FILTRON 20-30 AC/DC

Advanced Bluetooth enabled AC/DC backflushing controller

The **FILTRON 20-30 AC/DC Bluetooth** offers professional features, simplicity of use, and uncompromised reliability. Suitable for large filer systems including gravel filters, disc filters, and screen filters. An intuitive smartphone application is available in the stores for professional filter flushing management via Bluetooth communication.

General Features:

Outputs:
- Operates up to 30 Filters (Modular 20/30)
- DC model - 2 Wired 12V DC pulse Latching solenoids
- AC model - 24V AC solenoids

Inputs:
- **Analog DP** - Comes equipped with a robust built-in Analog DP sensor.
- **Digital DP** - Input for external DP sensor (dry contact).
- **Pressure switch** - Freezes the controller when low water pressure was detected (dry contact).

Modes of operation:
- **Freeze** - No Backflushing.
- **DP Only** - Flushing is triggered only by high Differential Pressure. The DP sensor type can be Analog or Digital.
- **Time & DP** - Flushing is triggered either by DP or by time, the one that occurs first.
- **Manual -** Allows manual Start/Stop of Flushing.

Filtration network:
- Enable/Disable **Main valve** and period of **Pre-Dwell** time.
- Enable/Disable **Alarm** output – Low battery and Looping.

Filtration schedule:
- **Flushing time** - Flushing duration of every filter.
- **Flushing interval** – Waiting period between flushing cycles.
- **Dwell time** – Pause period between flushing filters.
- **Analog DP Set Point-** DP Set Point, triggers a backflushing cycle.

Realtime tracking:
- Remaining time to next flush.
- Remaining time to current filter flushing.
- Actual DP value.

DP Sensor options:
- **DP Units** - Pressure units can be: **PSI** or **BAR**.
- **Looping limit** - Detection of consecutive flushing cycles due to a failure.
- **DP Delay**- The period between the detection of high DP and Start flushing.
- **Calibration** - Calibration of the analogue DP sensor.
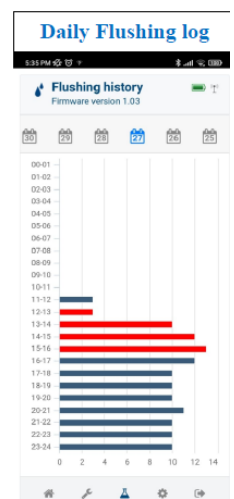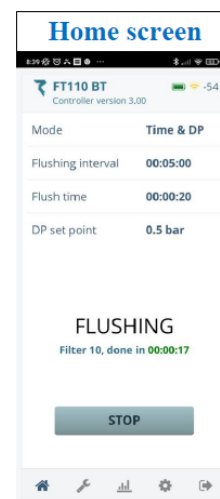
Accumulations and Logging:
- **Statistics** -Total accumulations of flushing by **Time**, **DP**, or **Manually**.
- **Flushing log graphs** - Daily and Hourly Flushing graphs by **Time**, by **DP**, or **Manually**.
- **Looping Tracking** - Indicates looping events on graph.

Energizing options:
- DC model - 4 Alkaline batteries size "**D**" or 12V DC from an external source.
- AC model – 110/220V AC from mains

Bluetooth Communication: Utilizes **BLE (Bluetooth Low Energy)** technology. Allows up to 60 meters between phone and controller

BlueBits App: Supports **iOS** and **Android** operation systems. Easy to use smartphone application. High performances, User friendly, and Modern graphical design.

Home screen

Mode	Time & DP
Flushing interval	00:05:00
Flush time	00:00:20
DP set point	0.5 bar

FLUSHING
Filter 10, done in **00:00:17**

STOP

Daily Flushing log

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