



# The Octopus Automatic Filter Backwash Controller

# Automatic Filter Filter Backwash

The Octopus is a new innovative Automatic Filter Backwash Controller, operated and monitored by a Smartphone via a unique Application.

The Octopus backwashes in two operating modes: by measuring the differential pressure (DP) and by time intervals, both operated by unique pressure sensors connected to the inlet and outlet of the filtration system.

The Octopus App enables the user to set backwash parameters and alerts. It also provides important real-time data such as:

- Backwash counters
- Upstream/downstream pressures
- DP readings
- Battery status
- Full datalogging recording of: time & date, backwash cycles, system alerts, and pressure reading logs.



## Features & Benefits

- Controls various automatic filtration systems: Media, Disc, Screen
- Backwash triggers: (each backwash cycle resets the time interval counter)
  - Differential Pressure up to 10 bars
  - Time Interval
  - Manual Start Command
- Capable of backwashing up to 10 filters
- Wireless communication between the controller and the smartphone
- Alarm and Backwash outputs for communicating with irrigation controllers
- Downloadable datalogger Date & Time records: DP / backwash intervals / manual starts / malfunctions / upstream & downstream pressure readings
- Consecutive backwash cycles protection settings
- Battery status and low battery alarms
- Various App Languages
- Integrated upstream and downstream pressure sensors



## Technical Data

- Construction Materials: UV Resistant ASA
- Temperature range: -10°C to 60°C
- IP 65
- Power supply:
  - (1-10): 8 x C type, or 12VDC
  - (1-3): 6 x C type, or 12VDC
- Outputs: 1-3 DC Latch + Downstream valve
- Outputs: 1-10 DC Latch + Downstream valve
- Dimensions Octopus10:
  - Depth: 97 mm / 3.82 inch
  - Height: 190mm / 7.48 inch
  - Width: 140mm / 5.51 inch
- Dimensions Octopus3:
  - Depth: 97 mm / 3.82 inch
  - Height: 160mm / 6.3 inch
  - Width: 140mm / 5.51 inch

## Applications

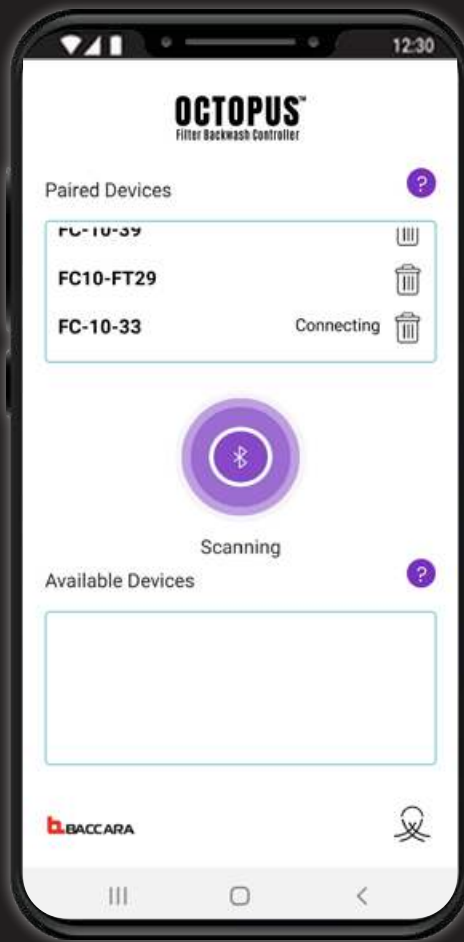
- Agriculture and Greenhouse filtration systems
- Landscape and Turf filtration systems

## Models

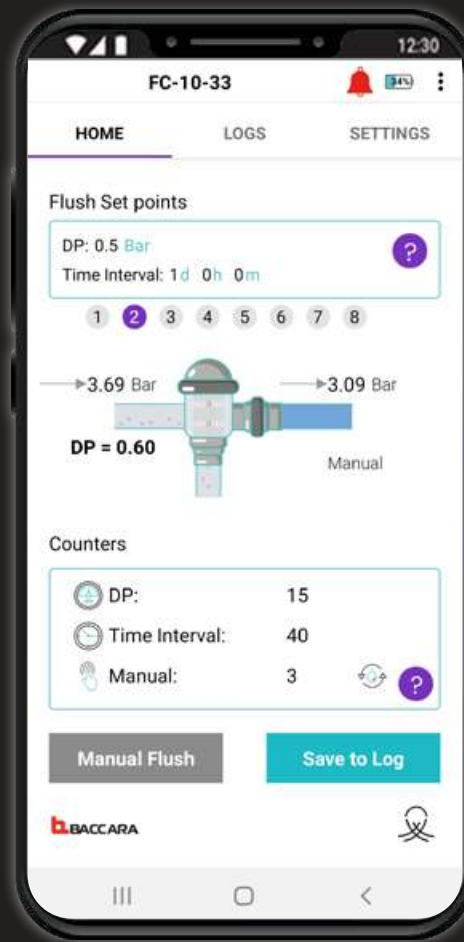
-  **OCTOPUS10**<sup>™</sup> Filter Backwash Controller Octopus 10 for 1-10 filters + downstream valve
-  **OCTOPUS3**<sup>™</sup> Filter Backwash Controller Octopus3 for 1-3 filters + downstream valve



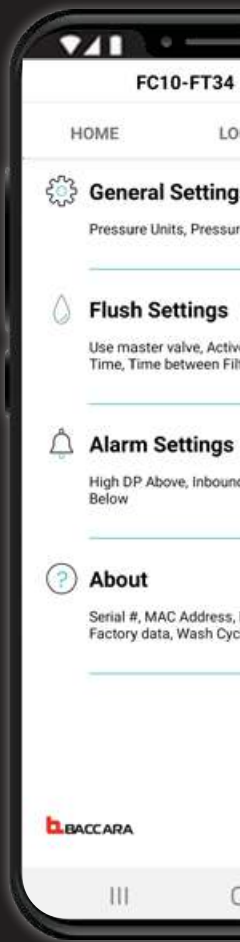
# THE APP



Device manager



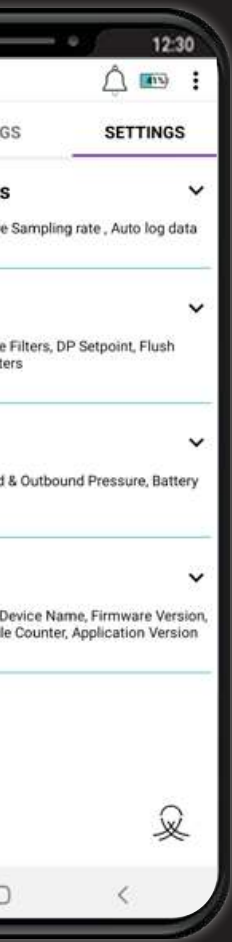
Home screen



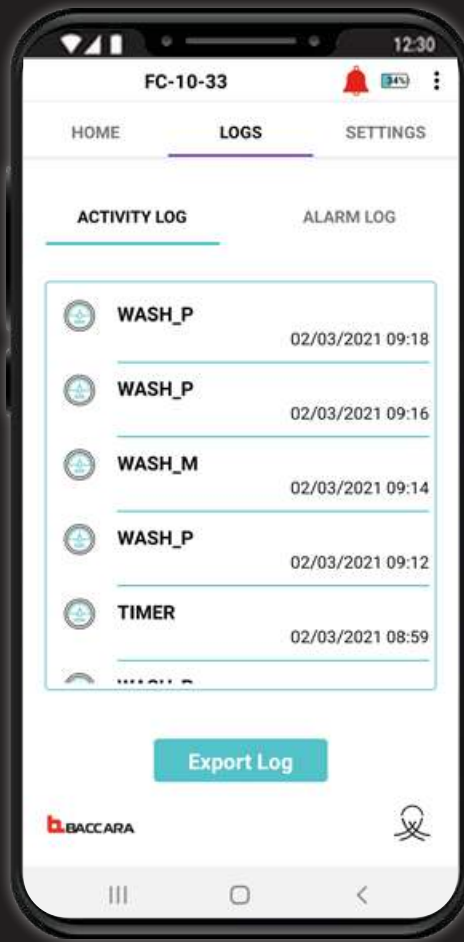
Settings

**Available in 8 languages:**

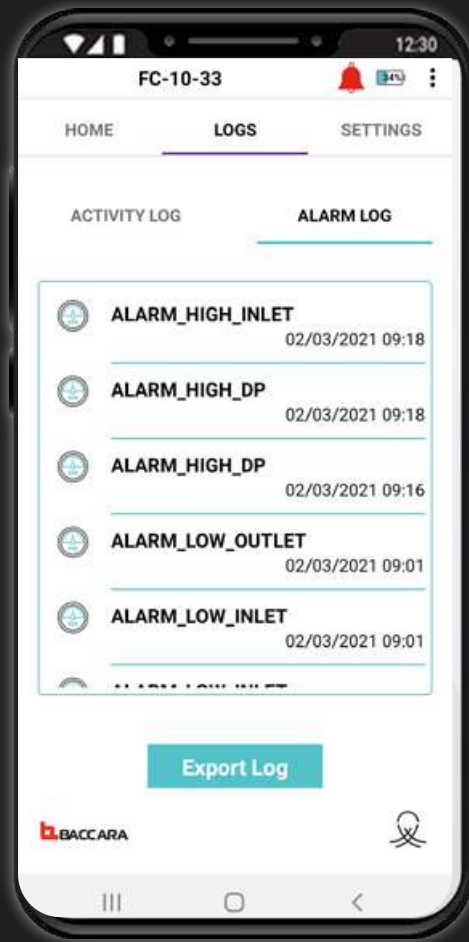
English | Arabic | French | German | Hebrew | Portuguese | Spanish | Turkish



ings



Activity log



Alarm log

# Recommended solenoid valves for Filtration Systems:

COMING SOON



**GEM-FLOW** G75-A3P

- Latch solenoid
- Quick hydraulic response
- Large orifice 2.6mm
- High flowrate
- Manual override
- 3 positions latch manual override



**GEM-FLOW** G75-P

- Low power consumption
- Large orifice 6.5mm
- Enable working with heavy dirt load
- High flowrates
- Compact design
- Manual override
- Compatible with AC/DC Latch irrigation controllers



**GEM-FLOW** GEM-A3P

- Latch solenoid
- Quick hydraulic response
- Large orifice sizes up to 4.0mm
- Designed for high flowrates
- High pressure rates
- Extended life span
- Heavy duty applications
- Manual override
- High stability in voltage fluctuation
- 3 positions latch manual override



# About Baccara

**Established in** Kibbutz Geva in **1964**, BACCARA is a leading Israeli manufacturer of automation and control solutions. Baccara is known worldwide for its precise and high quality solenoids. Baccara solenoids are found in a wide variety of applications throughout the agricultural sector globally.

**BACCARA®** manufactures under two main brands:



## **Agricultural brand - GEM-FLOW™**

agricultural solenoid valves, irrigation controllers, instrumentation and irrigation valves.



## **Industrial brand - GEM-SOL®**

solenoid valves, heavy-duty air valves and cylinders.





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