

## Multi FlowUnit™ seal supply system

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The Multi FlowUnit™ seal supply system is an economical sealing water management solution for reducing operating costs through minimized rates of fresh water and waste water.

The Multi FlowUnit™ seal supply system is designed to enable easy adjustment of the rate of sealing water (flush, quench or buffer water) on rotary machines to the optimum and lowest level of water consumption necessary for the seal's safe operation.

Key parameters such as pressure and flow can be permanently monitored for early detection of any malfunctions. The buffer medium is supplied by an external system.

### Advantages of Multi FlowUnit™

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- Economical seal supply system
- Optimized sealing water management
- Reduced costs for fresh water and waste water
- Easy operation and cleaning even during operation
- Safe operation even in case of pressure changes
- Quick detection of seal failures

### Recommended applications

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- Pulp industry
- Paper industry
- Food and beverage industry
- Water and waste water technology
- Chemical industry
- Process industry

## Product information

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 of different system components and materials.

- (e.g mounting brackets, hoses and fittings, alarm sensors, etc.)



## Technical details

<b>Flow ranges (pressure loss)</b>	0.1 ... 2 l/min. / 0.03 ... 0.5 USG/min (<1 bar (14.5 PSI) @ 2 l/min)
	0.5 ... 4 l/min. / 0.15 ... 1 USG/min. (1.4 bar (20.3 PSI) @ 4 l/min.)
	1 ... 8 l/min. / 0.25 ... 2 USG/min (2.5 bar (36.3 PSI) @ 7 l/min.)
	6 ... 15 l/min. / 1.5 ... 4 USG/min (available on request)
<b>Max. pressure</b>	20 bar / 290 psi (POM-C body < +95°C / +203°F)
	25 bar / 360 psi (STAINLESS STEEL body < +100°C / +212°F)
<b>Max. temperature</b>	+95°C / +203°F POM body / PA12 flow tube (non-corrosive conditions)
	+120°C / +248°F STAINLESS STEEL body / PSU flow tube
<b>Accuracy</b>	± 5 %
<b>Body material</b>	Stainless steel EN 1.4305 / AISI 303 (POM-C or PVDF)
<b>Metal parts</b>	Stainless steel EN 1.4305 / AISI 303 (EN 1.4401/1.4404 / AISI 316)
<b>Flow tube</b>	Grilamid TR 55 (PSU or glass)
<b>O-rings</b>	NBR (FPM)
<b>Mounting brackets</b>	Floor Stand, Z- or L-brackets