

# TERSUS™ 450 SERIES



## Cost Effective Filtration

Tersus 450 Series high performance gas filters are designed to provide dependable protection of downstream equipment and processes by efficiently removing solid contaminant from gas streams.

The use of combining high efficiency proprietary pleated micro-fiber media and support layers minimizes pressure drop and maximizes dirt holding resulting in the most cost effective solution to removing particulate from gas streams.

## Benefits

- Direct upgrade for most common gas separator elements on the market
- Provides high efficiency removal of unwanted contaminants
- Absolute efficiency ratings
- High Dirt Load Capacity with proprietary pleat pack design
- Available in double open ended (DOE) or single open ended (SOE) cap styles

## Common Applications

- Amine plant feed gas and treated gas filtration
- Fuel Gas filtration
- Post filtration for molecular sieve beds, alumina beds, activated carbon beds, flare systems, city gates and metering systems
- Turbine & Reciprocating Engine Fuel Gas
- Pre-filtration for high efficiency coalescers

## Common Contaminants

- Iron sulfides, iron oxides, corrosion products, pipe scale, sand, silt, desiccant fines

## Dimensions

Outside Diameter..... 4.50"  
Inside Diameter ..... 3.25", 3.125", 2.875"  
Length..... 36" & 72"

## Materials of Construction

Filter Media..... Polyester, Micro-fiberglass, or Nylon  
Center Core..... Tinned Steel or Stainless Steel  
Outer Sleeve:..... Tinned Steel or Stainless Steel  
End Caps..... Tinned Steel or Stainless Steel  
Seal Material ..... Buna (standard) and Viton®

## PRODUCT SPECIFICATIONS

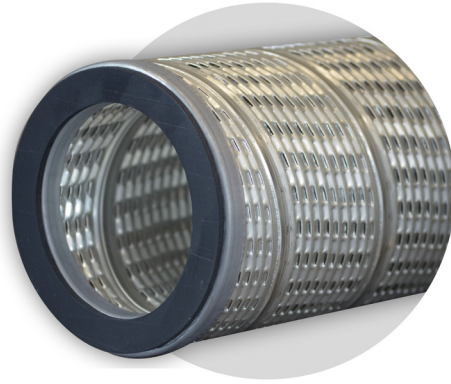
Gas Absolute Micron Ratings:  
0.5, 1, 5, 10, 20, and 50 Micron

Maximum Operating Conditions:  
275°F (135°C) continuous operating  
temperature

Clean Pressure Drop: ≤ 2 PSID

Recommended Change-Out  
Differential Pressure: 15 PSID

Maximum Recommended  
Differential Pressure: 50 PSID



## CARTRIDGE CODING

Use the chart below to create cartridge part number for ordering. Please include dashes when creating part numbers.

	Tersus 450 Gas Particle Filter Series	Micron Rating Absolute	Non-Media Components	Media	Length	End Cap Style	Seal Material
EXAMPLE	<b>GP40</b>	<b>005</b>	<b>T</b>	<b>R</b>	<b>36</b>	<b>1</b>	<b>B</b>
OPTIONS	<b>GP40</b> - 3.25" ID <b>GP41</b> - 3.125" ID <b>GP42</b> - 2.875" ID	<b>005</b> = 0.5 Micron <b>010</b> = 1 Micron <b>050</b> = 5 Micron <b>100</b> = 10 Micron <b>200</b> = 20 Micron <b>500</b> = 50 Micron	<b>T</b> Tinned Steel <b>S</b> 304 Stainless	<b>R</b> Polyester <b>G</b> Glass Fiber <b>N</b> Nylon 6,6	<b>36</b> - 36" <b>72</b> - 72"	<b>1</b> - DOE <b>3</b> - SOE w-bolt hole	<b>B</b> Buna-N <b>V</b> Viton

\* The raw polypropylene materials composing these filters are FDA compliant according to CFR Title 21

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