

Intelligent Filter Head

Osorno's ControLogic™ concept was initially developed by its predecessor more than 20 years ago. This concept has continually evolved as we maintain our position at the forefront of leading-edge electronic technology. Osorno's Automation Division is now applying its advanced control technologies in water treatment plant equipment, and one product of this recent development is the Intelligent Filter Head.

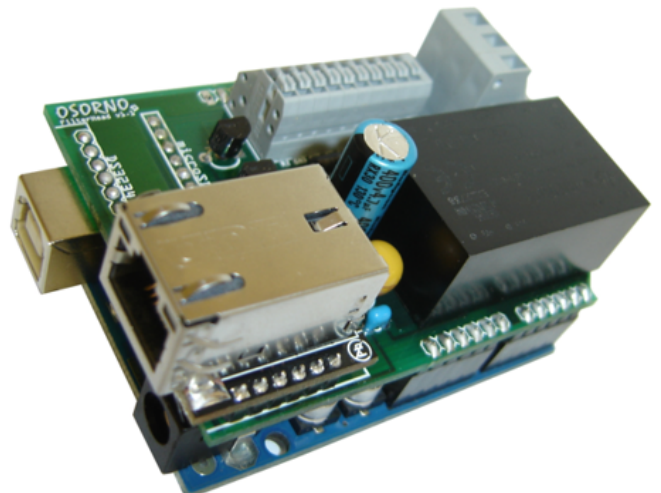


The OSORNO Intelligent Filter Head offers unique electronic control of any water filtration process.

Features

- Internal digital electronic clock offers synchronization with a national time server (requires Internet access);
- Remote access and control (requires Internet access);
- Ethernet port for optional connection to a SCADA system;
- Integrated web server shows the status of the process, and offers easy programming;
- Backwash parameters can be changed via Internet remotely;
- Backwash frequency is programmable between four times per day and once per week;
- Internal log maintained for two years;
- Filter pressure control (optional);
- Special programming for use with ion-exchanger (optional).

The OSORNO hi-tech circuitry has been specially developed by OSORNO for the Intelligent Filter Head. It combines advanced electronic control with networking capabilities and process visualisation on an amazingly small footprint.



Plant Automation

The OSORNO Intelligent Filter Head has a built-in web interface for ease of being programmed locally via Ethernet or remotely via Internet using your favourite browser.

Features of the Web Interface

- Shows current time;
- Shows current backwash settings;
- Shows current backwash frequency;
- All timing parameters can be set independently.

All electronic devices developed by the Osorno automation team can be accessed via Internet.

This design philosophy brings true innovation and its advantages to the equipment user.

Advantages

- Simplicity of programming;
- Easy monitoring;
- Continual process control;
- High operational safety.

Remote Access

Osorno's Automation Division can provide remote access and monitoring via conventional telemetry, data radio link, and via Internet from remote locations.

Our team is also experienced and certified in K-band satellite dish installation. We can use Modbus, the dominant North American data communication protocol, and are proud that the Internet Assigned Numbers Authority (IANA) assigned Osorno Automation a port number in recent years for our OSAUT communication protocol; IANA assigns numbers based solely on technical merit. We maintain OSAUT as an open protocol that everybody can use.

Filterhead Specifications

Tank adaptor connection - M-NPT 3"
Inlet and outlet connection - F-NPT 1-1/2"
Drain line connection - M-NPT 1"
Cycles - 4
Power requirements - 115 VAC, 60Hz

Filterhead dimensions (cm) - 25.0 x 13.5 x 17.0
Circuitry board dimensions (cm) - 7.46 x 5.28

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Osorno Intelligent Filter Head Technology

Show Status

The row "current timing" shows current settings for Backwash - Post-backwash - Rinse.

Current system time	8:49:11 AM
Backwash begins at	8:50 AM
Current timing in minutes	5 - 2 - 2
Backwash frequency	every 6 hours

Set Timers

The system clock is updated automatically via internet.

Please select the duration of backwash, post-backwash and rinse cycles.

Start Time	Backwash	Post-Backwash	Rinse	Frequency
set : set : set	set min	set min	set min	set

OSORNO

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