

High quality in-line disposable 0.45 micron filters

Features

- 0.45 micron pore size.
- Easy connection to most sampling devices and tubing.
- Samples filtered instantly.
- Certified for dissolved metals sampling.

CERTIFICATION			
This certifies that Waterra FHT-45 inline filters now with PES media exhibit the following average rinse analysis when their effluent is tested using ICP/MS method. All analysis is performed by Maxxam Analytics Inc, 6740 Campbell Rd, Mississauga, Ontario L4N1L2.			
Element	ICP/MS µg/L	Element	ICP/MS µg/L
Ag	<0.1	Mo	<1
Al	<5	Nb	<0.05
As	<1	Ni	<1
B	<10	P	<0.05
Ba	<5	Pb	<0.5
Bi	<0.5	Se	<0.5
Br	<1	Sn	<2
Ca	<200	Si	<50
Cd	<0.1	Sp	<1
Co	<0.5	Sr	<1
Cr	<5	Ti	<5
Cu	<1.5	Tl	<0.05
Fe	<100	U	<0.1
K	<200	V	<1
Mg	<50	Zn	<5
Mn	<1	Yb	<1
P	<2	Li	<5
Zr	<1	Yt	<1

Filter Lot Number: 37250849 319
Manufacturer Ship Date: 03/25/09

FHT-45 metals
analysis certificate

FHT-45

Surface area	600 cm ²
Filter media	Polyethersulphone
Connector	Threaded with barb
Connect to tubing ID	10mm & 12mm
Use	Water with high turbidity/ high suspended solids
Certification	Yes



FHT-Disk

Surface area	20 cm ²
Filter media	White acrylic co-polymer coating over a non-woven substrate
Connector	Tapered barb
Connect to tubing ID	6mm to 12mm
Use	Water with low turbidity/ low suspended solids
Certification	No



Ideal for use with...



Bailers



Inertial pumps



Suction pumps



Peristaltic pumps



Submersible pumps



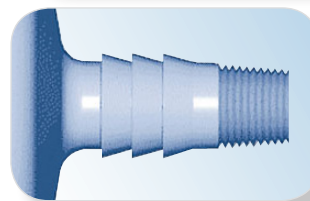
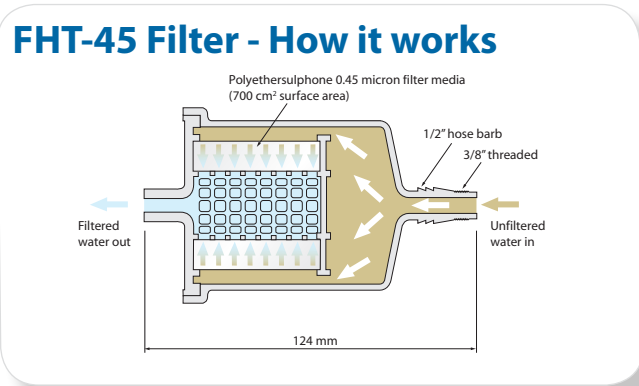
Bladder pumps

FHT-45 & FHT-Disk In-Line Disposable Filters

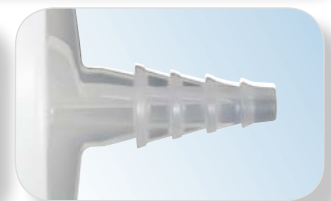
Waterra in-line disposable filters are easy to use with bailers and most sampling pumps. They are primarily used for field filtration of water samples being collected for inorganic and dissolved metals analysis. The unique open pleat geometry provides maximum media exposure. Choose from our 20cm² disc filters (for low turbidity samples) or highly efficient 600 cm² FHT-45 filters to ensure that even with the most turbid samples, you will not lose filtration media to blinding.

Easy fit connectors

Waterra filters offer the user greater flexibility over competitor products by providing tapered and threaded inlets. The FHT-45 filter incorporates both a 10 mm (3/8") threaded adaptor and a 12 mm (1/2") hose barb. The FHT-Disk filter has a tapered 6 to 13mm hose barb allowing the filter to be attached easily to a variety of bailers, pumps and tubing sizes.



FHT-45 easy fit 10mm threaded & 12mm barbed inlet connection



FHT-Disk 6 to 12mm tapered barbed inlet & outlet connection

Metals Sampling

Waterra in-line filters allow the filtration process to be carried out simply and quickly in the field so that samples can be immediately acidised and dissolved metals content reliably established.

Most laboratory analytical methods for dissolved metals analysis in groundwaters require that the sample must be pre-filtered through a 0.45 micron pore size filter. This removes any suspended particulate matter that may contain or carry metals.

Filtration combined with acidisation of groundwater is best carried out at the time of sampling. This ensures that during the time it takes to deliver a sample to the laboratory any suspended solids collected with the sample do not dissolve and add to the natural dissolved metals concentration. Conversely, this procedure also avoids loss by precipitation of some dissolved metals which can occur when groundwater is sampled from acidic environments.

FHT-45 - Rinsed and Certified

FHT-45 filters are pre-rinsed with one litre of de-ionized water to ensure purity, and are independently certified to rinse clean for dissolved metals sampling. One in every 100 filters is pre-rinsed with 250ml of de-ionised water which is then independently analysed for a wide range of metals. Certificates are supplied with every box of 100 filters and can be supplied on request for smaller order quantities.