



TTI

Service Quality Innovation

Wind Power Filtration Solutions



The Importance of Wind Turbine Filtration

The top priority for any wind energy manufacturer or operator is maintaining the efficiency and longevity of your turbines. Built in remote locations, often in harsh environments with sporadic access to maintenance, wind turbines have a high likelihood of breakdowns or expensive replacements.

Protect your investments with filters and desiccant breathers that shield the gearboxes and system components of your wind turbines from abrasive contaminants that accelerate wear and tear.

Prioritizing proper filtration is a practical and effective strategy for optimizing both the financial and operational aspects of wind power generation. By proactively removing particles, moisture and contaminants, you prevent damage to critical components, reduce downtime, mitigate maintenance expenses, and ultimately lower costs. A well-maintained system also consumes less energy, further reducing your carbon footprint and contributing to a cleaner, greener energy landscape.

TTI's Commitment to Renewable Excellence



Superior Performance

Our proprietary Dual Phase Microglass media and optimized silica gel provide 20% more protection from moisture and harmful contaminants to keep your turbines running smoothly in any conditions.



Fastest Lead Times

All TTI filter elements and desiccant breathers ship in 10 days or less rather than weeks or months, ensuring you always have access to preventative maintenance no matter your timeframe.



Longer Service Life

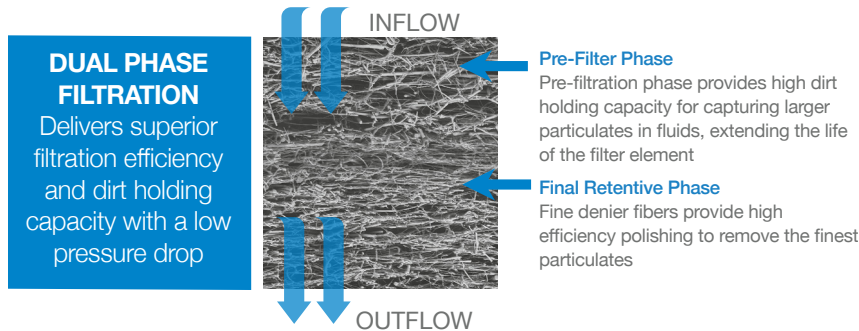
Industry-leading build quality, moisture retention, and dirt holding capacity ensure 20% longer service life, keeping your wind power systems running at peak efficiency for longer.



TT95R-WP Series

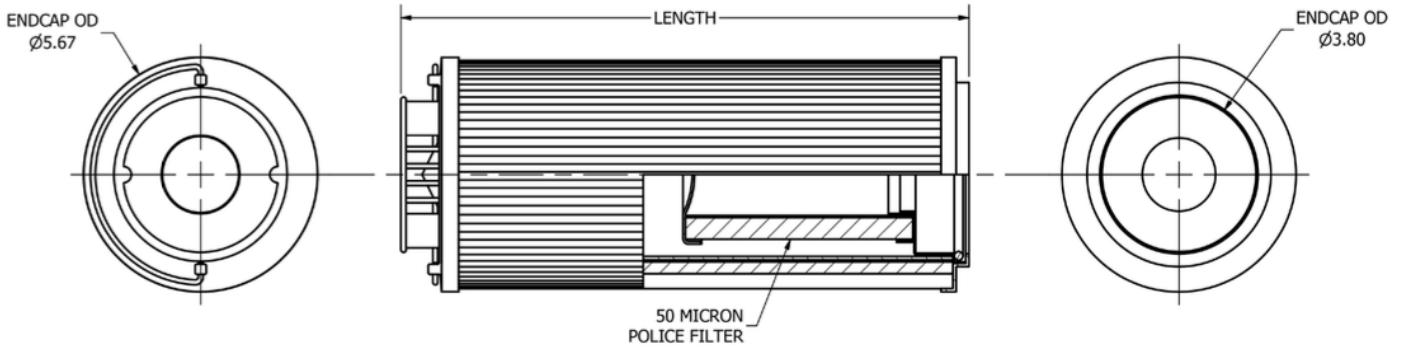
All TTI PowerGuard™ filters are produced in the USA or Germany and hand-checked to ensure world-class filtration performance.

We combine our proprietary Dual Phase Microglass media with industry-leading build quality to provide Beta 1000 efficiencies, extended filter life, and reduced initial pressure drops.



PERFORMANCE

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



TTI PN	-	Length (inches)	-	Micron Rating B1000	Media Type	Seal Type	-	WP
TT95R		18 = 18.99		1	*High Dirt Holding Capacity Dual Phase Microglass* *Standard option	B = Buna		WP50
		30 = 30.79		3		V = Viton		
		36 = 36.23		5				
				10				
				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)

TT95R-WP Series Hydac® Crosses

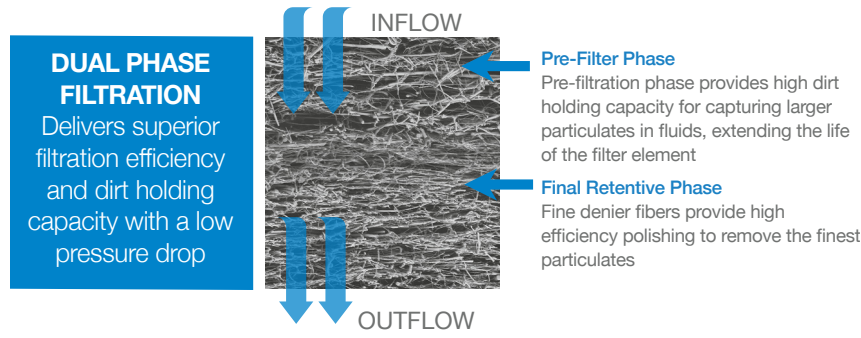
Hydac® Part Number	TTI Part Number
1300R001BN4HC/B4-KE50	TT95R-18-1B-WP50
1300R003BN4HC/B4-KE50	TT95R-18-3B-WP50
1300R005BN4HC/B4-KE50	TT95R-18-5B-WP50
1300R010BN4HC/B4-KE50	TT95R-18-10B-WP50
1300R020BN4HC/B4-KE50	TT95R-18-20B-WP50
1300R001BN4HX/B4-KE50	TT95R-18-1B-WP50
1300R003BN4HX/B4-KE50	TT95R-18-3B-WP50
1300R005BN4HX/B4-KE50	TT95R-18-5B-WP50
1300R010BN4HX/B4-KE50	TT95R-18-10B-WP50
1300R020BN4HX/B4-KE50	TT95R-18-20B-WP50
2200R001BN4HC/B4-KE50	TT95R-30-1B-WP50
2200R003BN4HC/B4-KE50	TT95R-30-3B-WP50
2200R005BN4HC/B4-KE50	TT95R-30-5B-WP50
2200R010BN4HC/B4-KE50	TT95R-30-10B-WP50
2200R020BN4HC/B4-KE50	TT95R-30-20B-WP50
2200R001BN4HX/B4-KE50	TT95R-30-1B-WP50
2200R003BN4HX/B4-KE50	TT95R-30-3B-WP50
2200R005BN4HX/B4-KE50	TT95R-30-5B-WP50
2200R010BN4HX/B4-KE50	TT95R-30-10B-WP50
2200R020BN4HX/B4-KE50	TT95R-30-20B-WP50
2600R001BN4HC/B4-KE50	TT95R-36-1B-WP50
2600R003BN4HC/B4-KE50	TT95R-36-3B-WP50
2600R005BN4HC/B4-KE50	TT95R-36-5B-WP50
2600R010BN4HC/B4-KE50	TT95R-36-10B-WP50
2600R020BN4HC/B4-KE50	TT95R-36-20B-WP50
2600R001BN4HX/B4-KE50	TT95R-36-1B-WP50
2600R003BN4HX/B4-KE50	TT95R-36-3B-WP50
2600R005BN4HX/B4-KE50	TT95R-36-5B-WP50
2600R010BN4HX/B4-KE50	TT95R-36-10B-WP50
2600R020BN4HX/B4-KE50	TT95R-36-20B-WP50
1300R001BN4HC/-V-B4-KE50	TT95R-18-1V-WP50
1300R003BN4HC/-V-B4-KE50	TT95R-18-3V-WP50
1300R005BN4HC/-V-B4-KE50	TT95R-18-5V-WP50
1300R010BN4HC/-V-B4-KE50	TT95R-18-10V-WP50
1300R020BN4HC/-V-B4-KE50	TT95R-18-20V-WP50
1300R001BN4HX/-V-B4-KE50	TT95R-18-1V-WP50
1300R003BN4HX/-V-B4-KE50	TT95R-18-3V-WP50
1300R005BN4HX/-V-B4-KE50	TT95R-18-5V-WP50
1300R010BN4HX/-V-B4-KE50	TT95R-18-10V-WP50
1300R020BN4HX/-V-B4-KE50	TT95R-18-20V-WP50

Hydac® Part Number	TTI Part Number
2200R001BN4HC/-V-B4-KE50	TT95R-30-1V-WP50
2200R003BN4HC/-V-B4-KE50	TT95R-30-3V-WP50
2200R005BN4HC/-V-B4-KE50	TT95R-30-5V-WP50
2200R010BN4HC/-V-B4-KE50	TT95R-30-10V-WP50
2200R020BN4HC/-V-B4-KE50	TT95R-30-20V-WP50
2200R001BN4HX/-V-B4-KE50	TT95R-30-1V-WP50
2200R003BN4HX/-V-B4-KE50	TT95R-30-3V-WP50
2200R005BN4HX/-V-B4-KE50	TT95R-30-5V-WP50
2200R010BN4HX/-V-B4-KE50	TT95R-30-10V-WP50
2200R020BN4HX/-V-B4-KE50	TT95R-30-20V-WP50
2600R001BN4HC/-V-B4-KE50	TT95R-36-1V-WP50
2600R003BN4HC/-V-B4-KE50	TT95R-36-3V-WP50
2600R005BN4HC/-V-B4-KE50	TT95R-36-5V-WP50
2600R010BN4HC/-V-B4-KE50	TT95R-36-10V-WP50
2600R020BN4HC/-V-B4-KE50	TT95R-36-20V-WP50
2600R001BN4HX/-V-B4-KE50	TT95R-36-1V-WP50
2600R003BN4HX/-V-B4-KE50	TT95R-36-3V-WP50
2600R005BN4HX/-V-B4-KE50	TT95R-36-5V-WP50
2600R010BN4HX/-V-B4-KE50	TT95R-36-10V-WP50
2600R020BN4HX/-V-B4-KE50	TT95R-36-20V-WP50

TT03 Series

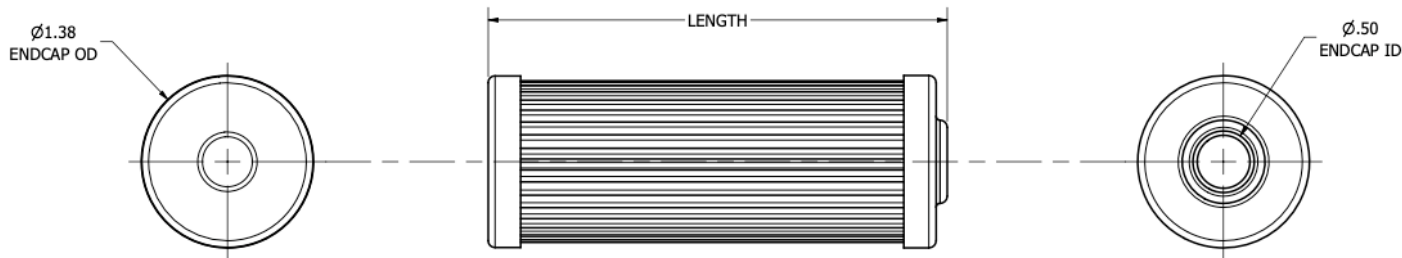
All TTI PowerGuard™ filters are produced in the USA or Germany and hand-checked to ensure world-class filtration performance.

We combine our proprietary Dual Phase Microglass media with industry-leading build quality to provide Beta 1000 efficiencies, extended filter life, and reduced initial pressure drops.



PERFORMANCE

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



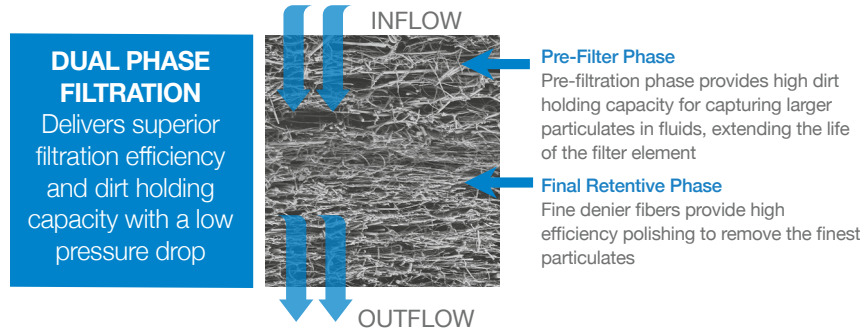
TTI PN	-	Length (inches)	-	Micron Rating B1000	Media Type	Seal Type
TT03		2 = 2.35"		1	*High Dirt Holding Capacity Dual Phase Microglass* <i>*Standard option</i>	B = Buna
		4 = 3.65"		3		V = Viton
				6		
				10		
				25		

PART NUMBER EXAMPLE: TT03-4-3V = TT03 (4 length, 3 micron, viton seal type)

TTCF20 Series

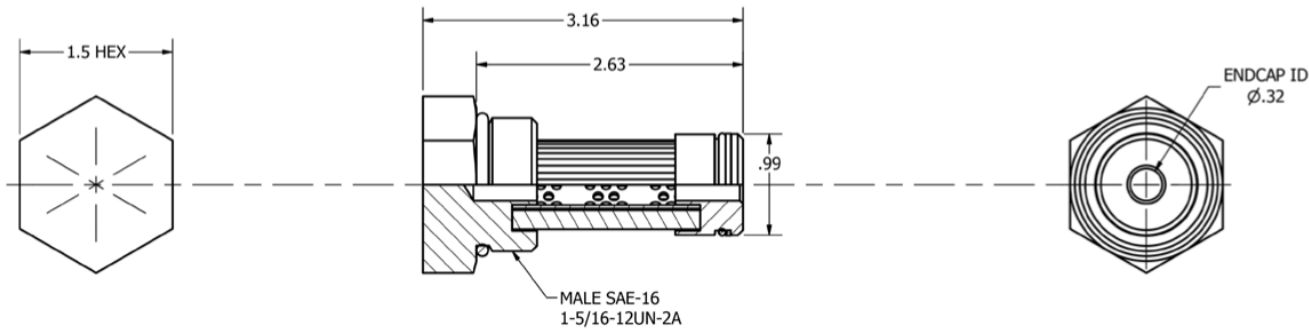
All TTI PowerGuard™ filters are produced in the USA or Germany and hand-checked to ensure world-class filtration performance.

We combine our proprietary Dual Phase Microglass media with industry-leading build quality to provide Beta 1000 efficiencies, extended filter life, and reduced initial pressure drops.



PERFORMANCE

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



TTI PN	-	Micron Rating B1000	Media Type	Seal Type
TTCF20		1	(Omit) Dual Phase Microglass Media	B = Buna
		3		V = Viton
		6		
		10		
		25		

PART NUMBER EXAMPLE: TTCF20-3V = TTCF20 (3 micron, viton seal type)

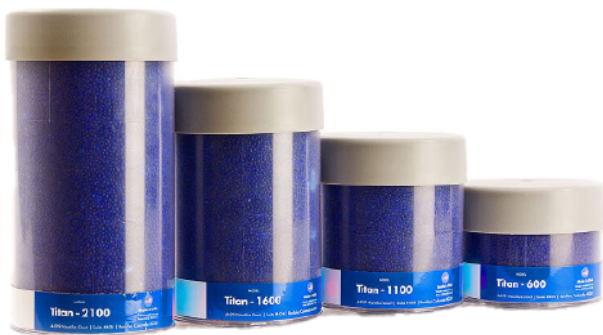
TTCF20 Series Hydac® Crosses

Hydac® Part Number	TTI Part Number
CFMM20G10W1.0/12	TTCF20-9LB
CFMM20G10W1.0/12V	TTCF20-9LV
CFBH/HC20G10W1.0/12	TTCF20-10B
2087807	TTCF20-10B
CFBH/HC20G10W1.0/12V	TTCF20-10V
2096233	TTCF20-10V
CFBH/HC20G20W1.0/12	TTCF20-25B
CFBH/HC20G20W1.0/12V	TTCF20-25V

Desiccant Breather Hydac® Crosses

Hydac® Part Number	TTI Part Number
BDE-200	Titan-600
BDE-400	TT-4-CV
BDE-1000	Titan-1100

TTI Titan PowerBreather™



TTI PowerBreather™ - CV Line



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