FIS Series Filter Cartridges

DESCRIPTION

Facet FIS Series filter cartridges provide efficient filtration of fluids in a wide variety of applications, particularly in water based fluids. This range of reliable filter cartridges is used to remove particulate from a broad range of process streams including water based fluids, chemicals and petroleum based fluids. The high performance filter media used in FIS Series filter cartridges will not soften or pre-maturely plug in water based fluids unlike filter cartridges that use cellulose based filter media.

FIS Series filter cartridges are manufactured using proprietary combinations of polyester and micro-fiberglass filter media to achieve the desired removal rating. The pleated filter media in the FIS Series cartridge is supported by epoxy coated wire to ensure mechanical stability. The use of synthetic and non-woven filter media results in significantly higher dirt holding capacity than similar cartridges that rely solely on cellulose filter media. As a result of their innovative design, FIS Series cartridges deliver higher flow rates at lower initial pressure drops and longer on-stream life cycles when compared to conventional cellulose filter cartridges of equal efficiency.

Electro-tin plated, spiral center cores and electroplated end caps are standard components. Special configurations are available with a rigid outer cage for increased mechanical strength.

BENEFITS

- Synthetic medias provide high efficiencies, superior strength and durability
- Superior performance in water based fluids, resulting in longer life
- Extended surface area for maximum dirt holding capacity and long life
- One piece construction reduces downtime, cartridge change-out costs and eliminates filter bypass concerns
- Retention ratings available from 0.5 to 40 microns
- Electro-tin plated components help prevent rust and corrosion
- A variety of adhesives and gasket materials offer a wide range of compatibility

APPLICATIONS

- Amines
- Chemicals, Resins, and Solvents
- Coolants
- Cooling and Process Water
- Glycols and Glycol Solutions
- Hydraulic Oils
- Lube Oils and Seal Oils
- Oil and Water Filtration
- Petroleum Refining Applications
- Power Generation
- Pulp and Paper Industry

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

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FIS Series Filter Cartridges

PERFORMANCE SPECIFICATION

ABSOLUTE, BETA 75 REMOVAL

MICRON	0.5	1	3	5	10	15	20	30	40	50	75	100
Polyester/ Micro Fiberglass	•	•	•	•								
Polyester					•	•	•	•	•	•	•	•

MATERIALS OF CONSTRUCTION

FILTER MEDIA OPTIONS:

0.5-5 μm: Polyester/Micro Fiberglass Combination, Wire Backed

10-100 μm: Polyester, Wire Backed

METAL COMPONENTS:

Center Core: Electro-tin Plated

End Caps (Optional): Electro-tin Plated

Outer Cage (Optional): Electro-tin Plated

GASKET MATERIALS:

Standard: Buna-N

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

ADHESIVES: Plastisol Two Part Epoxy

FILTER SIZES AND DIMENSIONS

SERIES	OD (inches)	ID (inches)	LENGTH (inches)
FIS-209-μ	2 ½	1 1/16	9 7/8
FIS-209-μ-3	2 ½	1 1/16	9 11/16
FIS-511-μ	4 ½	1 ¾	11
FIS-518-μ-3	4 ½	2 ⅝	18
FIS-618-μ	6	3 ½	18
FIS-636-μ	6	3 ½	36
FIS-718-μ	6	2 ⅝	18
FIS-718-μ-1	6	2 ¼	18
FIS-718-μ-3	6	3 3/16	18
FIS-7618-μ	6	2 ⅝ × 3 ½	18
FIS-736-μ	6	2 ⅝	36
FIS-7636-μ	6	2 ⅝ × 3 ½	36

Note: The dimensions are nominal. These are standard sizes. Normal delivery is 2-3 weeks ARO. Many other sizes and combinations are available. Please call us for special sizes.

μ = Micron rating

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TEMPERATURE/COMPATIBILITY GUIDE

MEDIA	MAXIMUM TEMPERATURE	pH RANGE	PETROLEUM PRODUCTS	CHEMICALS	AQUEOUS SOLUTIONS
Polyester/ Micro Glass	275˚F	3-10	Excellent	Good	Excellent
Polyester	275˚F	3-10	Excellent	Good	Excellent

CARTRIDGE ORDERING INFORMATION

SERIES	DIMENSIONS	MICRON RATING	OUTER BODY DESIGNATION	SPECIAL FEATURES
FIS	718	0.5	P	N-1
	See Filter Sizes and Dimensions Table	0.5, 1, 3, 5, 10, 15, 20, 30, 40, 50, 75, 100	No Symbol = No Outer Body P = Outer Body	H = Handle J = Non Asbestos Gasket N = Neoprene Gasket V = Viton Gasket -1 = Special ID -3 = Hilco Retrofit

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