



### Description

Facet industrial coalescer cartridges provide efficient and economical filtration and coalescence of fluids in a wide range of applications where EI 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.

### 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 25 microns
- 90-95% nominal efficiency solids removal ratings. Water removal efficiency is by series
- 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

# Industrial Coalescer Cartridges

## PERFORMANCE SPECIFICATION

SERIES	NOMINAL PARTICULATE MICRON						
	1	2	5	10	15	20	25
CR		•					
CB			•				
CC							•

## MATERIALS

### Filter media options:

2 - 25 µm: CR, CB, CC Series: Combination of Fiberglass and Cellulose Medias with Outer Sock

### Gasket Materials:

Standard: Buna-N  
Optional: Vegetable Fiber, Neoprene, Viton®, Non-asbestos Replacement

### Metal Components:

Standard: Electro-tin Plated Components  
Optional: Powder Coated Epoxy Components

### Adhesives:

Thermoset PVC  
Urethane (optional)  
Epoxy (optional)

## FREE WATER REMOVAL SPECIFICATIONS

SERIES	PPM FREE WATER, LESS THAN				
	5	10	15	20	40
CR		•	•	•	•
CB			•	•	•
CC				•	•

## FILTER SIZES AND DIMENSIONS

SERIES	DIMENSIONS					
	OD		ID		LENGTH	
	in	mm	in	mm	in	mm
Cz11	6	152	3 ½	89	11 ¼	286
Cz14	6	152	3 ½	89	14 ½	368
Cz22	6	152	3 ½	89	22 ¼	565
Cz28	6	152	3 ½	89	28 ¾	730
Cz28-SB	6	152	3 ½	89	29	737
Cz33	6	152	3 ½	89	33 ¼	845
Cz33-SB	6	152	3 ½	89	34	864
Cz43	6	152	3 ½	89	43 ¼	1099
Cz43-SB	6	152	3 ½	89	45	1143
Cz56	6	152	3 ½	89	56 ¼	1429
Cz56-SB	6	152	3 ½	89	57	1448

Z = Series designation

### Notes:

1. 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.

2. 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

## TEMPERATURE / COMPATIBILITY GUIDE

SERIES	MAXIMUM TEMPERATURE	pH RANGE	PETROLEUM PRODUCTS	CHEMICALS
CR, CB, CC	240 °F	5 - 9	Excellent	Good

## CARTRIDGE ORDERING INFORMATION

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