INDUSTRIAL GRADE

PERFORMANCE PLUS POLYPROPYLENE CARTRIDGES

PREMIUM PERFORMANCE FOR CRITICAL APPLICATIONS REQUIRING ABSOLUTE FILTRATION

Lakos pleated filter cartridges effectively remove diverse size particles with a total surface area that is much larger than the diameter of the filter. These cartridges offer a more precise "absolute" micron rating. Constructed with 100% polypropylene materials. Efficiency ratings to 99.98% (Beta 5000).

High flow capability
Lower overall operating cost
Reduces waste disposal
Longer filter runs for fewer change outs
Increased contaminate removal

Performance Plus PP Cartridges

FEATURES

- Premium performance design for fewer change outs and lower maintenance costs
- Pleated polypropylene filter media provides higher flow rates and lower initial pressure drop
- Pleated surface area provides higher loading capacity for longer filter life and increased particle removal
- Double o-ring end cap, center tube and media are thermally bonded as one integral component for added strength
- Offered in three sizes (10, 20, 30) and four micron ratings (5, 10, 20, 50) to meet high flow requirements
- Made in U.S.A.

FITS

- Fits LAKOS models LP, LQ, and CFH Housings

APPLICATIONS

Acids and bases
Glycol
Pre-filtration for DI resins
Pre-filtration UF membranes

Photochemical plating solutions
Organic solvents
Machine coolants

Food and beverage
Bottled water
Aqueous solutions
Magnetic tape coatings

Pre-filtration for RO
Cosmetics
Inks

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LAKOS
A LINDSAY COMPANY

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SPECIFICATIONS

Filter media: Polypropylene

Support Media: Polypropylene

Outer Support Media: Polypropylene

Temperature: 180˚F (82˚C)

Sanitization / Sterilization:

- Filtered hot water - 194˚F (90˚C)
- Chemical Sanitization - industry standard concentrations of hydrogen peroxide, peracetic acid, sodium hypochlorite and other selected chemicals

End Caps: Polypropylene

Center Core: Polypropylene

O-Rings: Silicone (standard), Buna, Viton

Change Out: 35 PSI ΔP (2.4 bar)

FDA LISTED MATERIALS:

Manufactured from materials which are listed for food contact applications in Title 21 of the U.S. Code of Federal Regulations.

CARTRIDGE SELECTION/SIZING GUIDE

Cartridge Length	PRODUCT CODE	Absolute Micron Rating	Media (sq ft)	Recommended Flow Rate (GPM)	Maximum Flow Rate (GPM)	No./Carton
	PP for high flow applications requiring absolute filtration					
9⅝"	LC-PP-10-5	5	25	17	19	1
	LC-PP-10-10	10	25	17	19	1
	LC-PP-10-20	20	25	17	19	1
	LC-PP-10-50	50	25	17	19	1
19½"	LC-PP-20-5	5	50	35	38	1
	LC-PP-20-10	10	50	35	38	1
	LC-PP-20-20	20	50	35	38	1
	LC-PP-20-50	50	50	35	38	1
30¾"	LC-PP-30-5	5	75	65	76	1
	LC-PP-30-10	10	75	65	76	1
	LC-PP-30-20	20	75	65	76	1
	LC-PP-30-50	50	75	65	76	1

7¾" O.D. – 100% POLYPROPYLENE MATERIALS

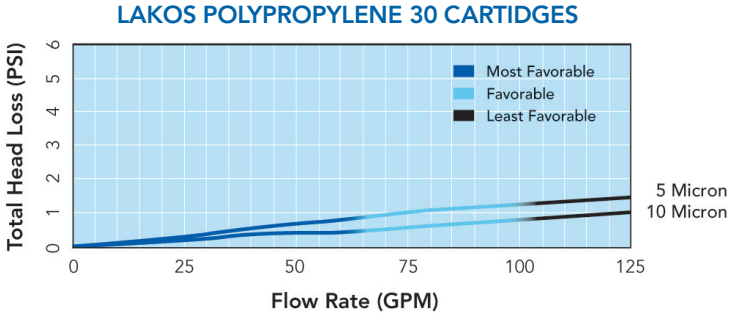
LAKOS warrants its line of Performance Plus Filters to be free of defects in material and workmanship for a period of one year from the date of installation. See lakos.com/warranty for more information.

Lakos Polypropylene Cartridges
Model Code (Nominal Length) and Actual Length

PRESSURE DROP

Pressure Drop vs. Flow Rate

The total head loss data shown at right indicates pressure drop with Lakos Performance Plus 30 housing and LAKOS Polypropylene 30 filter cartridges in 2 different micron ratings in clean water.



Note: This publication is to be used as a guide. The data within has been obtained from many sources and is considered to be accurate. Lakos does not assume liability for the accuracy and/or completeness of this data. Changes to the data can be made without notification. Temperature, Pressure, Flow Rates, Differential Pressures, Chemical Combinations and other unknown factors can affect performance in unknown ways. Limited Warranty: Lakos warrants their products to be free of material and workmanship defects. Determination of suitability of Lakos products for uses and applications contemplated by Buyer shall be the sole responsibility of Buyer. The end user/installer/buyer shall be liable for the product's performance and suitability regarding their specific intended applications. End users should perform their own tests to determine suitability for each application.