

## FIWA Absorptive Cartridges



### 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 maximum operating temperature: 225°F
- Maximum differential pressure: 100 psi (7.0 kg/cm<sup>2</sup>)
- 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

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

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### PERFORMANCE SPECIFICATION

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

### MATERIALS OF CONSTRUCTION

#### FILTER MEDIA OPTIONS:

0,5,25  $\mu$ m: 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	OD (inches)	ID (inches)	LENGTH (inches)
FIWA-210- $\mu$	2 <sup>5</sup> / <sub>8</sub>	1 <sup>1</sup> / <sub>16</sub>	9 <sup>7</sup> / <sub>8</sub>
FIWA-229- $\mu$	2 <sup>5</sup> / <sub>8</sub>	1 <sup>1</sup> / <sub>16</sub>	29 <sup>1</sup> / <sub>4</sub>
FIWA-230- $\mu$	2 <sup>5</sup> / <sub>8</sub>	1 <sup>1</sup> / <sub>16</sub>	29 <sup>5</sup> / <sub>8</sub>
FIWA-336- $\mu$	3	1 <sup>1</sup> / <sub>2</sub>	35 <sup>3</sup> / <sub>4</sub>
FIWA-512- $\mu$	5 <sup>5</sup> / <sub>8</sub>	1 <sup>7</sup> / <sub>8</sub>	12 <sup>1</sup> / <sub>8</sub>
FIWA-609- $\mu$	6	1 <sup>1</sup> / <sub>2</sub>	9 <sup>3</sup> / <sub>4</sub>
FIWA-629- $\mu$	6	3 <sup>1</sup> / <sub>2</sub>	29
FIWA-718- $\mu$	6	2 <sup>5</sup> / <sub>8</sub>	18
FIWA-736- $\mu$	6	2 <sup>5</sup> / <sub>8</sub>	36

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.

$\mu$  = 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	5	
	See Filter Sizes And Dimensions Table	0.5, 1, 3, 5, 10, 25	Z= Special ID V= Viton Gasket J= Non Asbestos Gasket N= Neoprene Gasket

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