

DESCRIPTION

Facet industrial coalescer cartridges provide efficient and economical filtration and coalescence of fluids in a wide range of applications where API certification is not required. This broad range of liquid/liquid coalescers provides greater coalescing efficiency and contaminant holding capacity than most conventional coalescers or other separation techniques. As a result, Facet industrial coalescers improve product quality, reduce maintenance costs and help prevent unscheduled shutdowns.

Facet industrial coalescer cartridges are manufactured using proprietary combinations of high performance filter media. Years of research and development in phase separation technology has enabled Facet to develop a very broad range of filter grades to meet the stringent requirements of industrial applications.

Facet industrial coalescer cartridges are available in numerous configurations to replace most conventional coalescing cartridges. In addition, Facet can develop special configurations to meet specific applications requirements.

Industrial Coalescer Cartridges

BENEFITS

- High Performance filter media provides effective particle removal and coalescence in a wide range of applications
- Proprietary design provides superior performance when compared to conventional coalescing cartridges
- Continuous lengths minimize process downtime, reduce cartridge change-out costs and eliminate filter bypass concerns
- Retention ratings available from 1 to 40 microns
- 90-95% nominal efficiency solids removal ratings. Water removal is 15 ppm
- Electro-tin plated components help prevent rust and corrosion. Coated components are available as standard options
- 75 psid burst strength permits use in demanding applications

APPLICATIONS

- Chemicals, Resins, and Solvents
- Hydraulic Oils
- Hydrocarbons
- Petroleum Refining
- Pipelines and Petroleum Terminals
- Power Generation
- Pulp and Paper Industry
- Transformer Oils
- Turbine Oils

Due to our continuing program of improvement, specifications are subject to change without notice

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YOUR ONE STOP FOR FILTERS

PERFORMANCE SPECIFICATION

| NOMINAL PARTICULAT | Έ | | | | | | | | |
|--------------------|---|---|---|----|----|----|----|----|----|
| MICRON | 1 | 2 | 5 | 10 | 15 | 20 | 25 | 30 | 40 |
| CR | | ٠ | | | | | | | |
| СВ | | | ٠ | | | | | | |
| CC | | | | | | | ٠ | | |
| CIC | • | ٠ | ٠ | ٠ | • | ٠ | • | ٠ | • |

MATERIALS OF CONSTRUCTION

FILTER MEDIA OPTIONS:

| <u>2-25 μ</u> m: 1-40 μm: | CR, CB, CC Series: Combination Fiberglass And Cellulose Medias With Outer Sock. CIC Series: Wet Glass Shell, Pleated Media Section And Outer Glass Section With Or Without Outer Sock. |
|---|--|
| <u>GASKET MATERIALS</u> : Standard: Optional: | Buna-N Vegetable Fiber, Neoprene, Viton®, Non-asbestos Replacement |
| <u>METAL COMPONENTS</u> : Standard: Optional: | Electro-tin Plated Components Powder Coated Epoxy Components Optional (CIC Only): Non-metal Components And Synthetic End Caps |
| ADHESIVES: | Thermoset PVC Urethane (optional) |

Epoxy (optional)

TEMPERATURE/COMPATIBILITY GUIDE

| SERIES | Maximum Temperature | pH Range | PETROLEUM C Products | HEMICALS |
|--------------|------------------------|-------------|-------------------------|----------|
| CR,CB, CC | 240°F | 5-9 | Excellent | Good |
| CIC | 225°F | 5-9 | Excellent | Good |

Industrial Coalescer Cartridges

FREE WATER REMOVAL SPECIFICATIONS

| PPM FREE WATER, LESS THAN | 5 | 10 | 15 | 20 | 40 |
|------------------------------|---|----|----|----|----|
| CR Series | | ٠ | ٠ | ٠ | • |
| CB Series | | | ٠ | ٠ | • |
| CC Series | | | | ٠ | • |
| CIC Series | • | ٠ | ٠ | ٠ | • |

FILTER SIZES AND DIMENSIONS LENGTH (inches) SERIES **OD** (inches) ID (inches) **CZ11** 6 3 1/2 11 1/4 **14** ¹/₂ **22** ¹/₄ **CZ14** 6 **3**¹/₂ 3 1/2 **CZ22** 6 28 3/4 **3** ½ **CZ28** 6 29 **CZ28-SB** 6 **3** ½ CZ33 **3** ½ 33 1/4 6 CZ33-SB 6 3 1/2 34 43 1/4 CZ43 6 **3** ½ CZ43-SB **3** ½ 6 45 **3** ½ 56 1/4 **CZ56** 6 CZ56-SB 6 **3** ½ 57 6 **3** ½ 11 1/4 $CIC11-\mu$ $CIC14-\mu$ 6 **3** ½ **14** ½ 6 22 1/4 $CIC22 - \mu$ 3½ 6 6 **3** ½ 28 3/4 CIC28-u **3** ½ CIC28SB-µ 29 CIC33-µ 6 3 1/2 **33** ¹/₄ CIC33SB-µ **3** ½ 34 6 3 1/2 $CIC43-\mu$ 43 1/4 6 3 ½ 3 ½ CIC43SB-µ 45 6 CIC56-µ CIC56SB-µ **56** ¹/₄ 6 3 1/2 57 6

Note: The dimensions are nominal. There are many other sizes and combinations, not listed here, that are available. Please call us for assistance with special sizes and deliveries.

 \mathbf{Z} = Series designation

-µ = Micron rating

Note: Water removal ratings are based on kerosene type fuel, S.G.O.78 and viscosity of 33 SSU at 70°F and recommended flow rates. Removal efficiencies will vary with S.G. viscosity, temperature, and flow rate. Please call us for exact sizing and removal ratings.

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CARTRIDGE ORDERING INFORMATION

| SERIES DIMENSIONS | END CONFIGURATION | MICRON RATING | SPECIAL FEATURES |
|---|---|---------------------------------------|--|
| CB 28 | SB | 5 | |
| CB, CR, See Filter Sizes CC, CIC and Dimensions Table | No Symbol = Double Open End SB = Screw Base | 1, 2, 5, 10, 15, 20, 25, 30, 40 | No Symbol = Buna N J = Non-Asbestos Gasket N = Neoprene Gasket K = Tin Steel Components V = Viton Gasket |
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