

SOLUTIONS FOR LIQUID AND GAS FILTRATION



**"F" Range**

# Housings and accessories

[www.efiltec.fr](http://www.efiltec.fr)



## F10 FILTER HOUSING FOR FILTER SLEEVES

- **Light and compact filter in 2 parts**
- **Length : 3-1/3"**
- **Available with a wide range of liquid or gas filter sleeves for frame (some sleeves can be fitted without frame)**
- **Available with transparent bowl (styrene acrylonitrile or Durethan®), or opaque bowl (polypropylene)**
- **1/4" or 1/8" BSP connection**
- **Option plastic drain**
- **Brass positioning insert**
- **Ideal for filtration applications in cooling, irrigation, or drip systems**

Characterised by its small size (height 85 mm, wheelbase 56 mm) and low weight (70g), the F10 is ideal for applications where space is very limited. It is important to note that to remove the F10 and to replace the filter elements, the space must be at least 135 mm. The manufacture based on polymers (polypropylene, Durethan®) gives F10 excellent chemical compatibility with most fluids use. The range of filter elements made of porous plastic, stainless steel or washable synthetic fibre allows filtration from 5 µm to 350 µm. A different colour is used for each sleeve so that the filtration threshold used can be checked at a glance.

### ▶ OPERATING CONDITIONS

- **Maximum operating temperature:** 40°C
- **Maximum pressures:** 8 bar (PP) / 10 bar (Durethan®)
- **Capacity:** 26 cm<sup>3</sup> (2.6 L)
- **Maximum flow rate:** 0.4 m<sup>3</sup>/h

### ▶ RAW MATERIALS

- **Bowl** : glass fibre reinforced polypropylene (opaque) or Durethan® (transparent)
- **Head** : glass fibre reinforced polypropylene
- **O-ring** : nitrile
- **Sleeves** : -stainless steel, vyon and nylon for water filtration  
-epoxy and silicate for air filtration



### ▶ TECHNICAL SPECIFICATIONS

Efiltec PN	maximum Dimensions	in / Out	Weight	Bowl	Head
10001	85 mm x 55,5 mm (3-1/3")	1/8" BSPF	70 g	PP Blue	PP Blue
10002	85 mm x 55,5 mm (3-1/3")	1/4" BSPF	70 g	PP Blue	PP Blue
10060	85 mm x 55,5 mm (3-1/3")	1/4" BSPF	70 g	PP Black	PP Black
10052	85 mm x 55,5 mm (3-1/3")	1/4" BSPF	70 g	Durethan®	PP Black
10006*	85 mm x 55,5 mm (3-1/3")	1/4" BSPF	70 g	Durethan®	PP Blue

\*Equipped with a drain

## F20 FILTER HOUSING FOR FILTER SLEEVES

- Light and compact filter in 3 parts
- Length : 6-1/2"
- Available with a wide range of filter sleeves for liquids or gases to be mounted on frame
- Available with transparent bowl (styrene acrylonitrile or Durethan®), or opaque bowl (polypropylene)
- Option plastic drain
- 1/2", 1/4" or 3/8" BSP connection
- Brass positioning insert

A clamping ring gathers the bowl and the head which allows an easy manual assembly and disassembly. Without any particular clamping force, the sealing is ensured. The manufacture of the various parts based on polymers (filled polypropylene) gives the F20 excellent chemical compatibility with most fluids used.

The range of filter elements in porous plastic, stainless steel or washable synthetic fibre allows filtration from 25 µm to 1000 µm. The framework must be provided for all elements. A different colour is used for each filter sleeve so that the filter threshold used can be checked at a glance.

### ▶ OPERATING CONDITIONS

- Maximum operating temperature : 50°C
- Maximum pressure : 10 bar
- Capacity : 155 cm<sup>3</sup> (15,5 L)
- Maximum flow rate : 1,2 m<sup>3</sup>/h

### ▶ RAW MATERIALS

- **Bowl:** glass fibre reinforced polypropylene (opaque), SAN - styrene acrylonitrile or Durethan® (transparent)
- **Head:** polypropylene
- **Ring:** polypropylene
- **Drain:** polypropylene
- **Sleeves :** -stainless steel, vyon and nylon for water filtration  
-epoxy and silicate for air filtration



### ▶ TECHNICAL SPECIFICATIONS

Efiltec PN	Maximum dimensions	In / Out	Head	Bowl	Frame	Drain
20046	165 mm x 80 mm (6-1/2")	1/4" BSPF	blue	SAN	Yes	No
20053	165 mm x 80 mm (6-1/2")	1/4" BSPF	blue	SAN	Yes	Yes
20045	165 mm x 80 mm (6-1/2")	1/4" BSPF	black	SAN	Yes	Yes
20008	165 mm x 80 mm (6-1/2")	3/8" BSPF	blue	SAN	Yes	No
20020	165 mm x 80 mm (6-1/2")	3/8" BSPF	blue	SAN	Yes	Yes
20012	165 mm x 80 mm (6-1/2")	1/2" BSPF	blue	opaque	Yes	No
20024	165 mm x 80 mm (6-1/2")	1/2" BSPF	bleu	opaque	Yes	Yes
20009	165 mm x 80 mm (6-1/2")	1/2" BSPF	blue	SAN	Yes	No
20021	165 mm x 80 mm (6-1/2")	1/2" BSPF	blue	SAN	Yes	No
20050	165 mm x 80 mm (6-1/2")	1/4" BSPF	blue	opaque	Yes	Yes
20051	165 mm x 80 mm (6-1/2")	1/4" BSPF	blue	opaque	Yes	No
20028	165 mm x 80 mm (6-1/2")	3/8" BSPF	blue	opaque	Yes	No
20023	165 mm x 80 mm (6-1/2")	3/8" BSPF	blue	opaque	Yes	Yes

## F40 FILTER HOUSING FOR CARTRIDGES AND FILTER SLEEVES

- Two-part filter housing for DOE cartridges and sleeves
- Compatible with a wide range of nylon, stainless steel, or Vyon sleeves from 25 µm to 1 000 µm
- Polymer construction offers excellent chemical compatibility with most fluids used
- Push button vent to quickly equalize external and internal pressures before each cartridge change-out

This 9-3/4" high two-part housing is ideal for residential (limestone, dechlorination) and pre-filtration applications.

### ▶ OPERATING CONDITIONS

- **Temperature** : 50°C maximum
- **Maximum pression** : 8 bar maximum

### ▶ CONNECTIONS

- **Connections** : Brass inserts 3/4" BSPF

### ▶ RAW MATERIALS

- **Head** : Polypropylene
- **Bowl** : SAN\*

\*SAN : *Styrène Acrylo Nitrile*

### ▶ OPTIONAL ACCESSORIES

- Dismantling key
- Frame for sleeves
- Brass nipples 3/4"
- Brass nipples 3/4"-1"



### ▶ TECHNICAL SPECIFICATIONS

Efiltec PN	Designation	Properties
40002	Carter F40 9-3/4", E/S 3/4" BSP, Vent, blue, SAN	-
40004	Carter F40 9-3/4", E/S 3/4" BSP, Vent, blue, SAN	3/4" brass nipples

## F43 FILTER HOUSING FOR CARTRIDGES AND FILTER SLEEVES

- Three-part filter body for 9-3/4" and 10" cartridges and sleeves
- Compatible with a wide range of nylon, stainless steel, or Vyon sleeves from 25 µm to 1000 µm
- Polymer construction offers excellent chemical compatibility with most fluids used
- Available with push button vent

This 9-3/4" high three-part housing is ideal for residential (limestone, dechlorination) or pre-filtration applications.

### ▶ OPERATING CONDITIONS

- **Temperature** : 50°C maximum
- **Maximum pression** : 8 bar maximum

### ▶ CONNECTIONS

- **Connections** : Brass inserts 3/4" BSPF

### ▶ RAW MATERIALS

- **Head** : Polypropylene
- **Bowl** : Polypropylene/SAN\*

\*SAN : *Styrène Acrylo Nitrile*

### ▶ OPTIONAL ACCESSORIES

- Dismantling key
- Bracket and screws
- Frame for sleeves
- Brass nipples 3/4"-1"
- Brass nipples 3/4"-3/4"
- EPDM O-ring



### ▶ TECHNICAL SPECIFICATIONS

Efiltec PN	Designation	Properties	Vent
43063	Carter F43 9-3/4", 3/4" BSP Blue/SAN, inserts Brass	8mm connection seals	Yes
43070	Carter F43 9-3/4", 3/4" BSP Blue/SAN, inserts Brass	8mm connection seals, drain	Yes
43055	Carter F43 9-3/4", 3/4" BSP Blue/blue, inserts Brass	8mm connection seals	No

## F45 FILTER HOUSING DUPLEX FOR CARTRIDGES AND FILTER SLEEVES

- Three-part filter housing for 9-3/4" and 10" cartridges and sleeves
- Compatible with a wide range of nylon, stainless steel, or Vyon sleeves from 25 µm to 1000 µm
- Polymer construction offers excellent chemical compatibility with most fluids
- The monobloc head eliminates any risk of leaks
- Available with push button vent, optional plastic drain

This 9-3/4" high three-part housing is an ideal combined filtration system for residential applications requiring two actions in series (limestone combined with dechlorination for example) or progressive filtration.

### ▶ OPERATING CONDITIONS

- **Temperature** : 50°C maximum
- **Maximum pressure** : 8 bar maximum

### ▶ CONNECTIONS

- **Connections** : Brass inserts 3/4" BSPF

### ▶ RAW MATERIALS

- **Head** : Polypropylene
- **Bowl** : Polypropylene/SAN\*

\*SAN : Styrene Acrylo Nitrile

### ▶ OPTIONAL ACCESSORIES

- Dismantling key
- Bracket and screws
- Frame for sleeves
- Brass nipples 3/4"-1"
- Brass nipples 3/4"-3/4"
- EPDM O-ring



### ▶ TECHNICAL SPECIFICATIONS

Efiltec PN	Designation	Properties	Vent
45020	Carter F45 9-3/4", 3/4 BSP Duplex, Blue/SAN	8mm connection seals	Yes
45030	Carter F45 9-3/4", 3/4 BSP Duplex, Blue/SAN, inserts Brass	8mm connection seals, drain	Yes
45025	Carter F45 9-3/4", 3/4 BSP Duplex, Blue/blue, inserts Brass	8mm connection seals	No
45031	Carter F45 9-3/4", 3/4 BSP Duplex, Blue/blue, inserts Brass	8mm connection seals, drain	Yes

## F50 FILTER HOUSING FOR CARTRIDGES AND FILTER SLEEVES

- Two-part filter body for DOE cartridges and 9-3/4" and 10" sleeves
- Compatible with a wide range of nylon, stainless steel or Vyon sleeves from 25 µm to 1000 µm
- Polymer construction offers excellent chemical compatibility with most fluids used  
Available with vent, plastic or brass drain

This 10" high two-part housing is ideal for basic pre-filtration applications. Available in opaque or transparent tank version, with or without drain.

### ▶ OPERATING CONDITIONS

- **Temperature** : 50°C maximum
- **Maximum pressure**: 8 bar (PP et SAN) / 10 bar (Durethan®)

### ▶ CONNECTIONS

- **Connections** : 1" BSPF

### ▶ RAW MATERIALS

- **Head** : Polypropylene
- **Bowl** : Polypropylene/SAN\*/Durethan®
- **O-ring** : Nitrile/Viton

\*SAN : *Styrène Acrylo Nitrile*

### ▶ OPTIONAL ACCESSORIES

- Dismantling key
- Frame for sleeves
- Brass nipples 1"-1"
- Brass nipples 3/4"-1"
- Brass nipples 1/2"-1"

### ▶ TECHNICAL SPECIFICATIONS

Efiltec PN	Designation	Head	Bowl	Vent	Properties
50007	Carter F50 10" - E/S 1" BSP	PP blue	SAN	Yes	
50008	Carter F50 10" - E/S 1" BSP	PP blue	SAN	Yes	Drain
50009	Carter F50 10" - E/S 1" BSP	PP blue	PP blue	Yes	Brass drain
50020	Carter F50 10" - E/S 1" BSP	PP blue	PP blue	Yes	Drain
50024	Carter F50 10" - E/S 1" BSP	PP blue	PP blue	Yes	
50047	Carter F50 10" - E/S 1" BSP	PP blue	Durethan®	Yes	
50049	Carter F50 10" - E/S 1" BSP	PP blue	Durethan®	Yes	Brass drain
50050	Carter F50 10" - E/S 1" BSP	PP blue	Durethan®	Yes	Drain



- Two-part filter housing for DOE cartridges and 9-3/4" and 10" sleeves
- Compatible with a wide range of nylon, stainless steel or Vyon sleeves from 25 µm to 1000 µm
- Robust brass head for metal-to-metal sealing
- Screw-in pressure relief vent to quickly equalize external and internal pressures before each cartridge change
- Optional cartridge centring device for adaptation of all types of cartridges
- The F60 10" housing with brass head - SAN bowl and in/out 1-1/4" BSPF is ACS certified for drinking water.

The 10" high F60-F70-F80 housings with brass head are particularly robust and suitable for high flow rates. Available in opaque or transparent bowl version, with or without drain.

### ▶ OPERATING CONDITIONS

- **Temperature** : 50°C maximum
- **Maximum pressure**: 8 bar (PP et SAN) / 10 bar (Durethan®)

### ▶ CONNECTIONS

- **F60** : 1" BSPF, 1-1/4" BSPF
- **F70** : 1-1/2" BSPF
- **F80** : 2" BSPF

### ▶ RAW MATERIALS

**Head** : Brass  
**Bowl** : Polypropylene/SAN\*/Durethan

\*SAN : *Styrène Acrylo Nitrile*



### ▶ OPTIONAL ACCESSORIES

Dismantling key  
Bracket and screws  
Frame for sleeves  
Brass nipples 3/4"-1"  
Brass nipples 3/4"-3/4"  
O-ring Nitrile



► TECHNICAL SPECIFICATIONS

**ACS**

Efiltec PN	Designation	Properties
<b>F60</b>		
60018	Carter F60 10", E/S 1" BSP Brass/PP Blue, vent	Brass drain, frame
60001	Carter F60 10", E/S 1" BSP Brass/SAN, vent	–
60005	Carter F60 10", E/S 1" BSP Brass/SAN, vent	Frame
60003	Carter F60 10", E/S 1" BSP Brass/SAN, vent	Brass drain
60007	Carter F60 10", E/S 1" BSP Brass/SAN, vent	Brass drain, frame
60041	Carter F60 10", E/S 1" BSP Brass/Durethan, vent	Brass drain
60002	Carter F60 10", E/S 1-1/4" BSP Brass/SAN, vent	–
60006	Carter F60 10", E/S 1-1/4" BSP Brass/SAN, vent	Frame
60004	Carter F60 10", E/S 1-1/4" BSP Brass/SAN, vent	Brass drain
60008	Carter F60 10", E/S 1-1/4" BSP Brass/SAN, vent	Brass drain, frame
60019	Carter F60 10", E/S 1-1/4" BSP Brass/blue, vent	Brass drain, frame
<b>F70</b>		
60016	Carter F70 10", E/S 1-1/2" BSP Brass/blue, vent	Brass drain, frame
60009	Carter F70 10", E/S 1-1/2" BSP Brass/SAN, vent	Frame
60022	Carter F70 10", E/S 1-1/2" BSP Brass/SAN, vent	Brass drain
60023	Carter F70 10", E/S 1-1/2" BSP Brass/SAN, vent	Centring device
60011	Carter F70 10", E/S 1-1/2" BSP Brass/SAN, vent	Brass drain, frame
60037	Carter F70 10", E/S 1-1/2" BSP Brass/SAN, vent	Brass drain, centring device
60030	Carter F70 10", E/S 1-1/2" BSP Brass/Durethan, vent	Brass drain, frame
<b>F80</b>		
60021	Carter F80 10", E/S 2" BSP Brass/SAN, vent	Brass drain
60010	Carter F80 10", E/S 2" BSP Brass/SAN, vent	Frame
60024	Carter F80 10", E/S 2" BSP Brass/SAN, vent	Centring device
60012	Carter F80 10", E/S 2" BSP Brass/SAN, vent	Brass drain, frame
60038	Carter F80 10", E/S 2" BSP Brass/SAN, vent	Brass drain, Centring device
60013	Carter F80 10", E/S 2" BSP Brass/Durethan, vent	Brass drain, frame
60017	Carter F80 10", E/S 2" BSP Brass/blue, vent	Brass drain, frame

