

Absorptive Cartridges

FIWA Series



Double-Duty for Twice the Protection

Facet's FIWA absorptive cartridges perform two jobs with one cartridge. It absorbs water and removes solids reliably and efficiently from a wide range of petroleum products. As the product stream flows from the outside of the cartridge to the inside, the FIWA special water absorbent medium retains water, and the pleats expand.

As the maximum water holding capacity is reached, there is a reduction in flow. The cartridge slows, then stops the flow of product as it reaches maximum capacity. This indicates that the cartridge is ready to be changed, assuring you of clean, dry product.

Benefits

- Absorbs highly emulsified water to less than 5 ppm
- Provides positive shut-off —increased differential pressure signals cartridge change-out
- Holds larger amounts of water than competition
- Ultra fine particulate removal efficiencies
- High collapse rating of cartridges
- Quick, easy cartridge change-out
- Easy housing installation

Applications

- Fuel dispensing pumps
- Off-road machinery
- Service stations
- Marinas
- Truck stops
- Bus fueling
- Diesel fuel
- Gasoline
- Kerosene
- Other engine fuels
- Various oils

Standard Design Features

- Recommended max. operating temperature: 225 °F (107 °C)
- Maximum differential pressure: 100 psi (6.9 bar)
- Flow direction: Outside to in
- Layered multi-media pleated sections

Materials

- All metal components treated to protect against corrosion
- Special water absorbing medium
- Metal support shells
- Standard gasket material is Buna-N —other materials available upon request

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PERFORMANCE SPECIFICATION

SERIES	NOMINAL REMOVAL MICRON					
	0.5	1	3	5	10	25
FIWA	•	•	•	•	•	•

MATERIALS

Filter media options:

0.5, 25 µm: Resin Impregnated Cellulose with Water Absorptive Media

Gasket Materials:

Standard: Buna-N

Optional: Other materials available upon request

Components:

Center Core: Electro-Tin Plated

End Caps: Electro-Tin Plated

Outer Body: Electro-Tin Plated

Adhesives: Thermoset PVC, Urethane, Epoxy

FILTER SIZES AND DIMENSIONS

SERIES	DIMENSIONS					
	OD		ID		LENGTH	
	in	mm	in	mm	in	mm
FIWA-210-µ	2 5/8	67	1 1/16	27	9 7/8	251
FIWA-229-µ	2 5/8	67	1 1/16	27	29 1/4	743
FIWA-230-µ	2 5/8	67	1 1/16	27	29 5/8	752
FIWA-336-µ	3	76	1 1/2	38	35 3/4	908
FIWA-512-µ	5 5/8	143	1 7/8	48	12 1/8	308
FIWA-609-µ	6	152	1 1/2	38	9 3/4	248
FIWA-629-µ	6	152	3 1/2	89	29	737
FIWA-718-µ	6	152	2 5/8	67	18	457
FIWA-736-µ	6	152	2 5/8	67	36	914

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 configuration.

µ = Micron rating

TEMPERATURE / COMPATIBILITY GUIDE

MEDIA	MAXIMUM TEMPERATURE	pH RANGE	PETROLEUM PRODUCTS	CHEMICALS	AQUEOUS SOLUTIONS
Water absorptive Media	225 °F	5 - 9	Excellent	Good	N/A

CARTRIDGE ORDERING INFORMATION

SERIES	DIMENSIONS	MICRON RATING	SPECIAL FEATURES
FIWA	718 See Filter Sizes and Dimensions Table	5 0.5, 1, 3, 5, 10, 25	Z Z = Special ID J = Non-Asbestos Gasket N = Neoprene Gasket V = Viton Gasket