



WINSTON / ROYAL GUARD CORPORATION

Type 62 Liquid-Liquid Coalescer Separators

The Type 62 Liquid-Liquid Coalescer Separator is used for the separation of two immiscible liquids such as water from a hydrocarbon. Applications include separation of trace amounts of water from oil, condensates, kerosene, gasoline, diesel, and others, in the refining, petrochemical, chemical, and oil and gas industries.

Shown at right is the Type 62H-CC-2S horizontal two-stage Liquid-Liquid Coalescer Separator with a Quick-opening closure and a boot for water retention.



How it works: Hydrocarbon liquid (continuous phase), mixed with trace amounts of aqueous solution (discontinuous phase), passes through two types of filter cartridges for effective separation. Removal of water is down to, or less than 10ppm.

The first stage cartridges coalesce tiny droplets of dispersed water, enlarging them enough for most to settle to the bottom of the vessel by gravity. Ultra-fine solids are captured in these cartridges and are removed with the cartridge change-outs. The flow moves through each cartridge from the inside out, and therefore less surface area is available with which to retain solids. If heavy particulate loading is expected, a filtration unit such as a Type 61V should be installed upstream of the coalescer separator so as to extend the time between cartridge change-outs.

The second stage cartridges separate any remaining water droplets. The treated cellulose pleated cartridge media is hydrophobic, allowing oil to pass through while repelling water. These cartridges are available in 5 and 25 micron designs.

OPTIONS:

- ASME Code stamp.
- Horizontal or vertical design.
- Various vessel support styles.
- Lifting eye(s).
- Quick-opening closure for ease of element change-out.
- If requested by customer, we will manufacture our vessel to accommodate other major brands of equivalent filter cartridges which are designed for the application.
- Other customer requirements.

ASME Code Certified: Winston/Royal Guard is an ASME Section VIII, Division 1 Code certified manufacturing facility with National Board certification. Capabilities include all types of non-destructive testing with a rigidly controlled Quality Control system.

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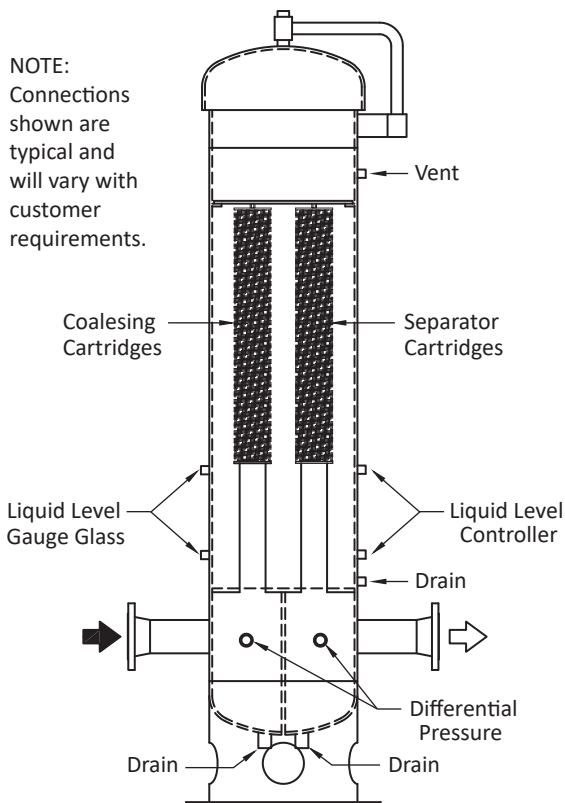


Coalescing cartridge on left with two pleated separator cartridges

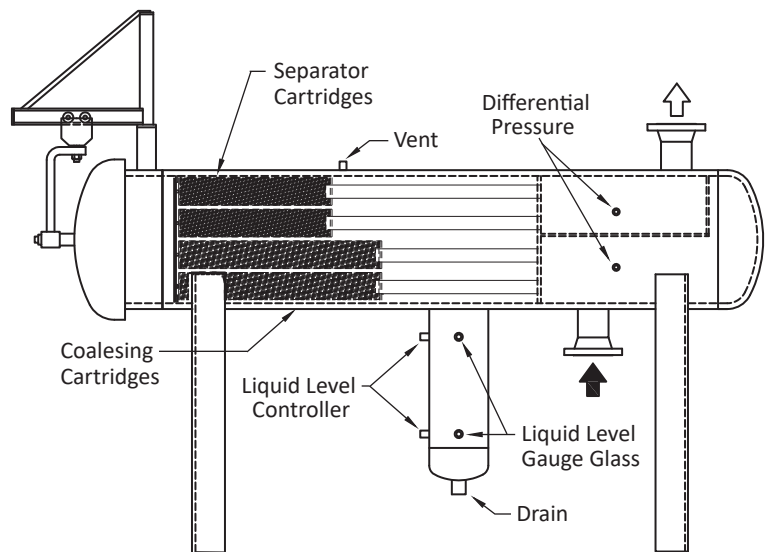


Closure provides easy access to filter cartridges

Type 62V-CC-2S Vertical Two Stage



Type 62H-CC-2S Horizontal Two Stage



Specifications are subject to change without notice. 3-14-2017

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