Viper Series

String Wound Cartridge Filters

Available Ratings

0.5, 1, 3, 5, 10, 20, 30, 50, 75, 100, 150 µm

Operating Parameters

Recommended Change-Out Pressure: 35 psid (2.4 bar)

Maximum operating temperature: between 150-750 °F (65-400 °C) depending on material

Features and Benefits

- Viper series precision string wound filter cartridges are designed for economy and ease of use
- Removal ratings are available from 0.5 to 150 micron
- Six distinct materials of construction assure broad chemical compatibility
- Core cover options provide added retention and minimize media migration
- Minimal packaging reduces waste disposal costs
- FDA listed materials are available for potable water and beverage applications.

Viper Nomenclature

Viper Series	Media Material	Cartridge Length	Core Material	Micron Rating		Core Cover	Extended Core
VP	ZF: Polypropylene	097: 9.75”	U: Polypropylene	0.5	30	C	X
	ZFX: Premium polypropylene	100: 10.0”	T: Tin	1	50		
	YC: Cotton	195: 19.5”	A: 304 stainless steel	3	75		
	YCX: Premium cotton	200: 20.0”	S: 316 stainless steel	5	100		
	H: Rayon	295: 29.5”		10	150		
	K: Fibreglass	300: 30.0”		20			
		395: 39.5”					
		400: 40”					

441A Applewood Crescent
Concord, Ontario
L4K 4J3

Phone: 905-761-9000
Toll Free: 1-888-233-1969
Fax: 905-761-9001

Expertise in liquid filtration
info@generalfiltration.com
www.generalfiltration.com

GENERAL FILTRATION

Filter Media Options		
Media	**Description**	**Max Temperature**
Polypropylene	Excellent for filtration of water, organic acids, alkalis, and concentrated acids. Cartridges can be incinerated for easy disposal.	200°F (93°C)
Premium Polypropylene	Polypropylene media which is FDA listed for food and beverage contact. Used for potable water, edible oils, and many other applications.	200°F (93°C)
Cotton	Primarily used for filtering oils, non-potable water, organic solvents, dilute acids, and alkalis. Has a higher temperature resistance than polypropylene.	300°F (149°C)
Premium Cotton	Cotton bleached to meet FDA standards for food and beverage contact. Primarily used for potable water, beverages, and edible oils.	300°F (149°C)
Rayon	Compatibility characteristics similar to cotton. Swells in aqueous solutions and is less absorbent than cotton. Frequently used in the filtration of petroleum oils.	300°F (149°C)
Fibreglass	Excellent for the filtration of organic acids, organic solvents, petroleum oils, mineral acids, and other high temperature and corrosive applications.	750°F (400°C)

Centre Core Options		
Material	**Description**	**Max Temperature**
Polypropylene	Economical core for most applications. Material is FDA listed for food and beverage contact.	150°F (65°C)
Tinned Steel	General purpose metal core for oils, solvents, paints, and other non FDA–applications.	400°F (204°C)
304 Stainless Steel	Appropriate for high temperature filtration of diluted acids and moderately corrosive fluids. Suitable for potable water and beverage applications.	750°F (400°C)
316 Stainless Steel	Excellent for strong acids and very corrosive liquids at high temperatures. Suitable for potable water and beverage applications.	750°F (400°C)

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