



WINSTON / ROYAL GUARD CORPORATION

Filter Cartridge for Liquids

WLP-L Pleated Series

For stringent industrial liquid process applications, the WLP-L pleated series filter cartridges are an excellent choice for removal of unwanted solid contaminants and can be provided in the Winston/Royal Guard Type 61V Vertical Liquid Filter. To meet industry demands, a large selection of materials, diameters, lengths, end caps/treatments, efficiency ratings, and particle size retentions are available. The pleated design offers the maximum surface area for longer service life between cartridge change-outs.

FOR TYPE 61 LIQUID FILTERS



Shown in the photo above are two available bottom end treatments. On the left is style 222 with O-rings. On the right is a flat end, style FEG with gasket. Top end treatments are typically closed and with a spring assembly or a flat cap.

Applications include removal of solid contaminants in liquid processes such as fuels, oils, amine, glycol, solvents, various chemicals, injection well water, and many others in the oil & gas, refining, petrochemical, and chemical industries.

EFFICIENCY RATINGS AVAILABLE: Up to 99.98% removal of solid particles at the given micron size.

BENEFITS:

- Maximum solids retention with high efficiencies.
- Pleated media offers a greater surface area for longer operation between change-outs.
- Reduced maintenance costs and downtime.
- Improved operational performance.

OPERATION SPECIFICATIONS:

- **FLOW DIRECTION** is outside to inside.
- Wide selection of pleated materials, support layers, and end treatments.
- Large selection of O-ring and gasket materials (Buna, EPR, Neoprene, Silicone, TEV, Viton).
- Many diameters are available from 2-1/2" to 6" and in lengths of 10" to 40".
- Recommended differential pressure for element change-out is 15 P.S.I.
- Refer to individual filter cartridge part numbers for temperature limits.

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TYPICAL PART NUMBERS & FEATURES:

WLPPL with **polypropylene** pleated media:

- Thermally bonded polypropylene end caps (eliminates adhesives).
- Particle retention (micron size): 0.5, 1, 3, 5, 10, 20, 30, 40, or 70.
- Efficiencies: b02 = 99.5%, b10 = 99.9%, b50 = 99.98%.
- Maximum temperature: 180° F.
- Typical part number: **WLPPL230b10 (1) FEG E...** (2.5" dia., 30" long, 99.9%, 1 micron, flat open end with EPR gasket).

WLPEL with **polyester** pleated media:

- Thermally bonded polyester end caps (eliminates adhesives).
- Particle retention (micron size): 0.5, 1, 3, 5, 10, 20, 30, 40, or 70.
- Efficiencies: b02 = 99.5%, b10 = 99.9%, b50 = 99.98%.
- Maximum temperature: 240° F.
- Typical part number: **WLPEL230b50 (20) 222 T...** (2.5" dia., 30" long, 99.98%, 20 micron, 222 open end with TEV O-rings).

WLPML with **Microglass** pleated media:

- Top cap options: Thermally bonded polypropylene, Thermally bonded polyester, Plated steel or stainless steel (304 or 316) and with either epoxy or plastisol bond.
- Support materials: Polyester (standard), Polypropylene, Cellulose.
- Particle retention (micron size): 0.5, 1, 2, 5, 10, 20, 30, or 40.
- Efficiencies: b02 = 99.5%, b10 = 99.9%, b50 = 99.98%.
- Maximum temperature: 275° F.
- Typical part number: **WLPML230b02 (30) FEG B...** (2.5" dia., 30" long, 99.5%, 30 micron, flat open end with Buna gasket).

Specifications are subject to change without notice. 7-19-2021 (supersedes 12-31-2019)

WINSTON / ROYAL GUARD CORPORATION

P. O. Box 1145 • White Oak, Texas 75693 USA

Phone (800) 527-8465 • (903) 757-7341 • Fax (903) 759-6986

Winston-RoyalGuard.com • e-mail: sales@winston-royalguard.com

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