



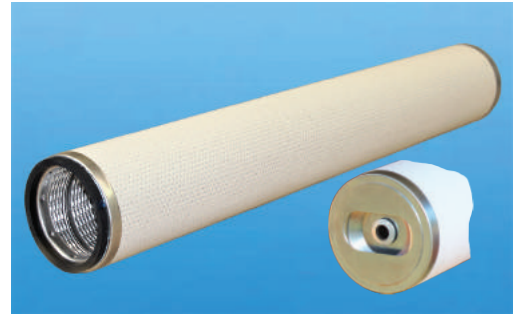
WINSTON / ROYAL GUARD CORPORATION

Coalescing Cartridge

WP-L536Rb Pleated Series (0.3 micron rating)

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

FOR TYPE 140 GAS LIQUID COALESCERS



Inset shows the optional ET Top Cap

For use in the **type 140 Gas-Liquid coalescer**, these cartridges are recommended for applications where efficiency is critical. Applications include recovery of compressor lube oil, glycol and amine mist carryover, and contaminant protection for equipment, catalyst beds and other critical applications in gas production, transportation and processing industries. These coalescing cartridges are furnished in the beta 5000 rated microglass for most applications, or in the beta 1000 rated polypropylene for applications with trace amounts of amine in the gas stream.

For maximum efficiency these cartridges are rated to either:

- Microglass: beta 5000 (99.98% removal of liquid and solid particles 0.3 micron and larger).
- Polypropylene: beta 1000 (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:

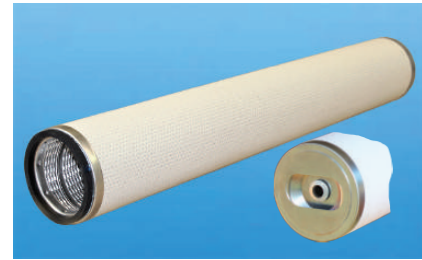
- Maximum protection for processes, equipment, and catalysts.
- Recovers carried-over liquids such as lube oil, amine, and glycol.
- Improves operational performance.
- Reduces maintenance costs and downtime.
- Strong support cores can withstand differential pressure to 75 psi.

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)

.....continued from page 1



Inset shows the optional ET Top Cap

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

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

- **WPML536Rb5** (beta 5000) with **microglass** pleat.
- **WPPL536Rb1** (beta 1000) with **polypropylene** pleat.

WPML536Rb5 (beta 5000) with **microglass** high-efficiency pleated media:

- Rated to Beta 5000 (99.98% 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 (beta 1000) with **polypropylene** pleated media is recommended for gas applications with trace amounts of amine:

- Rated to Beta 1000 (99.9% 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. 4-2-2019 (supersedes 3-15-2019)

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