

# ECOSOFT PP MELT BLOWN SEDIMENT REPLACEMENT FILTERS

## DESCRIPTION:

The filters are intended to purify water from sediment particles such as rust, sand, scale, silt, etc.

The replacement filter is a roll of fiber polypropylene manufactured using melt blowing process.

The required degree of rigidity is achieved without using a core by melting fibers into a rigid structure

## KEY FEATURES:

1. Protection of plumbing and sanitary ware
2. Stable characteristics for retention of the particles
3. high melt flow PP manufactured in the EU
4. Standard size replacement filters



## SPECIFICATIONS:

Code	Size	Operating water temperature °C (°F)	Recommended flow rate LPM (GPM)	Maximum capacity L (gal)	Maximum capacity month
CPV25101ECO	9 7/8" x 2 1/2" (250±1 mm x 60±1 mm)	+3...+43 (37...109)	8.0 (2.0)	10 000 (2 700)	6
CPV25105ECO	9 7/8" x 2 1/2" (250±1 mm x 60±1 mm)	+3...+43 (37...109)	8.0 (2.0)	10 000 (2 700)	6
CPV251010ECO	9 7/8" x 2 1/2" (250±1 mm x 60±1 mm)	+3...+43 (37...109)	8.0 (2.0)	10 000 (2 700)	6
CPV251020ECO	9 7/8" x 2 1/2" (250±1 mm x 60±1 mm)	+3...+43 (37...109)	8.0 (2.0)	10 000 (2 700)	6
CPV2510HWECO	9 7/8" x 2 1/2" (250±1 mm x 60±1 mm)	+3...+75 (37...167)	8.0 (2.0)	10 000 (2 700)	6
CPV25205ECO	20" x 2 1/2" (510±2 mm x 60±1 mm)	+3...+43 (37...109)	15.0 (4.0)	20 000 (5 400)	6
CPV25305ECO	30" x 2 1/2" (760±2 mm x 60±1 mm)	+3...+43 (37...109)	20.0 (5.0)	30 000 (8 100)	6
CPV25405ECO	40" x 2 1/2" (1019±2 mm x 60±1 mm)	+3...+43 (37...109)	25.0 (6.0)	40 000 (10 500)	6
CPV45105ECO	10" x 4 1/2" (254±1 mm x 114±1 mm)	+3...+43 (37...109)	15.0 (4.0)	40 000 (10 500)	6
CPV45205ECO	20" x 4 1/2" (510±2 mm x 114±1 mm)	+3...+43 (37...109)	30.0 (8.0)	80 000 (21 000)	6
CPV452020ECO	20" x 4 1/2" (510±2 mm x 114±1 mm)	+3...+43 (37...109)	30.0 (8.0)	80 000 (21 000)	6

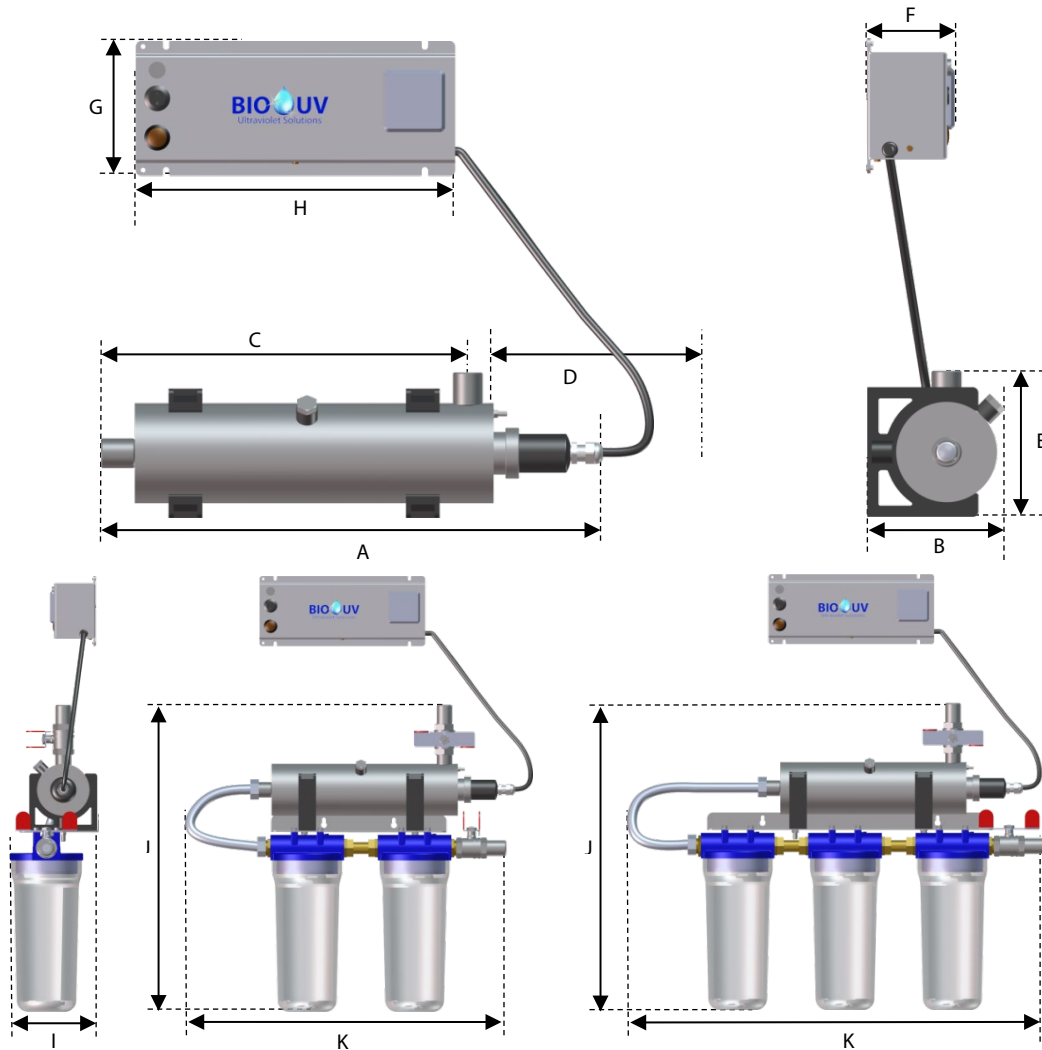
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Code	Product	Pieces in box	Boxes on pallet	Pieces on pallet
CPV25101ECO	<b>PP melt blown sediment filter 2.5"×10" 1 micron</b> Unit weight (net/gross), kg: 0.1/0.1 lb: 0.22/0.22 Box dimensions, m: 0.37 x 0.26 x 0.51 in: 14.6 x 10.2 x 20.1	48	48	2 304
CPV25105ECO	<b>PP melt blown sediment filter 2.5"×10" 5 micron</b> Unit weight (net/gross), kg: 0.1/0.1 lb: 0.22/0.22 Box dimensions, m: 0.37 x 0.26 x 0.51 in: 14.6 x 10.2 x 20.1	48	48	2 304
CPV251010ECO	<b>PP melt blown sediment filter 2.5"×10" 10 micron</b> Unit weight (net/gross), kg: 0.1/0.1 lb: 0.22/0.22 Box dimensions, m: 0.37 x 0.26 x 0.51 in: 14.6 x 10.2 x 20.1	48	48	2 304
CPV251020ECO	<b>PP melt blown sediment filter 2.5"×10" 20 micron</b> Unit weight (net/gross), kg: 0.1/0.1 lb: 0.22/0.22 Box dimensions, m: 0.37 x 0.26 x 0.51 in: 14.6 x 10.2 x 20.1	48	48	2 304
CPV2510HWECO	<b>PP melt blown sediment filter for hot water 2.5"×10" 5 micron</b> Unit weight (net/gross), kg: 0.1/0.1 lb: 0.22/0.22 Box dimensions, m: 0.37 x 0.26 x 0.51 in: 14.6 x 10.2 x 20.1	48	48	2 304
CPV25205ECO	<b>PP melt blown sediment filter 2.5"×20" 5 micron</b> Unit weight (net/gross), kg: 0.21/0.22 lb: 0.46/0.48 Box dimensions, m: 0.32 x 0.33 x 0.52 in: 12.6 x 13.0 x 20.5	25	36	900
CPV25305ECO	<b>PP melt blown sediment filter 2.5"×30" 5 micron</b> Unit weight (net/gross), kg: 0.32/0.34 lb: 0.71/0.75 Box dimensions, m: 0.32 x 0.33 x 0.79 in: 12.6 x 13.0 x 31.1	25	21	525
CPV25405ECO	<b>PP melt blown sediment filter 2.5"×40" 5 micron</b> Unit weight (net/gross), kg: 0.43/0.45 lb: 0.95/0.99 Box dimensions, m: 0.32 x 0.33 x 1.03 in: 12.6 x 13.0 x 40.55	25	18	450
CPV45105ECO	<b>PP melt blown sediment filter BB10 4.5"×10" 5 micron</b> Unit weight (net/gross), kg: 0.45/0.46 lb: 0.99/1.01 Box dimensions, m: 0.24 x 0.36 x 0.52 in: 9.5 x 14.2 x 20.5	12	42	504
CPV45205ECO	<b>PP melt blown sediment filter BB20 4.5"×20" 5 micron</b> Unit weight (net/gross), kg: 0.90/0.92 lb: 1.98/2.03 Box dimensions, m: 0.24 x 0.36 x 0.52 in: 9.5 x 14.2 x 20.5	6	42	252
CPV452020ECO	<b>PP melt blown sediment filter BB20 4.5"×20" 20 micron</b> Unit weight (net/gross), kg: 0.90/0.92 lb: 1.98/2.03 Box dimensions, m: 0.24 x 0.36 x 0.52 in: 9.5 x 14.2 x 20.5	6	42	252



# DATA SHEET UV HOME

## A. DIMENSIONS FOR UV HOME RANGE



DESIGNATION	A	B	C	D	E	F	G	H	I	J	K	Flanges	Reactor weight (kg)	Operating pressure (bar)
	Dimensions in mm													
UV HOME 2	446	122	326	446	130	77	120	284				Male threaded 3/4"	2	6
UV HOME 3	717	122	596	717	130	77	120	284				Male threaded 3/4"	3,1	6
UV HOME 4	1067	159	871	1067	136	77	120	284				Male threaded 1"	4,5	10
UV HOME 6	1072	154	865	1072	160	77	120	284				Male threaded 1 1/2"	6,7	10
UV HOME 9	1325	155	1119	1325	158	77	120	284				Male threaded 1 1/2"	8,8	10
KIT UV HOME 2 / 2 FILTERS						77	120	284	152	527	532	Male threaded 3/4"	11,5	6
KIT UV HOME 2 / 3 FILTERS						77	120	284	152	527	708	Male threaded 3/4"	14,5	6
KIT UV HOME 3 / 2 FILTERS						77	120	284	152	527	789	Male threaded 3/4"	12,6	6
KIT UV HOME 3 / 3 FILTERS						77	120	284	152	527	844	Male threaded 3/4"	15,6	6

Certification : CE



## B. UV HOME GENERAL DESCRIPTION

HOME RANGE	UNIT	HOME 2 - 230V	HOME 3 - 230V	HOME 4 - 230V	HOME 6 - 230V	HOME 9 - 230V
<b>REACTOR</b>						
Material	-	304L stainless steel	304L stainless steel	316L stainless steel	316L stainless steel	316L stainless steel
Surface finish	-	Mirror polished	Mirror polished	Micro-blasted steel	Micro-blasted steel	Micro-blasted steel
Maximum operating pressure	bar	6	6	10	10	10
Weight	kg	2	3,1	4,5	6,7	8,8
Diameter	mm	90	90	90	114	114
Max length	mm	446	717	1067	1072	1325
Connection type	-	Male threaded	Male threaded	Male threaded	Male threaded	Male threaded
Connection	-	3/4"	3/4"	1"	1"1/2	1"1/2
Top drain	-	No	No	Yes	Yes	Yes
Bottom drain	-	No	No	No	No	No
Head loss <i>(lamps are end of life, at the worst point of the reactor)</i>	bar	<0,01	<0,01	0,01	0,006	0,012
<b>ELECTRICAL CABINET</b>						
Type	-	Independent, wall mounted	Independent, wall mounted	Independent, wall mounted	Independent, wall mounted	Independent, wall mounted
Material	-	Anodized Aluminium	Anodized Aluminium	Anodized Aluminium	Anodized Aluminium	Anodized Aluminium
Dimensions	mm	280x120x70	280x120x70	280x120x70	280x120x70	280x120x70
Cable length between cabinet/reactor	cm	75	75	75	75	75
Weight	kg	0,84	0,84	0,9	0,9	0,9
Cabinet ventilation	-	No	No	No	No	No
Power supply	V	220-240	220-240	220-240	220-240	220-240
Frequency	Hz	50	50	50	50	50
Cable type	-	Mains cable (1,5m)	Mains cable (1,5m)	Mains cable (1,5m)	Mains cable (1,5m)	Mains cable (1,5m)
Current rating	A	0,16	0,26	0,4	0,4	0,5
Absorbed power	W	36	61	96	96	116
Hours run counter	-	Electro-mechanic	Electro-mechanic	Electro-mechanic	Electro-mechanic	Electro-mechanic
Differential protection	-	No	No	No	No	No
Protection	-	Fuse 1A	Fuse 1A	Fuse 1A	Fuse 1A	Fuse 1A
On/Off switch	-	Yes	Yes	Yes	Yes	Yes
Power on indicator light	-	No	No	No	No	No
Lamp indicator light	-	Yes	Yes	Yes	Yes	Yes
<b>LAMPS UV</b>						
Number of lamps	-	1	1	1	1	1
Electrical power per lamp	W	33	55	87	87	105
Lamp type	-	High Output	High Output	High Output	High Output	High Output
UV power per lamp	W	8,5	17,5	28	28	35
Total UV power	W	8,5	17,5	28	28	35
Average life expectancy of 1 stop/start per day	h	13000	13000	13000	13000	13000
<b>POSSIBLES OPTIONS</b>						
PRO3 monitor with UV sensor	-	Yes	Yes	Yes	Yes	Yes
Buzzer on PRO3 monitor	-	Yes	Yes	Yes	Yes	Yes
Kit UV Home 2 filters	-	Yes	Yes	No	No	No
Kit UV Home 3 filters	-	Yes	Yes	No	No	No

The UV Home sanitizer can be sold with or without filters (Kit UV Home).

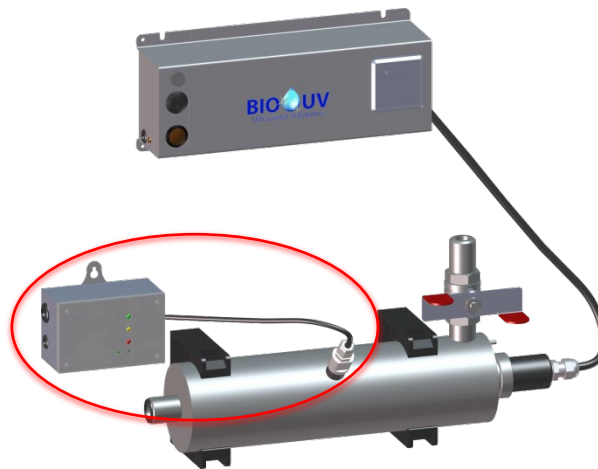
Each UV Home kit encloses (depending on the model) :

- A UV sanitizer and an electrical cabinet,
- Filters and matching cartridges (60 µ washable & reusable filter , 10 µ cartridge filter and possibly active carbon filter),
- Support for UV + Filters,
- Hoses,
- Valves,
- All unions needed for the installation

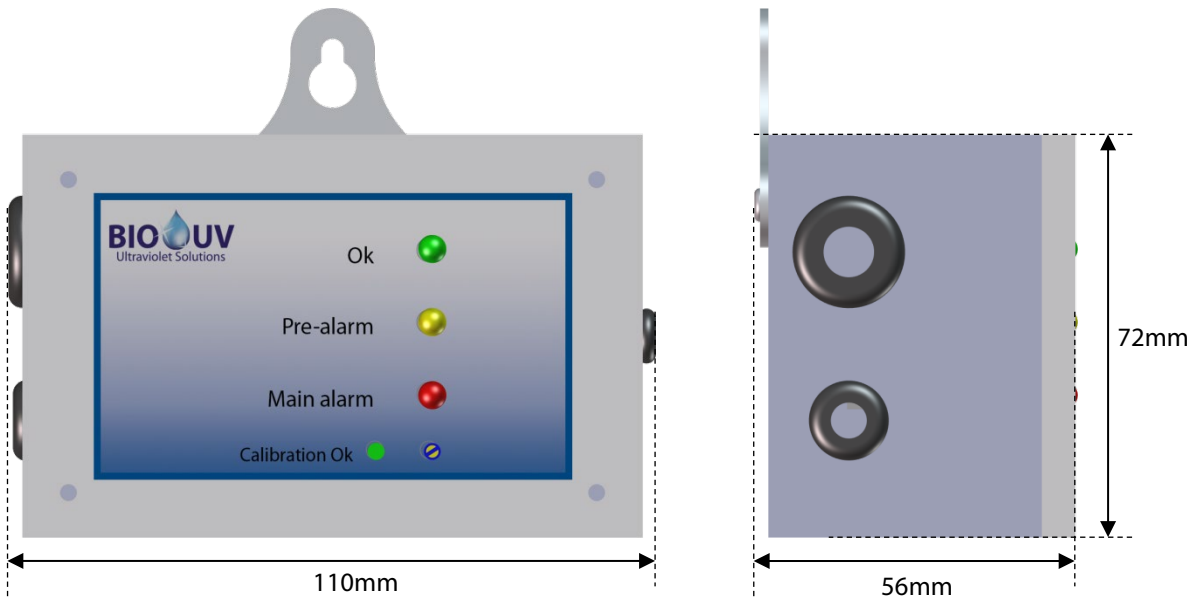


## C. UV SENSOR AND PRO3 MONITOR OPTION

### 1. Description



- Selective UV sensor limited at 254 nm of spectral sensitivity, with a PTFE housing
- Independent electrical cabinet :
  - ✓ Dimensions : 110mm x 72mm x 56mm
  - ✓ Wall mounted



- Alarm :
  - ✓ Green diode: working ok
  - ✓ Orange diode: pre-alarm (threshold <75%)
  - ✓ Red diode: main-alarm (threshold <50%)
  - ✓ "Main-alarm" volt-free contacts available on the card within the electrical cabinet allowing an alarm report or the cabling of an electronic valve
  - ✓ As an option, a buzzer can be added. It rings when the alarm is enabled (red LED on)

### 2. Advantages :

- PTFE sensor which limits the fouling of the sensor and as a consequence the maintenance operations.
- Independent electrical cabinet sold with a 1.5 m cable:
  - ✓ Easy installation
  - ✓ No overheating risk
- Easy maintenance: yearly calibration with a setting screw on the panel