VELCON I633C5 COALESCER CARTRIDGE



Product codes:

Reference:
PC214-00389
EAN13: -
UPC: -

Product attributes:

Product description:

Technical Specifications

- **Certifications:** Category C, EI1581
- **Application:** Aviation
- **Gasket Material:** Buna-N
- **Outer Shell:** N/A
- **Filter Type:** Coalescer
- **Filtration Rating (µm):** 0.4 µm
- **Maximum Operating Temperature:** 66 to 71 °C / 150 to 160 °F
- **Maximum Differential Pressure:** 75 psi / 5.2 bar

- **Filter Media Construction:** Fiberglass
- **Change-Out Differential Pressure:** 15 psi / 1 bar
- **pH Range (Continuous Operation):** 5 – 9
- **Brand:** Velcon
- **Flow Rate:** Varies depending on fluid viscosity and application. Refer to brochure for detailed specifications.
- **Application:** Aviation
- **End Cap Configuration:** Open End
- **Length (in):** 33 inches
- **Inside Diameter (in):** 3.500 inches
- **Outside Diameter (in):** 6.000 inches

Coalescer Cartridges for Aviation & Industrial

Coalescer cartridges are employed as the first stage in filter/separator vessels for hydrocarbon fluids. They perform two functions: (1) coalesce (combine) highly dispersed, emulsified water particles into larger water drops and (2) filter-out particulate contaminants.

Product Features:

- Cost effective particle and emulsified water removal from hydrocarbon fluids
- Easy installation and replacement with one-piece design
- Choice of Threaded Base or Open End cartridges
- Choice of All-Fiberglass Media or Combination Fiberglass and Pleated Media
- Field proven performance
- Ongoing qualification testing to meet changing commercial and military requirements
- Used as a first-stage cartridge in Filter/Separatos
- Remove particulates and coalesce water into large water drops

- Also available in screw base design

Application

Coalescer cartridges are used primarily to coalesce emulsified water and remove particles from hydrocarbon fluids. The largest single application is the filtration of aviation jet fuel. They are also used with other types of fuels, process streams in refineries and petrochemical plants, and condensate streams where natural gas is produced.

Other liquids can be separated if they are immiscible, the specific gravities differ, and high concentrations of surface active agents are not present. As a rule of thumb, if a sample of the mixture readily separates in an hour or two, a coalescer can probably be used. If the mixture hasn't separated after 24 hours, coalescing probably won't work.

General Specifications

- 75 psi maximum pressure differential rating
- 5 to 9 pH range
- 150°–160°F max. operating temperature
- Aluminum center tube
- Buna-N gaskets
- Injection molded end caps are standard on 6” diameter threaded base coalescers;
- Aluminum end caps are standard on 6” diameter open end cartridges
- All 6” diameter cartridge end caps are bonded directly to?the media with high strength epoxy or urethane
- 4” diameter cartridge have molded polyester resin or injection molded end caps

*EI (Energy Institute) is the new specification authority. API (American Petroleum Institute) is no longer involved in aviation fuel filtration specifications.