

Polypropylene Sediment Water Filters

Features of the polypropylene sediment water filter cartridges:

- The water filters are manufactured from 100% polypropylene by melt-blown processing of filtration fibre.
- These water filters are assembled by thermal bond without any use of binders and adhesives.
- 100% PP makes the filter cartridges compatible for use with a wide range of fluids.
- The water filter design allows for high contaminant holding capacity which enhances longevity of the filter and ensures a lesser drop of pressure.
- Certified by NSF42 and FDA CRF title 21.
- Alternative to Pentair P-series.

Specifications of the polypropylene sediment water filter cartridges:

| Serial No.* | Description of water filter | Length | OD / ID | Nominal Micron Rating*1 |
|-------------|---|--|---------------------------------|--|
| #CAW-PP | Residential sediment H ₂ O filter | 5", 9 7/8", 10",20", 30", 40" available | 63 mm / 28 mm (2.5"/1.1") | 0.5uM, 1uM-100uM available (#SP series with absolute micron rating) |
| #CAW-FPP | Depth 4 layer sediment H ₂ O filter | | | |
| #CAW-SP | Absolute rating, surface cavity depth sediment H ₂ O filter | | | |
| #CAW-DPP | Bacteria resistant sediment H ₂ O filter for residential usage | | | |
| #CAW-BPP | Big blue sediment H ₂ O filter | 10", 20" | 114mm / 28mm (4.5"/1.1") | |

Note: 1. Initial pressure drop diagram and capacity of dust diagram available upon request.

Overall Initial pressure drop 0.002 0.025 kg / cm² @10 LPM

Applications:

- POU (Point Of Use) pre-filtering usage residential and light commercial to remove sediment.
- POE (Point Of Entry) usage for whole of house filtration, restaurant and food services, water filtration, spa and pool filtration.
- Electronic industrial usage for electroplating fluid, etching and image development processes for PCB.
- Pre-filter for DI & reverse osmosis water filtration systems.
- Filtration of medium & low viscosity chemical fluids.
- Filtration of water for manufacturing processes and recycled water.
- Filtration of cooling water systems in semiconductor industry (PCW).
- Filtration of paint in panel painting industry.
- Food & industrial beverage.

Filtering efficiency: (e.g. #CAW-SP series)

| Efficiency % | Particle sizes | 1uM / micron | 3uM / micron | 5uM / micron | 10uM / micron | 25uM / micron | 50uM / micron | 75uM / micron | 100uM / micron |
|--------------|----------------|--------------|--------------|--------------|---------------|---------------|---------------|---------------|----------------|
| Model No. | | | | | | | | | |
| SP-1uM | | >99.9% | >99.9% | >99.9% | >99.9% | >99.9% | >99.9% | >99.9% | >99.9% |
| SP-3uM | | 89.30% | >99.9% | >99.9% | >99.9% | >99.9% | >99.9% | >99.9% | >99.9% |
| SP-5uM | | 75.90% | 91.20% | >99.9% | >99.9% | >99.9% | >99.9% | >99.9% | >99.9% |
| SP-10uM | | na | 63.80% | 87.30% | >99.9% | >99.9% | >99.9% | >99.9% | >99.9% |
| SP-25uM | | na | na | 69.90% | 92.80% | >99.9% | >99.9% | >99.9% | >99.9% |
| SP-50uM | | na | na | na | 58.10% | 74.90% | >99.9% | >99.9% | >99.9% |
| SP-75uM | | na | na | na | na | 63.90% | 90.50% | >99.9% | >99.9% |
| SP-100uM | | na | na | na | na | 60.10% | 87.40% | 92.80% | >99.9% |



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