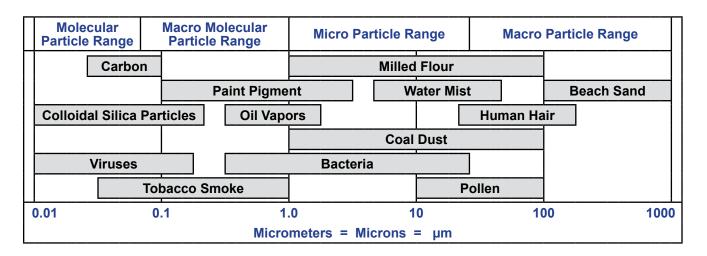


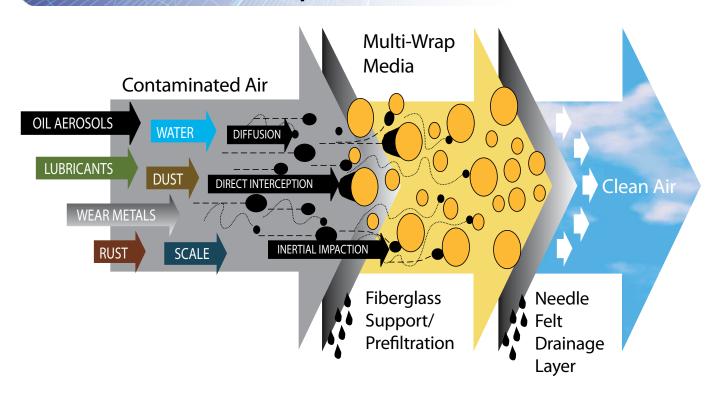
GW Series
ASME Filtration Products

### Why is Filtration Required

In one cubic foot of atmospheric air, there are millions of particles that are potentially harmful to your machines and equipment. These particles are primarily made up of dust, bacteria, viruses, smoke, fumes, hydrocarbons, water, oil and other contaminates derived from human and industrial activities. Roughly 80% of the contaminates are so small that they will easily pass through your compressor's intake filter. When this air is drawn into the compressor intake and compressed to 100 PSIG the concentration of contamination is increased eight fold. The concentrated contaminates will easily find their way into your process lines, causing frequent and expensive downtime of your pneumatic equipment or adversely affecting the quality of your products. The incorporation of filtration into your compressed air system will produce benefits in both productivity and product quality.



### **Principals of Filtration**



# **Filtration Grades Coalescing**

High Effice	ency	Prefiltered High Efficency			
Coalescing Filt		Coalescing Filtration - HQ			
Particle Removal		Particle Removal			
Down to 0.01 Micron		Down to 0.01 Micron			
Max. Oil Carryover		Max. Oil Carryover			
0.008 PPM w/w		0.008 PPM w/w			
Clean Dry Pressure Drop		Clean Dry Pressure Drop			
1.5 PSID		1.5 PSID			
Saturated Pressure Drop	MAAAA AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA	Saturated Pressure Drop			
4.0 PSID		4.0 PSID			
ISO 8573		ISO 8573			
(Class 1)		(Class 1)			
End Seal Material		End Seal Material			
Urethane	AAXASSOO!	Urethane			
Element Flow	A STATE OF THE STA	Element Flow			
Inside/Out		Inside/Out			
Utility		Prefiltered	_		
Coalescing Filtr	ation - PC	Coalescing Filt	ration - PQ		
Particle Removal		Particle Removal			
Down to 1.0 Micron		Down to 1.0 Micron			
Max. Oil Carryover		Max. Oil Carryover			
0.85 PPM w/w		0.85 PPM w/w			
Clean Dry Pressure Drop	111818109	Clean Dry Pressure Drop			
0.75 PSID		0.75 PSID			
Saturated Pressure Drop	MAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA	Saturated Pressure Drop			
2.5 PSID		2.5 PSID			
ISO 8573		ISO 8573			
(Class 2)		(Class 2)			
End Seal Material	AXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	End Seal Material			
Urethane	AXXXXXXX	Urethane			
Element Flow		Element Flow			

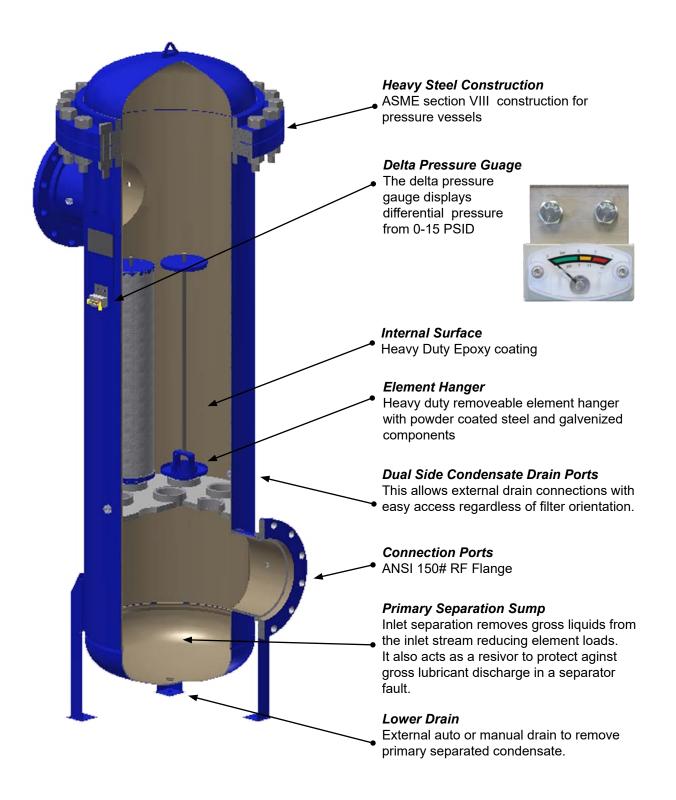
# Filtration Grade Particulate - Dust / Adsorber

Inside/Out

Inside/Out

Particulate / Dust	Filtration - PP	Prefiltered High Quality Coalescing Filtration		
Particle Removal Down to 0.1 Micron		High purity extended surface activated carbon Removes hydrocarbon mist and vapor.		
Max. Oil Carryover 0.09 PPM w/w	Boon - 0008	Max. Oil Carryover 0.003 PPM w/w		
Clean Dry Pressure Drop 1.0 PSID		Clean Dry Pressure Drop 1.0 PSID		
Saturated Pressure Drop 2.0 PSID	Muu	Saturated Pressure Drop 4.0 PSID		
ISO 8573 (Class 3)		ISO 8573 (Class 3)		
Element Flow Outside/In	MUHAXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	Element Flow Outside/In		

## **Cleaver & Efficient Housing Design**



GW Series Housing Specifications:						
Housing Material:	Steel					
Maximum Pressure:	165 PSIG					
Maximum Temperature:	450 °F					

#### Mist Eliminator Filtration

Throughout the late 20th century there were calls for the reduction of pressure drops throughout compressed air systems in an effort to increase energy efficiency. Coalescing filtration was identified as a substantial contributor to total system pressure drop and the Mist Eliminator was developed to reduce the addition of pressure drop through filtration.

The Mist Eliminator is a type of coalescing filter that is specifically designed to operate at low pressure drops making the filter significantly more energy efficient. The filter design relies on the three standard collection mechanisms of coalescing: Direct Impact, Interception, and Diffusion. The reduced pressure drop is a benefit of the filtration substrate which is a pleated borosilicate glass with a fluorocarbon binder that give the filter extremely high surface area and exceptional drainage ability, while still maintaining coalescing efficiencies. This design offers the benefits of the most efficient coalescing material available and still maintains low pressure drops while offering greatly reduced physical size as compared to competitive products.

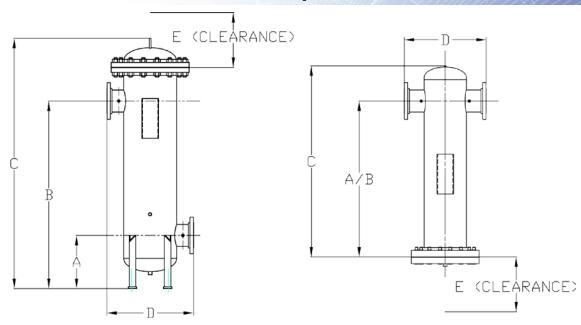
Mist Eliminator Coalescing Filtration						
Particle Removal Down to 0.5 Micron @						
Max. Oil Carryover	0.09 PPM w/w					
Clean Dry Pressure Drop	0.25 PSID					
Saturated Pressure Drop	0.5 PSID					
ISO 8573	(Class 2)					
Element Flow	Inside/Out					



## **Model Nomenclature**

	Model #	Housing	Capacity In SCFM		Max. Pressure	Max.	Port	Replacement Element/Set		
		Type	100 PSIG	125 PSIG	Fressure	Temp.		Element/Set		
Coalescing	GWT3F-1500-GA-H	T-Type	1500	1827	185 psig	175°F	3" Flg.	EGW-1500-H		
<u>se</u>	GWT4F-2000-GA-H	T-Type	2000	2436	185 psig	175°F	4" Flg.	EGW-2000-H		
8	GWT6F-3000-GA-H	T-Type	3000	3654	185 psig	175°F	6" Flg.	EGW-3000-H		
%	GWF3F-1500-GA-H	Floor	1500	1827	185 psig	175°F	3" Flg.	EGW-1500-H		
enc	GWF4F-2000-GA-H	Floor	2000	2436	185 psig	175°F	4" Flg.	EGW-2000-H		
High Efficiency	GWF4F-2300-GA-H	Floor	2300	2801	185 psig	175°F	4" Flg.	EGW-2300-H		
— <u>—</u>	GWF6F-3000-GA-H	Floor	3000	3654	185 psig	175°F	6" Flg.	EGW-3000-H		
jg	GWF6F-4500-GA-H	Floor	4500	5481	185 psig	175°F	6" Flg.	EGW-4500-H		
+	GWF8F-6000-GA-H	Floor	6000	7308	185 psig	175°F	8" Flg.	EGW-6000-H		
	GWF10F-10500-GA-H	Floor	10500	12789	185 psig	175°F	10" Flg.	EGW-10500-H		
	GWF12F-16500-GA-H	Floor	16500	20097	185 psig	175°F	12" Flg.	EGW-16500-H		
	GWT3F-1500-GA-PC	T-Type	1500	1827	185 psig	175°F	3" Flg.	EGW-1500-PC		
g	GWT4F-2000-GA-PC	T-Type	2000	2436	185 psig	175°F	4" Flg.	EGW-2000-PC		
Scir	GWT6F-3000-GA-PC	T-Type	3000	3654	185 psig	175°F	6" Flg.	EGW-3000-PC		
<u>ë</u>	GWF3F-1500-GA-PC	T-Type	1500	1827	185 psig	175°F	3" Flg.	EGW-1500-PC		
Coalescing	GWF4F-2000-GA-PC	Floor	2000	2436	185 psig	175°F	4" Flg.	EGW-2000-PC		
	GWF4F-2300-GA-PC	Floor	2300	2801	185 psig	175°F	4" Flg.	EGW-2300-PC		
Utililty Grade	GWF6F-3000-GA-PC	Floor	3000	3654	185 psig	175°F	6" Flg.	EGW-3000-PC		
	GWF6F-4500-GA-PC	Floor	4500	5481	185 psig	175°F	6" Flg.	EGW-4500-PC		
≣	GWF8F-6000-GA-PC	Floor	6000	7308	185 psig	175°F	8" Flg.	EGW-6000-PC		
🗅	GWF10F-10500-GA-PC	Floor	10500	12789	185 psig	175°F	10" Flg.	EGW-10500-PC		
	GWF12F-16500-GA-PC	Floor	16500	20097	185 psig	175°F	12" Flg.	EGW-16500-PC		
	GWT3F-1500-GM-PP	T-Type	1500	1827	185 psig	175°F	3" Flg.	EGW-1500-PP		
	GWT4F-2000-GM-PP	T-Type	2000	2436	185 psig	175°F	4" Flg.	EGW-2000-PP		
	GWT6F-3000-GM-PP	T-Type	3000	3654	185 psig	175°F	4" Flg.	EGW-3000-PP		
l o	GWF3F-1500-GM-PP	Floor	1500	1827	185 psig	175°F	6" Flg.	EGW-1500-PP		
ticulate	GWF4F-2000-GM-PP	Floor	2000	2436	185 psig	175°F	4" Flg.	EGW-2000-PP		
<u> </u>	GWF4F-2300-GM-PP	Floor	2300	2801	185 psig	175°F	4" Flg.	EGW-2300-PP		
Par	GWF6F-3000-GM-PP	Floor	3000	3654	185 psig	175°F	6" Flg.	EGW-3000-PP		
	GWF6F-4500-GM-PP	Floor	4500	5481	185 psig	175°F	6" Flg.	EGW-4500-PP		
	GWF8F-6000-GM-PP	Floor	6000	7308	185 psig	175°F	8" Flg.	EGW-6000-PP		
	GWF10F-10500-GM-PP	Floor	10500	12789	185 psig	175°F	10" Flg.	EGW-10500-PP		
	GWF12F-16500-GM-PP	Floor	16500	20097	185 psig	175°F	12" Flg.	EGW-16500-PP		
	I ave=== /=== a		1 ,		l		1			
	GWT3F-1700-GA-M	T-Type	1700	2070	185 psig	175°F	3" Flg.	EGW-1700-M		
	GWT4F-2300-GA-M	T-Type	2300	2801	185 psig	175°F	4" Flg.	EGW-2300-M		
ō	GWT6F-3400-GA-M	T-Type	3400	4141	185 psig	175°F	6" Flg.	EGW-3400-M		
Mist Eliminator	GWF3F-1700-GA-M	Floor	1700	2070	185 psig	175°F	3" Flg.	EGW-1700-M		
<u>=</u>	GWF4F-2300-GA-M	Floor	2300	2801	185 psig	175°F	4" Flg.	EGW-2300-M		
<del> </del>	GWF6F-3400-GA-M	Floor	3400	4141	185 psig	175°F	6" Flg.	EGW-3400-M		
Mis	GWF6F-5200-GA-M	Floor	5200	6333	185 psig	175°F	6" Flg.	EGW-5200-M		
-	GWF8F-7000-GA-M	Floor	7000	8526	185 psig	175°F	8" Flg.	EGW-7000-M		
	GWF10F-12500-GA-M	Floor	12500	15225	185 psig	175°F	10" Flg.	EGW-12500-M		
	GWF12F-19250-GA-M	Floor	19250	23446	185 psig	175°F	12" Flg.	EGW-19250-M		

# **Dimensions & Specifications**



Model #	Housing In/Out		Drain Cor	nnections	Weight		Dimensions			
Wodel #	Type	Connections	Bottom	Side	Lbs	Α	В	С	D	
GWT3F-1500	T-Type	3" Flg.	1/4"	N/A	157	-	44	52	16	
GWT4F-2000	T-Type	4" Flg.	1/4"	N/A	353	-	47	58	22	
GWT6F-3000	T-Type	6" Flg.	1/4"	N/A	400	-	48	58	20	
GWF4F-1500	Floor Stand	3" Flg.	1/2"	1/2"	192	12	50	59	15	
GWF4F-2000	Floor Stand	4" Flg.	1/2"	1/2"	400	16	63	74	20	
GWF4F-2300	Floor Stand	4" Flg.	1/2"	1/2"	404	16	63	74	20	
GWF6F-3000	Floor Stand	6" Flg.	1/2"	1/2"	419	16	63	74	20	
GWF6F-4500	Floor Stand	6" Flg.	1/2"	1/2"	546	16	57	74	26	
GWF8F-6000	Floor Stand	8" Flg.	1/2"	1/2"	927	19	61	83	30	
GWF10F-10500	Floor Stand	10" Flg.	1/2"	1/2"	977	22	68	90	34	
GWF12F-16500	Floor Stand	12" Flg.	1/2"	1/2"	1,068	28	77	99	46	

Notes: All Dimensions are in Inches / Weight is in Pounds / Connections are in Inches NPT unless otherwise noted

				Мо	del N	omenclature		
Series Type Conn Size			Accessories		Element Grade			
GW		Х	XX X or XX -			X or XX		
	Т	Inline	3F	3" Flange	Α	Auto Float Drain	Н	High Efficiency
	_ '	T-Type	4F	4" Flange	GA	Delta Pressure Gauge	11	Coalescing
	F	Floor	6F	6" Flange	GA.	w/ Auto Float Drain	PC	Utility Grade
		Stand	8F	8" Flange	М	Manual Drain	' 0	Coalescing
			10F	10" Flange	GM	Delta Pressure Gauge	HQ	Prefiltered High
			12F	12" Flange	Givi	w/ Manual Drain	110	Efficiency Coalescing
					DA	Delta Pressure Indicator w/ Auto Float Drain	PQ	Prefiltered Utility Grade Coalescing
							PP	Particulate / Dust Removal
							V	Activated Carbon Adsorber
							М	Mist Eliminator

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