FILTRON MAS

Advanced Bluetooth enabled AC backflushing controller

GOLDTEC CONTROL SYSTEMS

The **FILTRON MAS** offers professional features, simplicity of use, and uncompromised reliability. Suitable for an automatic motorized filter. An intuitive smartphone application is available in the stores for professional filter flushing management via Bluetooth communication.

General Features:

Outputs:
- AC model
- Operates 1 motor forward and reverse.
- Operates 1 flash valve.
- Main valve/ sustaining valve.

Inputs:
- **Analog DP** - Comes equipped with a robust built-in Analog DP sensor.
- 2 Digital inputs from limit switches.

Modes of operation:
- **Freeze** - No Backflushing.
- **DP Only** - Flushing is triggered only by high Differential Pressure.
- **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 filter.
- **Flushing interval** – Waiting period between flushing cycles.
- **Analog DP Set Point-** DP Set Point, triggers a backflushing cycle.

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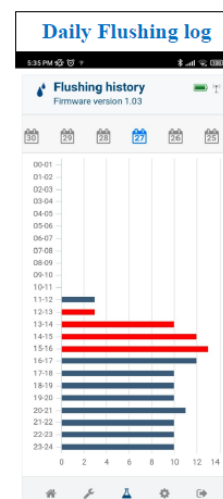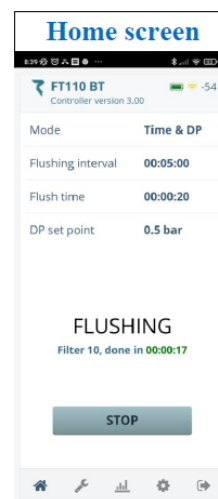- Actual DP value.

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.

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.

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