

TTI PARTNERS WITH FILTRATION INDUSTRY LEADERS

Our Product Line History

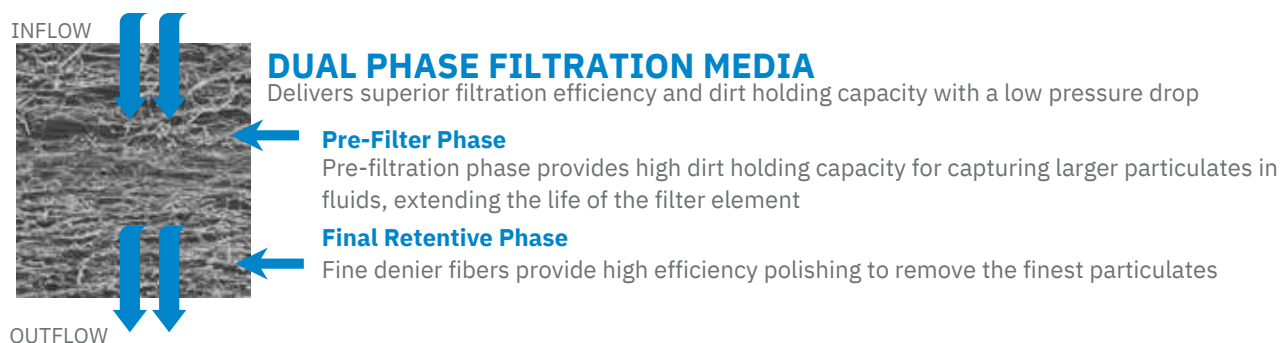
TTI has partnered with Germany-based FG Industrial (Formerly Mahle) to produce the PowerGuard™ Filter Element Line. Together, we are leveraging over 58 years of German filter design and manufacturing expertise to supply world-class products for the North American marketplace. We have replicated FG Industrial manufacturing processes on-continent in our facility in Northglenn, CO.

DuoGlass: Dual Phase Microglass Media

TTI has an exclusive media partner for all of our microglass. TTI has chosen this partner for its flagship Dual Phase media which we have made our standard for the entire TTI PowerGuard™ product line. The Dual Phase microglass media is produced on state-of-the-art automated wet laid production equipment which offers unparalleled quality control and custom capabilities for hard-to-solve

Benefits Of Our Dual Phase Media Over Conventional Single Phase Media:

- Beta 1000 efficiencies in 1µm, 3µm, 6µm, 10µm and 25µm microns
- Graded density creates a “built-in” pre-filter layer for every cartridge
- Reduced pressure drop and increased dirt holding capacity over conventional Single Phase materials



DuoGlass Filter Media Selection Guide

The filter media is the most critical component through which particulate retention is accomplished. For the multitudes of fluids and applications, TTI has developed and offers a range of filtration media. This allows elements to be manufactured in a broad range of filtration capabilities to suit these applications.

Dual Phase Technology



Our dual phase microglass is available in ratings of 1µm, 3µm, 6µm, 10µm, and 25µm, with high dirt holding capacity and low pressure drop.

Tested according to ISO 16889 (multi-pass test).

Valid up to 50 psi differential pressure.

1µm	$\beta_{2.8(C)} \geq 1000$
3µm	$\beta_{4.5(C)} \geq 1000$
6µm	$\beta_{7(C)} \geq 1000$
10µm	$\beta_{11(C)} \geq 1000$
25µm	$\beta_{24(C)} \geq 1000$

Filters used in hydraulic or lubrication systems are tasked with reducing particulate contamination to a targeted level of cleanliness over the service life of the element. The ISO 4406 standard presents a means of specifying these goals by way of a universal cleanliness code. The table below reflects our knowledge and experience designing elements and should be considered a starting point as to what you can expect from your system using the selected TTI microglass media. Your performance can vary based on flow rate, viscosity, differential pressure, and contamination level. It is recommended to conduct trials to verify your filtration process meets your performance goals.

ISO CLEANLINESS CLASSES FOR DUAL PHASE MICROGLASS MEDIA

Filter Media	Projected Cleanliness Codes Per ISO 4406 - 1999, 4µm / 6µm / 14µm
1µm β_{1000}	13/11/08
3µm β_{1000}	14/12/09
6µm β_{1000}	16/13/10
10µm β_{1000}	17/15/11
25µm β_{1000}	23/19/13

ELEMENT ADD-ONS (SEE NEXT PAGES FOR DETAILS)

- Water Absorptive Technology • StaticGuard Technology
- Insoluble Varnish Removal • Stainless Steel Wire Mesh

SmartMedia™ Technology

TTI's SmartMedia™ technology is an innovative solution that combines any two or more medias together in parallel flow to create personalized, and more efficient solutions for sensitive systems. SmartMedia filters are Ideal for fighting high or fluctuating viscosity, varying sizes of particulate contamination, pressure drop issues, and more. Please [reach out to our corporate office](#) for custom SmartMedia™ solutions.

Patent # US 8851295 B2

SmartMedia™ Filter (SF) Elements Line

TTI's SmartMedia element line offers the best pressure drop available for any hydraulic, lubrication, or bulk fluid transfer systems. This drop-in solution **DOES NOT** require users to upgrade their existing equipment.

Benefits:

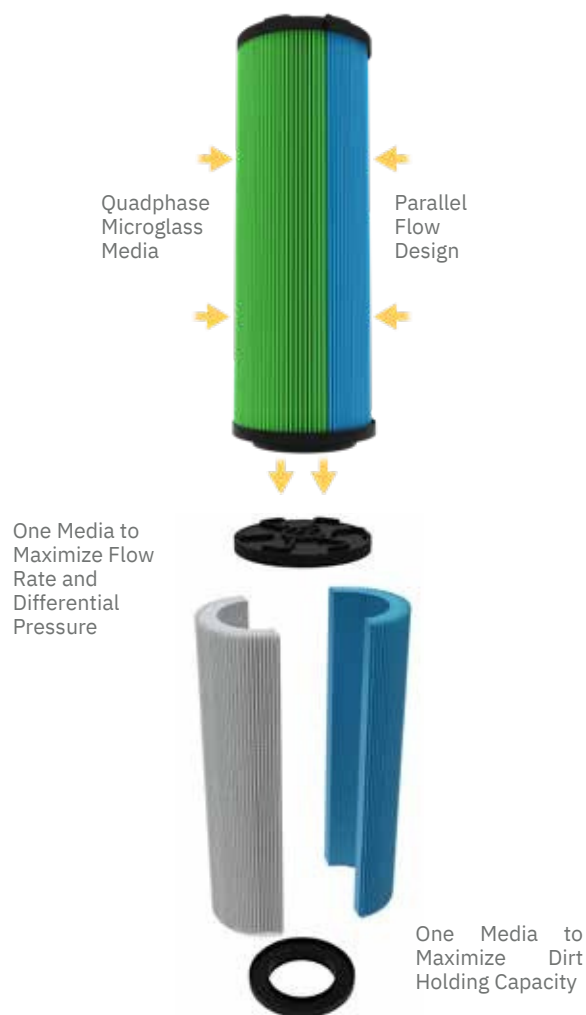
- Up to 25% Longer Life
- Up to 25% Better Initial Pressure Drop
- Patent Protected Design
Patent # US 8851295 B2
- Same Form and Fit, Better Function

Ideal Industries:

- Power Generation & Transmission
- Pulp and Paper Mills
- Steel Manufacturing
- Cement and Aggregate Plants

Built to Fight Symptoms Such As:

- Fluctuating Viscosity
- High Viscous Fluids
- Wide Particulate Size Range



WATER ABSORPTIVE MEDIA: FILTER MEDIA

By adding the Water Absorptive media option, TTI's PowerGuard™ elements have the ability to remove free and emulsified water, with the benefits of superior filtration efficiency and dirt holding capacity.

Water Absorptive (WA) Technology

Filter Media Benefits

Filter elements and spin-ons with WA media specified, have reduced water content within systems, resulting in long-term benefits:

- Increased Uptime
- Maximized Lubricant Health
- Extended Life (supporting reliable systems)

Water Holding Capabilities By Element

Moisture content in PPM x Amount of Fluid in Gallons
x 0.000128 = oz of water content

Moisture content in PPM x Amount of Fluid in liters
x 0.000001 = liters of water content

TTI ELEMENT	WATER CAPACITY
TT75S-*25CWA*	24oz 0.70L
TT8314-39-*WA*	179oz 5.30L
TT9600-8-*WA*	11.5oz 0.35L



STATIC GUARD (SD): FILTER MEDIA

By adding the Static Dissipative media option, TTI's PowerGuard™ elements have the ability to protect against static discharge and dissipate static buildup caused by fluid passing through filter media.

Static Dissipative elements help prevent static discharge, which are high voltage bolts of electricity. These bolts of electricity can burn holes through filter media, break fluid down, form varnish, and presents a safety hazard. Holes formed in filter media allows bypass, causing fluid to not be filtered leading to contamination.

Static Dissipative (SD) Technology

Filter Media Benefits

Filter elements with SD media specified, protects and dissipates static buildup, resulting in long-term benefits:

- Increased Uptime
- Maximized lubricant cleanliness
- Maximized equipment protection against damage



While traditional strainer filters are effective in minimizing static discharge, they do not offer any benefits for contamination and the inevitable damage, downtime, and profit loss they cause.

INSOLUBLE REMOVAL (IR): FILTER MEDIA

By utilizing the Insoluble Removal media, TTI's PowerGuard™ elements have the ability to protect against particulate contamination, water, insoluble oxidation by-product, and varnish.

Insoluble Removal (IR) Technology

Filter Media Benefits

Filter elements with IR media specified, protect against the toughest contaminants such as:

- Fine Particulate < 1 micron
- Water
- Insoluble Oxidation By-Products
- Varnish



While traditional filter media is effective in removing particulate, it does not offer any benefits for fine, insoluble particulate, or varnish removal.

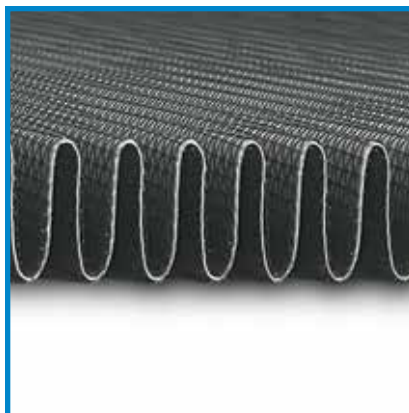
STAINLESS STEEL WIRE MESH (W): FILTER MEDIA

Wire mesh filtration media is a vital component in numerous hydraulic and lubrication applications, providing efficient and reliable filtration solutions. Constructed with robust stainless steel, this filtration media offers exceptional durability, ensuring long-lasting performance even under challenging conditions.

Stainless Steel (W) Wire Mesh

Filter Media Benefits

Stainless Steel Wire Mesh filter elements come in **25, 74, and 149µm** ratings and serve as a durable and more open option to Dual Phase Microglass.



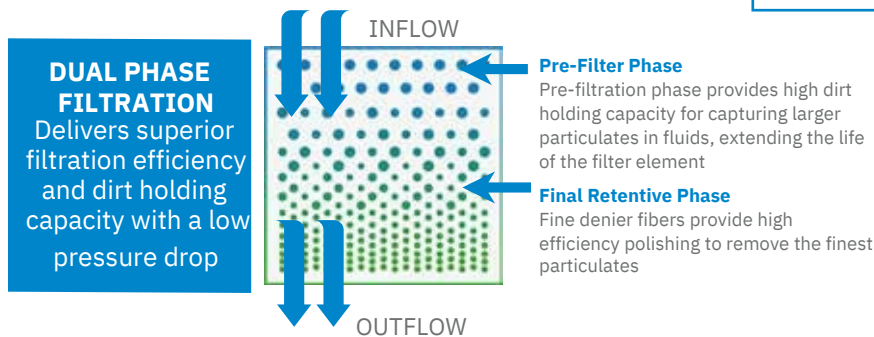
Ideal for a multitude of applications where specific filtration requirements are essential. Widely preferred in industries such as steel manufacturing, mining, oil and gas, and fracking.



TT03 Series

TTI's PowerGuard™ filter line leverages our proprietary DuoGlass media and world-class product design to ensure unparalleled filtration performance.

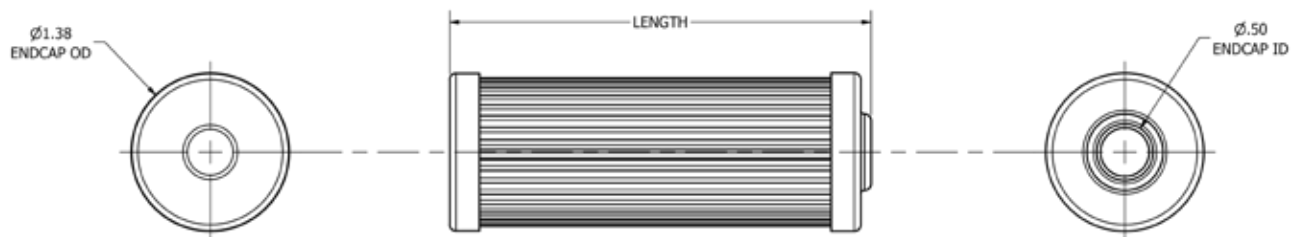
Manufactured in the USA and Germany, our Dual Phase Microglass technology provides Beta 1000 efficiencies with a built-in pre-filter layer to reduce initial pressure drops and extend the life of your filter elements.



PERFORMANCE

- 250 PSID collapse pressure
- 50 PSID change out recommended
- 250°F (121°C) maximum operating temperature

Dimensions



Part Number Builder

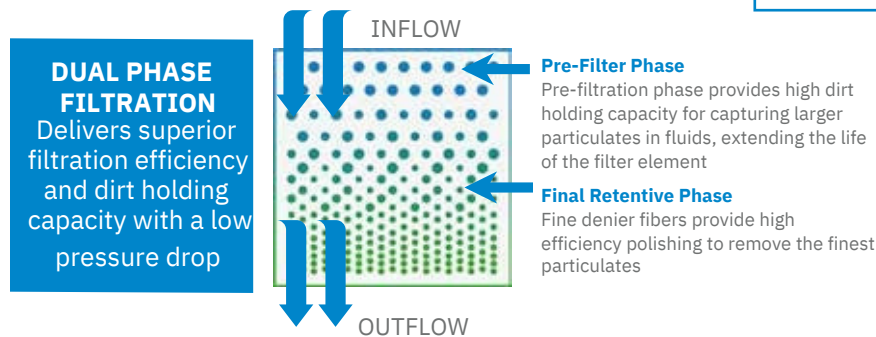
TTI PN	-	Length (inches)	-	Micron Rating (µm)		Media Type	Seal Type
TT03		4 = 3.65		1	74*	(Omit) = Dual Phase Microglass <i>Standard option β1000, available in 1, 3, 6, 10, 25µm</i>	B = Buna
				3	149*	SD = Static Dissipative <i>Viton seals only, available in 1, 3, 6, 10, 25µm</i>	V = Viton
				6		*W = Stainless Steel Wire Mesh <i>Only available in nominally rated 25, 74, 149µm</i>	
				10			
				25			

PART NUMBER EXAMPLE: TT03-2-3V = TT03 (2 length, 3 micron, viton seal type)

TTSF03 Series

TTI's patented SmartMedia™ technology utilizes Dual Phase Microglass in parallel flow to increase dirt holding capacity and lower pressure drops.

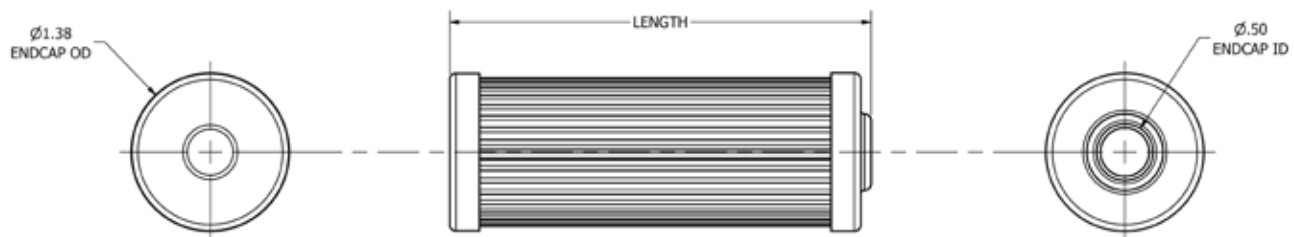
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PERFORMANCE

- 250 PSID collapse pressure
- 50 PSID change out recommended
- 250°F (121°C) maximum operating temperature

Dimensions



Part Number Builder

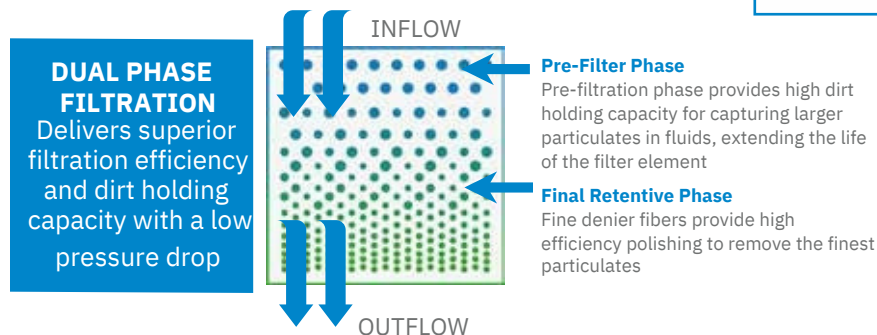
TTI PN	-	Length (inches)	-	Micron Rating (µm)	Media Type	Seal Type
TTSF03		4 = 3.65		1	(Omit) = Dual Phase Microglass <small>Standard option β1000, available in 1, 3, 6, 10, 25µm</small>	B = Buna
				3	SD = Static Dissipative <small>Viton seals only, available in 1, 3, 6, 10, 25µm</small>	V = Viton
				6		
				10		
				25		

PART NUMBER EXAMPLE: TTSF03-2-3V = TTSF03 (2 length, 3 micron SmartFlow media, viton seal type)

TT03HC Series

TTI's PowerGuard™ filter line leverages our proprietary DuoGlass media and world-class product design to ensure unparalleled filtration performance.

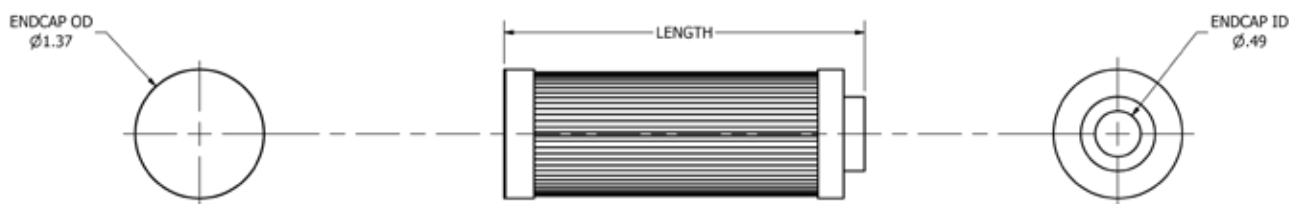
Manufactured in the USA and Germany, our Dual Phase Microglass technology provides Beta 1000 efficiencies with a built-in pre-filter layer to reduce initial pressure drops and extend the life of your filter elements.



PERFORMANCE

- 3000 PSID collapse pressure
- 50 PSID change out recommended
- 250°F (121°C) maximum operating temperature

Dimensions



Part Number Builder

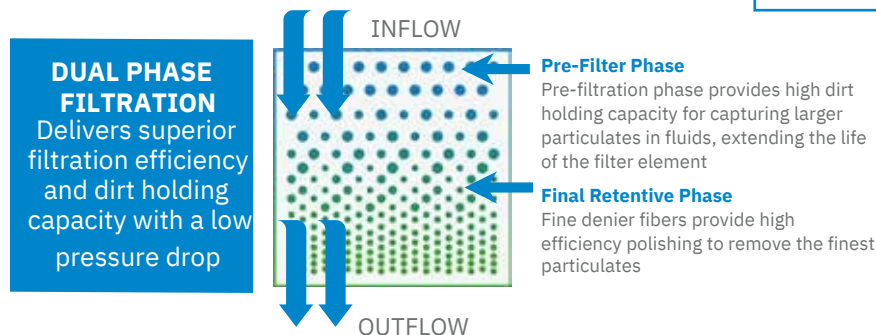
TTI PN	-	Length (inches)	-	Micron Rating (µm)	Media Type	Seal Type
TT03HC		4 = 3.65		1	(Omit) = Dual Phase Microglass <i>Standard option β1000, available in 1, 3, 6, 10, 25µm</i>	B = Buna
				3	SD = Static Dissipative <i>Viton seals only, available in 1, 3, 6, 10, 25µm</i>	V = Viton
				6	*W = Stainless Steel Wire Mesh <i>Only available in nominally rated 25, 74, 149µm</i>	
				10		
				25		

PART NUMBER EXAMPLE: TT03HC-2-3V = TT03HC (2 length, 3 micron, viton seal type)

TTSF03HC Series

TTI's patented SmartMedia™ technology utilizes Dual Phase Microglass in parallel flow to increase dirt holding capacity and lower pressure drops.

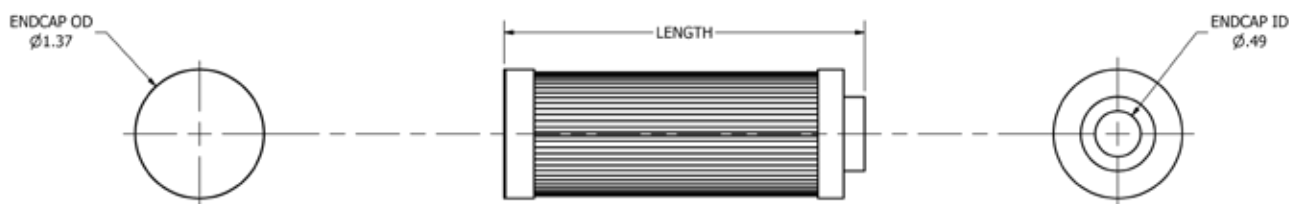
SmartMedia filters are Ideal for systems with cold start-ups and excel at fighting varying sizes of particulate contamination, high or fluctuating viscosity, and much more.



PERFORMANCE

- ▶ 3000 PSID collapse pressure
- ▶ 50 PSID change out recommended
- ▶ 250°F (121°C) maximum operating temperature

Dimensions



Part Number Builder

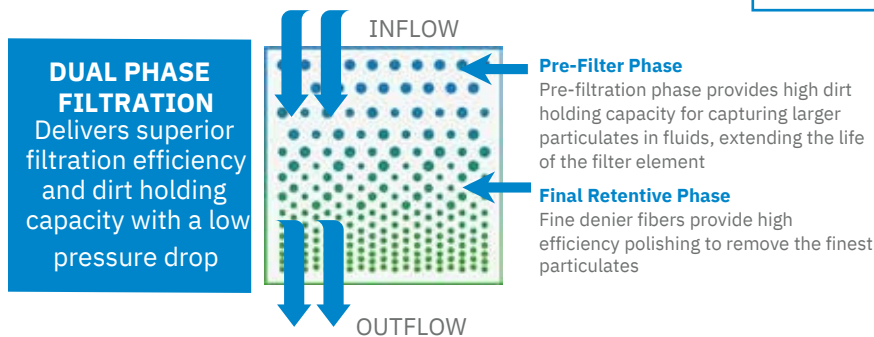
TTI PN TTSF03HC	-	Length (inches)	-	Micron Rating (µm)	Media Type	Seal Type
		4 = 3.69		1	(Omit) = Dual Phase Microglass <i>Standard option β1000, available in 1, 3, 6, 10, 25µm</i>	B = Buna
				3	SD = Static Dissipative <i>Viton seals only, available in 1, 3, 6, 10, 25µm</i>	V = Viton
				6		
				10		
				25		

PART NUMBER EXAMPLE: TTSF03HC-2-3V = TTSF03HC (2 length, 3 micron SmartFlow media, viton seal type)

TT06 Series

TTI's PowerGuard™ filter line leverages our proprietary DuoGlass media and world-class product design to ensure unparalleled filtration performance.

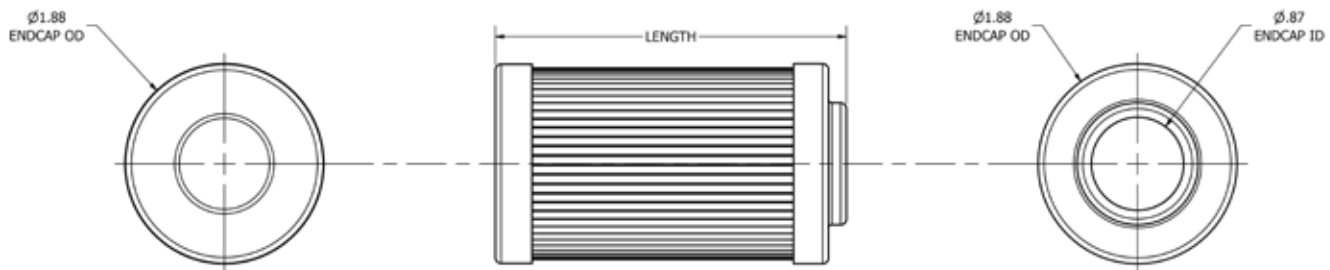
Manufactured in the USA and Germany, our Dual Phase Microglass technology provides Beta 1000 efficiencies with a built-in pre-filter layer to reduce initial pressure drops and extend the life of your filter elements.



PERFORMANCE

- 235 PSID collapse pressure
- 50 PSID change out recommended
- 250°F (121°C) maximum operating temperature

Dimensions



Part Number Builder

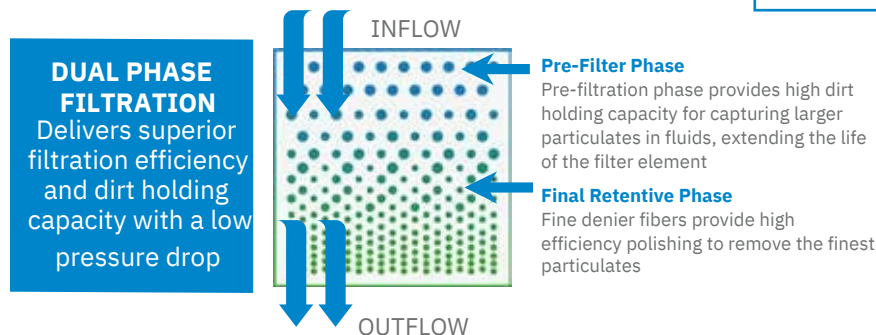
TTI PN	-	Length (inches)	-	Micron Rating (µm)	Media Type	Seal Type
TT06		4 = 3.65		1	(Omit) = Dual Phase Microglass <i>Standard option β1000, available in 1, 3, 6, 10, 25µm</i>	B = Buna
		8 = 8.00		3	SD = Static Dissipative <i>Viton seals only, available in 1, 3, 6, 10, 25µm</i>	V = Viton
				6	WA = Water Absorptive <i>Available in 3, 6, 10, 25µm</i>	
				10	*W = Stainless Steel Wire Mesh <i>Only available in nominally rated 25, 74, 149µm</i>	
				25		

PART NUMBER EXAMPLE: TT06-4-3V = TT06 (4 length, 3 micron, viton seal type)

TTSF06 Series

TTI's patented SmartMedia™ technology utilizes Dual Phase Microglass in parallel flow to increase dirt holding capacity and lower pressure drops.

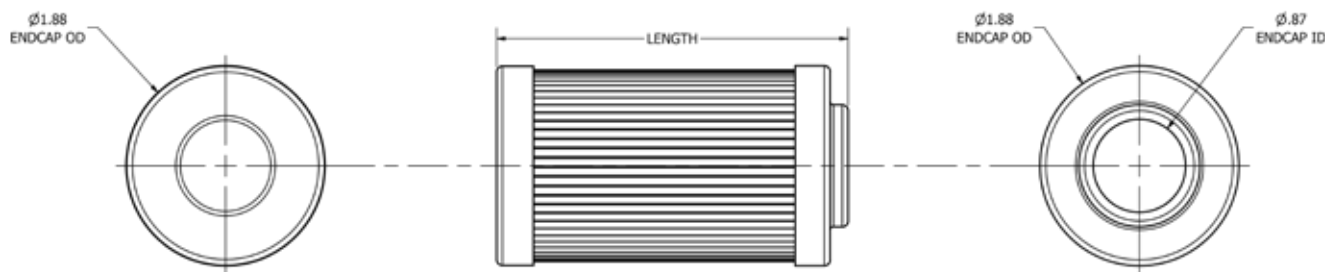
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PERFORMANCE

- 235 PSID collapse pressure
- 50 PSID change out recommended
- 250°F (121°C) maximum operating temperature

Dimensions



Part Number Builder

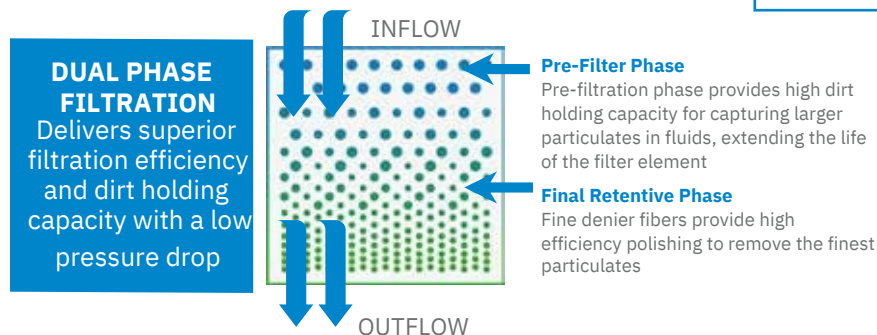
TTI PN	-	Length (inches)	-	Micron Rating (µm)	Media Type	Seal Type
TTSF06		4 = 3.32		1	(Omit) = Dual Phase Microglass <i>Standard option β1000, available in 1, 3, 6, 10, 25µm</i>	B = Buna
		7 = 6.00		3	WA = Water Absorptive <i>Available in 3, 6, 10, 25µm</i>	V = Viton
				6	SD = Static Dissipative <i>Viton seals only, available in 1, 3, 6, 10, 25µm</i>	
				10		
				25		

PART NUMBER EXAMPLE: TTSF06-4-3V = TTSF06 (4 length, 3 micron SmartFlow media, viton seal type)

TT06HC Series

TTI's PowerGuard™ filter line leverages our proprietary DuoGlass media and world-class product design to ensure unparalleled filtration performance.

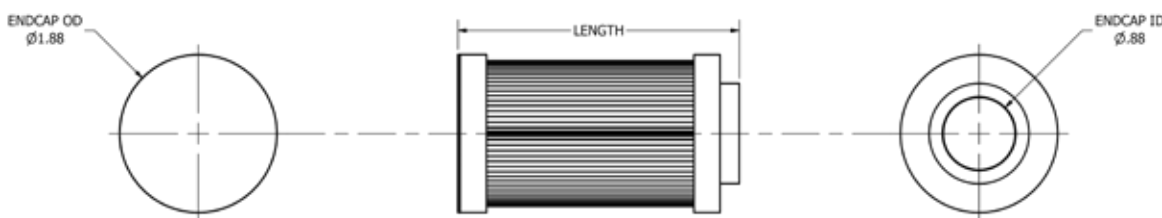
Manufactured in the USA and Germany, our Dual Phase Microglass technology provides Beta 1000 efficiencies with a built-in pre-filter layer to reduce initial pressure drops and extend the life of your filter elements.



PERFORMANCE

- ▶ 3000 PSID collapse pressure
- ▶ 50 PSID change out recommended
- ▶ 250°F (121°C) maximum operating temperature

Dimensions



Part Number Builder

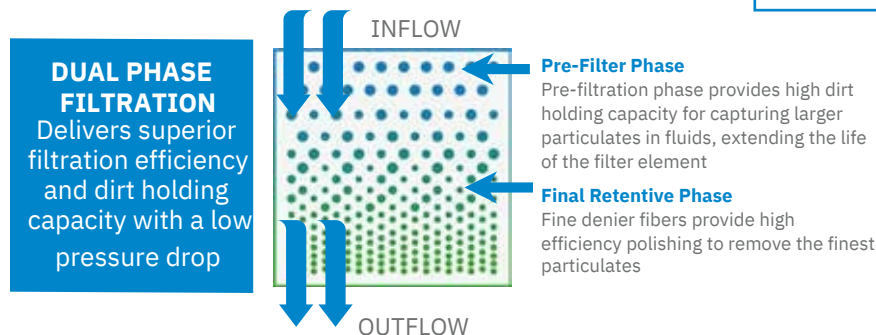
TTI PN	-	Length (inches)	-	Micron Rating (µm)		Media Type	Seal Type
TT06HC		4 = 4.30		1	74*	(Omit) = Dual Phase Microglass <small>Standard option β1000, available in 1, 3, 6, 10, 25µm</small>	B = Buna
		7 = 6.02		3	149*	SD = Static Dissipative <small>Viton seals only, available in 1, 3, 6, 10, 25µm</small>	V = Viton
				6		WA = Water Absorptive <small>Available in 3, 6, 10, 25µm</small>	
				10		*W = Stainless Steel Wire Mesh <small>Only available in nominally rated 25, 74, 149µm</small>	
				25			

PART NUMBER EXAMPLE: TT06HC-4-3V = TT06HC (4 length, 3 micron, viton seal type)

TTSF06HC Series

TTI's patented SmartMedia™ technology utilizes Dual Phase Microglass in parallel flow to increase dirt holding capacity and lower pressure drops.

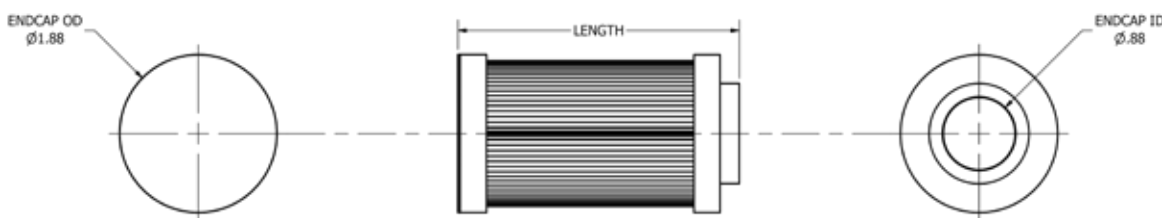
SmartMedia filters are Ideal for systems with cold start-ups and excel at fighting varying sizes of particulate contamination, high or fluctuating viscosity, and much more.



PERFORMANCE

- 3000 PSID collapse pressure
- 50 PSID change out recommended
- 250°F (121°C) maximum operating temperature

Dimensions



Part Number Builder

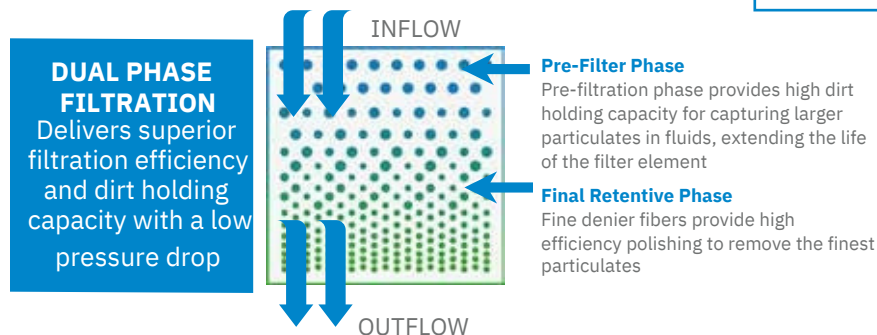
TTI PN TTSF06HC	-	Length (inches)	-	Micron Rating (µm)	Media Type	Seal Type
		4 = 4.30		1	(Omit) = Dual Phase Microglass <i>Standard option β1000, available in 1, 3, 6, 10, 25µm</i>	B = Buna
		7 = 6.02		3	WA = Water Absorptive <i>Available in 3, 6, 10, 25µm</i>	V = Viton
				6	SD = Static Dissipative <i>Viton seals only, available in 1, 3, 6, 10, 25µm</i>	
				10		
				25		

PART NUMBER EXAMPLE: TTSF06HC-4-3V = TTSF06HC (4 length, 3 micron SmartFlow media, viton seal type)

TT06R Series

TTI's PowerGuard™ filter line leverages our proprietary DuoGlass media and world-class product design to ensure unparalleled filtration performance.

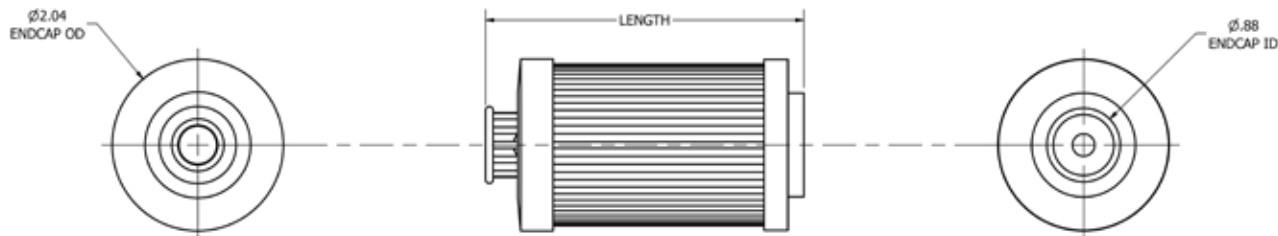
Manufactured in the USA and Germany, our Dual Phase Microglass technology provides Beta 1000 efficiencies with a built-in pre-filter layer to reduce initial pressure drops and extend the life of your filter elements.



PERFORMANCE

- 150 PSID collapse pressure
- 43.5 PSID integral bypass
- 43.5 PSID change out recommended
- 250°F (121°C) maximum operating temperature

Dimensions



Part Number Builder

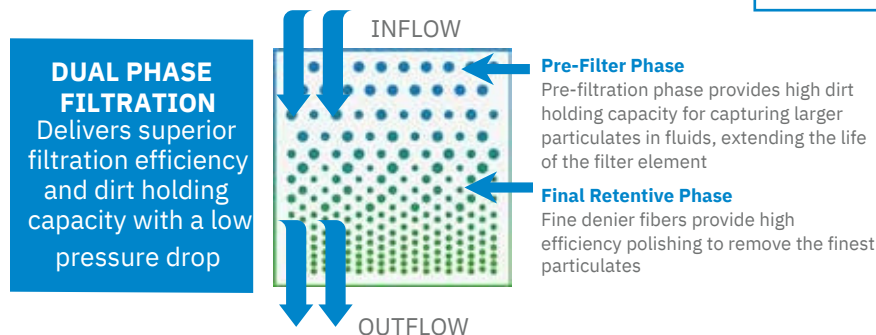
TTI PN	-	Length (inches)	-	Micron Rating (µm)	Media Type	Seal Type	-	Bypass
TT06R		5 = 5.75		1	74*	(Omit) = Dual Phase Microglass Standard option β1000, available in 1, 3, 6, 10, 25µm	B = Buna	(Omit) = 43 PSI Bypass* *Standard option
		8 = 8.00		3	149*	WA = Water Absorptive Available in 3, 6, 10, 25µm	V = Viton	XBP = No Bypass
				6		SD = Static Dissipative Viton seals only, available in 1, 3, 6, 10, 25µm		
				10		*W = Stainless Steel Wire Mesh Only available in nominally rated 25, 74, 149µm		
				25				

PART NUMBER EXAMPLE: TT06R-5-3V = TT06R (5 length, 3 micron, viton, with 43 PSI bypass)

TTSF06R Series

TTI's patented SmartMedia™ technology utilizes Dual Phase Microglass in parallel flow to increase dirt holding capacity and lower pressure drops.

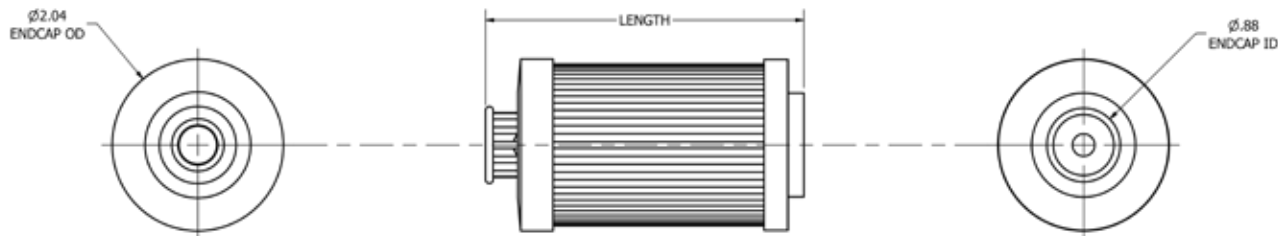
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PERFORMANCE

- 150 PSID collapse pressure
- 43.5 PSID integral bypass
- 43.5 PSID change out recommended
- 250°F (121°C) maximum operating temperature

Dimensions



Part Number Builder

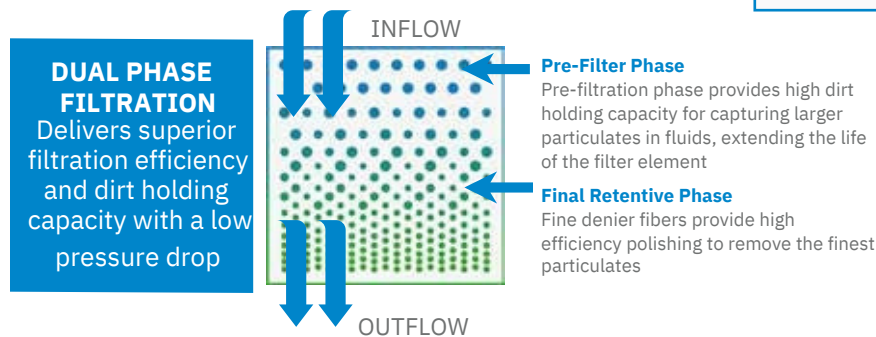
TTI PN	-	Length (inches)	-	Micron Rating (µm)	Media Type	Seal Type	-	Bypass
TTSF06R		5 = 5.75		1	(Omit) = Dual Phase Microglass <i>Standard option β1000, available in 1, 3, 6, 10, 25µm</i>	B = Buna		(Omit) = 43 PSI Bypass* <i>*Standard option</i>
		8 = 8.00		3	WA = Water Absorptive <i>Available in 3, 6, 10, 25µm</i>	V = Viton		XBP = No Bypass
				6	SD = Static Dissipative <i>Viton seals only, available in 1, 3, 6, 10, 25µm</i>			
				10				
				25				

PART NUMBER EXAMPLE: TTSF06R-5-3V = TTSF06R (5 length, 3 micron SmartFlow media, viton, with 43 PSI bypass)

TT-08 Series

TTI's PowerGuard™ filter line leverages our proprietary DuoGlass media and world-class product design to ensure unparalleled filtration performance.

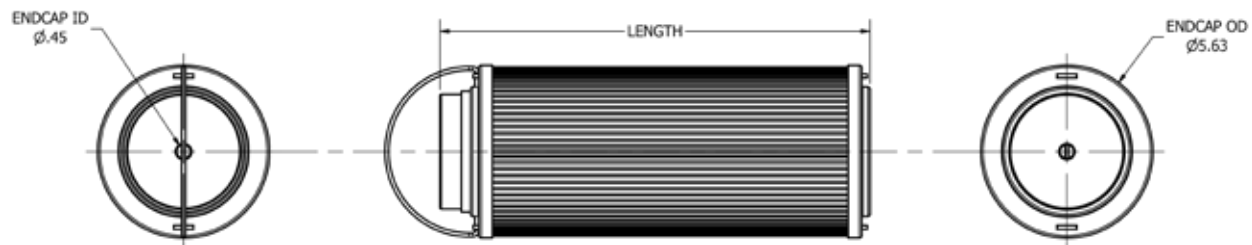
Manufactured in the USA and Germany, our Dual Phase Microglass technology provides Beta 1000 efficiencies with a built-in pre-filter layer to reduce initial pressure drops and extend the life of your filter elements.



PERFORMANCE

- 150 PSID collapse pressure
- 50 PSID change out recommended
- 250°F (121°C) maximum operating temperature

Dimensions



Part Number Builder

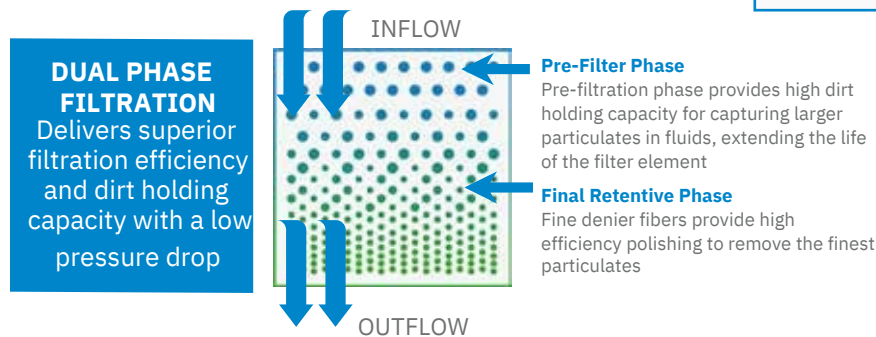
TTI PN TT-08	-	Micron Rating	Media Type	Seal Type	-ND
		1 Absolute	(Omit) = Dual Phase Microglass* *Standard option	B = Buna	ND = Non Desiccant Breather
				V = Viton	

PART NUMBER EXAMPLE: TT-08-1V-ND = TT-08 (1 micron absolute, viton seal type, non desiccant breather)

TTSF-08 Series

TTI's patented SmartMedia™ technology utilizes Dual Phase Microglass in parallel flow to increase dirt holding capacity and lower pressure drops.

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PERFORMANCE

- 150 PSID collapse pressure
- 50 PSID change out recommended
- 250°F (121°C) maximum operating temperature

Dimensions



Part Number Builder

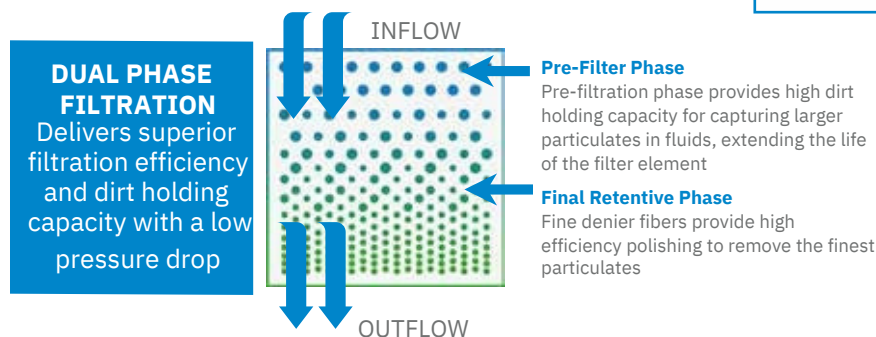
TTI PN TTSF-08	-	Micron Rating	Media Type	Seal Type	-ND
		1 Absolute	(Omit) = Dual Phase Microglass* *Standard option	B = Buna	ND = Non Desiccant Breather
				V = Viton	

PART NUMBER EXAMPLE: TTSF-08-1V-ND = TTSF-08 (1 micron absolute SmartFlow media, viton seal type, non desiccant breather)

TT16 Series

TTI's PowerGuard™ filter line leverages our proprietary DuoGlass media and world-class product design to ensure unparalleled filtration performance.

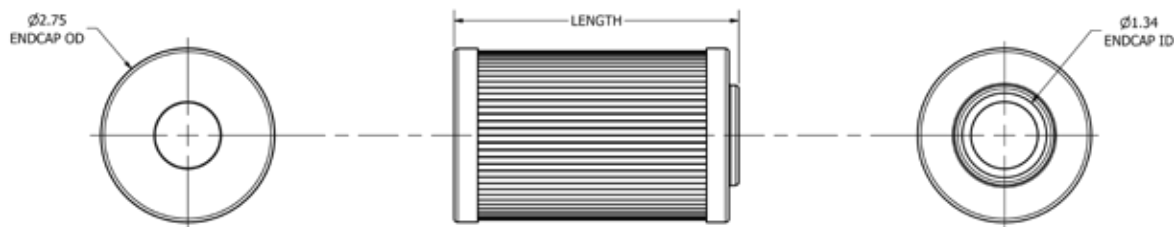
Manufactured in the USA and Germany, our Dual Phase Microglass technology provides Beta 1000 efficiencies with a built-in pre-filter layer to reduce initial pressure drops and extend the life of your filter elements.



PERFORMANCE

- 235 PSID collapse pressure
- 50 PSID change out recommended
- 250°F (121°C) maximum operating temperature

Dimensions



Part Number Builder

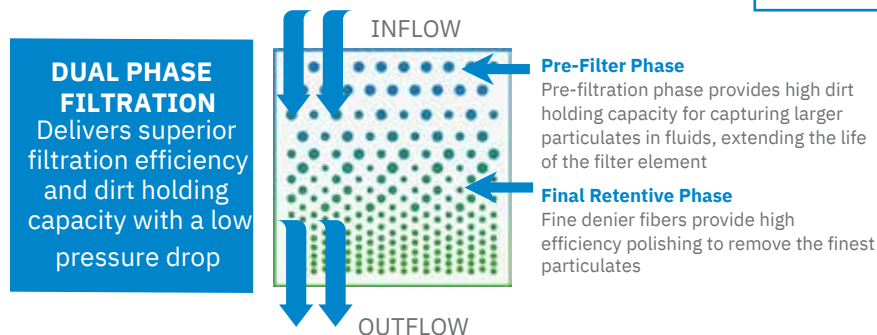
TTI PN	-	Length (inches)	-	Micron Rating (µm)		Media Type	Seal Type
TT16		5 = 4.50		1	74*	(Omit) = Dual Phase Microglass <i>Standard option β1000, available in 1, 3, 6, 10, 25µm</i>	B = Buna
		8 = 6.85		3	149*	SD = Static Dissipative <i>Viton seals only, available in 1, 3, 6, 10, 25µm</i>	V = Viton
		14 = 13.98		6		WA = Water Absorptive <i>Available in 3, 6, 10, 25µm</i>	
				10		*W = Stainless Steel Wire Mesh <i>Only available in nominally rated 25, 74, 149µm</i>	
				25			

PART NUMBER EXAMPLE: TT16-5-3V = TT16 (5 length, 3 micron, viton seal type)

TTSF16 Series

TTI's patented SmartMedia™ technology utilizes Dual Phase Microglass in parallel flow to increase dirt holding capacity and lower pressure drops.

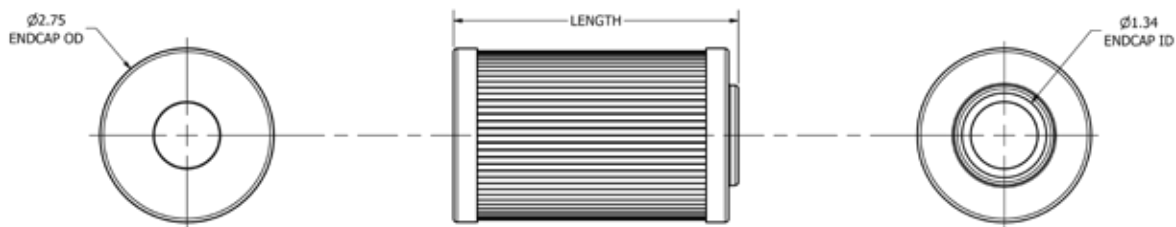
SmartMedia filters are Ideal for systems with cold start-ups and excel at fighting varying sizes of particulate contamination, high or fluctuating viscosity, and much more.



PERFORMANCE

- 235 PSID collapse pressure
- 50 PSID change out recommended
- 250°F (121°C) maximum operating temperature

Dimensions



Part Number Builder

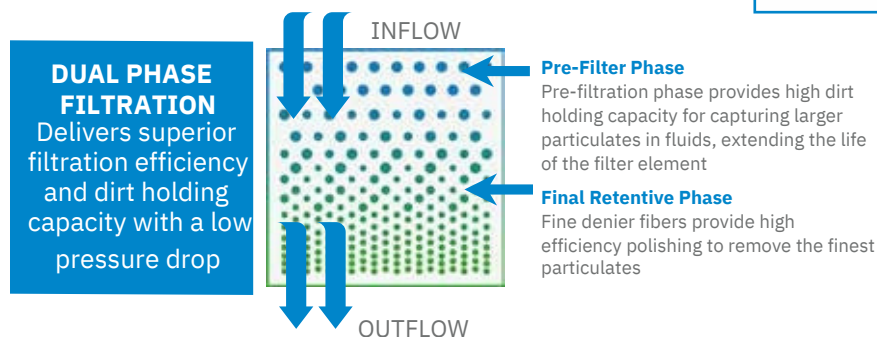
TTI PN	-	Length (inches)	-	Micron Rating (µm)	Media Type	Seal Type
TTSF16		5 = 4.50		1	(Omit) = Dual Phase Microglass <i>Standard option β1000, available in 1, 3, 6, 10, 25µm</i>	B = Buna
		8 = 6.85		3	WA = Water Absorptive <i>Available in 3, 6, 10, 25µm</i>	V = Viton
		14 = 13.98		6	SD = Static Dissipative <i>Viton seals only, available in 1, 3, 6, 10, 25µm</i>	
				10		
				25		

PART NUMBER EXAMPLE: TTSF16-5-3V = TTSF16 (5 length, 3 micron SmartFlow media, viton seal type)

TT16HC Series

TTI's PowerGuard™ filter line leverages our proprietary DuoGlass media and world-class product design to ensure unparalleled filtration performance.

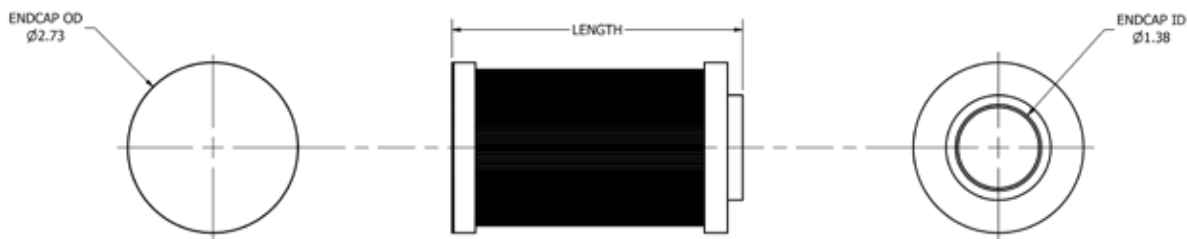
Manufactured in the USA and Germany, our Dual Phase Microglass technology provides Beta 1000 efficiencies with a built-in pre-filter layer to reduce initial pressure drops and extend the life of your filter elements.



PERFORMANCE

- 3000 PSID collapse pressure
- 50 PSID change out recommended
- 250°F (121°C) maximum operating temperature

Dimensions



Part Number Builder

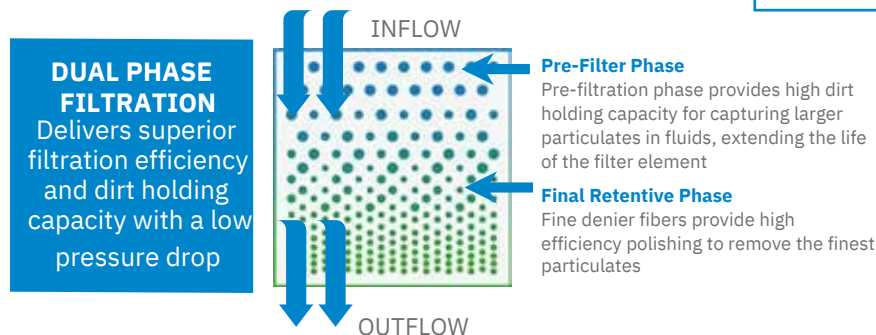
TTI PN	-	Length (inches)	-	Micron Rating (µm)	Media Type	Seal Type
TT16HC		5 = 4.49		1	(Omit) = Dual Phase Microglass Standard option β1000, available in 1, 3, 6, 10, 25µm	B = Buna
		8 = 6.83		3	SD = Static Dissipative Viton seals only, available in 1, 3, 6, 10, 25µm	V = Viton
		14 = 13.98		6	WA = Water Absorptive Available in 3, 6, 10, 25µm	
				10	*W = Stainless Steel Wire Mesh Only available in nominally rated 25, 74, 149µm	
				25		

PART NUMBER EXAMPLE: TT16HC-5-3V = TT16HCv (5 length, 3 micron, viton seal type)

TTSF16HC Series

TTI's patented SmartMedia™ technology utilizes Dual Phase Microglass in parallel flow to increase dirt holding capacity and lower pressure drops.

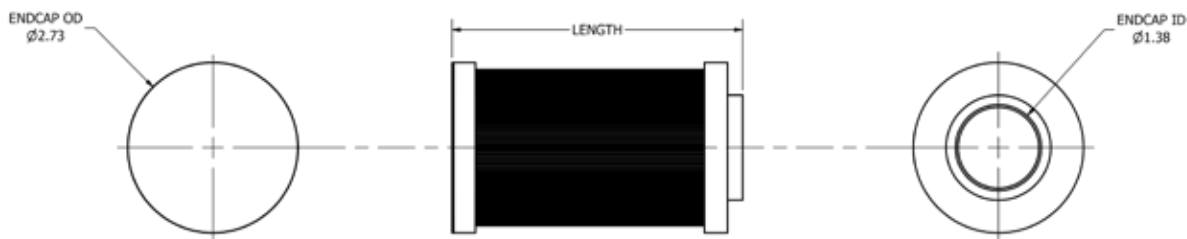
SmartMedia filters are Ideal for systems with cold start-ups and excel at fighting varying sizes of particulate contamination, high or fluctuating viscosity, and much more.



PERFORMANCE

- 3000 PSID collapse pressure
- 50 PSID change out recommended
- 250°F (121°C) maximum operating temperature

Dimensions



Part Number Builder

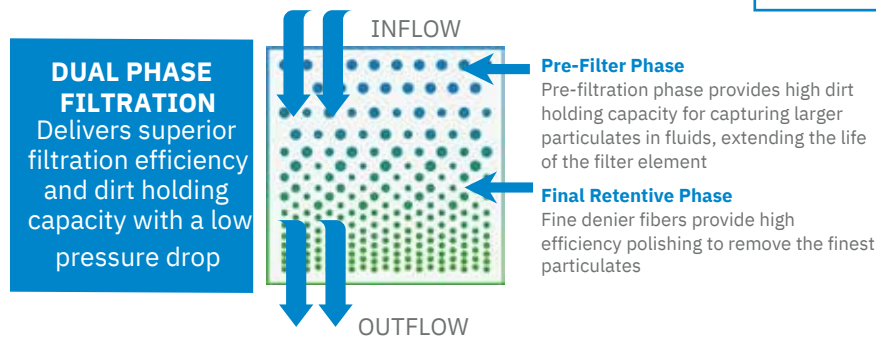
TTI PN TTSF16HC	-	Length (inches)	-	Micron Rating (µm)	Media Type	Seal Type
		5 = 4.49		1	(Omit) = Dual Phase Microglass <i>Standard option β1000, available in 1, 3, 6, 10, 25µm</i>	B = Buna
		8 = 6.83		3	WA = Water Absorptive <i>Available in 3, 6, 10, 25µm</i>	V = Viton
		14 = 13.98		6	SD = Static Dissipative <i>Viton seals only, available in 1, 3, 6, 10, 25µm</i>	
				10		
				25		

PART NUMBER EXAMPLE: TTSF16HC-5-3V = TTSF16HC (5 length, 3 micron SmartFlow media, viton seal type)

TT16R Series

TTI's PowerGuard™ filter line leverages our proprietary DuoGlass media and world-class product design to ensure unparalleled filtration performance.

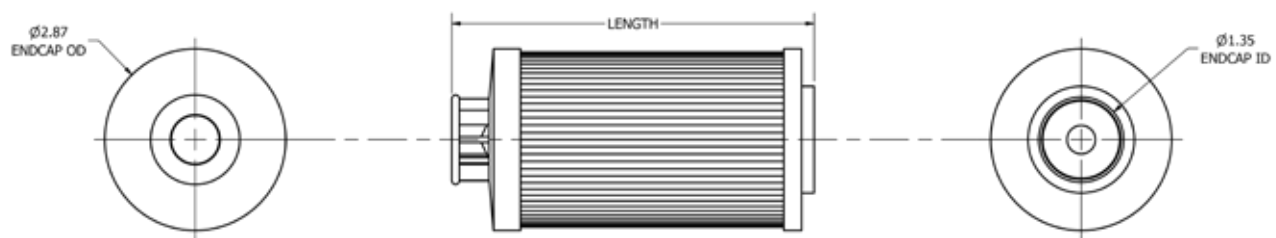
Manufactured in the USA and Germany, our Dual Phase Microglass technology provides Beta 1000 efficiencies with a built-in pre-filter layer to reduce initial pressure drops and extend the life of your filter elements.



PERFORMANCE

- 150 PSID collapse pressure
- 43.5 PSID integral Bypass
- 43.5 PSID change out recommended
- 250°F (121°C) maximum operating temperature

Dimensions



Part Number Builder

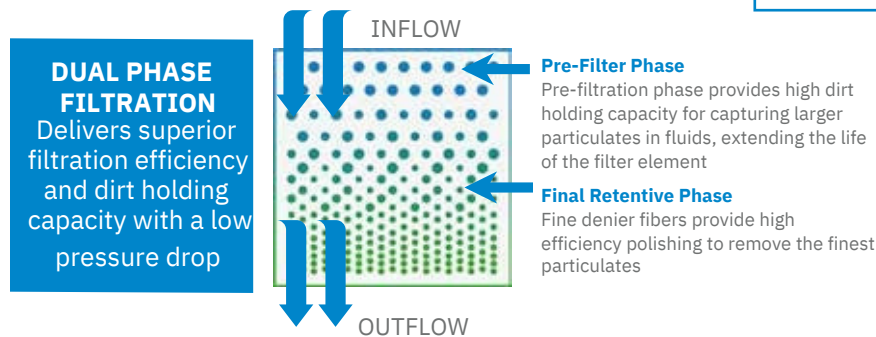
TTI PN	-	Length (inches)	-	Micron Rating (µm)	Media Type	Seal Type	-	Bypass
		5 = 5.75		1	74*	(Omit) = Dual Phase Microglass Standard option β1000, available in 1, 3, 6, 10, 25µm	B = Buna	(Omit) = 43 PSI Bypass* *Standard option
		8 = 8.00		3	149*	WA = Water Absorptive Available in 3, 6, 10, 25µm	V = Viton	XBP = No Bypass
		14 = 15.12		6		SD = Static Dissipative Viton seals only, available in 1, 3, 6, 10, 25µm		
				10		*W = Stainless Steel Wire Mesh Only available in nominally rated 25, 74, 149µm		
				25				

PART NUMBER EXAMPLE: TT16R-5-3V = TT16R (5 length, 3 micron, viton, with 43 PSI bypass)

TTSF16R Series

TTI's patented SmartMedia™ technology utilizes Dual Phase Microglass in parallel flow to increase dirt holding capacity and lower pressure drops.

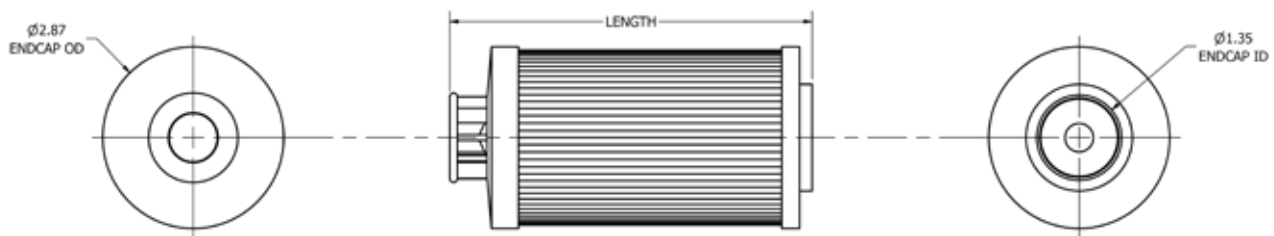
SmartMedia filters are Ideal for systems with cold start-ups and excel at fighting varying sizes of particulate contamination, high or fluctuating viscosity, and much more.



PERFORMANCE

- 150 PSID collapse pressure
- 43.5 PSID integral Bypass
- 43.5 PSID change out recommended
- 250°F (121°C) maximum operating temperature

Dimensions



Part Number Builder

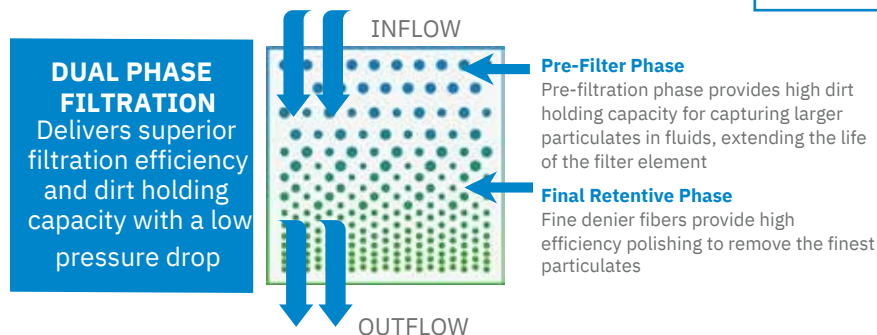
TTI PN	-	Length (inches)	-	Micron Rating (µm)	Media Type	Seal Type	-	Bypass
TTSF16R		5 = 5.75		1	(Omit) = Dual Phase Microglass <i>Standard option β1000, available in 1, 3, 6, 10, 25µm</i>	B = Buna		(Omit) = 43 PSI Bypass* <i>*Standard option</i>
		8 = 8.00		3	WA = Water Absorptive <i>Available in 3, 6, 10, 25µm</i>	V = Viton		XBP = No Bypass
		14 = 15.12		6	SD = Static Dissipative <i>Viton seals only, available in 1, 3, 6, 10, 25µm</i>			
				10				
				25				

PART NUMBER EXAMPLE: TTSF16R-5-3V = TTSF16R (5 length, 3 micron SmartFlow media, viton, with 43 PSI bypass)

TT32 Series

TTI's PowerGuard™ filter line leverages our proprietary DuoGlass media and world-class product design to ensure unparalleled filtration performance.

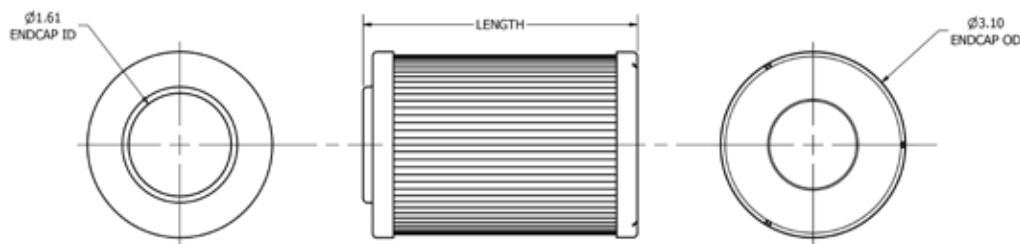
Manufactured in the USA and Germany, our Dual Phase Microglass technology provides Beta 1000 efficiencies with a built-in pre-filter layer to reduce initial pressure drops and extend the life of your filter elements.



PERFORMANCE

- 150 PSID collapse pressure
- 50 PSID change out recommended
- 250°F (121°C) maximum operating temperature

Dimensions



Part Number Builder

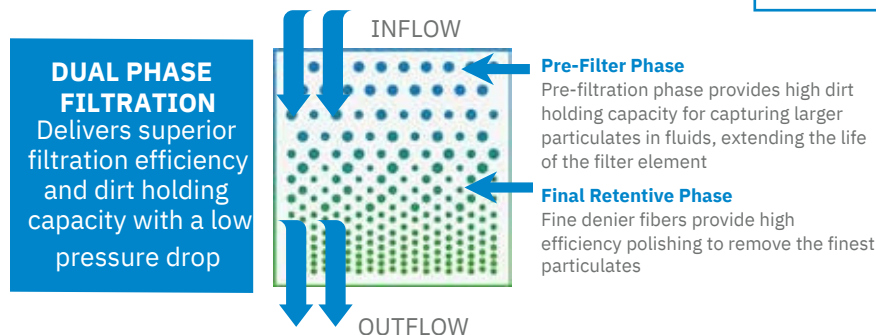
TTI PN	-	Length (inches)		-	Micron Rating (µm)		Media Type	Seal Type
TT32		4 = 4.51	12 = 13.11		1	74*	(Omit) = Dual Phase Microglass Standard option β1000, available in 1, 3, 6, 10, 25µm	B = Buna
		6 = 6.18	15 = 14.87		3	149*	WA = Water Absorptive Available in 3, 6, 10, 25µm	V = Viton
		7 = 6.68	16 = 15.61		6		SD = Static Dissipative Viton seals only, available in 1, 3, 6, 10, 25µm	
		9 = 9.18	17 = 15.75		10		*W = Stainless Steel Wire Mesh Only available in nominally rated 25, 74, 149µm	
		10 = 9.72	20 = 20.18		25			

PART NUMBER EXAMPLE: TT32-7-3V = TT32 (7 length, 3 micron, viton seal type)

TTSF32 Series

TTI's patented SmartMedia™ technology utilizes Dual Phase Microglass in parallel flow to increase dirt holding capacity and lower pressure drops.

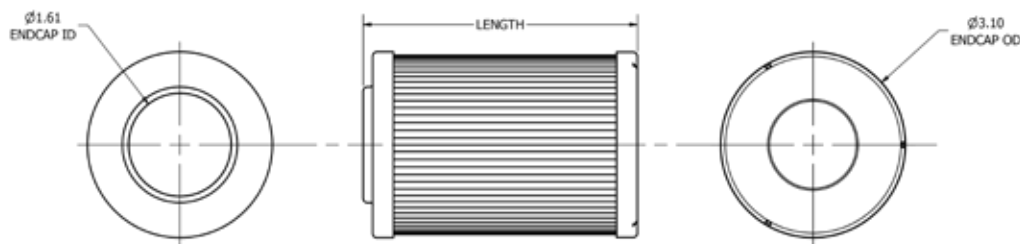
SmartMedia filters are Ideal for systems with cold start-ups and excel at fighting varying sizes of particulate contamination, high or fluctuating viscosity, and much more.



PERFORMANCE

- 150 PSID collapse pressure
- 50 PSID change out recommended
- 250°F (121°C) maximum operating temperature

Dimensions



Part Number Builder

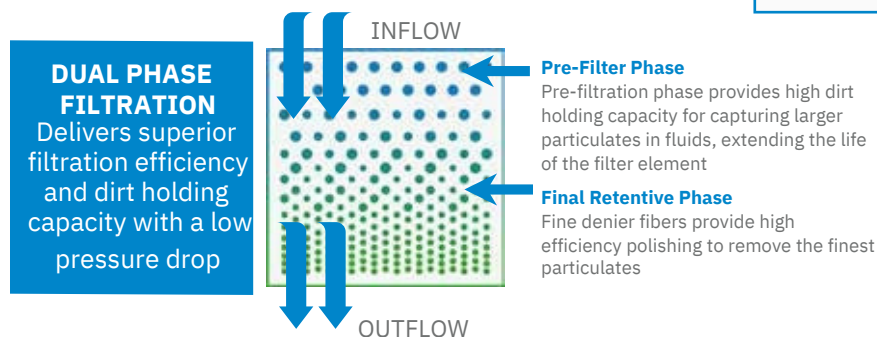
TTI PN	-	Length (inches)		-	Micron Rating (µm)	Media Type	Seal Type
TTSF32		4 = 4.51	12 = 13.11		1	(Omit) = Dual Phase Microglass <i>Standard option β1000, available in 1, 3, 6, 10, 25µm</i>	B = Buna
		6 = 6.18	15 = 14.87		3	WA = Water Absorptive <i>Available in 3, 6, 10, 25µm</i>	V = Viton
		7 = 6.68	16 = 15.61		6	SD = Static Dissipative <i>Viton seals only, available in 1, 3, 6, 10, 25µm</i>	
		9 = 9.18	17 = 15.75		10		
		10 = 9.72	20 = 20.18		25		

PART NUMBER EXAMPLE: TTSF32-7-3V = TTSF32 (7 length, 3 micron SmartFlow media, viton seal type)

TT33 Series

TTI's PowerGuard™ filter line leverages our proprietary DuoGlass media and world-class product design to ensure unparalleled filtration performance.

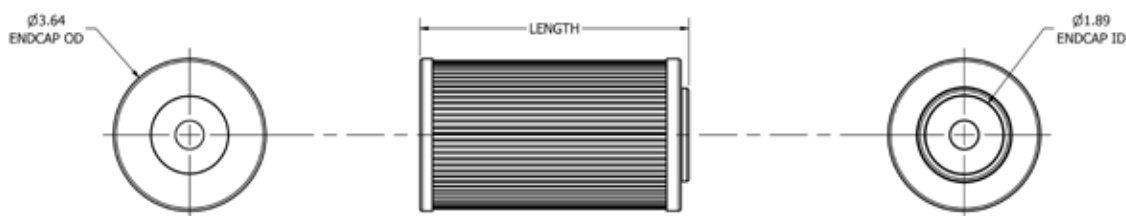
Manufactured in the USA and Germany, our Dual Phase Microglass technology provides Beta 1000 efficiencies with a built-in pre-filter layer to reduce initial pressure drops and extend the life of your filter elements.



PERFORMANCE

- 235 PSID collapse pressure
- 50 PSID change out recommended
- 250°F (121°C) maximum operating temperature

Dimensions



Part Number Builder

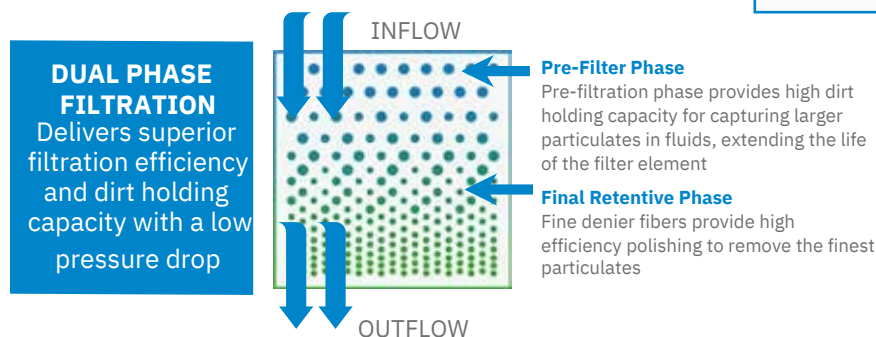
TTI PN	-	Length (inches)	-	Micron Rating (µm)	Media Type	Seal Type
TT33		7 = 6.43		1	(Omit) = Dual Phase Microglass Standard option β1000, available in 1, 3, 6, 10, 25µm	B = Buna
		10 = 10.02		3	SD = Static Dissipative Viton seals only, available in 1, 3, 6, 10, 25µm	V = Viton
		14 = 12.93		6	WA = Water Absorptive Available in 3, 6, 10, 25µm	
		26 = 25.63		10	*W = Stainless Steel Wire Mesh Only available in nominally rated 25, 74, 149µm	
				25		

PART NUMBER EXAMPLE: TT33-7-3V = TT33 (7 length, 3 micron, viton seal type)

TTSF33 Series

TTI's patented SmartMedia™ technology utilizes Dual Phase Microglass in parallel flow to increase dirt holding capacity and lower pressure drops.

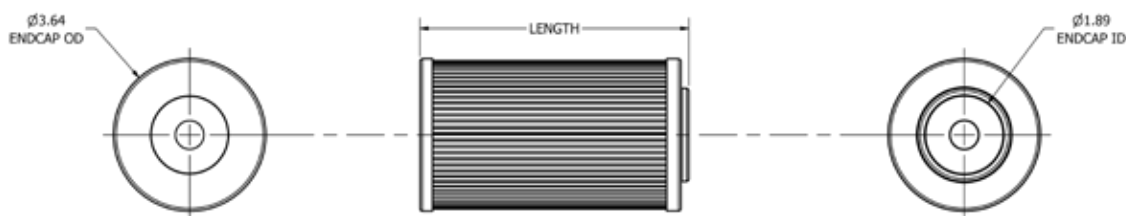
SmartMedia filters are Ideal for systems with cold start-ups and excel at fighting varying sizes of particulate contamination, high or fluctuating viscosity, and much more.



PERFORMANCE

- 2.35 PSID collapse pressure
- 50 PSID change out recommended
- 250°F (121°C) maximum operating temperature

Dimensions



Part Number Builder

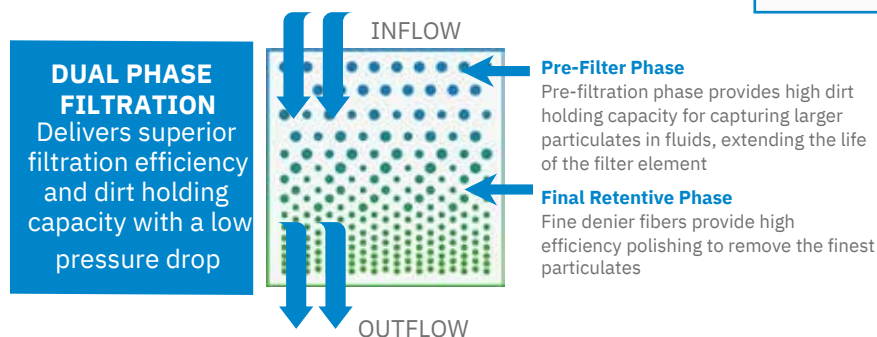
TTI PN	-	Length (inches)	-	Micron Rating (µm)	Media Type	Seal Type
TTSF33		7 = 6.43		1	(Omit) = Dual Phase Microglass <i>Standard option β1000, available in 1, 3, 6, 10, 25µm</i>	B = Buna
		10 = 10.02		3	WA = Water Absorptive <i>Available in 3, 6, 10, 25µm</i>	V = Viton
		14 = 12.93		6	SD = Static Dissipative <i>Viton seals only, available in 1, 3, 6, 10, 25µm</i>	
		26 = 25.63		10		
				25		

PART NUMBER EXAMPLE: TTSF33-7-3V = TTSF33 (7 length, 3 micron SmartFlow media, viton seal type)

TT33HC Series

TTI's PowerGuard™ filter line leverages our proprietary DuoGlass media and world-class product design to ensure unparalleled filtration performance.

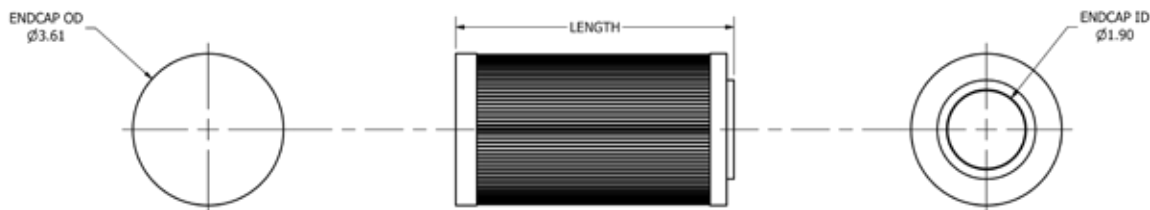
Manufactured in the USA and Germany, our Dual Phase Microglass technology provides Beta 1000 efficiencies with a built-in pre-filter layer to reduce initial pressure drops and extend the life of your filter elements.



PERFORMANCE

- 3000 PSID collapse pressure
- 50 PSID change out recommended
- 250°F (121°C) maximum operating temperature

Dimensions



Part Number Builder

TTI PN	-	Length (inches)	-	Micron Rating (µm)	Media Type	Seal Type
TT33HC		7 = 6.43		1	74*	B = Buna
		10 = 10.00		3	149*	V = Viton
		14 = 12.93		6		
		26 = 25.63		10		
				25		

(Omit) = Dual Phase Microglass
Standard option β1000, available in 1, 3, 6, 10, 25µm

SD = Static Dissipative
Viton seals only, available in 1, 3, 6, 10, 25µm

WA = Water Absorptive
Available in 3, 6, 10, 25µm

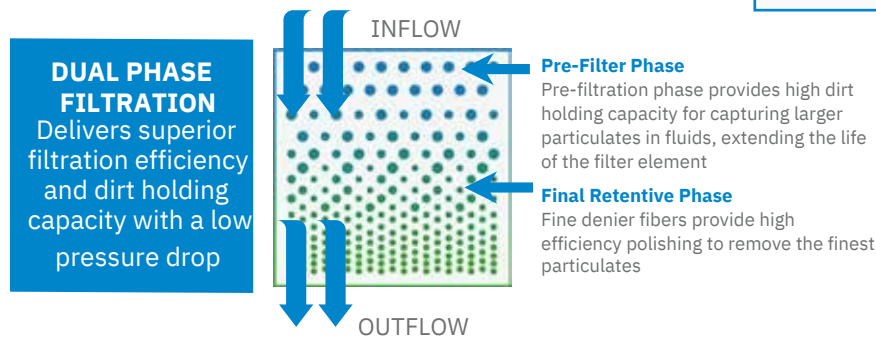
*W = Stainless Steel Wire Mesh
Only available in nominally rated 25, 74, 149µm

PART NUMBER EXAMPLE: TT33HC-7-3V = TT33HC (7 length, 3 micron, viton seal type)

TTSF33HC Series

TTI's patented SmartMedia™ technology utilizes Dual Phase Microglass in parallel flow to increase dirt holding capacity and lower pressure drops.

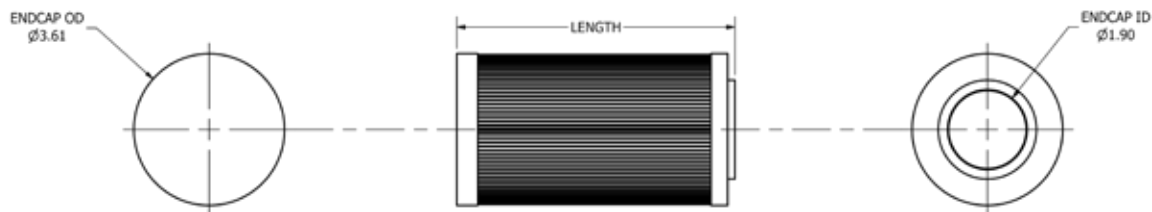
SmartMedia filters are Ideal for systems with cold start-ups and excel at fighting varying sizes of particulate contamination, high or fluctuating viscosity, and much more.



PERFORMANCE

- 3000 PSID collapse pressure
- 50 PSID change out recommended
- 250°F (121°C) maximum operating temperature

Dimensions



Part Number Builder

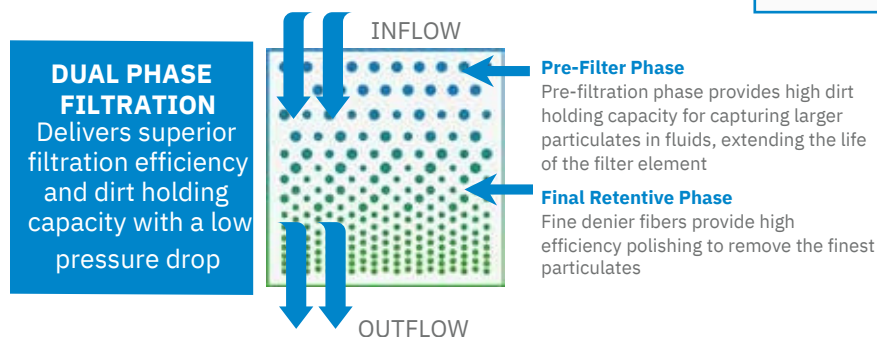
TTI PN	-	Length (inches)	-	Micron Rating (µm)	Media Type	Seal Type
TTSF33HC		7 = 6.43		1	(Omit) = Dual Phase Microglass Standard option β1000, available in 1, 3, 6, 10, 25µm	B = Buna
		10 = 10.00		3	WA = Water Absorptive Available in 3, 6, 10, 25µm	V = Viton
		14 = 12.93		6	SD = Static Dissipative Viton seals only, available in 1, 3, 6, 10, 25µm	
		26 = 25.63		10		
				25		

PART NUMBER EXAMPLE: TTSF33HC-7-3V = TTSF33HC (7 length, 3 micron SmartFlow media, viton seal type)

TT33R Series

TTI's PowerGuard™ filter line leverages our proprietary DuoGlass media and world-class product design to ensure unparalleled filtration performance.

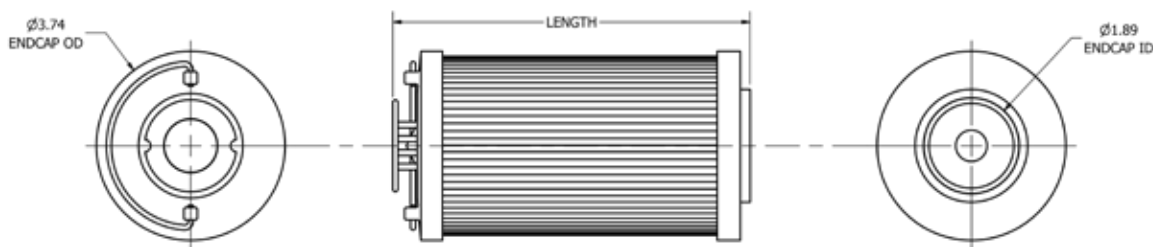
Manufactured in the USA and Germany, our Dual Phase Microglass technology provides Beta 1000 efficiencies with a built-in pre-filter layer to reduce initial pressure drops and extend the life of your filter elements.



PERFORMANCE

- 150 PSID collapse pressure
- 43.5 PSID integral bypass
- 43.5 PSID change out recommended
- 250°F (121°C) maximum operating temperature

Dimensions



Part Number Builder

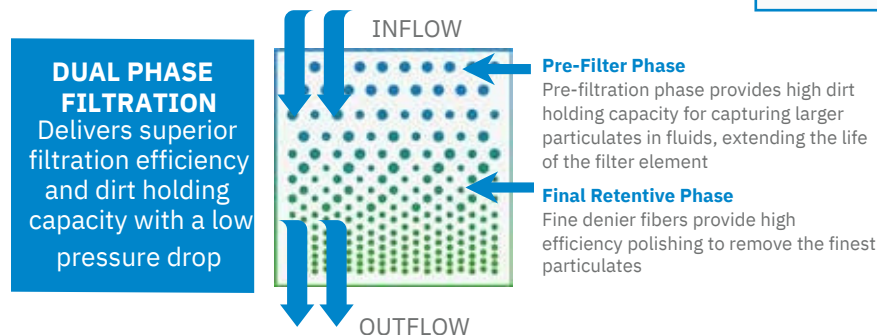
TTI PN	-	Length (inches)	-	Micron Rating (µm)	Media Type	Seal Type	-	Bypass
TT33R		8 = 7.70		1	74*	(Omit) = Dual Phase Microglass Standard option β1000, available in 1, 3, 6, 10, 25µm	B = Buna	(Omit) = 43 PSI Bypass* *Standard option
		10 = 10.80		3	149*	WA = Water Absorptive Available in 3, 6, 10, 25µm	V = Viton	XBP = No Bypass
				6		SD = Static Dissipative Viton seals only, available in 1, 3, 6, 10, 25µm		
				10		*W = Stainless Steel Wire Mesh Only available in nominally rated 25, 74, 149µm		
				25				

PART NUMBER EXAMPLE: TT33R-8-3V = TT33R (8 length, 3 micron, viton, with 43 PSI bypass)

TTSF33R Series

TTI's patented SmartMedia™ technology utilizes Dual Phase Microglass in parallel flow to increase dirt holding capacity and lower pressure drops.

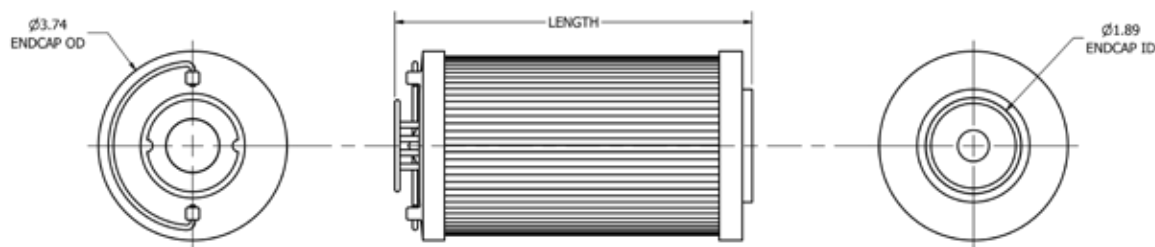
SmartMedia filters are Ideal for systems with cold start-ups and excel at fighting varying sizes of particulate contamination, high or fluctuating viscosity, and much more.



PERFORMANCE

- 150 PSID collapse pressure
- 43.5 PSID integral bypass
- 43.5 PSID change out recommended
- 250°F (121°C) maximum operating temperature

Dimensions



Part Number Builder

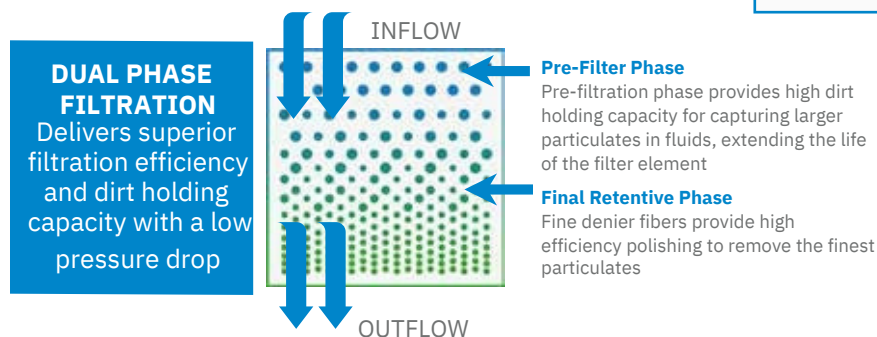
TTI PN	-	Length (inches)	-	Micron Rating (µm)	Media Type	Seal Type	-	Bypass
TTSF33R		8 = 7.70		1	(Omit) = Dual Phase Microglass <i>Standard option β1000, available in 1, 3, 6, 10, 25µm</i>	B = Buna		(Omit) = 43 PSI Bypass* <i>*Standard option</i>
		10 = 10.80		3	WA = Water Absorptive <i>Available in 3, 6, 10, 25µm</i>	V = Viton		XBP = No Bypass
				6	SD = Static Dissipative <i>Viton seals only, available in 1, 3, 6, 10, 25µm</i>			
				10				
				25				

PART NUMBER EXAMPLE: TTSF33R-8-3V = TTSF33R (8 length, 3 micron SmartFlow media, viton, with 43 PSI bypass)

TT52 Series

TTI's PowerGuard™ filter line leverages our proprietary DuoGlass media and world-class product design to ensure unparalleled filtration performance.

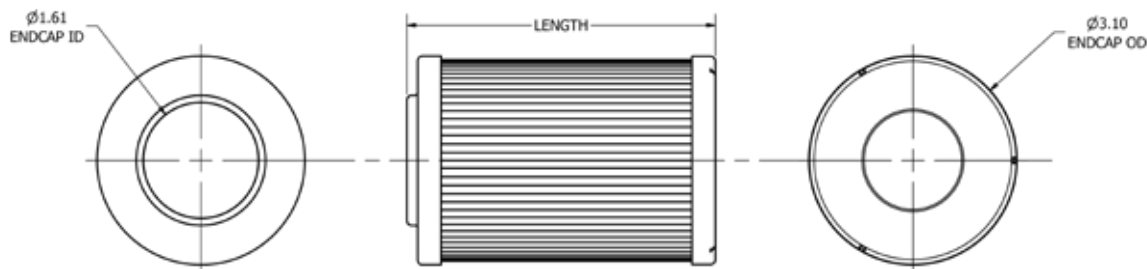
Manufactured in the USA and Germany, our Dual Phase Microglass technology provides Beta 1000 efficiencies with a built-in pre-filter layer to reduce initial pressure drops and extend the life of your filter elements.



PERFORMANCE

- 150 PSID collapse pressure
- 50 PSID change out recommended
- 250°F (121°C) maximum operating temperature

Dimensions



Part Number Builder

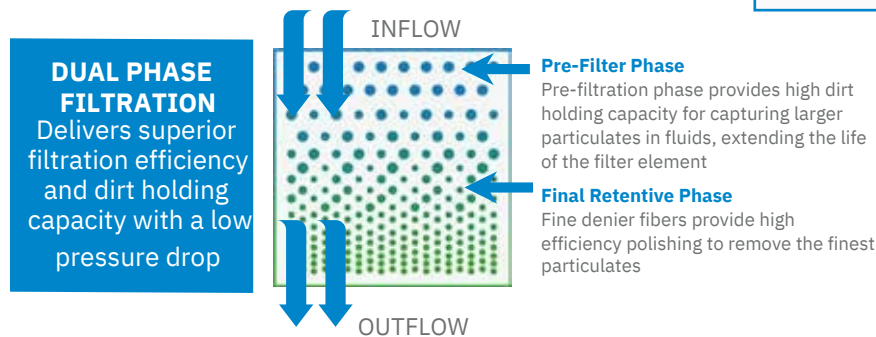
TTI PN	-	Length (inches)	-	Micron Rating (µm)	Media Type	Seal Type
TT52		6 = 6.30		1	(Omit) = Dual Phase Microglass <i>Standard option β1000, available in 1, 3, 6, 10, 25µm</i>	B = Buna
		10 = 9.84		3	SD = Static Dissipative <i>Viton seals only, available in 1, 3, 6, 10, 25µm</i>	V = Viton
		16 = 15.74		6	WA = Water Absorptive <i>Available in 3, 6, 10, 25µm</i>	
				10	*W = Stainless Steel Wire Mesh <i>Only available in nominally rated 25, 74, 149µm</i>	
				25		

PART NUMBER EXAMPLE: TT52-6-3V = TT52 (6 length, 3 micron, viton seal type)

TTSF52 Series

TTI's patented SmartMedia™ technology utilizes Dual Phase Microglass in parallel flow to increase dirt holding capacity and lower pressure drops.

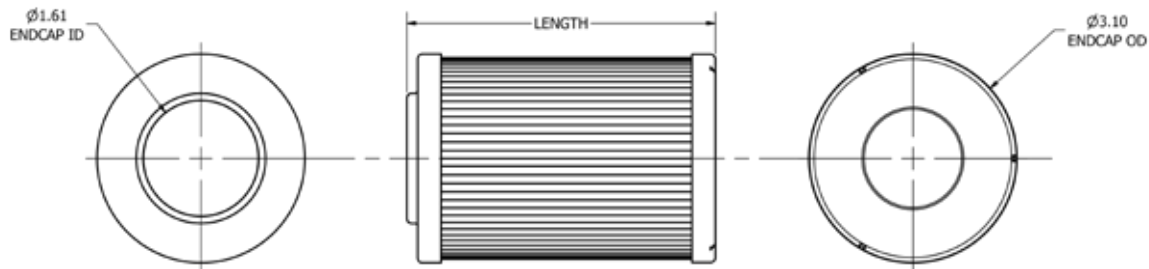
SmartMedia filters are Ideal for systems with cold start-ups and excel at fighting varying sizes of particulate contamination, high or fluctuating viscosity, and much more.



PERFORMANCE

- 150 PSID collapse pressure
- 50 PSID change out recommended
- 250°F (121°C) maximum operating temperature

Dimensions



Part Number Builder

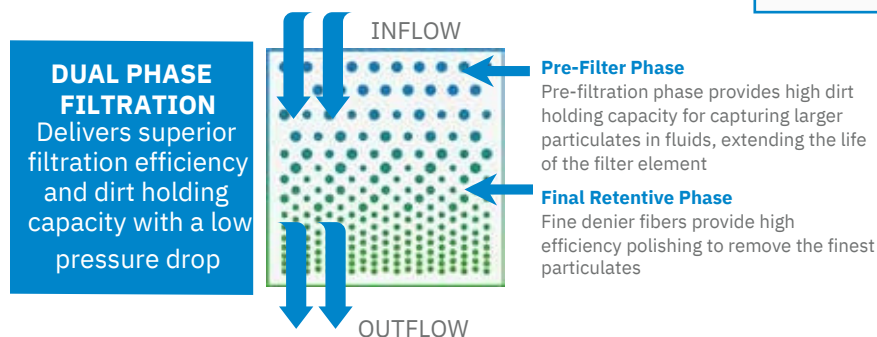
TTI PN	-	Length (inches)	-	Micron Rating (µm)	Media Type	Seal Type
TTSF52		6 = 6.30		1	(Omit) = Dual Phase Microglass <i>Standard option β1000, available in 1, 3, 6, 10, 25µm</i>	B = Buna
		10 = 9.84		3	WA = Water Absorptive <i>Available in 3, 6, 10, 25µm</i>	V = Viton
		16 = 15.74		6	SD = Static Dissipative <i>Viton seals only, available in 1, 3, 6, 10, 25µm</i>	
				10		
				25		

PART NUMBER EXAMPLE: TTSF52-6-3V = TTSF52 (6 length, 3 micron SmartFlow media, viton seal type)

TT66R Series

TTI's PowerGuard™ filter line leverages our proprietary DuoGlass media and world-class product design to ensure unparalleled filtration performance.

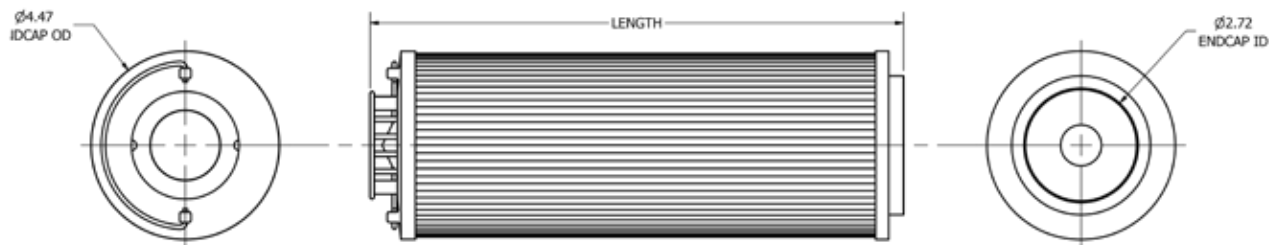
Manufactured in the USA and Germany, our Dual Phase Microglass technology provides Beta 1000 efficiencies with a built-in pre-filter layer to reduce initial pressure drops and extend the life of your filter elements.



PERFORMANCE

- 150 PSID collapse pressure
- 43.5 PSID integral bypass
- 43.5 PSID change out recommended
- 250°F (121°C) maximum operating temperature

Dimensions



Part Number Builder

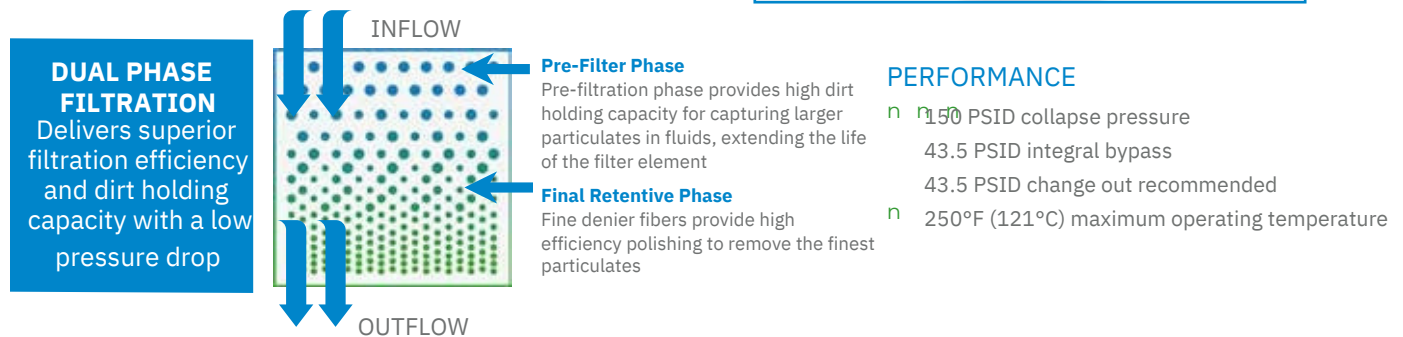
TTI PN	-	Length (inches)	-	Micron Rating (µm)	Media Type	Seal Type	-	Bypass
TT66R		14 = 13.09		1 74*	(Omit) = Dual Phase Microglass Standard option β1000, available in 1, 3, 6, 10, 25µm	B = Buna		(Omit) = 43 PSI Bypass* *Standard option
		18 = 16.26		3 149*	WA = Water Absorptive Available in 3, 6, 10, 25µm	V = Viton		XBP = No Bypass
		25 = 24.74		6	SD = Static Dissipative Viton seals only, available in 1, 3, 6, 10, 25µm			
		31 = 31.25		10	*W = Stainless Steel Wire Mesh Only available in nominally rated 25, 74, 149µm			
				25				

PART NUMBER EXAMPLE: TT66R-14-3V = TT66R (14 length, 3 micron, viton, with 43 PSI bypass)

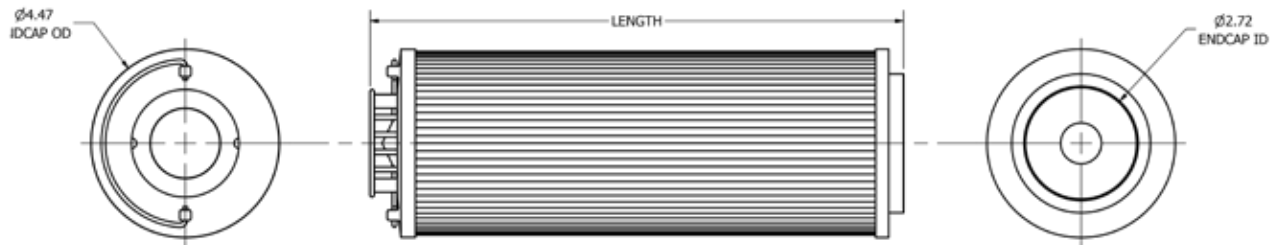
TTSF66R Series

TTI's patented SmartMedia™ technology utilizes Dual Phase Microglass in parallel flow to increase dirt holding capacity and lower pressure drops.

SmartMedia filters are Ideal for systems with cold start-ups and excel at fighting varying sizes of particulate contamination, high or fluctuating viscosity, and much more.



Dimensions



Part Number Builder

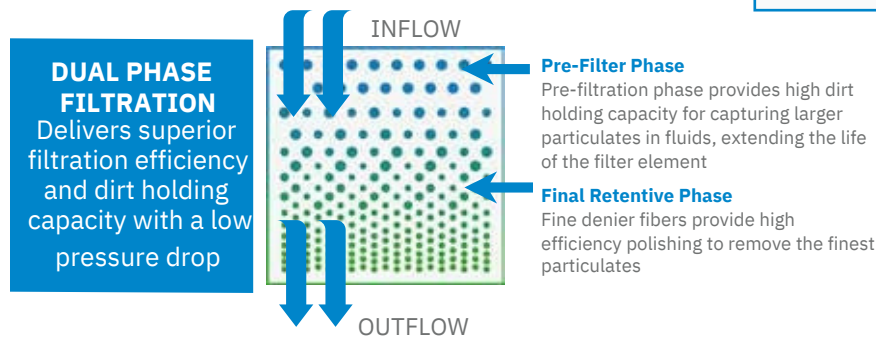
TTI PN	-	Length (inches)	-	Micron Rating (µm)	Media Type	Seal Type	-	Bypass
TTSF66R		14 = 13.09		1	(Omit) = Dual Phase Microglass <i>Standard option β1000, available in 1, 3, 6, 10, 25µm</i>	B = Buna		(Omit) = 43 PSI Bypass* <i>*Standard option</i>
		18 = 16.26		3	WA = Water Absorptive <i>Available in 3, 6, 10, 25µm</i>	V = Viton		XBP = No Bypass
		25 = 24.74		6	SD = Static Dissipative <i>Viton seals only, available in 1, 3, 6, 10, 25µm</i>			
		31 = 31.25		10				
				25				

PART NUMBER EXAMPLE: TTSF66R-14-3V = TTSF66R (14 length, 3 micron SmartFlow media, viton, with 43 PSI bypass)

TT95R Series

TTI's PowerGuard™ filter line leverages our proprietary DuoGlass media and world-class product design to ensure unparalleled filtration performance.

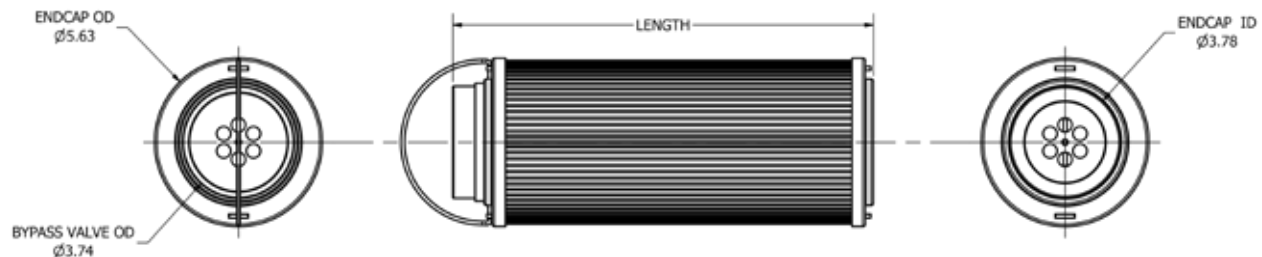
Manufactured in the USA and Germany, our Dual Phase Microglass technology provides Beta 1000 efficiencies with a built-in pre-filter layer to reduce initial pressure drops and extend the life of your filter elements.



PERFORMANCE

- 150 PSID collapse pressure
- 43.5 PSID integral bypass
- 43.5 PSID change out recommended
- 250°F (121°C) maximum operating temperature

Dimensions



Part Number Builder

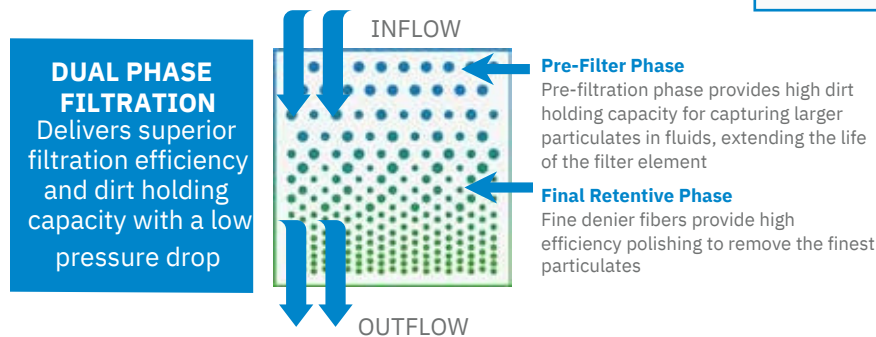
TTI PN	-	Length (inches)	-	Micron Rating (µm)	Media Type	Seal Type	-	Bypass
TT95R		14 = 14.13		1	74*	(Omit) = Dual Phase Microglass Standard option β1000, available in 1, 3, 6, 10, 25µm	B = Buna	(Omit) = 43 PSI Bypass* *Standard option
		18 = 18.99		3	149*	WA = Water Absorptive Available in 3, 6, 10, 25µm	V = Viton	XBP = No Bypass
		36 = 36.23		6		SD = Static Dissipative Viton seals only, available in 1, 3, 6, 10, 25µm		
				10		*W = Stainless Steel Wire Mesh Only available in nominally rated 25, 74, 149µm		
				25				

PART NUMBER EXAMPLE: TT95R-14-3V = TT95R (14 length, 3 micron, viton seal type, with 43 PSI bypass)

TTSF95R Series

TTI's patented SmartMedia™ technology utilizes Dual Phase Microglass in parallel flow to increase dirt holding capacity and lower pressure drops.

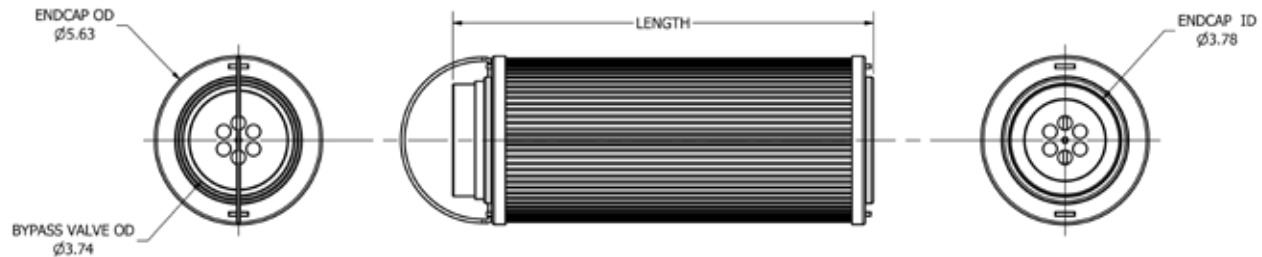
SmartMedia filters are Ideal for systems with cold start-ups and excel at fighting varying sizes of particulate contamination, high or fluctuating viscosity, and much more.



PERFORMANCE

- 150 PSID collapse pressure
- 43.5 PSID integral bypass
- 43.5 PSID change out recommended
- 250°F (121°C) maximum operating temperature

Dimensions



Part Number Builder

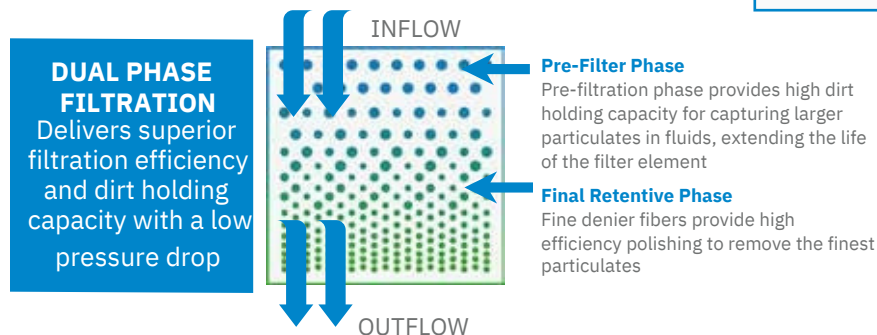
TTI PN	-	Length (inches)	-	Micron Rating (µm)	Media Type	Seal Type	-	Bypass
TTSF95R		14 = 14.13		1	(Omit) = Dual Phase Microglass <i>Standard option β1000, available in 1, 3, 6, 10, 25µm</i>	B = Buna		(Omit) = 43 PSI Bypass* <i>*Standard option</i>
		18 = 18.99		3	WA = Water Absorptive <i>Available in 3, 6, 10, 25µm</i>	V = Viton		XBP = No Bypass
		36 = 36.23		6	SD = Static Dissipative <i>Viton seals only, available in 1, 3, 6, 10, 25µm</i>			
				10				
				25				

PART NUMBER EXAMPLE: TTSF95R-14-3V = TTSF95R (14 length, 3 micron SmartFlow media, viton seal type, with 43 PSI bypass)

TT95R-WP Series

TTI's PowerGuard™ filter line leverages our proprietary DuoGlass media and world-class product design to ensure unparalleled filtration performance.

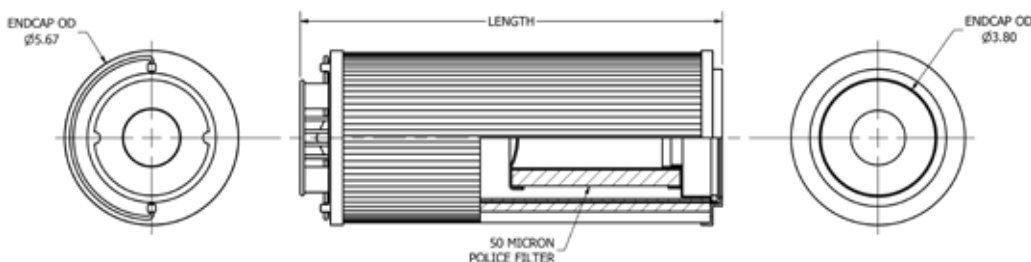
Manufactured in the USA and Germany, our Dual Phase Microglass technology provides Beta 1000 efficiencies with a built-in pre-filter layer to reduce initial pressure drops and extend the life of your filter elements.



PERFORMANCE

- 150 PSID collapse pressure
- 58 PSID integral bypass
- 58 PSID change out recommended
- 250°F (121°C) maximum operating temperature

Dimensions



Part Number Builder

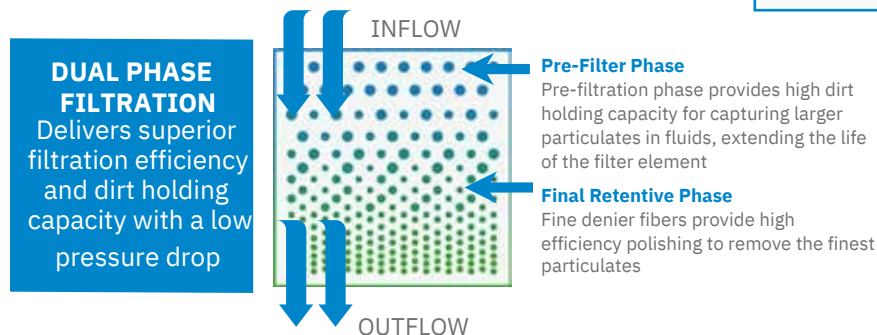
TTI PN	-	Length (inches)	-	Micron Rating (µm)	Media Type	Seal Type	-	WP
TT95R		18 = 18.99		1 25*	High Dirt Holding Capacity Dual Phase Microglass <i>Standard option β1000, available in 1, 3, 6, 10, 25µm</i>	B = Buna		WP50
		30 = 30.79		3 74*	WA = Water Absorptive <i>Available in 3, 6, 10, 25µm</i>	V = Viton		
		36 = 36.23		5 149*	SD = Static Dissipative <i>Viton seals only, available in 1, 3, 6, 10, 25µm</i>			
				10	*W = Stainless Steel Wire Mesh <i>Only available in nominally rated 25, 74, 149µm</i>			
				20				

PART NUMBER EXAMPLE: TT95R-18-3V-WP50 = TT95R (18 length, 3 micron, viton seal type, with integrated 50 micron wire mesh police filter element)

TTSF95R-WP Series

TTI's patented SmartMedia™ technology utilizes Dual Phase Microglass in parallel flow to increase dirt holding capacity and lower pressure drops.

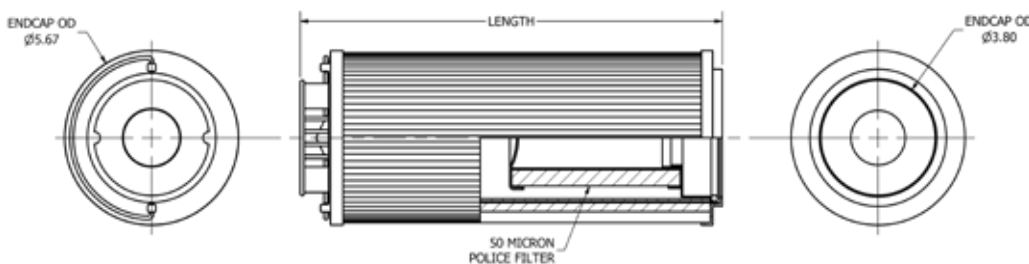
SmartMedia filters are Ideal for systems with cold start-ups and excel at fighting varying sizes of particulate contamination, high or fluctuating viscosity, and much more.



PERFORMANCE

- 150 PSID collapse pressure
- 58 PSID integral bypass
- 58 PSID change out recommended
- 250°F (121°C) maximum operating temperature

Dimensions



Part Number Builder

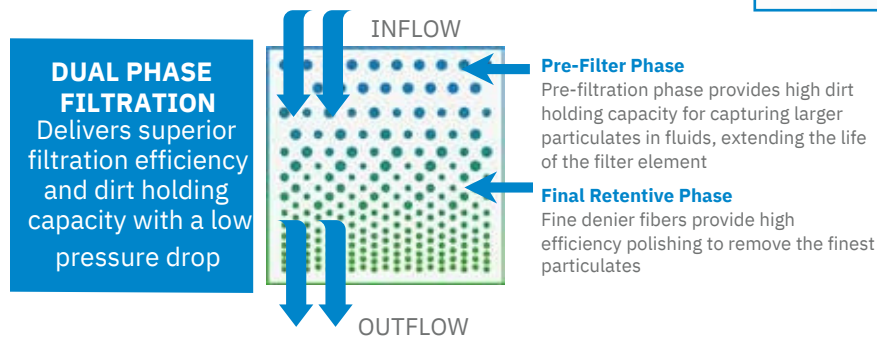
TTI PN TTSF95R	-	Length (inches)	-	Micron Rating (µm)	Media Type	Seal Type	-	WP
		18 = 18.99		1	High Dirt Holding Capacity Dual Phase Microglass <small>Standard option β1000, available in 1, 3, 6, 10, 25µm</small>	B = Buna		WP50
		30 = 30.79		3	WA = Water Absorptive <small>Available in 3, 6, 10, 25µm</small>	V = Viton		
		36 = 36.23		5	SD = Static Dissipative <small>Viton seals only, available in 1, 3, 6, 10, 25µm</small>			
				10				
				20				

PART NUMBER EXAMPLE: TTSF95R-18-3V-WP50 = TTSF95R (18 length, 3 micron SmartFlow media, viton seal type, with integrated 50 micron wire mesh police filter element)

TT106 Series

TTI's PowerGuard™ filter line leverages our proprietary DuoGlass media and world-class product design to ensure unparalleled filtration performance.

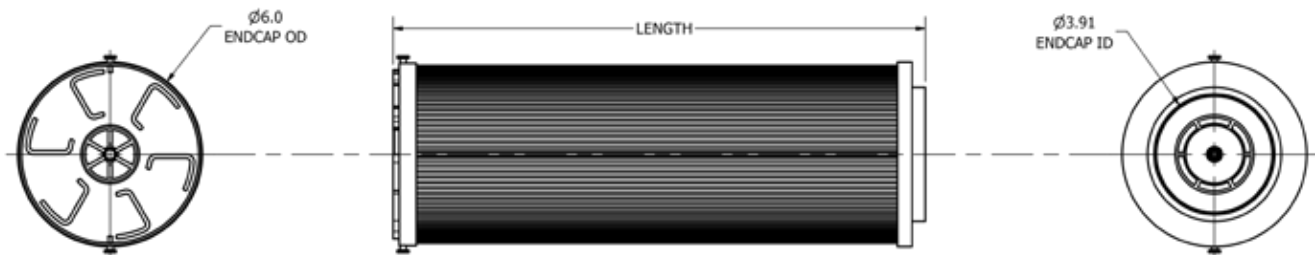
Manufactured in the USA and Germany, our Dual Phase Microglass technology provides Beta 1000 efficiencies with a built-in pre-filter layer to reduce initial pressure drops and extend the life of your filter elements.



PERFORMANCE

- Collapse pressure dependent on housing
- 25 PSID Integral bypass
- 25 PSID change out recommended
- 250°F (121°C) maximum operating temperature

Dimensions



Part Number Builder

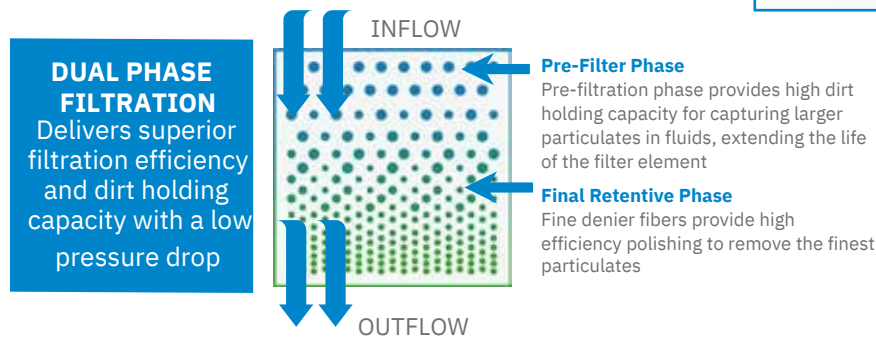
TTI PN	-	Length (inches)	-	Micron Rating (µm)	Media Type	Seal Type
TT106		10 = 10.07		1	(Omit) = Dual Phase Microglass <i>Standard option β1000, available in 1, 3, 6, 10, 25µm</i>	B = Buna
		16 = 14.64		3	SD = Static Dissipative <i>Viton seals only, available in 1, 3, 6, 10, 25µm</i>	V = Viton
		18 = 17.30		6	WA = Water Absorptive <i>Available in 3, 6, 10, 25µm</i>	
		36 = 35.60		10	*W = Stainless Steel Wire Mesh <i>Only available in nominally rated 25, 74, 149µm</i>	
				25		

PART NUMBER EXAMPLE: TT106-36-3V = TT106 (36 length, 3 micron, viton seal type)

TTSF106 Series

TTI's patented SmartMedia™ technology utilizes Dual Phase Microglass in parallel flow to increase dirt holding capacity and lower pressure drops.

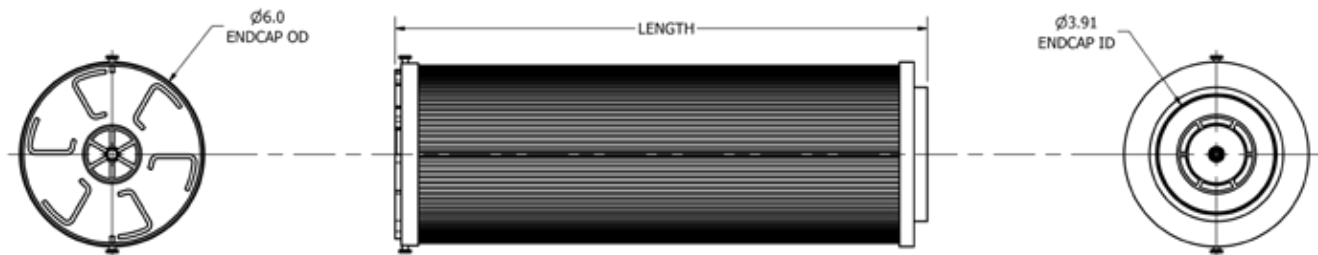
SmartMedia filters are Ideal for systems with cold start-ups and excel at fighting varying sizes of particulate contamination, high or fluctuating viscosity, and much more.



PERFORMANCE

- Collapse pressure dependent on housing
- 25 PSID Integral bypass
- 25 PSID change out recommended
- 250°F (121°C) maximum operating temperature

Dimensions



Part Number Builder

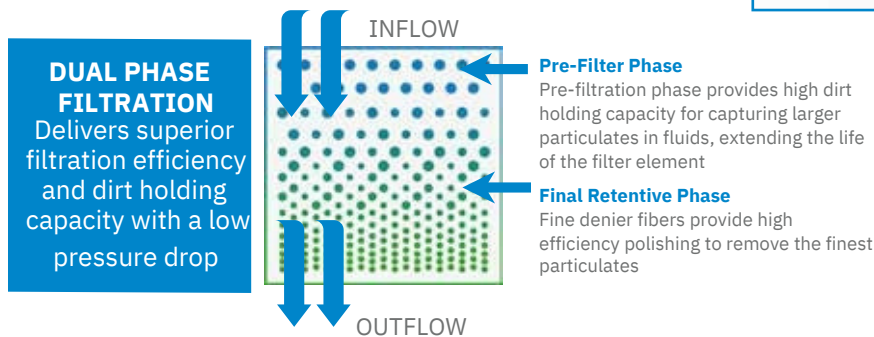
TTI PN TTSF106	-	Length (inches)	-	Micron Rating (µm)	Media Type	Seal Type
		10 = 10.07		1	(Omit) = Dual Phase Microglass <i>Standard option β1000, available in 1, 3, 6, 10, 25µm</i>	B = Buna
		16 = 14.64		3	WA = Water Absorptive <i>Available in 3, 6, 10, 25µm</i>	V = Viton
		18 = 17.30		6	SD = Static Dissipative <i>Viton seals only, available in 1, 3, 6, 10, 25µm</i>	
		36 = 35.60		10		
				25		

PART NUMBER EXAMPLE: TSFT106-36-3V = TTSF106 (36 length, 3 micron SmartFlow media, viton seal type)

TT107 Series

TTI's PowerGuard™ filter line leverages our proprietary DuoGlass media and world-class product design to ensure unparalleled filtration performance.

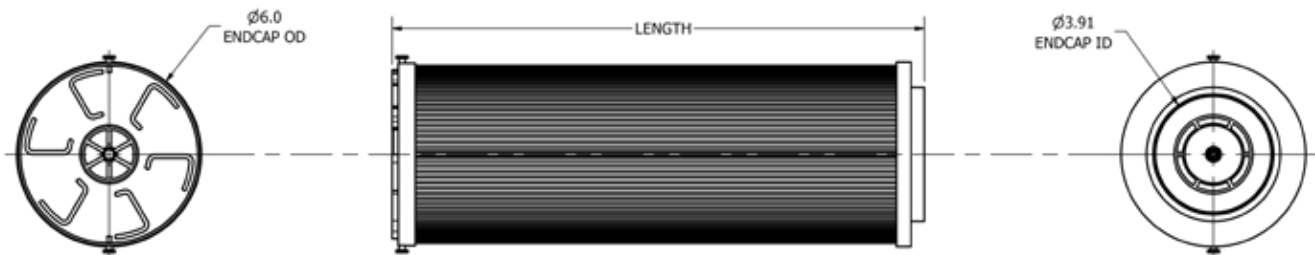
Manufactured in the USA and Germany, our Dual Phase Microglass technology provides Beta 1000 efficiencies with a built-in pre-filter layer to reduce initial pressure drops and extend the life of your filter elements.



PERFORMANCE

- Collapse pressure dependent on housing
- 50 PSID integral bypass
- 50 PSID recommended change out
- 250°F (121°C) maximum operating temperature

Dimensions



Part Number Builder

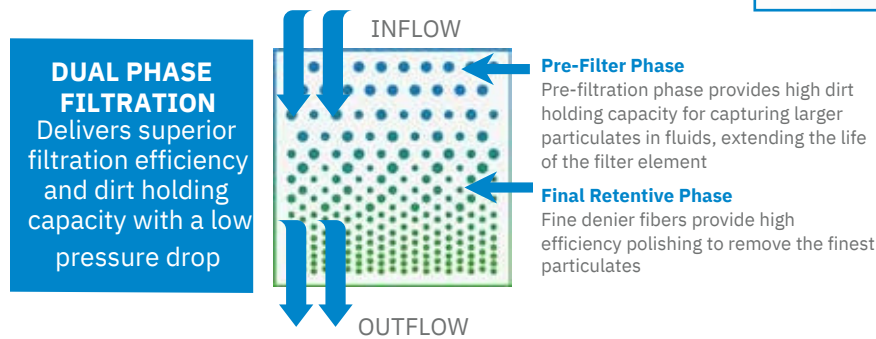
TTI PN	-	Length (inches)	-	Micron Rating (µm)	Media Type	Seal Type
TT107		10 = 10.07		1	(Omit) = Dual Phase Microglass <i>Standard option β1000, available in 1, 3, 6, 10, 25µm</i>	B = Buna
		16 = 14.64		3	SD = Static Dissipative <i>Viton seals only, available in 1, 3, 6, 10, 25µm</i>	V = Viton
		18 = 17.30		6	WA = Water Absorptive <i>Available in 3, 6, 10, 25µm</i>	
		36 = 35.60		10	*W = Stainless Steel Wire Mesh <i>Only available in nominally rated 25, 74, 149µm</i>	
				25		

PART NUMBER EXAMPLE: TT107-36-3V = TT107 (36 length, 3 micron, viton seal type)

TTSF107 Series

TTI's patented SmartMedia™ technology utilizes Dual Phase Microglass in parallel flow to increase dirt holding capacity and lower pressure drops.

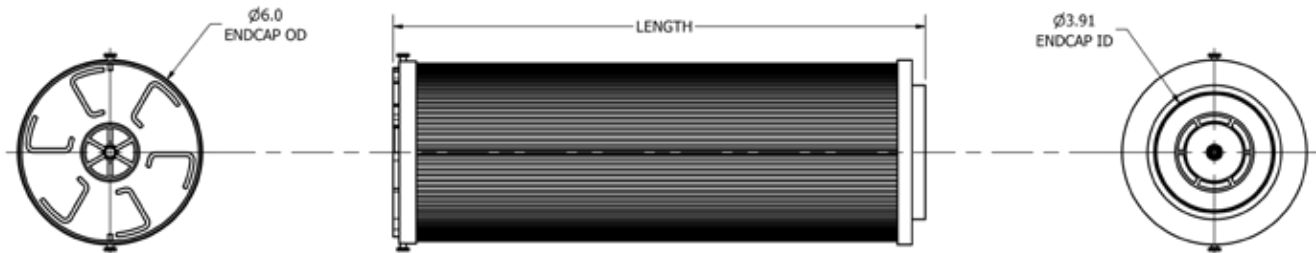
SmartMedia filters are Ideal for systems with cold start-ups and excel at fighting varying sizes of particulate contamination, high or fluctuating viscosity, and much more.



PERFORMANCE

- Collapse pressure dependent on housing
- 50 PSID integral bypass
- 50 PSID recommended change out
- 250°F (121°C) maximum operating temperature

Dimensions



Part Number Builder

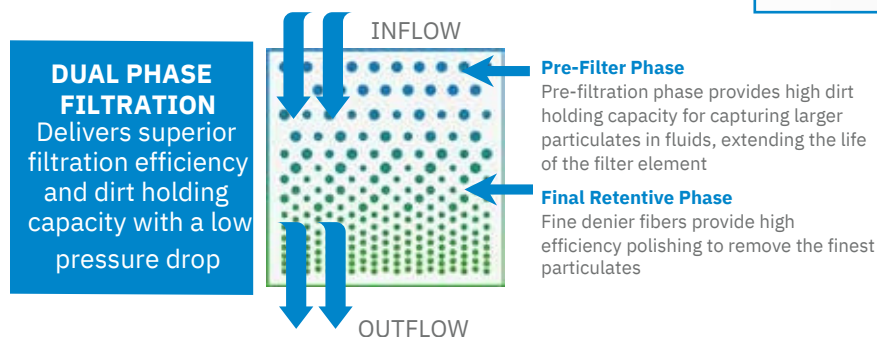
TTI PN	-	Length (inches)	-	Micron Rating (µm)	Media Type	Seal Type
TTSF107		10 = 10.07		1	(Omit) = Dual Phase Microglass <i>Standard option β1000, available in 1, 3, 6, 10, 25µm</i>	B = Buna
		16 = 14.64		3	WA = Water Absorptive <i>Available in 3, 6, 10, 25µm</i>	V = Viton
		18 = 17.30		6	SD = Static Dissipative <i>Viton seals only, available in 1, 3, 6, 10, 25µm</i>	
		36 = 35.60		10		
				25		

PART NUMBER EXAMPLE: TTSF107-36-3V = TTSF107 (36 length, 3 micron SmartFlow media, viton seal type)

TT108 Series

TTI's PowerGuard™ filter line leverages our proprietary DuoGlass media and world-class product design to ensure unparalleled filtration performance.

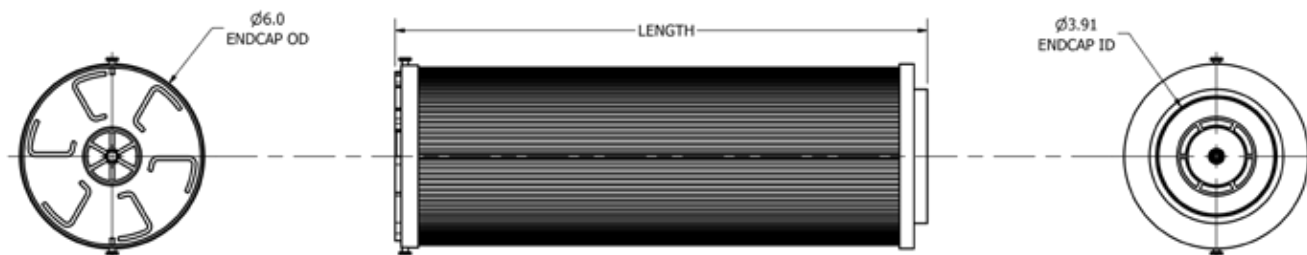
Manufactured in the USA and Germany, our Dual Phase Microglass technology provides Beta 1000 efficiencies with a built-in pre-filter layer to reduce initial pressure drops and extend the life of your filter elements.



PERFORMANCE

- Collapse pressure dependent on housing
- 50 PSID change out recommended
- 250°F (121°C) maximum operating temperature

Dimensions



Part Number Builder

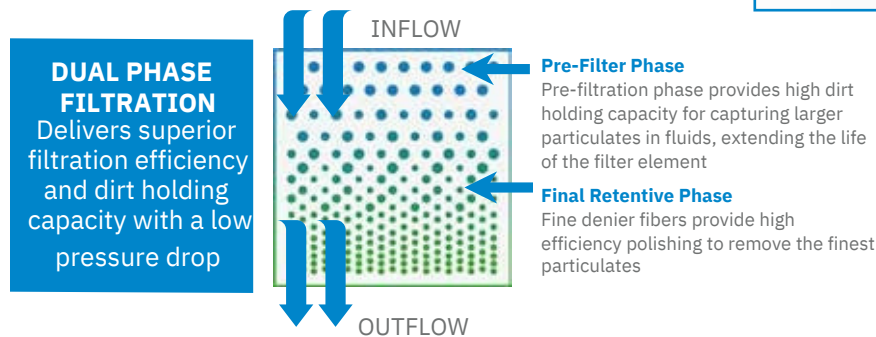
TTI PN	-	Length (inches)	-	Micron Rating (µm)	Media Type	Seal Type
TT108		10 = 10.07		1	(Omit) = Dual Phase Microglass <i>Standard option β1000, available in 1, 3, 6, 10, 25µm</i>	B = Buna
		16 = 14.64		3	SD = Static Dissipative <i>Viton seals only, available in 1, 3, 6, 10, 25µm</i>	V = Viton
		18 = 17.30		6	WA = Water Absorptive <i>Available in 3, 6, 10, 25µm</i>	
		36 = 35.60		10	*W = Stainless Steel Wire Mesh <i>Only available in nominally rated 25, 74, 149µm</i>	
				25		

PART NUMBER EXAMPLE: TT108-36-3V = TT108 (36 length, 3 micron, viton seal type)

TTSF108 Series

TTI's patented SmartMedia™ technology utilizes Dual Phase Microglass in parallel flow to increase dirt holding capacity and lower pressure drops.

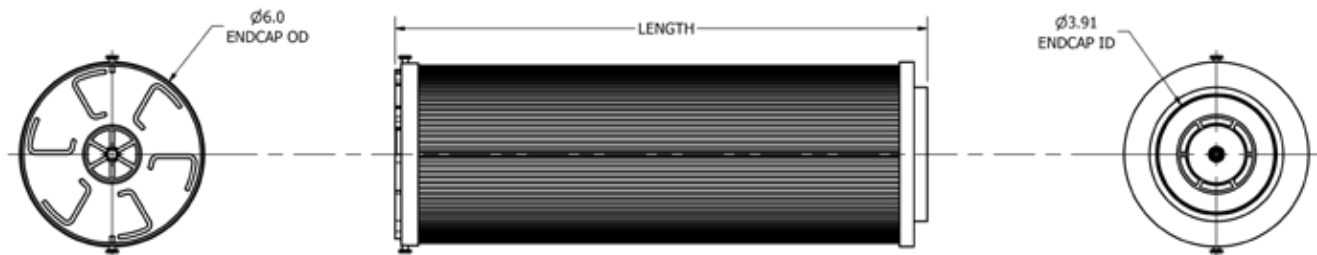
SmartMedia filters are Ideal for systems with cold start-ups and excel at fighting varying sizes of particulate contamination, high or fluctuating viscosity, and much more.



PERFORMANCE

- Collapse pressure dependent on housing
- 50 PSID change out recommended
- 250°F (121°C) maximum operating temperature

Dimensions



Part Number Builder

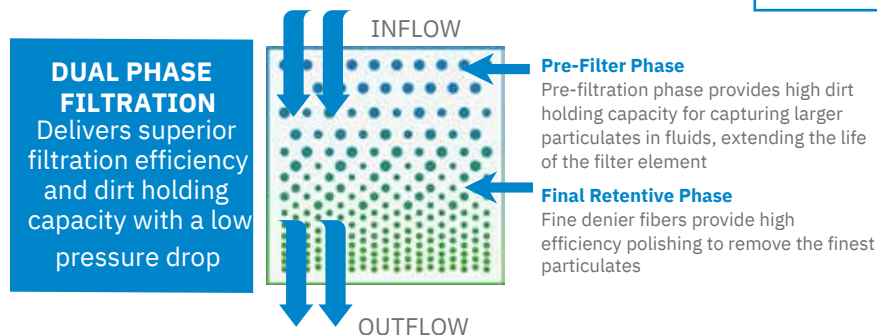
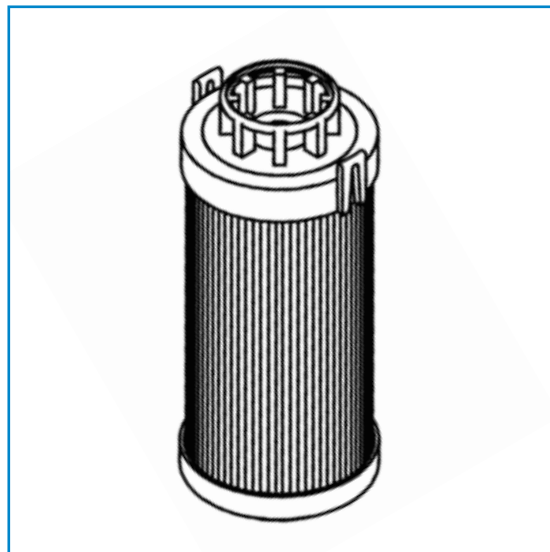
TTI PN TTSF108	-	Length (inches)	-	Micron Rating (µm)	Media Type	Seal Type
		10 = 10.07		1	(Omit) = Dual Phase Microglass <i>Standard option β1000, available in 1, 3, 6, 10, 25µm</i>	B = Buna
		16 = 14.64		3	WA = Water Absorptive <i>Available in 3, 6, 10, 25µm</i>	V = Viton
		18 = 17.30		6	SD = Static Dissipative <i>Viton seals only, available in 1, 3, 6, 10, 25µm</i>	
		36 = 35.60		10		
				25		

PART NUMBER EXAMPLE: TTSF108-36-3V = TTSF108 (36 length, 3 micron SmartFlow media, viton seal type)

TT165R Series

TTI's PowerGuard™ filter line leverages our proprietary DuoGlass media and world-class product design to ensure unparalleled filtration performance.

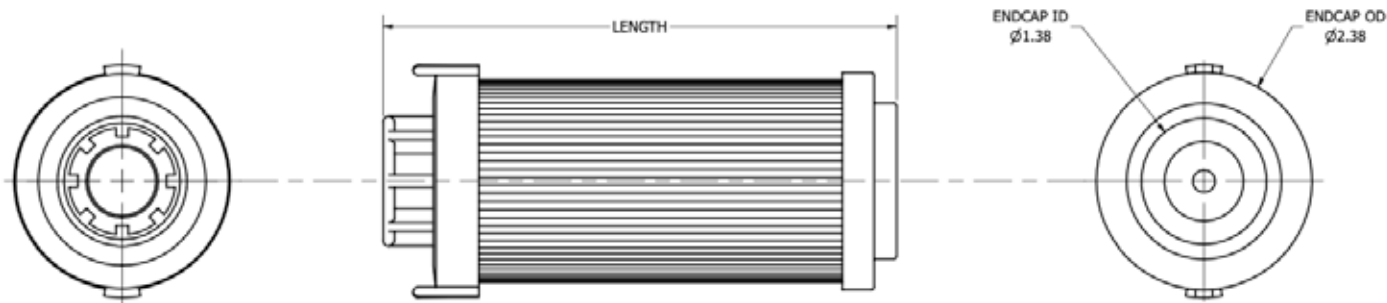
Manufactured in the USA and Germany, our Dual Phase Microglass technology provides Beta 1000 efficiencies with a built-in pre-filter layer to reduce initial pressure drops and extend the life of your filter elements.



PERFORMANCE

- 290 PSID collapse pressure
- 50 PSID change out recommended
- 250°F (121°C) maximum operating temperature

Dimensions



Part Number Builder

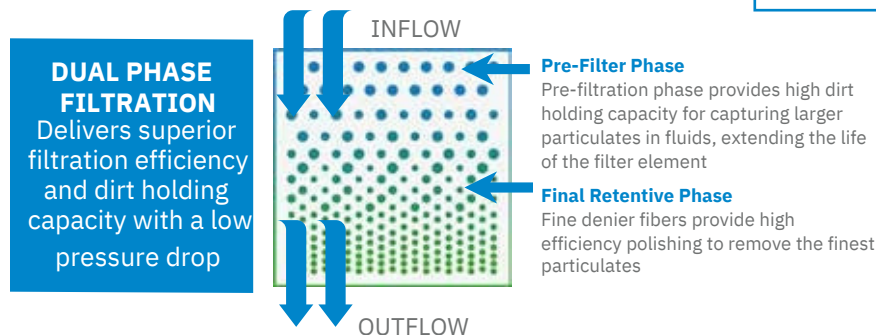
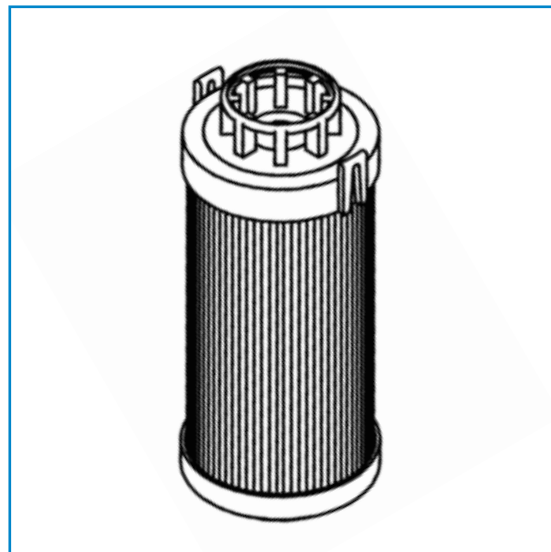
TTI PN	-	Length (inches)	-	Micron Rating (µm)	Media Type	Seal Type
TT165R		5 = 5.66"		1	(Omit) = Dual Phase Microglass Standard option β1000, available in 1, 3, 6, 10, 25µm	B = Buna
		9 = 8.57"		3		V = Viton
		11 = 11.59"		6		
				10		
				25		

PART NUMBER EXAMPLE: TT165R-9-3V = TT165R (9 length, 3 micron, viton seal type)

TTSF165R Series

TTI's patented SmartMedia™ technology utilizes Dual Phase Microglass in parallel flow to increase dirt holding capacity and lower pressure drops.

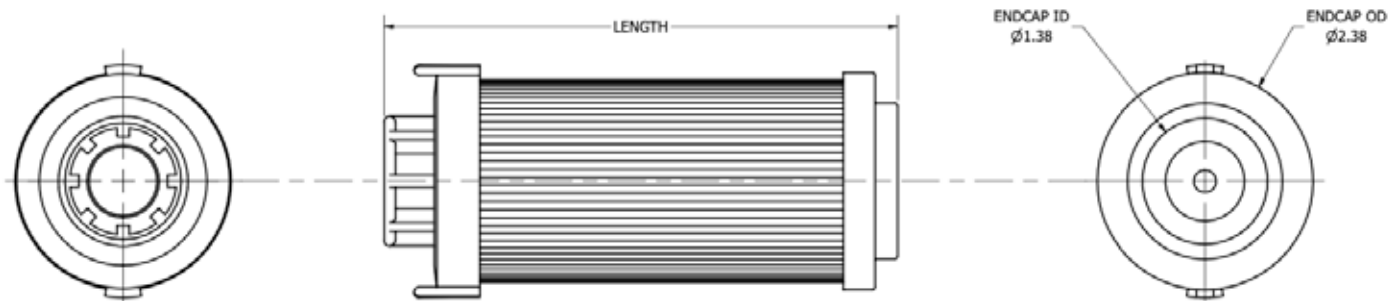
SmartMedia filters are Ideal for systems with cold start-ups and excel at fighting varying sizes of particulate contamination, high or fluctuating viscosity, and much more.



PERFORMANCE

- 290 PSID collapse pressure
- 50 PSID change out recommended
- 250°F (121°C) maximum operating temperature

Dimensions



Part Number Builder

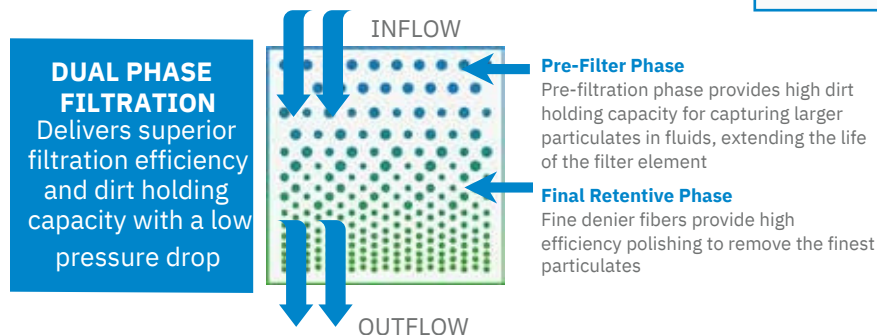
TTI PN TTSF165R	-	Length (inches)	-	Micron Rating (µm)	Media Type	Seal Type
		5 = 5.66"		1	(Omit) = Dual Phase Microglass Standard option β1000, available in 1, 3, 6, 10, 25µm	B = Buna
		9 = 8.57"		3		V = Viton
		11 = 11.59"		6		
				10		
				25		

PART NUMBER EXAMPLE: TTSF165R-9-3V = TTSF165R (9 length, 3 micron, viton seal type)

TT170 Series

TTI's PowerGuard™ filter line leverages our proprietary DuoGlass media and world-class product design to ensure unparalleled filtration performance.

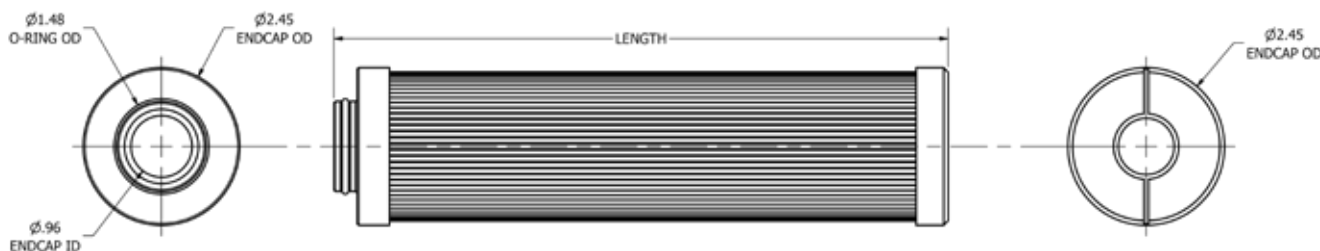
Manufactured in the USA and Germany, our Dual Phase Microglass technology provides Beta 1000 efficiencies with a built-in pre-filter layer to reduce initial pressure drops and extend the life of your filter elements.



PERFORMANCE

- 290 PSID collapse pressure
- 50 PSID change out recommended
- 250°F (121°C) maximum operating temperature

Dimensions



Part Number Builder

TTI PN	-	Length (inches)	-	Micron Rating (µm)		Media Type	Seal Type
TT170		5 = 5.35		1	74*	(Omit) = Dual Phase Microglass <i>Standard option β1000, available in 1, 3, 6, 10, 25µm</i>	B = Buna
		10 = 9.62		3	149*	SD = Static Dissipative <i>Viton seals only, available in 1, 3, 6, 10, 25µm</i>	V = Viton
				6		WA = Water Absorptive <i>Available in 3, 6, 10, 25µm</i>	
				10		*W = Stainless Steel Wire Mesh <i>Only available in nominally rated 25, 74, 149µm</i>	
				25			

PART NUMBER EXAMPLE: TT170-5-3V = TT170 (5 length, 3 micron, viton seal type)