

RIPRESS *smart*

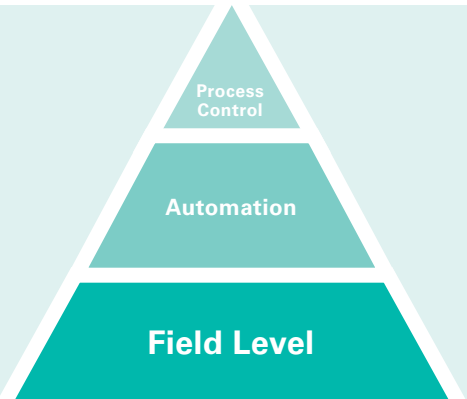
Advanced Water Control Applications



Level and Volume Management
Flow Control for Weirs, Channels and Pipes
Trash Rack Monitoring

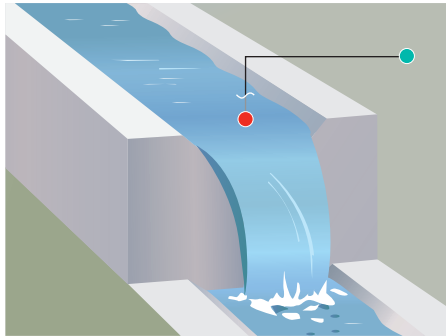
FEATURES AND BENEFITS

- Large range of piezoresistive transmitters for pressure and temperature
- Absolute or relative (gauge) pressure measurement
- High accuracy of up to $\pm 0.05\%$ FS
- Temperature compensation
- Transmitters for submersion or for mounting using NPT $\frac{1}{2}$ " or G $\frac{1}{2}$ "
- Controller with built-in web server for easy configuration
- Up to four measurement sections per Controller
- IEC 60870-5-104 and Modbus RTU/TCP communication
- Robust, durable solution for heavy-duty applications



RIPRESS smart Application Examples

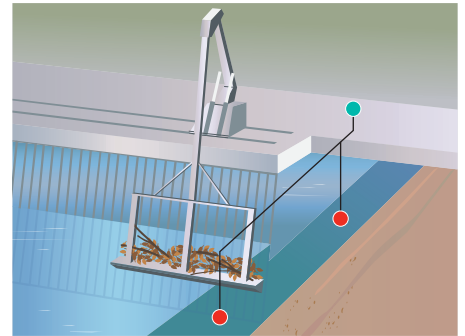
Flow control – V-notch weir



Volume Management



Trash Rack Monitoring



RIPRESS smart Transmitters

Submersible Transmitters up to 25 bar, IP68 (~NEMA 6P)	MPA	MPB	MPC
Transmitters for NPT or G $\frac{1}{2}$ " up to 160 bar, IP65 (~NEMA 6)		MPG	MPJ
4...20 mA output for pressure	●	●	●
4...20 mA output for temperature			●
Modbus RTU communication			●
Programmable		●	●
Accuracy $\pm 0.5\%$ FS	●		
Accuracy $\pm 0.25\%$ FS	○		
Accuracy $\pm 0.1\%$ FS (FS ≥ 0.2 bar)		●	●
Accuracy $\pm 0.05\%$ FS (FS ≥ 1 bar)			○
0...+50 °C, max. 600 ppm FS / °C	●		
0...+50 °C, max. 150 ppm FS / °C		●	●
0...+85 °C, max. 250 ppm FS / °C		○ ¹	○ ¹

● = Standard ○ = Option ¹ only MPG/MPJ

RIPRESS smart Applications

Level and Volume Management

- Lakes
- Reservoirs
- Water tanks

Flow Control for Weirs, Channels and Pipes

- V-notch
- Rectangular contracted / suppressed
- Venturi
- Orifice plate

Trash Rack Monitoring

Controller functions

- Math: Add/Sub/Mul/Div/Pow/Int/Diff/Filter
- Predefined formulas for cylinders, spheres, V-notch weir, rectangular weir and venturi flume
- Freely programmable conversion tables
- Volume counter with persistent data storage
- Trend function and limit value monitoring
- Integrated data logger with remote access

