

## GRU-V Series Resin-Bonded Cartridges

The unique manufacturing process of GRU-V filter elements produces a rigid fixed-matrix structure with true graded-porosity. This maximizes contaminant-holding capacity while preventing the unloading behavior that is often problematic in competitive products. The grooved outer surface greatly expands the filter's effective surface area and further increases the contaminant holding capacity. The synthetic fiber/phenolic resin binder offers well-proven performance operating under challenging conditions of high temperatures, high fluid viscosities, and high differential pressures. The GRU-V is ideal for paints, coatings, oils, and many other demanding applications.

### Typical Applications

- Coatings
- Epoxies
- Adhesives
- Sealants
- Hydraulic Fluids
- Lubricating Oils
- Greases
- Paints
- Inks

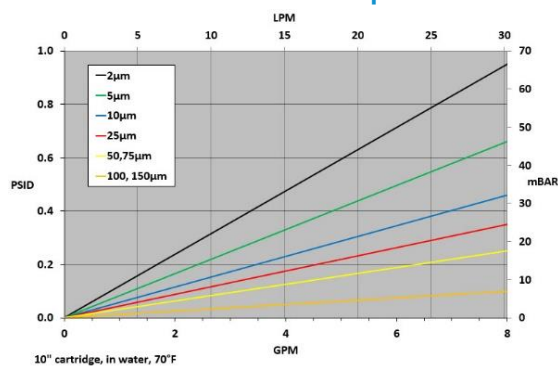
### Dimensions (Nominal)

Length.....9.75 to 40 inches (24.77 to 101.6 cm)  
 Outside Diameter..... 2.56 inches (6.50 cm)  
 Inside Diameter ..... 1.06 inches (2.69 cm)

### Construction Materials

Polyester & acrylic fibers with phenolic resin encapsulation.

### Flow Rate vs Pressure Drop



### Operating Conditions

Maximum Operating Temperature	Standard DOE - 250°F (121°C)
	w/ Polypropylene Spring or Core Extender - 180°F (82°C)
	High Temperature DOE (HT) - 300°F (149°C)
	w/ Stainless Steel Core Extender (HT) - 300°F (149°C)
Maximum Operating Differential Pressure	90 PSID at 150°F (65°C)
Recommended Change-out Differential Pressure	35 PSID

\*High Temperature (HT) Option is used only with DOE and DOE w/ Stainless Steel Core Extender end configurations.

### Features

- Micron ratings from 2 to 150
- True graded-porosity structure for high dirt holding
- Broad chemical compatibility
- Rigid construction ideal for high viscosity uses
- High temperature resistance

### Ordering Information

GRU-V	Rating (µ)	N	Length	-	Option	-	End Cap Style	-	Adders
	2		9.75" (24.77 cm)		Blank = Standard		Blank = No End Configuration (DOE)		B = Micron Brand
	5		10" (25.40 cm)		HT = High Temp		9 = SOE w/ Poly Spring		
	10		19.5" (49.53 cm)				10 = DOE w/ Poly Core Extender		
	25		20" (50.80 cm)				10X = Stainless Steel Core Extender		
	50		29.25" (74.26 cm)				20 = SOE w/Poly Core Extender & Poly Spring		
	75		30" (76.20 cm)						
	100		39" (99.06 cm)						
	125		40" (101.60 cm)						
	150								

DISCLAIMER: Filtration data presented is representative of performance observed in controlled laboratory testing. It is not given as a warranty, specification or statement of fitness for use. Specific performance can vary widely depending on contaminant type, fluid properties, flow rates and environmental conditions. It is recommended that users conduct thorough qualification testing to assure the product functions as required.