

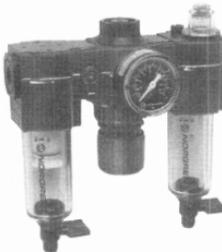
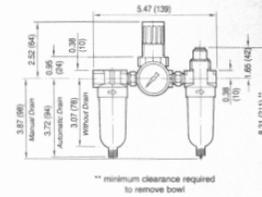
Series 1 Combination Units



Mini - Transparent Bowl

Automatic Drain			Manual Drain		
Size	Part #	SCFM	Size	Part #	SCFM
1/8"	P1A-100A	10	1/8"	P1A-100M	10
1/4"	P1A-200A	10	1/4"	P1A-200M	10

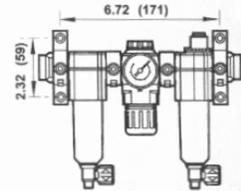
1 OZ. RESERVOIR



1/4" Basic - Transparent Bowl

Automatic Drain			Manual Drain		
Size	Part #	SCFM	Size	Part #	SCFM
1/4"	E72-2A	36	1/4"	E72-2M	36
3/8"	E72-3A	36	3/8"	E72-3M	36

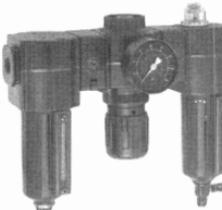
2 OZ. RESERVOIR



Transparent bowl pictured

- Connected modularly
- Includes 2 clamp and wall mounting brackets #4214-52, 2 clamps #4214-51 and 2 NPT pipe adapters. See modular components on pages 133-135 for other options.

- 2 OZ. RESERVOIR
- Adjustable 5-150 PSI
- Inlet pressure for transparent bowl is 150 PSI
- Inlet pressure for metal bowl is 250 PSI maximum



1/4" Basic - Metal Bowl with Sight Glass

Automatic Drain			Manual Drain		
Size	Part #	SCFM	Size	Part #	SCFM
1/4"	E72-2A-MB	36	1/4"	E72-2M-MB	36
3/8"	E72-3A-MB	36	3/8"	E72-3M-MB	36

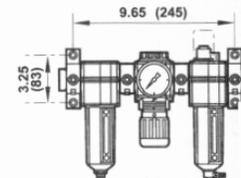
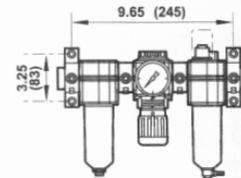
Metal bowl pictured

Automatic Drain			Manual Drain		
Size	Part #	SCFM	Size	Part #	SCFM
1/4"	E73-2A	70	1/4"	E73-2M	70
3/8"	E73-3A	70	3/8"	E73-3M	70
1/2"	E73-4A	70	1/2"	E73-4M	70

3/8" Basic - Metal Bowl with Sight Glass

Automatic Drain			Manual Drain		
Size	Part #	SCFM	Size	Part #	SCFM
1/4"	E73-2A-MB	70	1/4"	E73-2M-MB	70
3/8"	E73-3A-MB	70	3/8"	E73-3M-MB	70
1/2"	E73-4A-MB	70	1/2"	E73-4M-MB	70

- 2 OZ. RESERVOIR
- Connected modularly
- Includes 2 clamp and wall mounting brackets #4314-52, 2 clamps #4314-51 and 2 NPT pipe adapters. See modular components on pages 133-135 for other options.
- Adjustable 5-150 PSI
- Inlet pressure for transparent bowl is 150 PSI
- Inlet pressure for metal bowl is 250 PSI maximum



These units are intended for use in industrial compressed air systems only. They must not be used where pressure or temperature may exceed maximum rated operating conditions. See specifications. The polycarbonated plastic bowls used on these units can be damaged and possibly burst if exposed to such substances as certain solvents, strong alkalis, compressor oils that contain ester-based additives or synthetic oils. Fumes of these substances in contact with the polycarbonate bowl, externally or internally, can also result in damage. Clean with warm water only. Use metal bowl in applications where a plastic bowl might be exposed to substances that are incompatible with polycarbonates. Not for use with fluids. Combination Units are supplied with micro-fog lubricators.

SCFM ratings at 100 PSI inlet pressure.

Series 1 Drip Leg Automatic Drain

Used in compressed air systems to automatically expel liquids from piping systems. Installed at low points in piping and at end of pipe network, where water is likely to accumulate.

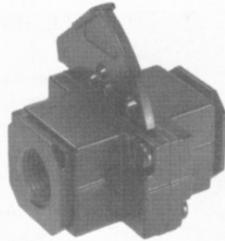


Size	Part #
1/2"	17-016-107

- Metal bowl
- Drain is ported to 1/8" NPT
- Inlet for metal bowl: 250 PSIG

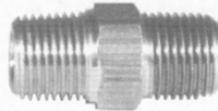
Series 1 Three-Way Shut-Off Valves

These shut-off valves, typically attached to the inlet end of a combination unit, are manually operated, slide type valves that open and close with a short one-inch movement of the slide. The valve slide can be locked in the closed position with a customer supplied padlock. The standard valve is a 3-way valve that exhausts downstream air in the closed position. Recommended pressure is 250 PSI. For use with 73 and 74 Series filters, regulators and lubricators on pages 117-128.



Port Size	Part #
1/4"	T73E-2
3/8"	T73E-3
1/2"	T73E-4

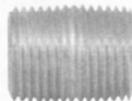
Brass Hex Nipples



Male NPT x Male NPT	Part #	Pkg Qty
1/8" x 1/8"	BCN12	50
1/4" x 1/4"	BCN25	50
3/8" x 3/8"	BCN37	50
1/2" x 1/2"	BCN50	50
3/4" x 3/4"	BCN75	50

Optional Pkg./Box Quantity Shown

Steel Close Nipples



Male NPT Size	Part #	Pkg Qty
1" x 1"	CN100	10
1-1/4" x 1-1/4"	CN125	10
1-1/2" x 1-1/2"	CN150	10
2" x 2"	CN200	10

- Stainless Steel close nipples are available on pages 164 and 312.
- Brass close nipples are available on page 175.

Optional Pkg./Box Quantity Shown



Series 1 Accessories

Mounting Brackets

Part #	Description
2962-89	Plastic Panel Nut for R07
5988-02	Panel Nut (Stainless Steel) for R22
5191-89	Plastic Panel Nut for B08, R08
5226-97	Metal Panel Nut for R12, R17, B12
5939-06	Mounting Bracket for F07
3783-52	Mounting Bracket for F08, L08
5532-04	Mounting Bracket Kit for F12, L12
6212-50	Mounting Bracket Kit for 3/4" & 1" F17, L17
6212-51	Mounting Bracket Kit for 1 1/4" & 1 1/2" F17, L17
18-025-003	Mounting Bracket for R07, B07
5203-06	Mounting Bracket Kit for R08, B08
5514-06	Mounting Bracket Kit w/Panel Nut for R12, B12
5570-04	Mounting Bracket for R17
18-001-962	Mounting Bracket Kit for R22
18-001-973	Mounting Bracket Kit w/Panel Nut for R22
5939-08	Mounting Bracket for L07

O-Ring Kits

Part #	Description
3163-05	O-Ring Kit for F08
5324-02	O-Ring Kit for L08
3019-09	O-Ring Kit for F12
5771-01	O-Ring Kit for L12
5578-05	O-Ring Kit for F17
5771-02	O-Ring Kit for L17
4380-500	O-Ring Kit for F72
4380-600	O-Ring Kit for F73
4380-700	O-Ring Kit for F74
4382-500	O-Ring Kit for L72
4382-600	O-Ring Kit for L73
4382-700	O-Ring Kit for L74

Service Life Indicator Conversion Kit for F74 Airline Filters and Oil Removal Filters

Allows addition of service life indicator in the field.



Series	Part #
74	5797-50

Panel Nut

Use to panel mount Regulators and Filter/Regulators. Series 72 Nut is Plastic; Series 73 and 74 nuts are Zinc.



Series	Part #
72	4248-89
73	5191-88
74	4348-89

Lubricator Accessories

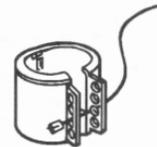
Part #	Description
18-011-024	Quick Fill Cap for L08
18-011-021	Quick Fill Cap L12, L17 & L74
5055-54	Sight Feed Dome
2325-10	Viton Seal for L72
720-01	Buna Seal for L72
4272-89	Acetal Fill Plug for L72
2325-13	Viton Seal for L74
5301-55	Alum. Fill Plug for L73 & L74
4055-50	Sight Feed Dome for L72 Micro-fogging Design
4055-51	Sight Feed Dome for L72 Oil-fogging Design
5055-54	Sight Feed Dome for L74
5605-58	Pyrex Sight Feed Dome for L72 & L74
4380-050	Liquid Level Indicator Repair Kit for L74

Gauges

Part #	Description
GC620	0-160 PSI Gauge for R72 & B72
GC230	0-160 PSI Gauge for R73, R74, B73 & B74

Tamper Resistant Cover & Seal Wire

Install on the adjusting knob of Regulators or Filter/Regulators to help prevent unauthorized adjustment to the pressure setting. Cover can be locked in place with up to four padlocks.



Series	Part #
72	4255-51
73	4455-51
74	4355-51

Seal Wire

Install under sight feed dome on L73 and L74 lubricators to provide tamper resistant protection of the lubricator drip rate setting.



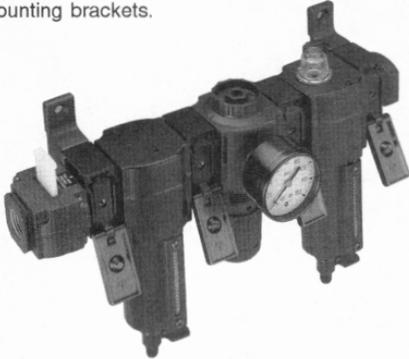
Series	Part #
73,74	2117-01



Series 1 Accessories

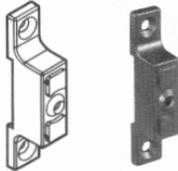
Typical Setup

Combination unit shown with clamps, end pipe adapters and wall mounting brackets.



Clamp Wall Mounting Bracket

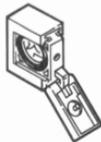
Use with the clamp to provide secure mounting to a wall, machine panel or other flat surface. 72 Series mounts with 3/16" screws; 74 Series mounts with 7/32" screws.



Series	Part #
72	4213-89
73, 74	4313-89

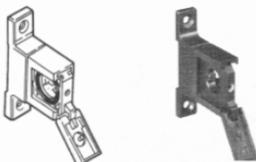
Clamp

For use with all 72, 73 & 74 Series products to provide modular installation capability. Flanges on the products slide into V grooves in the clamp. Two face-sealing O-rings in the clamp provide a positive seal when the clamp is closed and the captive screw is tightened.



Series	Part #
72 Quickclamp	4214-51
73, 74 Quickclamp	4314-51
72 Service Kit (2 O-rings)	4384-570
73, 74 Service Kit (2 O-rings)	4384-770

Clamp and Wall Mounting Bracket



Series	Part #
72	4214-52
73, 74	4314-52

Wall Mounting Bracket

For use with 72, 73 & 74 Series products to secure to a wall, machine panel or other flat surface. For use instead of quickclamps and pipe adapters for wall attachment of combination unit or individual filter, regulator or lubricator. Use close nipples to connect combination unit and then place in bracket.

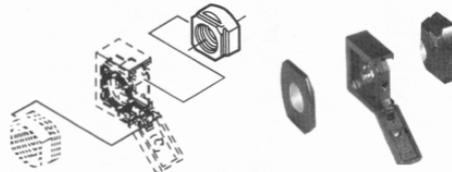


Series	Part #
72	4224-50
73	4424-50
74	4324-50
74	4324-51*

*For L74 with 1 Quart Reservoir.

Pipe Adapters

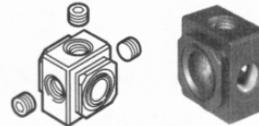
For use with clamps to provide PTF threaded connections to the system piping. Sold individually.



Series	Size	Part #
72	1/4"	4215-02
72	3/8"	4215-03
73, 74	1/4"	4315-01
73, 74	3/8"	4315-02
73, 74	1/2"	4315-03
73, 74	3/4"	4315-04

Porting Block

Installs between two clamps to provide three additional 1/4" PTF outlets for auxiliary air.



Series	Part #
72	4216-01
73, 74	4316-02

Manifold Block

Installs with clamps. 72 Series ports are threaded 3/8" PTF; 73 & 74 Series ports are threaded 3/4" PTF to provide manifolding capability for up to three components.



Series	Part #
72	4228-01
73, 74	4328-50



Series 1 Regulators 3/8" Basic



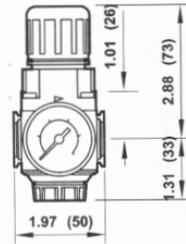
With Gauge		
Size	Part #	SCFM
1/4"	R72G-2RG	50
3/8"	R72G-3RG	50

- Adjustable 5-150 PSI
- Inlet pressure 300 PSI maximum

Without Gauge		
Size	Part #	SCFM
1/4"	R72G-2R	50
3/8"	R72G-3R	50

- In-line or modular installation
- Two 1/8" full-flow gauge ports
- Relieving type

Models supplied with a GC620 gauge.



3/8" Basic



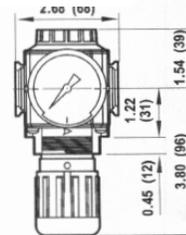
With Gauge		
Size	Part #	SCFM
1/4"	R73G-2RG	100
3/8"	R73G-3RG	100
1/2"	R73G-4RG	100

- Adjustable 5-150 PSI
- Inlet pressure 300 PSI maximum

Without Gauge		
Size	Part #	SCFM
1/4"	R73G-2R	100
3/8"	R73G-3R	100
1/2"	R73G-4R	100

- In-line or modular installation
- Two 1/4" full-flow gauge ports
- Relieving type.

Models supplied with a GC230 gauge.



1/2" Basic



With Gauge		
Size	Part #	SCFM
3/8"	R74G-3RG	200
1/2"	R74G-4RG	200
3/4"	R74G-6RG	200

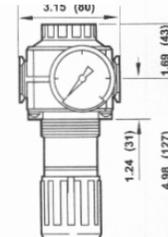
- Adjustable 5-150 PSI
- Inlet pressure 300 PSI maximum

Without Gauge		
Size	Part #	SCFM
3/8"	R74G-3R	200
1/2"	R74G-4R	200
3/4"	R74G-6R	200

- In-line or modular installation
- Two 1/4" full-flow gauge ports
- Relieving type

Models supplied with a GC230 gauge.

For 0-60 PSI range R72, R73 or R74 unit, add a L to the end of the part number.



1" Basic



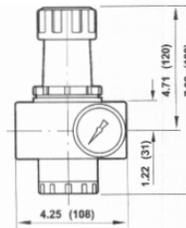
With Gauge		
Size	Part #	SCFM
3/4"	R17-600RG	240
1"	R17-800RG	400
1-1/4"	R17-A00RG	400
1-1/2"	R17-B00RG	400

- Adjustable 5-125 PSI
- Inlet pressure 300 PSI maximum

Without Gauge		
Size	Part #	SCFM
3/4"	R17-600R	240
1"	R17-800R	400
1-1/4"	R17-A00R	400
1-1/2"	R17-B00R	400

- Two 1/4" high flow capacity full-flow gauge ports
- Relieving type

Models supplied with a GC230 gauge.



2" Basic



With Gauge		
Size	Part #	SCFM
2"	R18-C05RG	2000

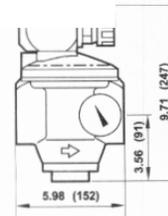
- Adjustable 5-125 PSI
- Inlet pressure 450 PSI maximum

Without Gauge		
Size	Part #	SCFM
2"	R18-C05R	2000

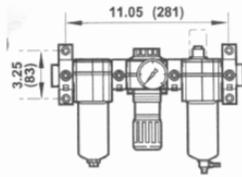
- Two 1/4" high flow capacity full-flow gauge ports
- Relieving type

Models supplied with a GC230 gauge.

SCFM ratings at 100 PSI inlet pressure.



Series 1 Combination Units

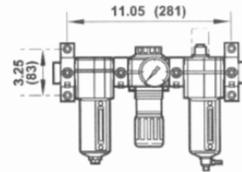


Automatic Drain			Manual Drain		
Size	Part #	SCFM	Size	Part #	SCFM
3/8"	E74-3A	140	3/8"	E74-3M	140
1/2"	E74-4A	140	1/2"	E74-4M	140
3/4"	E74-6A	140	3/4"	E74-6M	140

7 OZ. RESERVOIR

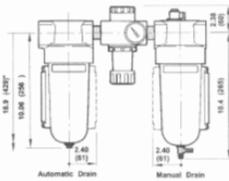


Metal bowl pictured.



Automatic Drain			Manual Drain		
Size	Part #	SCFM	Size	Part #	SCFM
3/8"	E74-3A-MB	140	3/8"	E74-3M-MB	140
1/2"	E74-4A-MB	140	1/2"	E74-4M-MB	140
3/4"	E74-6A-MB	140	3/4"	E74-6M-MB	140

- Connected modularly
- Includes 2 clamp and wall mounting brackets #4314-52, 2 clamps #4314-5 and 2 NPT pipe adapters. See modular components on pages 133-135 for other options.
- 7 OZ. RESERVOIR
- Adjustable 5-150 PSI
- Inlet pressure for transparent bowl is 150 PSI
- Inlet pressure for metal bowl is 250 PSI maximum



Automatic Drain			Manual Drain		
Size	Part #	SCFM	Size	Part #	SCFM
3/4"	P8A-660A	160	3/4"	P8A-660M	160
1"	P8A-860A	275	1"	P8A-860M	275

ONE QUART RESERVOIR



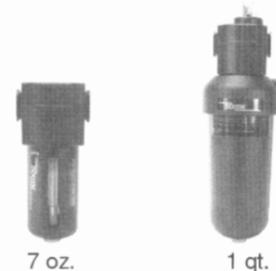
These units are intended for use in industrial compressed air systems only. They must not be used where pressure or temperature may exceed maximum rated operating conditions. See specifications. The polycarbonated plastic bowls used on these units can be damaged and possibly burst if exposed to such substances as certain solvents, strong alkalis, compressor oils that contain ester-based additives or synthetic oils. Fumes of these substances in contact with the polycarbonate bowl, externally or internally, can also result in damage. Clean with warm water only. Use metal bowl in applications where a plastic bowl might be exposed to substances that are incompatible with polycarbonates. Not for use with fluids. Combination units are supplied with micro-fog lubricators.

Desiccant Compressed Air Dryers

Metal Bowl with Guard			
Size	Bowl	Part #	SCFM
1/4"	7 OZ.	W74D-2A-MB7	5
1/4"	1 QT.	W74D-2A-MB32	10

In-line or modular installation. **1.25 LB. CAPACITY BOWL.** Quick release bayonet bowl.

- 7 OZ.:** Nominal air drying capacity 750 cubic feet at 100 PSI and 77°F. Maximum inlet pressure: 150 PSI. Maximum temperature: 175°F.
- 1 QT.:** Moisture indicator on top of body. Nominal air drying capacity 6000 cubic feet at 100 PSI and 77°F. Maximum inlet pressure: 250 PSI. Maximum temperature: 175°F.



- Compressed air dryers help to eliminate condensation at the point of use. A replaceable element filters outlet air to help prevent desiccant dust migration downstream.
- Silica gel desiccant changes color from blue to pink when desiccant replacement is needed. Desiccant can be dried and reused by heating to 275°F, or replaced. 7 oz. bowl uses 1 gel packet; 1 qt. bowl uses 5 gel packets.
- An afterfilter should be placed downstream from the desiccant dryer to ensure solid contaminants such as desiccant dust do not migrate downstream.

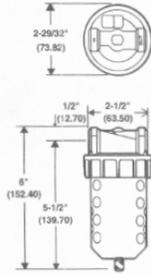
Cubic Foot ratings at 100 PSI inlet pressure.



Watts Filters

COMPACT

Polycarbonate Bowl with Plastic Bowl Guard



Automatic Drain

Size	Part #	SCFM
1/4"	F602 - 02BJR	55
3/8"	F602 - 03BJR	75

Manual Drain

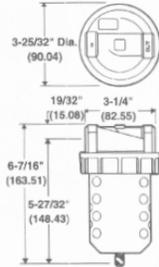
Size	Part #	SCFM
1/4"	F602 - 02BJ	55
3/8"	F602 - 03BJ	75

- 5 OZ. BOWL
- 40 micron Polypropylene element
- Zinc body

- Operating conditions:
Temperature range: 40°F (4.4°C) and 120°F (48.9°C)
Pressure range: 150 PSIG (10.2 bar) maximum

STANDARD

Polycarbonate Bowl with Plastic Bowl Guard



Automatic Drain

Size	Part #	SCFM
1/2"	F602 - 04BJR	110

Manual Drain

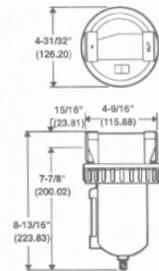
Size	Part #	SCFM
1/2"	F602 - 04BJ	110

- 8 OZ. BOWL
- 40 micron Polypropylene element
- Zinc body

- Operating conditions:
Temperature range: 40°F (4.4°C) and 120°F (48.9°C)
Pressure range: 150 PSIG (10.2 bar) maximum

STANDARD

Zinc Bowl with Sight Glass



Automatic Drain

Size	Part #	SCFM
3/4"	F602 - 06WJR	250
1"	F602 - 08WJR	340

Manual Drain

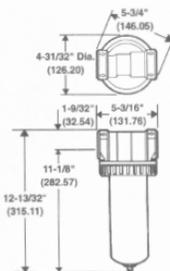
Size	Part #	SCFM
3/4"	F602 - 06WJ	250
1"	F602 - 08WJ	340

- 16 OZ. BOWL
- 40 micron Polypropylene element
- Zinc body

- Operating conditions:
Temperature range: 40°F (4.4°C) and 150°F (65.6°C)
Pressure range: 250 PSIG (17 bar) maximum

STANDARD

Zinc Bowl with Sight Glass



Automatic Drain

Size	Part #	SCFM
1-1/2"	F602 - 12WJR	380

Manual Drain

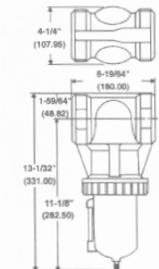
Size	Part #	SCFM
1-1/2"	F602 - 12WJ	380

- 16 OZ. BOWL
- 40 micron Polypropylene element
- Zinc body

- Operating conditions:
Temperature range: 40°F (4.4°C) and 150°F (65.6°C)
Pressure range: 250 PSIG (17 bar) maximum

STANDARD

Zinc Bowl with Sight Glass



Automatic Drain

Size	Part #	SCFM
2"	F602 - 16WJR	1125

Manual Drain

Size	Part #	SCFM
2"	F602 - 16WJ	1125

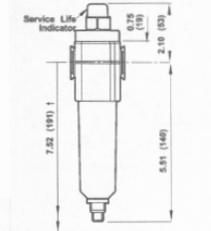
- 26 OZ. BOWL
- 40 micron Bronze element
- Aluminum body

- Operating conditions:
Temperature range: 40°F (4.4°C) and 150°F (65.6°C)
Pressure range: 250 PSIG (17 bar) maximum

SCFM ratings at 150 PSIG inlet pressure.

Series 1 Oil Removal (Coalescing) Filters

**1/4" Basic - Standard Flow
Transparent Bowl, Automatic Drain**



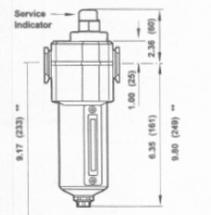
Size	Part #	SCFM Saturated Element	SCFM Dry Element
1/4"	F72C-2A	10.5	16
3/8"	F72C-3A	10.5	23

- In-line or modular installation
- Quick-release bayonet metal bowl
- Prismatic liquid level indicator lens
- Quarter turn manual drain
- Service life indicator turns from green to red when element needs to be replaced
- F72C provides *Air Quality Class 2 Hydrocarbon and Class 1 Particulate Removal* per ISO 8573-1

For maximum service life install a general purpose filter upstream of the oil removal filter.



**1/2" Basic - Standard Flow
Metal Bowl, Automatic Drain**



Size	Part #	SCFM Saturated Element	SCFM Dry Element
3/8"	F74C-3A-MB	20	70
1/2"	F74C-4A-MB	35	75

**1/2" Basic - High Flow
Metal Bowl, Automatic Drain**

Size	Part #	SCFM Saturated Element	SCFM Dry Element
1/2"	F74H-4A-MB	60	100
3/4"	F74H-6A-MB	60	120

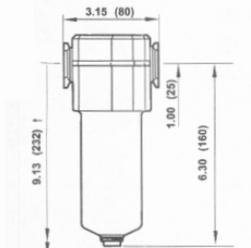
- In-line or modular installation
- Quick-release bayonet metal bowl
- Prismatic liquid level indicator
- F74C and F74H provide *Air Quality Class 2 Hydrocarbon and Class 1 Particulate Removal* per ISO 8573-1
- Element removes particles down to 0.01mm. Maximum remaining oil content of air leaving the filter is 0.01 ppm at 70°F (21°C) with an inlet concentration of 8 ppm.
- Service life indicator turns from green to red when element needs to be replaced.

For maximum service life install a general purpose filter upstream of the oil removal filter.



Series 1 Oil Removal Filters

1/2" Basic Metal Bowl



Size	Part #	SCFM
1/2"	F74V-4A-MB	21
3/4"	F74V-6A-MB	21

In-line or modular installation. Quick-release bayonet metal bowl. Activated carbon cartridge filter element absorbs oil vapors and removes most hydrocarbon odors. Filter and element designs optimizes air velocity and contact time to reduce oil content of air leaving the filter to 0.003 ppm at 70°F (21°C). Long service life of carbon cartridge element. Minimum service life of 400 hours can be expected if the vapor removal filter is protected upstream by an oil removal (coalescing) filter and if the filtration temperature is in the region of 70° to 80°F (21°C to 26°C). Above this range, oil vapor content of compressed air increases substantially and element service life is reduced. F74C and F74V combinations provide *Air Quality Class 1 Particulate Removal* per ISO 8573-1, Class 1.-1.

For maximum service life, install a general purpose filter and an oil removal filter upstream of the oil vapor removal filter.

SCFM ratings at 100 PSI inlet pressure.

