

MULTI FLOWUNIT FOR SEAL WATER SYSTEMS

Multi FlowUnit for Rough Seal Water Applications

Multi FlowUnit is a new generation seal supply system, which improved and advanced operating principle allows greater tolerances for impurities in the seal water.

The Multi FlowUnit detects leakages in dual seals even under 0.025 GPM and operates reliably in a low flow rates. Thanks to an extremely large flow aperture diameter of the Multi FlowUnit's, through its U-shaped float can flow even 0.079" particles at 1 GPM. Even the usage of different kind circulation waters of paper and pulp mills as a seal water is possible (in a stainless steel body).

The Multi FlowUnit seal supply system has two different functions in the same body (in dual seals):

- Zero-Flow (Non-Flow), a dual seal's outlet is plugged (or closed by a valve) with a pressure of the main supply pipeline, but without a pressure control.
- A regular flush and a pressure control.

The Multi FlowUnit detects leakages in dual seals into or out of the product (also O-ring leaks on the shaft). The inductive sensor connected to the Multi FlowUnit detects.

Excellent Reliability and ROI.



Multi FlowUnit™ is available in three different basic versions:

- MFU-MP: for packing and single seals
- MFU-MQ: for Quench seals (unpressurized)
- MFU-MD: for double seals (pressurized)

These basic versions of Multi FlowUnit™ are available in a variety of reported flow ranges and are also available in a number





Model MQ



Model MP



Model MD



Technical Specifications:

Flow Ranges: 0.025-0.5; 0.13-1 and 0.25-2 GPM

Max Pressure: 360 psi Range:0-145/230/360 psi

Body Material : Stainless steel EN 1.4305/

AISI304 or POM-C (PVDF)

Metal parts: Stainless steel EN 1.4305/AISI304

(1.4401/-04/AISI316/-L)

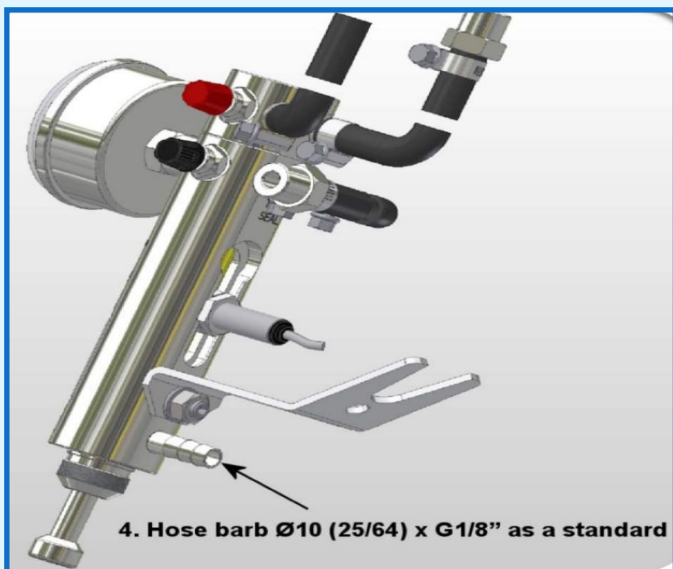
Flow Tube: Grilamid TR 55 (PSU or glass)

Seals: NBR (FPM)

Mechanical Seals:

Failure to ensure seal water to mechanical shaft seals results in the overheating of moving surfaces, further resulting in surface damage. For this reason seals normally begin to leak and require either replacement or repair. The advantage of compression packing seals is that they can be tightened, as long as the preservative has not been lost.

Both types of seals require clean sealing water in order to function reliably. Transferring sealing water to seals or other objects without a sealing water monitoring device is thus not recommended.



Extremely large Flow aperture diameter

2000 µm @4 LPM
0,079 in @1 US GPM

Particle
2000 µm
0,079 in



Manufactured by FlowControl, Muurame Finland