



Filter

HI-FLO 3e

24" – 30"

Technical Sheet



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GENERAL

Hi-Flo 3e automatic filters are controlled by a piston-type hydraulic valve, which opens and closes a series of passages to direct the water during the service and recharging phases.

During the service phase, the water for filtration passes through the filtering materials from top to bottom and flows out free from unwanted elements.

The backwashing should take place when a certain pressure drop is reached, or when unwanted elements re-appear in the treated water.

The recharging starts with a backwashing.

During backwashing the water flows from bottom to top, through the filtering minerals, in order to carry the undesired elements which have been trapped in the filter to the drain and to upgrade the filtering beds; in the flow-direction rinsing phase, the water flows from top to bottom, through the filtering minerals, to precondition the mineral bed for service.



Both backwashing and rinsing are controlled by flow regulator.

The vertical cylindrical-shaped container is made of fiberglass reinforced corrosion-resistant material (FRP).

Filters include a check valve with wired volumetric meter.

The regeneration method and times are set in the programming of the GBE control unit.

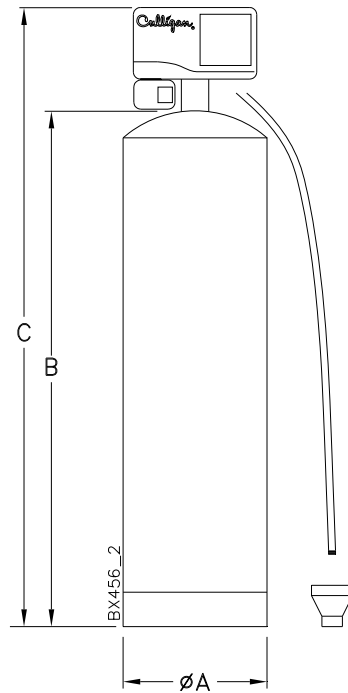
Manual starting of the recharging cycle, with return to service, is also possible and provided for.

The **Hi-Flo 3e** models are:

- **Filtr-Cleer (UF)**, to eliminate any type of turbidity from the water, and small quantity of Iron and Manganese;
- **Cullar (UR)**, to eliminate unwanted odours, tastes and colours from the water;
- **Super Iron (UFP)**, to remove Iron and Manganese;
- **Cullax (UFX)**, to remove Arsenic;

SAFETY WARNINGS

- **Equipment for the treatment of potable water, conforming with the requirements of Min. Decree 25/2012.**
- Refer to the technical manual supplied with the system for all information and instructions.
- **The water softener must be installed by qualified personnel, in compliance with Min. Decree 37/08, the best state of the art and in conformity with the instructions given in the technical manual.**
- Any handling, installation, maintenance and repair work on the systems must be carried out by qualified personnel in compliance with Min. Decree 37/08, the best state of the art and in conformity with the instructions given in the technical manual.
- The place where the systems, auxiliary material and consumables are located must comply with the storage, use and safety requirements of the current regulations.
- The water produced by every unit must only be used for its specifically intended purpose. Culligan declines any liability for the consequences of improper use of the water produced by its equipment.
- Any operation fault in the systems must be promptly reported to the Culligan Service Center. Culligan declines any liability for the consequences of prolonged use of a faulty system.
- When necessary, the choice, dosing and handling of chemicals must be done by professionally qualified personnel, complying with the instructions given by Culligan and in the Technical Safety sheets.
- Waste or consumable materials from the water treatment systems must be disposed of in accordance with the current regulations.
- Do not place the device on top of other electrical appliances.
- Position the device away from heat sources.
- In case of an anomaly (water leaks, etc.), disconnect the power supply and close the water inlet shutoff valve.
- Culligan also declines any liability in the following specific cases:
 - improper use of the device;
 - use contrary to the specific national regulations (power and water supplies, installation and maintenance);
 - installation without following the instructions supplied in this manual;
 - power and water supply faults (electrical discharges – voltage rushes – water supply overpressure – low water pressure);
 - unsuitable ambient operating temperature;
 - inadequate maintenance;
 - unauthorized work or modifications;
 - use of non-original replacement parts or not specific for the model;
 - total or partial non-compliance with the instructions;
- For anything not specified, the operator must rely on common sense when using the device.



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TECHNICAL SPECIFICATIONS

Model	Flow Rate		Pressure loss max bar	IN/OUT Fitting Ø"	Operating pressure		Overall dimensions			Weight	
	Service max m ³ /h	Backwash m ³ /h			min. bar	max bar	A Ø mm	B * mm	C * mm	operating kg	shipping kg
FILTR-CLEER (UF)											
UF 24"	6,7	10	1	2	2	7	610	1829	2179	650	505
CULLAR (UR)											
UR 24"	6,7	4,5	0,3	2	2	7	610	1829	2179	560	411
UR 30"	11	6,8	0,3	2	2	7	762	1829	2179	955	655
SUPER IRON (UFP)											
UFP 24"	4,5	7	0,5	2	2	7	610	1829	2179	710	561
UFP 30"	7	10	0,5	2	2	7	762	1829	2179	1130	880
CULLAX (UFX)											
UFX 21"	3	3	0,5	2	2	7	533	1575	1925	450	376
UFX 24"	4,5	4,5	0,5	2	2	7	610	1829	2179	720	561
UFX 30"	6,8	6,8	0,5	2	2	7	762	1829	2179	1160	905

Power Supply: 110-230-24 V~ 50/60 Hz
 Temperature: min. 4 °C – max. 50 °C
 Installed Power: 10W
 * Margin ±2%