
- 使用调节阀 **B** 来调整所需的压力(调节时尽管流量会减少)。  
Use the regulating valve (B) to adjust the required pressure (although the flow will be reduced when adjusting).
- 通过转动两个阀门(增加和减少)来校准流量和压力, 以达到所需的值。  
Calibrate the flow and pressure by turning both valves (increase and decrease) to achieve the desired values.
- 调节流量计的红色指示标志 **D** 和压力表的红色箭头 **E**, 以显示所需的值。允许您控制旋钮改变流量和压力, 这些变化即表明了密封腔的状态。  
Adjust the red indicator (D) on the flow meter and the red arrow (E) on the pressure gauge to show the desired value. It is able to control the knobs to change the flow and pressure. These changes indicate the state of the seal chamber.

## 清洗 CLEANING

1

按下设备右侧的按钮 **C**  
这并不影响密封水的压力或流量。  
Press the button **C** on the right side of the unit. This does not affect the pressure or the flow of the sealing water.

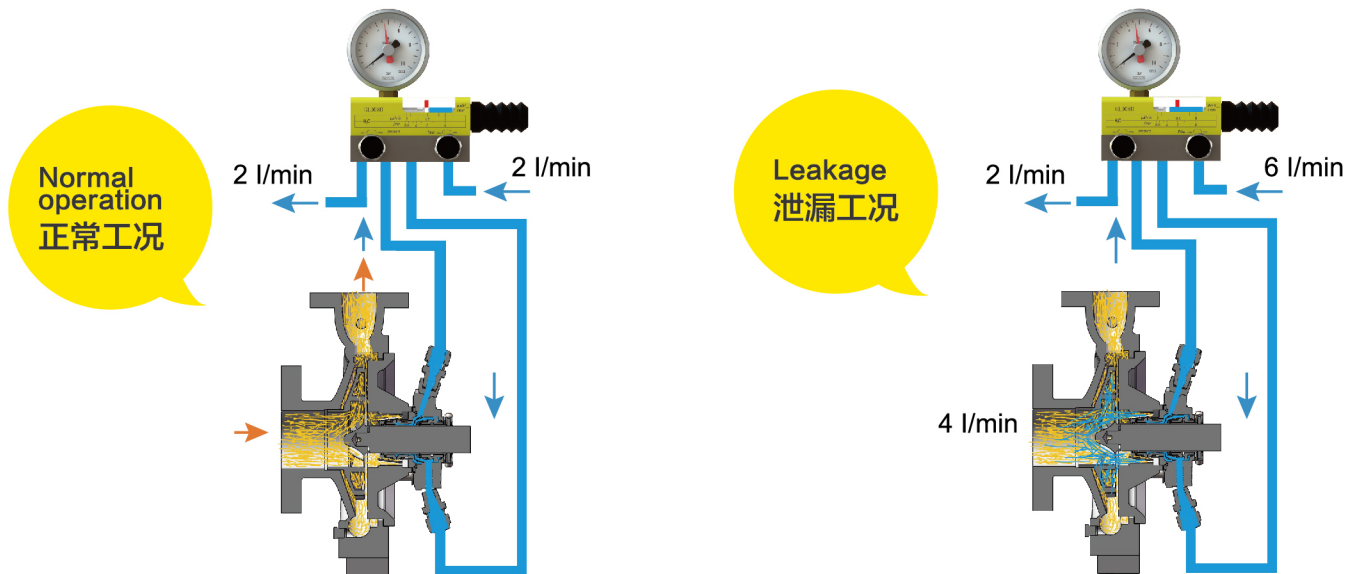
2

显示窗立马被清洁。  
The display window is cleaned immediately

3

重复操作,  
直到显示窗完全清晰可读。  
Repeat until full readability is reached.

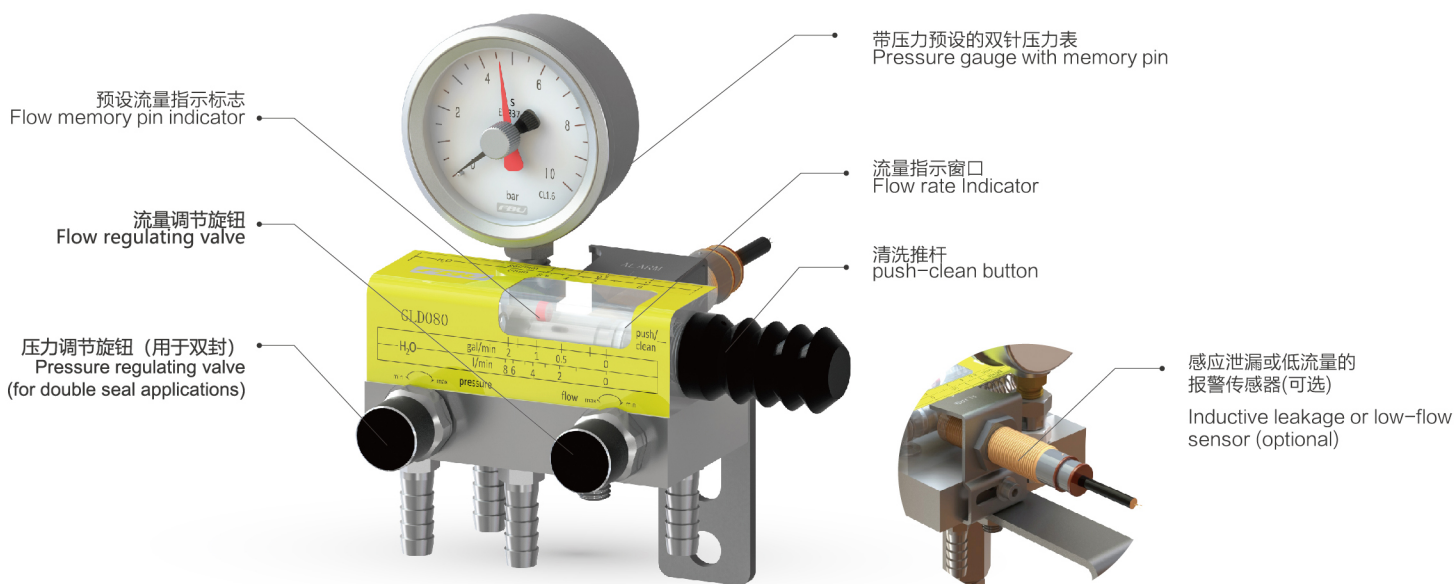




如果系统流量和压力值发生变化，与预先设定不符，就会提前发现密封和系统中可能存在的任何问题。对于自动控制，可以使用传感器报警。GL密封水系统还可以检测密封水在工艺系统中的泄漏，从而导致额外的加热和蒸发成本或严重的质量问题，比如物料被稀释。

Any problems that may exist in the seal and the system will be detected in advance if the flow and pressure values of the system change and do not conform to the preset values.

For automatic control, sensor can be used. The GL seal water system can also detect leaks of seal water in the process system that could result in additional heating and evaporation costs or serious quality issues such as material dilution.



## 功能及结构 FUNCTION AND STRUCTURE

- 控制和监控密封水流和压力  
Control and monitor seal water flow and pressure.
- 预测密封和盘根故障  
Predict seal and packing failure
- 减少和预先确定最大密封水用量  
Reduce and predetermine maximum seal water usage
- 可在设备运行时进行清洗  
Can be cleaned while the unit is running
- 简化泵的安装和配置  
Simplify pump installation and configuration
- 发现和定位密封水位问题  
Identify and locate seal water level problems
- 带有记忆销的流量指示器和压力表  
Flow indicator and pressure gauge with memory pin
- 可选泄漏和堵塞报警传感器组件  
Optional leak and clog alarm sensor assembly

## Order form for GL seal water system GL密封水系统订购单

GL  \_\_\_\_\_  \_\_\_\_\_  \_\_\_\_\_  
型式 Type                      流量量程 Flow range                      传感器 Sensor

### 型式/ TYPE

- GLS型/ Type GLS
- GLD型/ Type GLD

### 流量量程/ FLOW RANGE

080 [ 8 L/min (2 GPM) ]

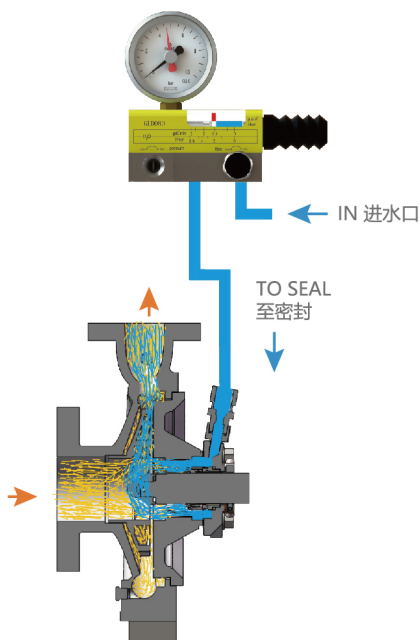
### 传感器 (可选) / SENSOR(OPTIONAL)

- H** - 高流量报警-泄漏 High flow Sensor-leakage
- L** - (低流量报警-堵塞或供水不足) (Low flow sensor - jam or scant)

例如“GLS080-H”是指用于盘根或单端面密封的带有泄漏报警传感器的GL密封水系统。

For example, “GLS080-H” means GL seal water system with leakage electrical alarm for Packing or Single Seal.

## GLS Packing or Single Seal Flush 盘根或单端面机封冲洗



## GLD Double Mechanical Seal 双端面机封冲洗

