



"A leading worldwide supplier of high efficiency filters for a variety of industries and applications."

FILTER REGULATOR ASSEMBLIES

High efficiency coalescing filtration along with precise pressure regulation is provided, in one convenient piggy-back unit. UFS coalescing filter regulators combine all the advantages of coalescing filtration using grade 50C filter elements with a high performance pressure regulator. The regulator is placed downstream of the coalescer to provide clean, dry air at constant pressure, irrespective of the pressure drop across the coalescer.



Features:

- Compact Design
- High Flow – High Efficiency Filtration
- Integral Piggy-Back Regulator
- Clear Bowl For At A Glance Monitoring Available
- Regulator Ranges Available 0-30, 5-60, & 10-130

Applications:

- Point-Of-Use Regulation Of Air Systems
- Valve Protection
- Instrument Air Line Control
- I/P Control Valve Protection

At the heart of our filter products is the filter element. Choosing the correct element insures proper results for your specific application:

Disposable Microfiber Elements

Disposable Microfiber Elements are most commonly used since they offer exceptional filtration, high flows with minimal pressure drops, and excellent chemical compatibility. These are ideal for use in sample conditioning, instrumentation, CNG, and Emission/Environmental service.

- For **Coalescing (liquid removal)** and particle collection use our grade "C". We recommend starting with the 70C which is rated at 95% efficient at 0.01 micron which provides outstanding filtration, at high flow rates.
- Filter Regulators comes complete with coalescing element grade 50C.



Sintered Polyethylene (PEL)

Sintered polyethylene elements (PEL) are used only in non-corrosive applications to remove bulk contaminates. Standard micron sizes available: 10, 25, and 75.

- Optional for Heavy Contaminated Systems

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- Internal Float Drain Available
- Regulator Ranges Available 0-30, 5-60, & 10-130 PSIG
- Non/Rising Adjustment Knob



TECHNICAL INFORMATION

Housing Model	FR516	FRA516
Port Size (NPT)	1/8" or 1/4"	1/8" or 1/4"
Gauge Ports (NPT)	1/8"	1/8"
Maximum Pressure (psig)	150	250
Maximum Temperature (°F)	120	175
Weight of Housing (lbs)	1.0	1.0
Principle Dimensions: (inches)		
Head Diameter	1.50	1.50
Overall Length	5.77	5.77
Filter Element Codes:	12-32-50C	12-32-50C
Materials Of Construction:		
Head	Aluminum	Aluminum
Bowl	Polycarbonate	Aluminum
Internals	Nylon & Buna-N	Nylon & Buna-N
O-Rings (Standard)	Buna-N	Buna-N
Drain	Stainless Steel Schrader Valve	Stainless Steel Schrader Valve
Regulator Range:		
0-30, 5-60, & 10-130 PSIG	30R, 60R, 130R	30R, 60R, 130R

FLOW RATE IN SCFM FOR ABOVE ASSEMBLIES WITH GRADE 50C ⁽¹⁾ or 70C ⁽²⁾

Air Line Pressure (PSIG)	FR516 Series		FRA516 Series	
	50C	70C	50C	70C
30	3	9	3	9
60	4	14	4	14
100	6	23	6	23
150	9	31	9	31
250	--	--	13	47

Notes: (1) Flow rates for Grade 50C rated at 99.99% against 0.01 micron
 (2) Flow rates for Grade 70C rated at 95% against 0.01 micron

FILTER REGULATOR ASSEMBLIES

TECHNICAL INFORMATION

Housing Model	FRT066	FRAT066	FRT076	FRAT076
Port Size (NPT)	1/4" or 1/2"	1/4" or 1/2"	1/2"	1/2"
Gauge Ports (NPT)	1/4"	1/4"	1/4"	1/4"
Maximum Pressure (psig)	150	250	150	250
Maximum Temperature (°F)	120	175	120	175
Weight of Housing (lbs)	2.0	3.0	3.0	4.0
Principle Dimensions: (inches)				
Head Diameter	2.50	2.50	2.50	2.50
Overall Length	10.13	10.13	14.00	14.00
Filter Element Codes:	25-64-50C	25-64-50C	25-178-50C	25-178-50C
Materials Of Construction:				
Head	Aluminum	Aluminum	Aluminum	Aluminum
Bowl	Polycarbonate	Aluminum	Polycarbonate	Aluminum
Internals	Nylon & Buna-N	Nylon & Buna-N	Nylon & Buna-N	Nylon & Buna-N
O-Rings (Standard)	Buna-N	Buna-N	Buna-N	Buna-N
Drain	Plastic Twist	Plastic Twist	Plastic Twist	Plastic Twist
Regulator Range Available				
0-30, 5-60, & 10-130 PSIG	30R, 60R, 130R	30R, 60R, 130R	30R, 60R, 130R	30R, 60R, 130R

FLOW RATE IN SCFM FOR ABOVE ASSEMBLIES WITH GRADE 50C ⁽¹⁾ or 70C ⁽²⁾

Air Line Pressure (PSIG)	FRT066 Series		FRT076 Series	
	50C	70C	50C	70C
30	8	16	15	19
60	13	26	25	32
100	21	44	40	50
150	29	58	55	68
250	45	89	83	106

Notes: (1) Flow rates for Grade 50C rated at 99.99% against 0.01 micron
(2) Flow rates for Grade 70C rated at 95% against 0.01 micron

TECHNICAL INFORMATION ON AUTOMATIC FLOAT DRAIN UNITS

Housing Model	FRFT066	FRAFT066	FRFT076	FRAFT076
Port Size (NPT)	1/4" or 1/2"	1/4" or 1/2"	1/2"	1/2"
Gauge Ports (NPT)	1/4"	1/4"	1/4"	1/4"
Maximum Pressure (psig)	150	250	150	250
Maximum Temperature (°F)	120	175	120	175
Weight of Housing (lbs)	2.0	3.0	3.0	4.0
Principle Dimensions: (inches)				
Head Diameter	2.50	2.50	2.50	2.50
Overall Length	10.13	10.13	14.00	14.00
Filter Element Codes:	25-64-50C	25-64-50C	25-127-50C	25-127-50C
Materials Of Construction:				
Head	Aluminum	Aluminum	Aluminum	Aluminum
Bowl	Polycarbonate	Aluminum	Polycarbonate	Aluminum
Internals	Nylon & Buna-N	Nylon & Buna-N	Nylon & Buna-N	Nylon & Buna-N
O-Rings (Standard)	Buna-N	Buna-N	Buna-N	Buna-N
Drain	Plastic & Brass	Plastic & Brass	Plastic & Brass	Plastic & Brass
Regulator Range:				
0-30, 5-60, & 10-130 PSIG	30R, 60R, 130R	30R, 60R, 130R	30R, 60R, 130R	30R, 60R, 130R

FLOW RATE IN SCFM FOR ABOVE ASSEMBLIES WITH GRADE 50C ⁽¹⁾ or 70C ⁽²⁾

Air Line Pressure (PSIG)	FRFT066 Series		FRFT076 Series	
	50C	70C	50C	70C
30	8	16	11	14
60	13	26	18	23
100	21	44	28	35
150	29	58	46	48
250	45	89	58	75

Notes: (1) Flow rates for Grade 50C rated at 99.99% against 0.01 micron
(2) Flow rates for Grade 70C rated at 95% against 0.01 micron