



McDonnell & Miller boilerwize®

Universal field-configurable low water cut-off for steam or hot water boilers

The boilerwize is a field-configurable low water cut-off (LWCO) that can be used as 24V, 120V, auto or manual for steam and hot water boilers. The boilerwize's probe-type LWCO uses patented technology to provide protection against low water conditions, and it can be used as a primary or secondary device for residential, commercial and industrial applications.

How it works:

The FPC-1000 (boilerwize) probe type LWCO uses patented technology to monitor changes in water conductivity. When defined parameters are exceeded, the FPC-1000 makes a decision to turn off the burner based on the volatility/variability of the resistance readings. This patented technology provides the best protection possible without turning off the burner unless low water condition exists. As an added measure of safety, the control will turn off the burner if it detects an out-of-water condition or if the sensitivity threshold is exceeded.



Wrench flats

Enable easy, leak-free installation. Quickly install in almost any system.

Patented self-cleaning probe

Minimizes scale build-up and extends recommended cleaning intervals to every five (5) years instead of annually.

Brass threads

Metal-to-metal seal ensures a leak-free installation.

Tri-function button

In-field configuration, test and reset functions.

LED indicator

Red LED — Low water condition
Green LED — Power on (Auto)
Yellow LED — Power on (Manual)



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boilerwize LWCO for steam or hot water boilers

Featured benefits:

- **First field-configurable control:** easily configure boilerwize for 24V, 120V, auto or manual control for steam or hot water boilers.
- **Self-cleaning probe:** proprietary probe-type design minimizes scale build-up.
- **Tri-function button:** standard feature that allows:
 1. Push-to-test: ensure proper operation without the need to drain the boiler.
 2. Manual reset: reset the device when the water level has risen above the probe after a low water shutdown. (Manual reset configuration only).
 3. Configuration: selection button during configuration.
- **Condition indicator:** multifunction LEDs indicate when a unit is powered on at Auto mode (green), Manual mode (yellow), and when a low water condition is detected (red) for easy visual confirmation of system status.
- **Easy, leak-free installation:** the metal-to-metal seal provided by the brass threads ensures leak-free installations. Wrench flats and easy access wiring simplify installation for any hydronic system.

Ordering information:

Model number	Part number	Description	Weight lbs. (kgs.)
FPC-1000*	144704	LWCO - without probe	2.0 (0.9)
FPC-1000-P	144705	LWCO - with standard probe ('P')	2.5 (1.1)
FPC-1000-U	144706	LWCO - with extended barrel probe ('U')	2.5 (1.1)
FPC-1000-SP	144707	LWCO - with short probe ('SP')	2.5 (1.1)
FPC-1000-RX2	144708	LWCO - with RX2 probe	2.5 (1.1)
FPC-1000-P-AS	144737	LWCO - STD probe configured for automatic reset steam application	2.5 (1.1)
FPC-1000-P-MH	144738	LWCO - STD probe configured for manual reset hot water application	2.5 (1.1)
FPC-1000-P-67	149705	FPC-1000 with standard probe and 67 adapter fitting	3.0 (1.3)

*Remote sensor must be ordered separately.

Applications:



Residential



Industrial



Commercial

Certifications:



Learn more about
our full line of LWCO
products

Xylem Product Cybersecurity:

Xylem values your system security and the availability of your critical services. For more information on Xylem cybersecurity practices or to contact the cybersecurity team, please visit xylem.com/security.

Xylem Inc.

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