



**INFIFILTRATION** ▶

HEAVY DUTY

**NON-TOXIC FILTER HOUSING**

#SMARTFILTRATION

# INFINITY



[www.infinityequipments.com](http://www.infinityequipments.com)

# DESIGNED FOR LARGE-CAPACITY HIGH FLOW APPLICATION



- ▶ **5 TIMES** MORE RELIABLE.
- ▶ **ALL BIG CARTRIDGE** SUITABLE.
- ▶ **20" LENGTHS** AVAILABLE.
- ▶ **10 BAR TESTED** PRESSURE.
- ▶ **PRESSURE SPIKES** PROTECTED.
- ▶ **150 000 OPERATING** CYCLES TESTED.
- ▶ **UP TO 4.5" DIAMETER** CARTRIDGES SUITABLE.
- ▶ **REINFORCED PLASTIC USED** FOR BETTER STRENGTH.
- ▶ **PRESSURES RELIEVE SYSTEM** FOR CONVENIENT SERVICING.
- ▶ **SUITABLE FOR HIGH FLOW** APPLICATIONS.

INFINITY Mega Series **Non-Toxic Big Blue Filter** housings offer the versatility to meet all of your large-capacity filtration needs, including high-flow and heavy-sediment applications. The extra-large housing allows for greater cartridge capacity, reducing the number of vessels required for high flow-rate applications.

Sumps are available in **20"** lengths also compatible with a broad range of chemicals and are available with pressure relief button. They accept a wide variety of **4.5"** diameter cartridges. Housing comes with female **IN/OUT** connections at **1"** and **1.5"**, with BSP or NPT plastic & brass threads.

MEGA Series housings are suitable for every domestic **Point-of-Entry (POE)** or every industrial application when heavy-duty performance is a must it manufactured with the finest and most advanced materials under constant focus on innovative processing technologies and ceaseless modernization to ensure the absolute quality of our products.

It is certified under the most stringent certification procedure and standard.

All models are available with opaque blue/white bowls.

Custom combinations of colors are available upon minimum quantity.

A full set of accessories is available on demand to complete the housings kit: metal wall bracket, opening spanner and brass nipples with O-rings.

# APPLICATION

- ▶ **Municipal** Water
- ▶ **RO Pre** treatment
- ▶ **Home Drinking** Water
- ▶ **Industrial** Applications
- ▶ **Whole-House** Filtration
- ▶ **Commercial** Applications
- ▶ **Point of Entry (POE)** Filtration
- ▶ **Well Water sediment, dirt, rust** Removal



MUNICIPAL  
WATER



RO PRE  
TREATMENT



WASTE WATER  
TREATMENT



HOUSE  
FILTRATION



SEDIMENT, RUST, DIRT  
REMOVAL



INDUSTRIAL  
APPLICATION

# SPECIFICATION

<b>Temperature Rating</b>	4°C (39.2°F) - 45°C (113°F)
<b>Working Pressure</b>	14.50 psi / 1 bar - 130.50 psi / 9 bar
<b>Nom. Flow Rate</b>	0 - 115 L/min (0 - 6900 L/hr.)
<b>Port Size</b>	1", 1-1/2"
<b>Materials</b>	100 % Food graded virgin non-toxic (Suitable for drinking and industrial)
<b>Head</b>	Reinforced polypropylene
<b>Thread type &amp; MOC plated</b>	Plastic/CW 617 N brass nickel
<b>Bowl</b>	Reinforced polypropylene
<b>O-ring</b>	SILICON doubles O-ring
<b>Breather-valve</b>	Body polypropylene, O-ring SILICON
<b>Discharge ball-valve</b>	CW 617 N brass nickel plated
<b>Discharge nipple</b>	Reinforced polypropylene
<b>Manometers*</b>	Radial type, Range 0-7 bar, 0-100 psi

# ASSEMBLY KIT



**MEGA - F/Y**  
Sediment cartridge.  
CTO/GAC

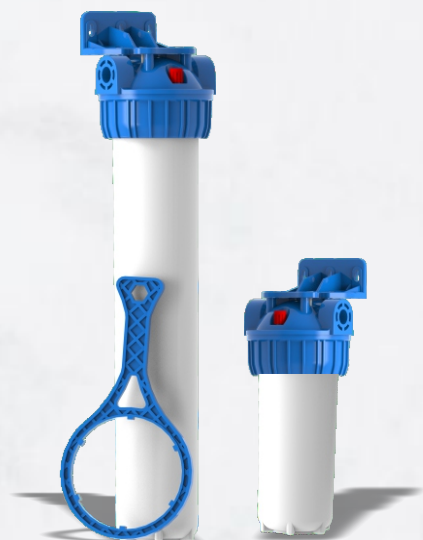


**MEGA - BFA KIT**  
Complete Kit for Bag Filter  
Assembly.



**MEGA - A/M-SOFT KIT**  
Complete Kit of rechargeable  
Softener with Auto/Manual MPV.

# INFINITY FINE SERIES SLIM FILTRATION HOUSING



- ▶ **5 TIMES** MORE RELIABLE.
- ▶ **ALL SLIM CARTRIDGE** SUITABLE.
- ▶ **20" & 10" LENGTHS** AVAILABLE.
- ▶ **7 BAR TESTED** PRESSURE.
- ▶ **PRESSURE SPIKES** PROTECTED.
- ▶ **100 000 OPERATING** CYCLES TESTED.
- ▶ **UP TO 2.5" DIAMETER** CARTRIDGES SUITABLE.
- ▶ **REINFORCED PLASTIC USED** FOR BETTER STRENGTH.
- ▶ **PRESSURES RELIVE SYSTEM** FOR CONVENIENT SERVICING.
- ▶ **1/2", 3/4" & 1" CONNECTION**

INFINITY **Fine Series Big Blue Filter** housings offer the versatility to meet all of your large-capacity filtration needs, including high-flow and heavy-sediment applications. The extra-large housing allows for greater cartridge capacity, reducing the number of vessels required for high flow-rate applications.

Sumps are available in **10" & 20"** lengths also compatible with a broad range of chemicals and are available with pressure relief button. They accept a wide variety of **2.5"** diameter cartridges. Housing comes with female **IN/OUT** connections at **1/2", 3/4" & 1"** with BSP or NPT plastic & brass threads.

FINE Series housings are suitable for every domestic **Point-of-Entry (POE)** or every industrial application when heavy-duty performance is a must it manufactured with the finest and most advanced materials under constant focus on innovative processing technologies and ceaseless modernization to ensure the absolute quality of our products.

It is certified under the most stringent certification procedure and standard.

All models are available with opaque blue/white bowls.

Custom combinations of colors are available upon minimum quantity.

A full set of accessories is available on demand to complete the housings kit: metal wall bracket, opening spanner.



# APPLICATION

- ▶ **Municipal** Water
- ▶ **RO Pre** treatment
- ▶ **Home Drinking** Water
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- ▶ **Whole-House** Filtration
- ▶ **Commercial** Applications
- ▶ **Point of Entry (POE)** Filtration
- ▶ **Well Water sediment, dirt, rust** Removal



MUNICIPAL  
WATER



RO PRE  
TREATMENT



HOUSE  
FILTRATION



SEDIMENT, RUST, DIRT  
REMOVAL



INDUSTRIAL  
APPLICATION

# SPECIFICATION

<b>Temperature Rating</b>	4°C (39.2°F) - 45°C (113°F)
<b>Working Pressure</b>	14.50 psi / 1 bar – 72.50 psi / 5 bar
<b>Nom. Flow Rate</b>	0 – 55 L/min (0 – 3300 L/hr.)
<b>Port Size</b>	1/2", 3/4" & 1"
<b>Materials</b>	100 % Food graded virgin non-toxic (Suitable for drinking and industrial)
<b>Head</b>	Reinforced polypropylene
<b>Thread type &amp; MOC plated</b>	Plastic
<b>Bowl</b>	Reinforced polypropylene
<b>O-ring</b>	SILICON O-ring
<b>Breather-valve</b>	Body polypropylene, O-ring SILICON
<b>Discharge ball-valve</b>	CW 617 N brass nickel plated
<b>Discharge nipple</b>	Reinforced polypropylene
<b>Manometers*</b>	Radial type, Range 0-7 bar, 0-100 psi

# ASSEMBLY KIT



**FINE 20" - F/Y**  
Sediment cartridge.  
CTO/GAC



**FINE 10" - F/Y**  
Sediment cartridge.  
CTO/GAC

SUPPORTING ACCESSORIES



HOUSING  
WRENCH



JUMBO/SLIM  
HOUSING  
PLATE



PRESSURE  
GAUGE  
0 - 7 BAR



PP BAG  
POLYPROPYLENE  
FIBER BAG



PPF (SPUN)  
POLYPROPYLENE  
FIBER CARTRIDGE



PPY (WOUND)  
POLYPROPYLENE  
YARN CARTRIDGE



CTO  
BLOCK CARBON  
CARTRIDGE



UF  
ULTRA FILTRATION  
CARTRIDGE



ALKMIN  
ALKALINE MINERAL  
CARTRIDGE

# INSTALLATION

**It is recommended the product to be installed by specialized service only.**

**It is recommended to install pressure regulator before filter water inlet.**

**IMPORTANT NOTICE! The before beginning of installation, main water supply valve must be shut-off.**

- Unscrew filter housing head from the body using wrench (remember to hold the wrench perpendicularly to the housing).
- Put a rubber oring on a threaded outside part of an adaptation fitting of a pressure gauge (brass element).

**IMPORTANT NOTICE! During the assembly caution must be taken in order not to damage the oring.**

**IMPORTANT NOTICE! BEFORE INSTALLATION GREASE THE ORING WITH A PARAFFIN JELLY.**

- Put a rubber oring on a threaded inside part of the adapter fitting of the pressure gauge (brass element).

**IMPORTANT NOTICE! BEFORE INSTALLATION GREASE THE ORING WITH A PARAFFIN JELLY.**

- Screw out one of the pressure relief valve screws.  
Installation of the pressure gauge on a housing water input, will result in indication of a pressure in a system.  
Installation of the pressure gauge on a housing water output, will result in indication of the pressure in the system (lowered by a pressure drop caused by a filter cartridge).

**IMPORTANT NOTICE! DEPENDING ON MODEL OF THE FILTER CARTRIDGE, PRESSURE DROPS WILL DIFFER. PRESSURE GAUGE INDICATION WILL BE DIFFERENT AS WELL.**

- Using a wrench screw in the adapter fitting of the pressure gauge into a chosen site on water input or output.

**IMPORTANT NOTICE! SCREW IN UNTIL FIRST RESISTANCE.**

- Attach mountain bracket to the filter housing's head.
- Install mounting bracket to filter housing head using four mounting screws in openings 1,2,3,4 (Fig. 2).
- Using wrench, screw a pressure gauge into an adapter fitting (until first resistance).
- Cut water supply pipe.
- Install mounting bracket with housing head on the wall in order to secure the installation.
- Install water supply shut-off valves (valves should be installed before water enters and after water exits from filter housing).
- Depending on the type of installation select appropriate fittings and mounting method.
- Connect pipes with filter head using previously selected connection adapters.

**IMPORTANT NOTICE! Remember to keep proper direction of water flow as indicated by signs (IN Inlet, OUT Output).**

- Place filter cartridge for water inside filter housing.
- Spread cosmetic Vaseline onto O-ring and place it on housing body.
- Connect and tighten filter head and body using wrench (remember to hold the wrench perpendicularly to the housing).

## WARNING!

**To seal threaded connection use only Teflon tape. Do not use it with cone-shaped (tapered) connections type.**

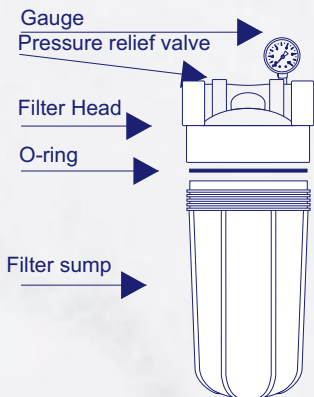


Fig. 1

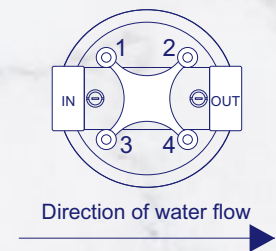


Fig. 2  
Filter housing head - top view

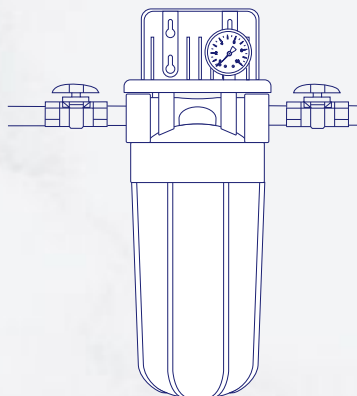


Fig. 3