



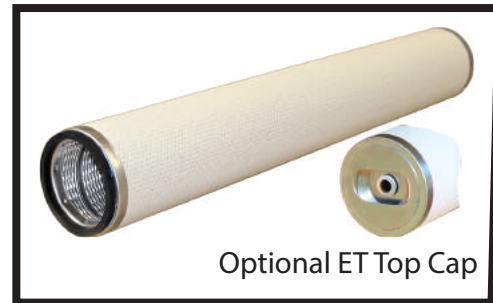
WINSTON / ROYAL GUARD CORPORATION

Coalescing Cartridge

WP-L536Rb Pleated Series (0.3 micron rating)

The WP-L536Rb pleated series gas-liquid coalescing cartridges are designed for the maximum removal of liquid and solid particles 0.3 micron and larger from gas or air. The contaminants removed include liquid hydrocarbons, water, amine, glycol, and extremely fine solid particulate matter. These cartridges offer excellent coalescing properties and long service life between change-outs.

FOR TYPE 140 GAS-LIQUID COALESCERS



For use in **Type 140 Gas-Liquid coalescers**, these cartridges are recommended for applications where efficiency is critical. The applications include recovery of compressor lube oil, glycol, and amine mist carry-over, and contaminant protection for equipment, catalyst beds and other applications in gas production, transportation, and processing industries. These coalescing cartridges are furnished in a 99.98% rated microglass for most applications, or in a 99.9% rated polypropylene for applications with trace amounts of amine in the gas stream.

For maximum efficiency these cartridges are rated to either:

- Microglass: 99.98% removal of liquid and solid particles 0.3 micron and larger.
- Polypropylene: 99.9% removal of liquid and solid particles 0.3 micron and larger.

OPTIONAL "ET" Top Cap for easy cartridge removal with the extractor tool from the top area of the open coalescer vessel. The dual use top cap allows for cartridge installation with lock risers, which secure the cartridges in place and allow for loosening at the top of the vessel.

BENEFITS:

- Maximum protection for processes, equipment, and catalysts.
- Recovers carried-over liquids such as lube oil, amine, and glycol.
- Improves operational performance.
- Reduces maintenance costs and downtime.
- Strong support cores can withstand differential pressure to 75 psi.

OPERATION SPECIFICATIONS:

- Flow direction is inside to outside.
- 0.3 micron rating.
- Recommended differential pressure for cartridge change-out is 15 PSI.

WP-L536Rb Pleated Series Coalescing Cartridge (0.3 micron rating)

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STANDARD DIMENSIONS: 36" Long -- 5 ½" O.D. (other sizes can be furnished).

STANDARD PART NUMBERS AND EFFICIENCY RATINGS (add "-ET" for the optional ET Top Cap)

- **WPML536Rb5** (99.98%) with **microglass** pleat.
- **WPPL536Rb1** (99.9%) with **polypropylene** pleat.

WPML536Rb5 with **microglass** high-efficiency pleated media:

- 99.98% rating for removal of 0.3 micron and larger liquid and solid particles from gas.
- Microglass pleated coalescing media for high efficiency in coalescing and solids retention.
- Perforated support cores inside and outside help prevent collapse in upset conditions.
- Polyester outer wrap surrounds the pleated media to assist in drainage of the coalesced liquids.
- End caps, cores, and support materials are available in tinned steel, galvanized steel, 304 or 316 stainless steel, and synthetic materials.
- Gasket materials are available in Buna-N, Viton, silicon, or PTFE.
- Maximum operating temperature.... 300° F.
- Minimum operating temperature.....35° F.

WPPL536Rb1 with **polypropylene** pleated media is recommended for gas applications with trace amounts of amine:

- 99.9% rating for removal of 0.3 micron and larger liquid and solid particles from gas.
- Polypropylene pleated coalescing media provides optimal coalescing and particle removal.
- Perforated support cores inside and outside help prevent collapse in upset conditions.
- Polyester outer wrap surrounds the pleated media to assist in drainage of the coalesced liquids.
- End caps, cores, and support materials are available in tinned steel, galvanized steel, 304 or 316 stainless steel, and synthetic materials.
- Gasket material is PTFE.
- Maximum operating temperature.... 180° F.
- Minimum operating temperature.....35° F.

Specifications are subject to change without notice. 7-27-2021 (supersedes 4-2-2019)

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