

Betterfit High Flow Cartridges HFC



| Technical Data | |
|--------------------|-----------------|
| Length: | 20" / 40" / 60" |
| β_x values: | 5000 |
| Separation rate: | 99.98 % |
| Filtration rating: | 3 – 70 μ m |

1. GENERAL

Product description

- Separation of impurities from low-viscosity liquids
- Suitable for applications with highest purity requirements and high flow rates
- Polypropylene filter elements are made from FDA listed materials
- Suitable for the usage as replacement for PALL Ultiplex High Flow and others*

Filter element technology

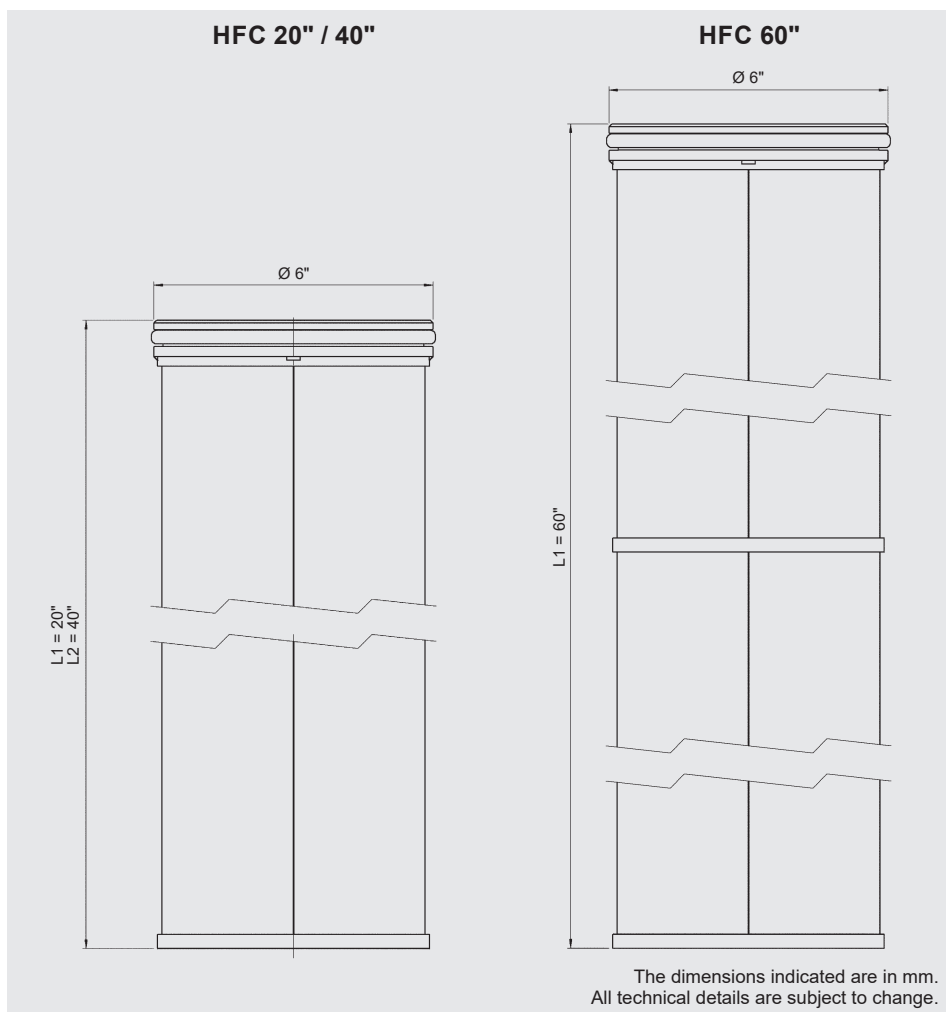
- Filter material: PP Mesh-Pack with innovative Processmicron® 3D-structure
- Filtration rating: 3 - 70 μ m
- Sealing material: EPDM O-Ring (others on request)

Typical Applications

- Water
- Seawater, prefiltration for desalination
- Amine washing
- Injection water
- Condensate filtration
- Catalyst separation (Hydrotreating)

| Technical Data Filter elements | |
|--|--------------------------------------|
| Max. permissible differential pressure Δp (from inside to outside) | 3.5 bar at 25 °C |
| Max. Temperature T_{max} | 80 °C at 2 bar differential pressure |
| Flow rate 20" | 20" = 40 m³/h |
| 40" | 40" = 80 m³/h |
| 60" | 60" = 114 m³/h |

2. DIMENSIONS



* Please use HYDAC Betterfit data base to check Betterfit availabilities → www.hydac.com → online tools → Betterfit

3. MODEL CODE

1 . 25 . XX P XX PP / XX

| Manufacturer |
|--------------|
| 1 |

| Series |
|-------------------|
| 25 = HighFlow HFC |

25 = HighFlow HFC

| | |
|--------|-----|
| Length | 20" |
|--------|-----|

20"
10"

40"
60"

60"

| Application |
|-------------|
| Process |

P = Process

Filtration rating in μm

03 / 05 / 10 / 20 / 30 / 40 / 50 / 70

[illegible]

PP = Processmicron® Polypropylene

| Sealing material |
|---------------------------|
| LEPR – Ethylene Propylene |

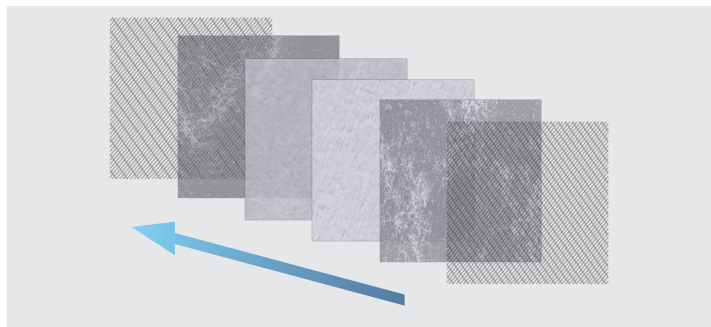
/-EPR = Ethylene Propylene

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4. FUNCTION AND SPECIAL FEATURES

FUNCTIONAL PRINCIPLE

- The medium to be filtered flows through the filter elements from the inside to the outside
- Impurities are separated on the inside of the filter elements
- With increasing amount of dirt, the differential pressure increases between the dirty and clean sides of the filter
- By reaching the maximum permissible differential pressure, filter elements must be replaced



FILTER ELEMENT TECHNOLOGY

- Graduated depth filtration
- Multi-layer filter material
- Robust and high-quality layer structure → no bending of the filter layers
- High dirt holding capacity
- Low pressure drop
- Coreless, plastic construction to minimise waste disposal



NOTE

The information in this brochure relates to the operating conditions and applications described.
For applications or operating conditions not described, please contact the relevant technical department.
All technical details are subject to change.

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