

## Filter cartridge – premium wound amaTech CW – UW – NW – EW

amafilter – LFC Lochem (Filtration Group Process Systems) amaTech premium wound filter cartridges represent the state of the art in wound depth filtration technology. amaTech premium wound filter cartridges are manufactured under strict quality procedures. Each batch is tested on weight, length and air permeability, ensuring that each cartridge has the same high quality.

### Features

- Nominal depth filtration
- Highly effective depth filtration
- High quality yarn
- Wide chemical compatibility
- Centre cores available in 4 different materials
- In-house manufacturing centre cores
- Core cover, extended cores and end-caps available
- Length available from 10 to 40 inch, other lengths on request)

### Cartridge filter housing

Filtration Group supplies a wide range of cartridge filter housings in different materials, dimensions and models to meet your demands.

For detailed information about cartridge filter housings, please see the respective data sheets or visit [www.ama-lfc.com](http://www.ama-lfc.com)



### Typical application

- Potable water
- Process water
- Food and beverage
- Edible oils
- Organic solvents
- Acids (diluted or concentrated)
- Alkalies
- Condensate

### Standard Specification

- Filter medium: bleached cotton, polypropylene, nylon, polyester
- Micron rating: 0.5 up to 150 micron
- Length: 10, 20, 30, or 40 inch as standard. Special length available on-request
- Centre core: polypropylene, stainless steel 304, stainless steel 316 or tinned steel
- Core cover: compatible with filter medium
- Hard ware: polypropylene
- End cap seal: thermally bonded
- Gaskets/O-rings: silicone, EPDM, NBR or FPM
- External diameter: 64 mm
- Filtration area: 0.05 m<sup>2</sup>/10" cartridge
- Maximum recommended differential pressure: 2.5 bar
- Maximum (operating) temperature:
  - CW: 145 °C
  - UW: 90 °C
  - NW: 120 °C
  - EW: 120 °C

### Customer support

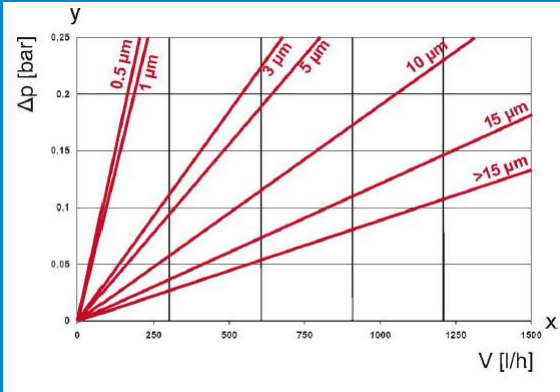
Filtration Group can support you regarding the chemical compatibility of the filter media and give advice to select appropriate product.

\* Temperature is indicative and depends on application and type of centre core.

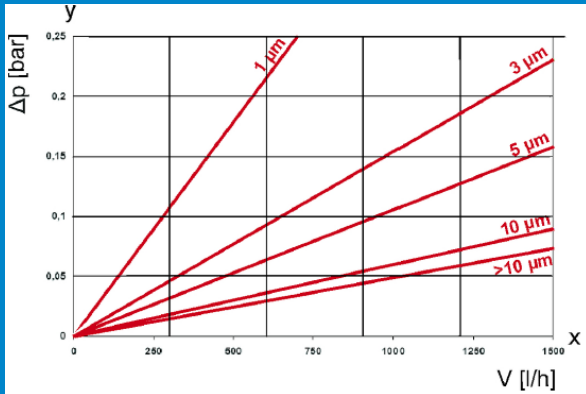
→ [www.ama-lfc.com](http://www.ama-lfc.com)

## Water flow rate

### amaTech CW 10" length



### amaTech others 10" length



V: Flow rate [l/h]

Y: Clean pressure drop [bar]

## Ordering information

1 2 3 4 5 6 7 8 9

Example: UW020-A-20U--X3E-1PK

### 1 Filter medium

CW = bleached cotton  
UW = polypropylene  
NW = nylon  
EW = polyester

2 Micron rating [μm] = 0.5, 1, 3, 5, 10, 15, 20, 30, 50, 70, 100, 150

### 3 Diameter

A = 64 mm

### 4 Nominal length [inch]

10 = 10" (254 mm)  
20 = 20" (508 mm)  
30 = 30" (762 mm)  
40 = 40" (1016 mm)  
Other length on-request

### 5 Centre core

U = polypropylene  
A = stainless steel 304  
S = stainless steel 316  
T = tinned steel

### 6 Core Cover

No symbol = without core cover  
C = compatible with filter medium and equal to resistance of fiber and micron rating of filter cartridge

### 7 Cartridge style

No symbol = DOE, no gaskets  
X1 = Extended centre core (only for metal centre core available)  
X3 = SOE with external 222 O-rings  
X4 = DOE with flat gaskets  
X6 = SOE with flat-end, bayonet and external 226 O-rings  
X7 = SOE with fin-end, bayonet and external 226 O-rings  
X8 = SOE with fin-end and external 222 O-rings

### 8 O-Ring or gasket material

S = silicone  
N = NBR (Buna-N)  
E = EPDM  
V = FPM (Viton®)

### 9 Optional

1PK = single packed

© 2018 Filtration Group BV. All rights reserved. All trademarks and registered trademarks are the property of their respective owners. All information and recommendations appearing in this document concerning the use of products described herein are based on tests believed to be reliable. However, it is the user's responsibility to determine the suitability for his own use of such products. Since the actual use by others is beyond our control, no guarantee, expressed or implied, is made by Filtration Group BV as to the effects of such use or the results to be obtained. Filtration Group BV assumes no liability arising out of the use by others of such products. Nor is the information herein to be construed as absolutely complete, since additional information may be necessary or desirable when particular or exceptional conditions or circumstances exist or because of applicable laws or government regulations.