



# WINSTON / ROYAL GUARD CORPORATION

## Coalescing Cartridge

### WCL536R (0.3) (0.3 micron rating)

The WCL536R (0.3) gas-liquid coalescing cartridges remove liquid and solid particulates 0.3 micron and larger from gas or air. With a flow path from inside to outside, and excellent coalescing properties, these cartridges are for use in the Winston/Royal Guard type 140 Gas-Liquid Coalescer for efficient removal of aerosol particles including water, glycol, and lube oil from natural gas. Extremely fine solid particulate matter will also be captured.

The cartridge employs a depth type media with a combination of glass fiber and polypropylene materials supported by a steel core. To provide the best structural integrity, the steel core is mechanically bonded to the end caps. Each cartridge has a closed end with a center hole for mounting, and an open end complete with a Buna N gasket for sealing (other gasket materials are available). The standard material for both the core and caps is tinned steel with stainless steel as an option. To complete the assembly, a polyester outer drainage layer surrounds the pleated media to assist in rapid drainage of the coalesced liquids.

**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:

- Graduated porosity of the depth type cartridge offers maximum coalescing of liquids.
- Robust metal support core can withstand differential pressure over 50 PSI.
- Low pressure drop.
- Depth type cartridge offers efficiency at an economical cost.

#### OPERATION SPECIFICATIONS:

- Flow direction is inside to out.
- Rating of 0.3 micron at 99.9% efficiency (beta 1000).
- Recommended differential pressure for element change-out is 15 P.S.I.
- Maximum operating temperature.... 180° F.
- Minimum operating temperature ..... 35° F.

**STANDARD DIMENSIONS:** 36" Long -- 5 ½" O.D.

**STANDARD PART NUMBERS & MICRON RATING** (add "-ET" for the optional ET Top Cap)

- WCL536R (0.3) for 0.3 micron and tinned steel core and end cap.
- WCL536R (0.3) 304SS for 0.3 micron and 304 stainless steel core and end cap.
- WCL536R (0.3) 316SS for 0.3 micron and 316 stainless steel core and end cap.

### FOR TYPE 140 GAS LIQUID COALESCERS



Inset shows the optional ET Top Cap

Specifications are subject to change without notice. 3-29-2019 (supersedes 2-9-2018)

### 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

Copyright © 2019 Winston/Royal Guard Corporation. All rights reserved