

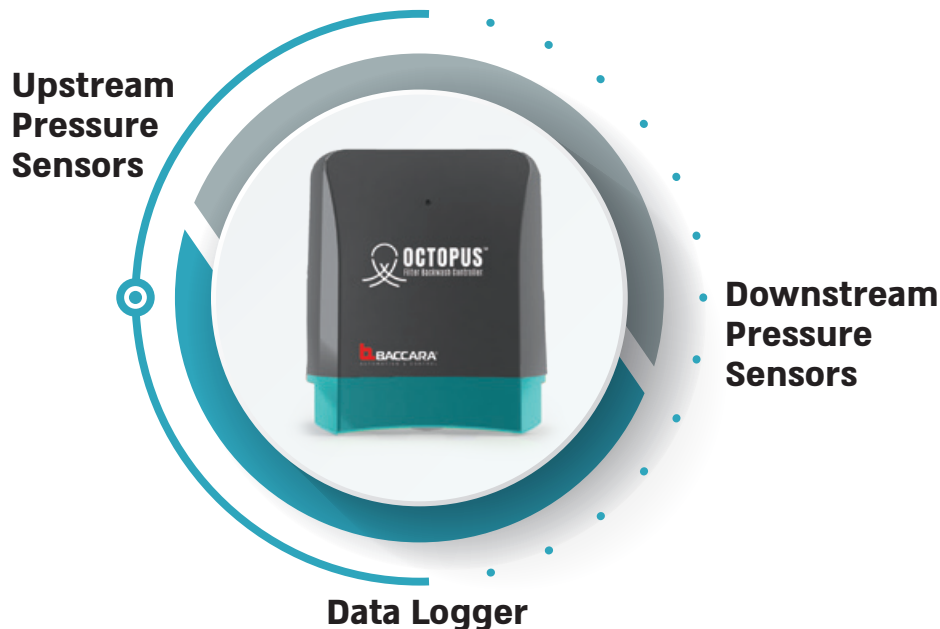
# The Octopus Filter Backwash Controller





# Filter Backwash Controller

The new OCTOPUS automatic backwash controller by Baccara is equipped with new, innovative sensing technology to measure upstream, downstream, and differential pressures. This technology provides the most accurate water pressure detection allowing precise backwash filtration system management, at the same time, improving efficiency and saving costs.



## FEATURES & BENEFITS

### Backwash Triggers

- Backwash triggers:
  - Differential pressure up to 10 bars
  - Time interval
  - Manual start command

### Data Logger

- Downloadable data logger Date & Time records:
  - DP
  - Backwash intervals
  - Manual starts
  - Battery status
  - Upstream & downstream pressure readings

### Alarm Management

- Fault alarm via dry contact sensor with irrigation controller
- Alarm and backwash outputs for communicating with irrigation controllers

### Applications

- Agriculture and Greenhouse filtration systems
- Landscape and Turf filtration systems
- Capable of backwashing up to 10 filters

### Filtration systems type

- Media
- Screen
- Disc

### Models



**Octopus 3**  
for 1-3 filters +  
downstream valve

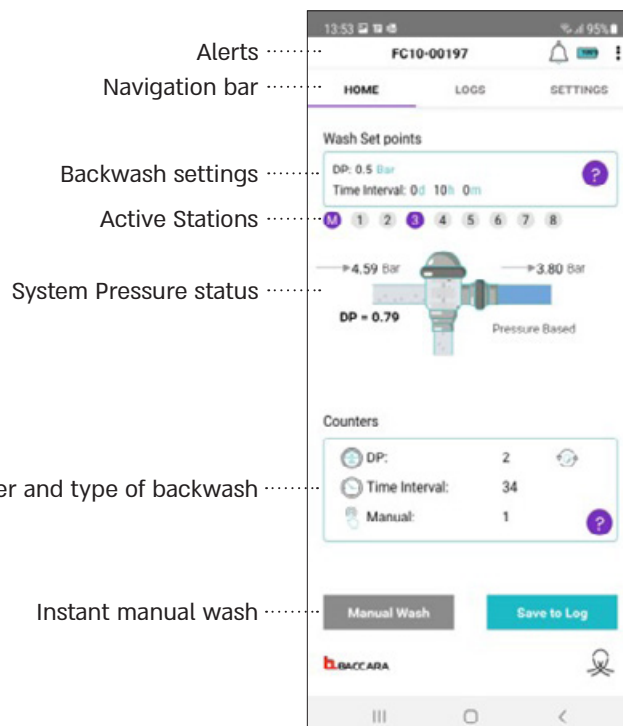


**Octopus 10**  
for 1-10 filters +  
downstream valve

## OCTOPUS MOBILE CONTROL

The Octopus app provides full control of the Octopus controller and enables the user to set backwash parameters and alerts.

- Wireless communication between the controller and the smartphone
- Real time readings & downstream pressure read
- Real time DP readings
- Backwash data logger
- Alerts management tool



## SAFETY MECHANISM & ALERTS

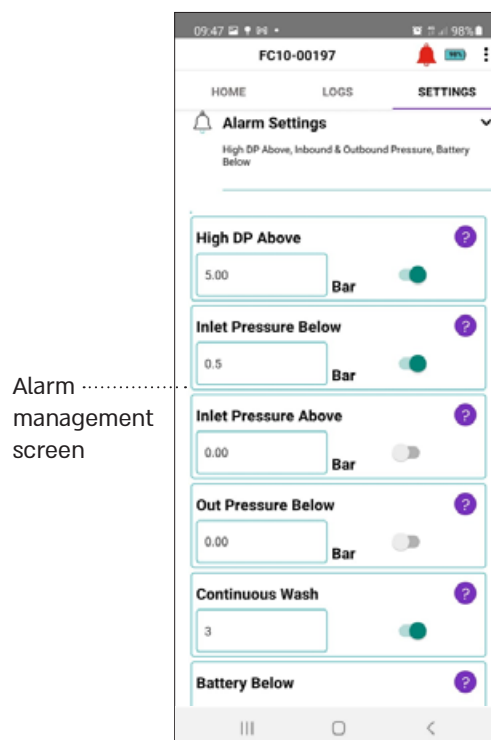
Consecutive backwash cycles protection settings

### System Alerts:

- DP above value
- Inlet pressure below value
- Inlet pressure above value
- Outlet pressure below value
- Continuous wash alert
- Low battery

### Available in 9 Languages:

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



## TECHNICAL DATA

- Construction materials: UV resistant ASA
- Temperature range: -10°C to 60°C
- IP 65
- Power supply: battery, solar, external source 9-12V
- Outputs: 1-3 DC Latch + Downstream valve
- Outputs: 1-10 DC Latch + Downstream valve

### Dimensions

#### Octopus 10 / Octopus 3

Depth: 97mm / 3.82 inch  
Height: 190mm / 7.48 inch  
Width: 140mm / 5.51 inch

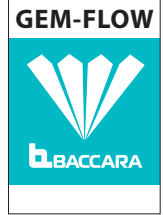


# Next generation of agricultural solenoids

## Specially designed for filtration systems to provide maximum efficiency

Baccara's new solenoids for quick hydraulic response designed for filtration systems and improved performance.

Octopus combined with the GEM-FLOW solenoids provides the optimal combination for filter backwash performance.



### GEM-FLOW | G75-A3P

- Latch solenoid
- Port size: 1/8" BSP & NPT
- 2.6mm orifice
- Pressure up to 10 bars
- 2Way NC, 3Way NO, 3Way NC
- Plastic base
- 3 positions latch manual override



### GEM-FLOW | G75-P

- Latch solenoid
- Port size: 1/4" BSP & NPT
- Large orifice 6.5mm
- Pressure up to 10 bars
- 3Way NO, 3Way NC
- Compatible with AC/DC latch
- Manual override



### GEM-SOL | GEM-A3P

- Latch solenoid
- Port size: 1/8", 1/4" BSP & NPT
- Large orifice sizes up to 4.0mm
- Pressure up to 16 bars
- 2Way NC, 2Way NO, 3Way NO, 3Way NC
- Brass base
- 3 positions latch manual override

