

MEGAPLEAT

Liquid Cartridge Filters

Product Information

The filter cartridge is designed to MEGAPLEAT Filtration more fluid streams. It has closely specific efficiency defined for a given gradation filter at 99.98% efficiency. is verified multipass test and laser a particle counter. The filter works in the flow of inside to the outside (contamination maintained They are inside the cartridge), acting in the economic alternative cartridges HFU.



Feature distinctive contribution the use of deep pleating, making better surface filter, which equals technology and Ultipleat optimized dynamics flow between the pleats. This translates to very high capacitance pollution and significantly increase operating time input and allows you to utilize large flows

Filters with external reinforcement in the form extruded polypropylene mesh

Filters are produced in a controlled environment certified according to ISO 9001: 2008, which It guarantees the high quality of the final product.

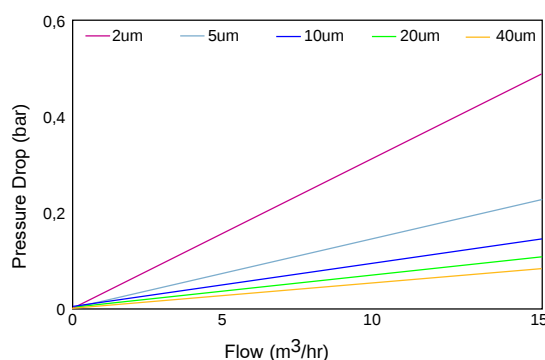
FOOD SAFETY

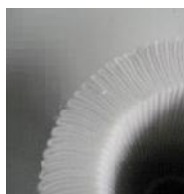
MEGAPLEAT filter cartridges meet the requirements of Directives on food contact and migration of fibers 82/711 / ECC, 85/572 / ECC, 89/109 / ECC 93/8 / ECC, 97/48 / EC, 2001/61 / EC 2002/16 / EC, 2002/72 / EC and 2004/19 / EC

- ❑ The filtration efficiency of 99.98%
- ❑ A wide range of filtration, from 2 to 100 μm
- ❑ The structure is consistent with the standards HFU and fits into existing installation
- ❑ Special geometry of cartridge allows work with high pressure drop, up to 3.8 bar
- ❑ High performance multi-media filter with special pore structure
- ❑ The technology of deep pleated guarantees high flow rates and long life
- ❑ High capacity of dirt removal
- ❑ Thermally welded construction
- ❑ Dirt keep inside filter element
- ❑ The applicability of the individual elements for large liquid streams
- ❑ Time-saving service and location installations
- ❑ Materials in accordance with EU directives

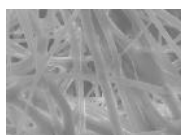
Pressure Drop vs Flow

The table indicates the pressure drop for an item of length of 20 "water 1CP @ 20 ° C

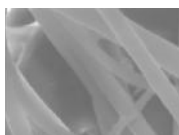
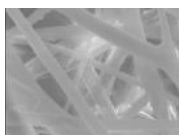
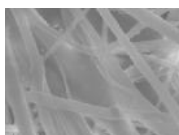




Deep Pleated Technology



Filter Media



←
Flow Direction

Materials

Filter Media	:	melt blown polipropylen
External Core	:	polipropylen
Filter Supports	:	polyester
Filter Ends	:	polipropylen

External Core



Working Parameters

Maximum continuous working temperature :

$$T_{\max} = 82^{\circ}\text{C}$$

The maximum temperature of the batch operation:

$$T_{\max} = 90^{\circ}\text{C}$$

The maximum pressure drop:

$$\Delta P = 3,5 \text{ bar}$$

The recommended replacement of the pressure drop:

$$\Delta P = 2 \text{ bar}$$

Order Code

UHFP150

Code	Lenght [inch]
2	20
4	40
6	60

Code	Efficiency [mikron]
020	2
050	5
100	10
200	20
400	40
700	70
900	90
1000	100

Code	Gasket Material
B	Rubber (NBR)
E	EPDM
S	Silicon
V	Viton



ChemTech

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