



Profile® UP Filter



Description

This Profile UP filter consists of a pleated, depth medium using the Ultipleat® filter geometry. The result is a resin trap, pre-RO or cooling water filter with superior flow vs. differential pressure capabilities.

- All polypropylene construction
- High particle removal efficiency
- Long service life
- Fixed pore structure
- Low extractables
- No surfactants or binder resins used during manufacture
- Available in many removal ratings
- Available in an RF configuration so the cartridge may fit into a housing designed to hold either a 64 mm or 70 mm / 2½ in or 2¾ in O.D. filter
- Very low clean pressure drop

Specifications

Materials

- Medium: Polypropylene
- Core, cage, end caps: Polypropylene
- Gasket: Polyethylene
- O-ring: Silicone

Removal Ratings

- 3.2 µm, 4.5 µm, 6 µm, 10 µm, 20 µm, 30 µm, 40 µm, 50 µm, 70 µm, 100 µm

Configurations

- RF style filter available as a 254 mm / 10 in, 508 mm / 20 in, 762 mm / 30 in, or 1016 mm / 40 in long filter cartridge
- Diameter: 64 mm / 2½ in
- Double open end, flat gasket welded to each end
- AB style Code 3, 7 and 8 available as 254 mm / 10 in, 508 mm / 20 in, 762 mm / 30 in, or 1016 mm / 40 in long filters

Operating Characteristics

- Maximum Differential Pressure:
 - 0.41 MPa @ 30°C / 60 psid @ 86°F;
 - 0.34 MPa @ 50°C / 50 psid @ 122°F;
 - 0.21 MPa @ 70°C / 30 psid @ 158°F;
 - 0.1 MPa @ 80°C / 15 psid @ 176°F

Removal Rating/Pressure Drop

| Cartridge Grade | Removal Rating in Microns (µm) at % Efficiency ¹ | | Clean Pressure Drop in Water Per 254 mm / 10 in Element | |
|-----------------|--|----------------|---|-----------|
| | 90% | 99.98% | kPa / 10 L / min | psi / gpm |
| UY020 | < 1 | 3.2 | 2.37 | 0.13 |
| UY045 | 1.2 | 4.5 | 1.55 | 0.085 |
| UY060 | 2.5 | 6 | 0.64 | 0.035 |
| UY100 | 4.3 | 10 | 0.55 | 0.030 |
| UY200 | 10.5 | 20 | 0.46 | 0.025 |
| UY300 | 16.5 | 30 | 0.36 | 0.020 |
| UY400 | 19 | 40 | 0.27 | 0.015 |
| UY500 | 25 | 50 | 0.18 | ≤ 0.010 |
| UY700 | 35 | — ² | 0.18 | ≤ 0.010 |
| UY1000 | 60 | — ² | 0.18 | ≤ 0.010 |

Part Numbers / Ordering Information

| Part Number | Removal Rating (µm) | Nominal Length ³ (mm / in) | Configuration ³ Code | O-Ring/Gasket Material ³ |
|--------------|---------------------|---------------------------------------|---------------------------------|-------------------------------------|
| AB1UY0203H4 | 3.2 | 254 / 10 | 3 | Silicone |
| R1FUY020J8 | 3.2 | 254 / 10 | Double Open End / Flat Gasket | Polyethylene |
| AB1UY0453H4 | 4.5 | 254 / 10 | 3 | Silicone |
| R1FUY045J8 | 4.5 | 254 / 10 | Double Open End / Flat Gasket | Polyethylene |
| AB1UY0603H4 | 6 | 254 / 10 | 3 | Silicone |
| R1FUY060J8 | 6 | 254 / 10 | Double Open End / Flat Gasket | Polyethylene |
| AB1UY1003H4 | 10 | 254 / 10 | 3 | Silicone |
| R1FUY100J8 | 10 | 254 / 10 | Double Open End / Flat Gasket | Polyethylene |
| AB1UY2003H4 | 20 | 254 / 10 | 3 | Silicone |
| AB1UY4003H4 | 40 | 254 / 10 | 3 | Silicone |
| R1FUY400J8 | 40 | 254 / 10 | Double Open End / Flat Gasket | Polyethylene |
| AB1UY10003H4 | 100 | 254 / 10 | 3 | Silicone |

¹ Rating of filter is based upon the modified Oklahoma State University (OSU) F-2 Filter Performance (Beta Rating) Test.

² Precision evaluation of the 99.98% removal efficiency for these coarse grades is not possible with the OSU test procedure utilized.

³ Other lengths, configurations and gasket materials are available.

Unit conversion: 1 bar = 100 kilopascals



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