



Description

Facet industrial separator cartridges provide efficient separation of water in a wide range of fluid process streams. These high performance liquid/liquid separators are used in applications where EI certification is not required. The use of Facet industrial separator cartridges instead of conventional liquid/liquid separators can help reduce operating costs and improve product quality.

Facet industrial separator cartridges are manufactured using proprietary combinations of high performance filter media and pleat configurations. Facet has developed continuous length separator cartridges to retrofit most commercially available single length separators.

The use of continuous length separators minimizes process downtime, reduces cartridge change-out costs and eliminates filter bypass concerns.

Generally, the pleated paper configuration is considered the best general purpose separator having an extended surface area and being changed simultaneously with its companion coalescer. Selection must be based on the physical and chemical properties of both phases. As in the case of coalescer cartridges, separator cartridges may be used in most finished petroleum products, but caution must be exercised in compatibility of not only the media, but adhesives, metal parts and gaskets.

Pleated paper separators provide a 5 micron filtration barrier. It is also offered in a 25 micron.

Teflon separators provide a 74 micron filtration barrier.

Synthetic separators provide a 50 micron filtration barrier.

Both Teflon and synthetic separator cartridges can be cleaned and reused in accordance with Facet procedures.

Facet is continually working with customers to optimize separator performance. Facet industrial separator cartridges are available in numerous configurations to replace most conventional coalescing cartridges. Facet can develop special configurations to meet specific applications requirements.

Benefits

- Proprietary filter media provides a high performance in a wide range of applications
- Continuous lengths minimize process downtime, reduce cartridge change-out costs and eliminate filter bypass concerns
- Designed for balanced flow through cartridge
- Electro-tin plated components help prevent rust and corrosion. Coated components are available as standard options
- Synthetic, plated, or coated end caps available

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 Separator Cartridges

PERFORMANCE SPECIFICATION

SERIES	NOMINAL PARTICULATE MICRON			
	5	25	50	74
SP	•	•		
SS			•	
ST				•

MATERIALS

Filter media options:

SP Series: Silicone Treated, Pleated Paper

SS Series: Synthetic Hydrophobic Mesh

ST Series: Teflon® Coated Screen

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, Epoxy

FILTER SIZES AND DIMENSIONS

SERIES	DIMENSIONS			
	OD		LENGTH	
	in	mm	in	mm
Sz611FB	6	152	11 ¼	286
Sz611FD	6	152	11 ¼	286
Sz614FB	6	152	14 ½	368
Sz614FD	6	152	14 ½	368
Sz616FD	6	152	16 ¼	413
Sz622FB	6	152	22 ¼	565
Sz622FD	6	152	22 ¼	565
Sz629FB	6	152	28 ¾	730
Sz629FD	6	152	28 ¾	730
Sz633FB	6	152	33 ¼	845
Sz633FD	6	152	33 ¼	845
Sz636FB	6	152	36	914
Sz636FD	6	152	36	914
Sz640FB	6	152	40	1016
Sz640FD	6	152	40	1016
Sz644FB	6	152	44	1118
Sz644FD	6	152	44	1118
Sz648FB	6	152	48	1219
Sz648FD	6	152	48	1219
Sz656FB	6	152	56	1422
Sz656FD	6	152	56	1422

Z = Series designation

TEMPERATURE / COMPATIBILITY GUIDE

SERIES	MAXIMUM TEMPERATURE	pH RANGE	PETROLEUM PRODUCTS	CHEMICALS
SP	240 °F	5 - 9	Excellent	Fair
SS	240 °F	5 - 9	Excellent	Good
ST	240 °F	5 - 9	Excellent	Good

SEALING & MOUNTING END CONFIGURATIONS

DESIGNATION	INSIDE DIAMETER			
	SEALING END		MOUNTING END	
	in	mm	in	mm
FB	17/32	13	3 ½	89
FD	3 ½	89	3 ½	89

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

CARTRIDGE ORDERING INFORMATION

SERIES	DIMENSIONS	FLOW TUBE	END CONFIGURATION	SPECIAL FEATURES
SS	611	F	D	N
SS, SP, ST	See Filter Sizes and Dimensions Table	F = Flow Tube	See Sealing & Mounting End Configuration Table	No Symbol = Buna-N C = 25 micron (paper only) J = Non-Asbestos Gasket K = Tin Steel Components N = Neoprene Gasket V = Viton Gasket