

PanalifeGard™ Series MiNano™ Polypropylene Cartridge Filters

Absolute rated Superior high flux, high retention performance filters made of high quality Polypropylene (PP) media with Low Pressure drop, High Flow Rate and Long Service Life

- ☑ Optimized graded density with fine pore sizes in inner layers and bigger pore sizes in the outer layers for high removal efficiency, high dirt holding capacity and long service life.
- ☑ MiNano™ technology - Patented, proprietary and continuous co-located precision pore formation technology that ensures filter-to-filter, lot-to-lot and performance.
- ☑ Certificate of quality enclosed with each lot of product for quality assurance that ensures filter-to-filter, lot-to-lot and performance.
- ☑ 100% virgin polypropylene construction without the use of binders, adhesive or surfactants to ensure purity performance is not compromised.
- ☑ NSF certified

Performance Specifications

Pore size rating

0.45, 1, 5, 10, 30 micron (µm)

Maximum forward differential pressure:

4.81 bard (4.9 kg/cm²d, 69.69 psid) @ 20°C (68°F)
2.75 bard (2.8 kg/cm²d, 39.83 psid) @ 60°C (140°F)
1.37 bard (1.4 kg/cm²d, 19.91 psid) @ 90°C (194°F)

Recommended change-out differential pressure

2.45 bard (35.56 psid)

Maximum Operation Temperature

222 - 90°C
226 and 334 - 60°C

Compatibility and purity

Filters do not use any binders, surfactants and adhesives for broad usage compatibilities. Only 100% virgin polypropylene is used.

Product Specifications

Materials of construction

Filter media: MiNano™ Polypropylene (PP)

Support: Polypropylene

End caps, core and cage: Polypropylene

Gaskets/O-rings: EPDM, FKM and E-FKM



Applications:

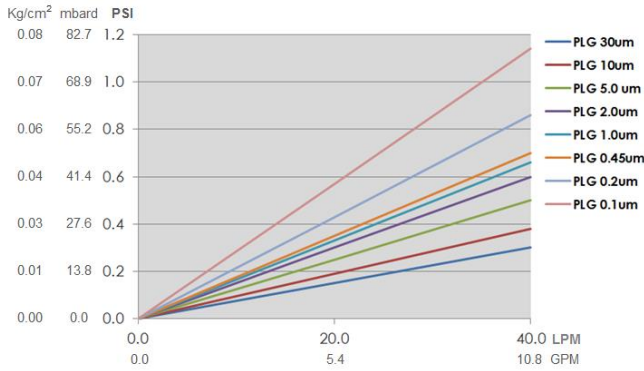
- ☑ General direct DI and recirculation DI water bath applications
- ☑ Flat Panel Manufacturing Recirculation DI Water, Developing, Wet Etching and Stripping.
- ☑ Advanced PCB manufacturing.
- ☑ Photovoltaic, chemical manufacturing
- ☑ Data storage industries.

External Certification:

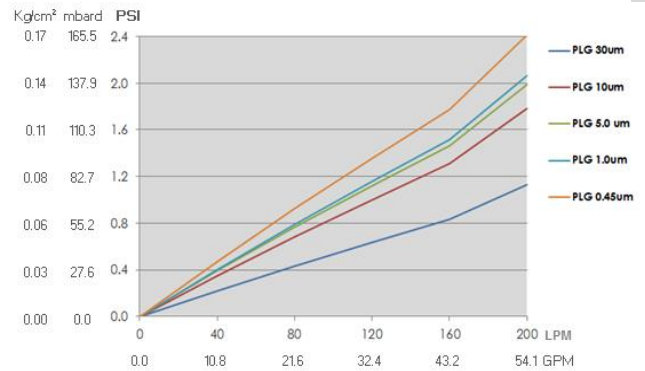


PanalifeGard™ Series cartridge filter is tested and certified by NSF International under ANSI/NSF Standard 42 and 61. For more information regarding the certification, please contact MYCROPORE

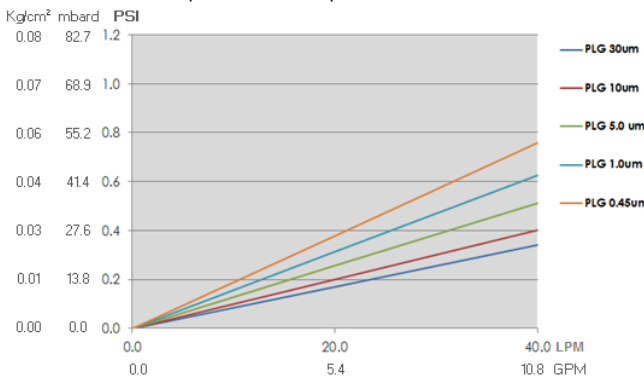


Table 1: PanalifeGard (PLG) 222 series has high flow rate at low pressure drop.


Flow rate is for a 25.4 cm (10 in) cartridge. For liquids other than water, multiply differential pressure by fluid viscosity (cP).

Table 3: PanalifeGard (PLG) 334 series has extra high flow rate at low pressure drop.


Flow rate is for a 25.4 cm (10 in) cartridge. For liquids other than water, multiply differential pressure by fluid viscosity (cP).

Table 2: PanalifeGard (PLG) 226 series has extra high flow rate at low pressure drop.


Flow rate is for a 25.4 cm (10 in) cartridge. For liquids other than water, multiply differential pressure by fluid viscosity (cP).

Wide Range of Lengths & Adapters:

- Standard lengths fit well with most existing housings - custom lengths is also provided
- Wide range of polypropylene end-adapters including gaskets and optional cores.

Table 4 shows the detailed ordering information.

Product Name	Pore Ratings	End Cap	O-ring/gaskets	Filter Length	Extra Code (option)
Example: PanalifeGard (PLG) Series Filter 5um, Code 6 (226/Flat), EPDM O-ring, 10inch, 70mm Diameter					
PLG	050	6	E	1	A
PLG Series	D20 = 0.20um D45 = 0.45um 010 = 1.0um 020 = 2.0um 050 = 5.0um 100 = 10um 300 = 30um	0 = 222 / Flat (SOE) 6 = Code 6 (AS568 - 226 o-ring) R = Code R (AS568 - 334 o-ring) F = Double Open & Cap (DOE)	E = EPDM V = FKM O = E-FKM N = Buna-N T = PFA Encap FKM* PTFE for Code-F	1 = 10 inch 2 = 20 inch (Code-0 505mm) 2F=20 inch (Code-F 508mm) 3 = 30 inch 4 = 40 inch A = Special < 10 inch	<u>Extra Code</u> A=70mm B=83mm C=130mm

Find a contact near you and speak with our competent application specialist:

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