

INDUSTRIAL SEPARATOR CARTRIDGES



Description

Purolator 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 API certification is not required. The use of Purolator industrial separator cartridges instead of conventional liquid/liquid separators can help reduce operating costs and improve product quality.

Purolator industrial separator cartridges are manufactured using proprietary combinations of high performance filter media and pleat configurations. Purolator 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.

Purolator is continually working with customers to optimize separator performance. Purolator industrial separator cartridges are available in numerous configurations to replace most conventional coalescing cartridges. Purolator 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.
- 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

Performance Specifications

NOMINAL PARTICULATE REMOVAL, MICRON	5	50	74
PSP Series	•		
PSS Series		•	
PST Series			•

Materials of Construction

Filter Media Options:

SP Series: Silicone treated, pleated pap

ST Series: Teflon® coated screen

SS Series: Synthetic hydrophobic mesh

Metal Components:

Standard: Electro-tin Plated Components

Optional: Powder Coated Epoxy Components

Gasket Materials:

Standard: Buna N

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

Adhesives:

Thermoset PVC

Urethane

Epoxy

Temperature/Compatibility Guide

Series	Maximum Temperature	pH Range	Petroleum Products	Chemicals
PSP	240° F	5-9	Excellent	Fair
PSS	240° F	5-9	Excellent	Good
PST	240° F	5-9	Excellent	Good

Filter Sizes & Dimensions

SERIES ¹	Dimensions—nominal	
	OD (inches)	LENGTH (inches)
PSZ611FB	6	11 1/4
PSZ611FD	6	11 1/4
PSZ614FB	6	14 1/2
PSZ614FD	6	14 1/2
PSZ616FD	6	16 1/4
PSZ622FB	6	22 1/4
PSZ622FD	6	22 1/4
PSZ629FB	6	28 3/4
PSZ629FD	6	28 3/4
PSZ633FB	6	33 1/4
PSZ633FD	6	33 1/4
PSZ636FB	6	36
PSZ636FD	6	36
PSZ640FB	6	40
PSZ640FD	6	40
PSZ644FB	6	44
PSZ644FD	6	44
PSZ648FB	6	48
PSZ648FD	6	48
PSZ656FB	6	56
PSZ656FD	6	56

(1) Z = Series designation

Sealing and Mounting End Configurations

DESIGNATION	Inside Diameter			
	SEALING END		MOUNTING END	
	inches	mm	inches	mm
A	17/32	13	2	51
B	17/32	13	3 1/2	89
C	1 7/8	48	1 7/8	48
D	3 1/2	89	3 1/2	89
E	17/32	13	4 1/8	105
F	17/32	13	4 1/2	114
G	5 15/16	150	5 15/16	150
H	5 1/2	140	5 1/2	140

Note: These are standard sizes. There are many other sizes and combinations, not listed here, that are available. Please contact Purolator for special configurations.

Teflon and Viton are registered trademarks of E.I. duPont de Nemours and Company. The Clear Advantage are trademarks of CLARCOR.

Cartridge Ordering Information

Series	Cartridge Dimensions	Flow Tube	End Configuration	Special Features
SS	611	F	G	N
PSS Series PSP Series PST Series	See Filter Sizes and Dimensions table.	F = Flow Tube	See Sealing and 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

Purolator Advanced Filtration

8439 Triad Drive
Greensboro, NC 27409

Phone: 336-668-4444

Toll Free: 800-852-4449

Fax: 336-668-4452

E-mail: info@purolator-facet.com

