

Replacement Element		C	E	-	F	G	H
Section C	Description	51	E		25S	E	N
Element Size	See Section C for Element Size	51					
Element			E				
Section F	Description				25S		
Micron/Material	See Section F for Micron Rating				25S		
Section G	Description					E	
Collapse Rating	See Section G for Collapse Rating					E	
Section H	Description						N
O-Ring Material	See Section H for Collapse Rating						N

If You Have Pressure or Flow Fluctuations!

Dynamic filtration is necessary when there are constant changes in either flow or pressure, along with or constant system vibration. The best filters to use in a dynamic application are fiber metal felt (FMF) elements. Fiber media filters are the best choice to catch and retain particulate matter in dynamic environments.

Dynamic Filters remove damaging contaminants that enter **hydraulic systems** and particulates that these systems produce during operation. The best feature of fiber metal felt elements are their ability to retain contaminants despite the operating environment.



info@chasefiltercompany.com • 757-327-0036

Please visit: www.chasefiltercompany.com to download 3D Models & Step Drawings



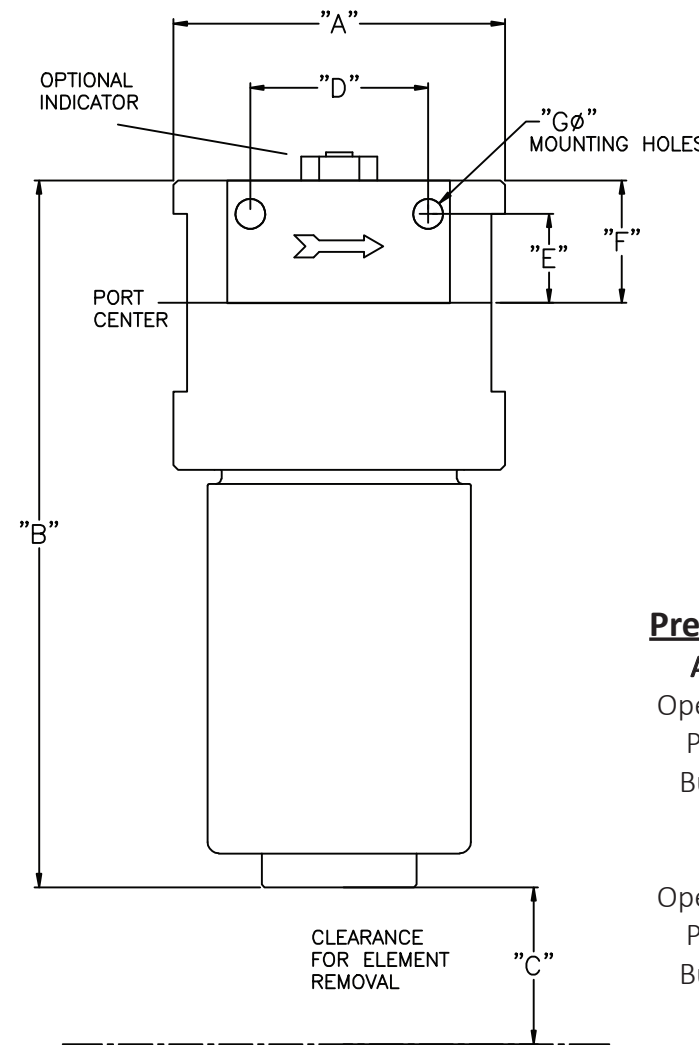
[317943]

51 Series Tee-Type Filters (5K, 6K)



- ▶ Available in Aluminum (5K), 303 Stainless (6K) and 316 Stainless (6K)
- ▶ Various Micron Ratings Ranging from 0.2 to 1000 Available in Micro Glass, Stainless Steel, Powdered Sintered Stainless Steel and Fiber Metal Felt.
- ▶ Port Sizes Range from 1/4" to 1-1/2" in NPT, SAE, AS5202, Butt and Socket Weld
- ▶ **For Flow Chart Data, Contact Factory**

TEE-TYPE FILTERS



Optional Accessories

Bowl Drain: 1/4" FNPT and FSAE
Gauge Ports: 1/4" FNPT and FSAE

DIMENSIONS								
A	GPM SIZE	B	C	D	E	F	G	EL. SIZE
3.75	10	7.95	4.8	2.0	1.0	1.38	.345	51E
3.75	24	10.64	7.4	2.0	1.0	1.38	.345	53E
5.0	50	14.20	9.9	2.25	1.38	1.88	.40	55E

Pressure Ratings

Aluminum (5K)

Operating: 5,000 PSI
Proof: 7,500 PSI
Burst: 20,000 PSI

Stainless (6K)

Operating: 6,000 PSI
Proof: 9,000 PSI
Burst: 24,000 PSI

Temperature Ratings

Elements

Micro Glass -70°F to +325°F
Stainless -425°F to +1000°F
Sintered -425°F to +1000°F
Fiber Metal Felt -320°F to 1,000°F

O-Rings

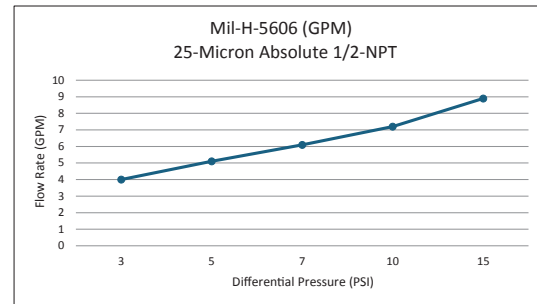
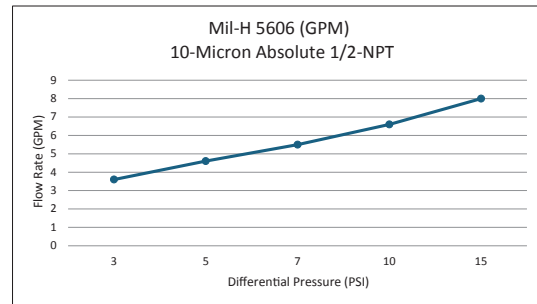
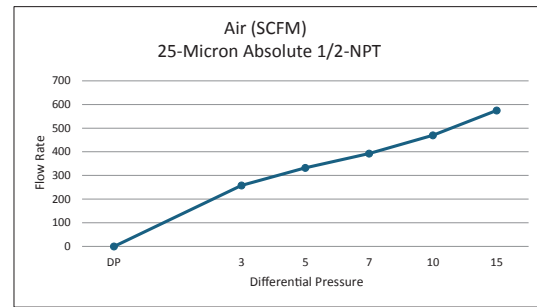
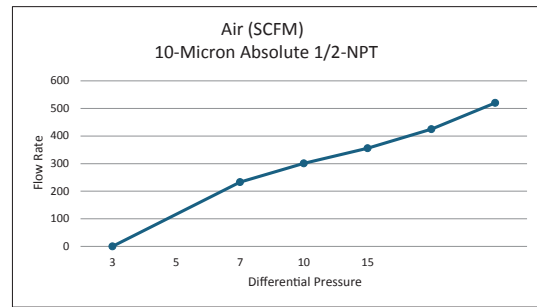
Buna -40°F to +250°F
Viton -20°F to +400°F
EPR -60°F to +400°F
Kalrez -40°F to +550°F
Teflon Encapsulated Viton -4°F to +400°F
Teflon -425°F to 500°F



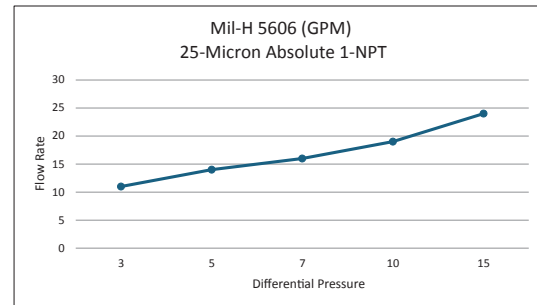
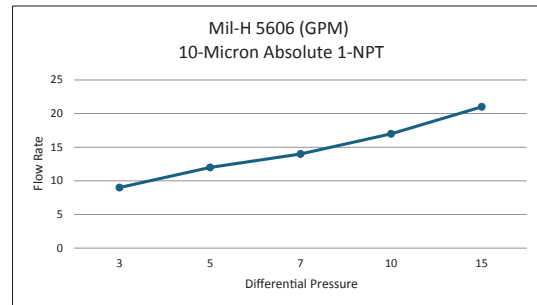
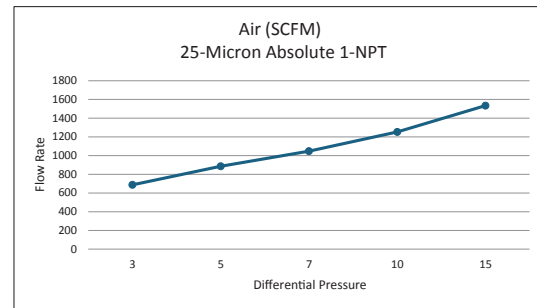
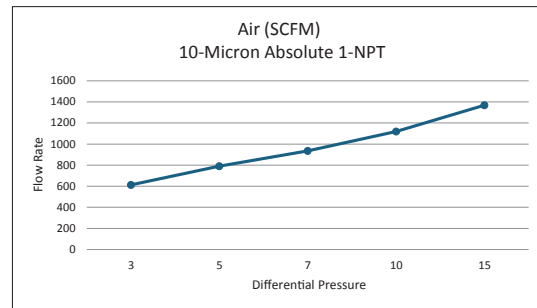
307 E Street, Hampton, VA 23661
(PH) 757-327-0036

www.chasefiltercompany.com • info@chasefiltercompany.com

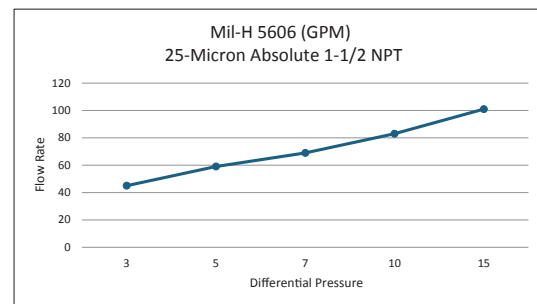
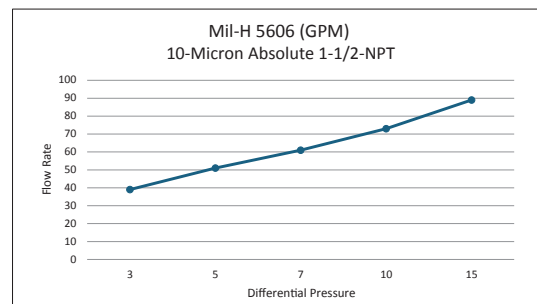
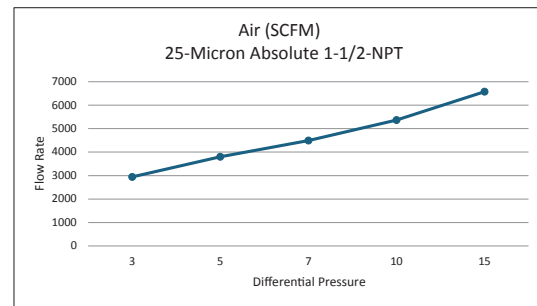
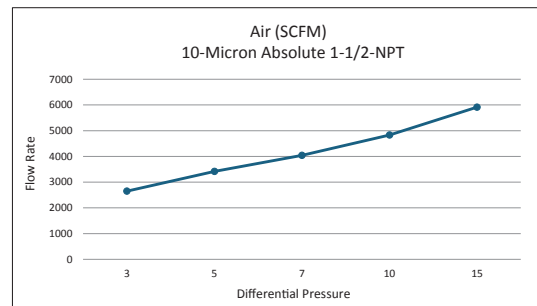
51E Flow Graphs



53E Flow Graphs



55E Flow Graphs



51 Series How to Order

			A	B	C	D	E	F	G	H	Optional						
			51	S	-	10	4	S	-	25S	E	N	-	V	B2	B25	
Section A	Description	Code															
Filter Series	Tee-Type Filters up to 6000 PSI	51 51															
Section B																	
Housing Material & Pressure	Aluminum 5000 PSI	A	A														
	303 Stainless 6000 PSI	S	S														
	316 SS - 6000 PSI	T	T														
Section C	Element Size																
Flow - GPM/SCFM	10 GPM / 300 SCFM	51E	10											10			
	24 GPM / 1200 SCFM	53E	24											24			
	50 GPM / 4000 SCFM	55E	50											50			
Section D																	
Port Size	1/4"	51E & 53E	4				4										
	3/8"	51E & 53E	6				6										
	1/2"	51E & 53E	8				8										
	3/4"	51E & 53E	12				12										
	1"	51E, 53E & 55E	16				16										
	1 1/4"	55E	20				20										
	1 1/2"	55E	24				24										
Section E	Port Type	Port Size & Flow															
Inlet/Outlet Type	ASS202	1/4 to 1" 10 & 24-GPM	A											A			
	ASS202	1" to 1-1/2" 50-GPM	A											A			
	Butt Weld Per ASME B16-25	1/2 & 3/4" 10 & 24-GPM	BWXX											BWXX			
	Butt Weld Per ASME B16-23	1" to 1-1/2" 50-GPM	BWXX											BWXX			
	NPT Female	1/4 to 1" 10 & 24-GPM	P											P			
	NPT Female	1" to 1-1/2" 50-GPM	P											P			
	SAE J1926	1/4 to 1" 10 & 24-GPM	S											S			
	Socket Weld Per ASME B16-11	1/2 & 3/4" 10 & 24-GPM	SWXX											SWXX			
	Socket Weld Per ASME B16-11	1" to 1-1/2" 50-GPM	SWXX											SWXX			
	Section F	Material	Micron/Nom	Micron/Abs													
	Micron Rating/ Material	316 Sintered SSTL	0.2	.2P	.2P												
		316 Sintered SSTL	0.7	.7P	.7P												
316 Sintered SSTL		2	2P	2P													
316 Sintered SSTL		5	5P	5P													
Microglass		1	1M	1M													
Microglass		3	3M	3M													
Microglass		5	5M	5M													
Microglass		10	10M	10M													
Microglass		25	25M	25M													
Fiber Metal Felt		3	3FMF	3FMF													
Fiber Metal Felt		10	10FMF	10FMF													
304 SSTL		2	10	10S	10S												
304 SSTL		5	18	18S	18S												
304 SSTL		10	25	25S	25S												
304 SSTL		40	75	75S	75S												
304 SSTL		100	150	150S	150S												
Section G																	
Collapse Rating	300 PSID Fiber Metal Felt Microglass	C											C				
	3250 PSID Fiber Metal Felt Microglass	D											D				
	4500 PSID Stainless Wire	E											E				
	2000 PSID 316 Sintered	F											F				
Section H																	
O-Ring Material	Buna -40°F to +250°F	N											N				
	Viton® -20°F to +400°F	V											V				
	EPR -60°F to +400°F	E											E				
	Teflon® (Consult Factory) -425°F to +550°F	T											T				
	Kalrez® -40°F to +500°F	K											K				
Teflon Encapsulated Viton -4°F to +400°F	S											S					
Section I																	
Optional Accessories	Visual Indicator	V											V				
	1/4" NPT ΔP Ports	D2											D2				
	1/4" SAE ΔP Ports	D4											D4				
Section J																	
Optional Bowl Drain	1/4" NPT	B2											B2				
	1/4" SAE	B4											B4				
Section K																	
Optional Bypass	Insert Pressure Setting	B**											**Indicates Pressure Setting				
	Default Setting is 50 PSID																
Bypass is not available with ΔP Ports																	