



## Dixon - Series 1 Cross Reference

Filters	
Dixon	Norgren
F07-100A	F07-100-A1TA
F07-100M	F07-100-M1TA
F07-200A	F07-200-A1TA
F07-200M	F07-200-M1TA
F17-600A	F17-600-A3DA
F17-600M	F17-600-M3DA
F17-800A	F17-800-A3DA
F17-800M	F17-800-M3DA
F17-A00A	F17-A00-A3DA
F17-A00M	F17-A00-M3DA
F17-B00A	F17-B00-A3DA
F17-B00M	F17-B00-M3DA
F18-C00A	F18-C00-A3DA
F18-C00M	F18-C00-M3DA
F72G-2A	F72G-2AN-ST3
F72G-2A-MB	F72G-2AN-SD3
F72G-2M	F72G-2AN-QT3
F72G-2M-MB	F72G-2AN-QD3
F72G-3A	F72G-3AN-ST3
F72G-3A-MB	F72G-3AN-SD3
F72G-3M	F72G-3AN-QT3
F72G-3M-MB	F72G-3AN-QD3
F73G-2A	F73G-2AN-AT3
F73G-2A-MB	F73G-2AN-AD3
F73G-2M	F73G-2AN-QT3
F73G-2M-MB	F73G-2AN-QD3
F73G-3A	F73G-3AN-AT3
F73G-3A-MB	F73G-3AN-AD3
F73G-3M	F73G-3AN-QT3
F73G-3M-MB	F73G-3AN-QD3
F73G-4A	F73G-4AN-AT3
F73G-4A-MB	F73G-4AN-AD3
F73G-4M	F73G-4AN-QT3
F73G-4M-MB	F73G-4AN-QD3
F74C-3A-MB	F74C-3AD-AD0
F74C-4A-MB	F74C-4AD-AD0
F74G-3A	F74G-3AN-AP3
F74G-3A-MB	F74G-3AN-AD3
F74G-3M	F74G-3AN-QP3
F74G-3M-MB	F74G-3AN-QD3
F74G-4A	F74G-4AN-AP3
F74G-4A-MB	F74G-4AN-AD3
F74G-4M	F74G-4AN-QP3
F74G-4M-MB	F74G-4AN-QD3
F74G-6A	F74G-6AN-AP3
F74G-6A-MB	F74G-6AN-AD3
F74G-6M	F74G-6AN-QP3
F74G-6M-MB	F74G-6AN-QD3
F74H-4A-MB	F74H-4AD-AD0
F74H-6A-MB	F74H-6AD-AD0
F74V-3A-MB	F74V-3AN-EMA
F74V-4A-MB	F74V-4AN-EMA
F74V-6A-MB	F74V-6AN-EMA

Regulators	
Dixon	Norgren
R07-100R	R07-100-RNKA
R07-100RG	R07-100-RGKA
R07-200R	R07-200-RNKA
R07-200RG	R07-200-RGKA
R11-013RG	11-002-013
R11-037RG	11-002-037
R11-061RG	11-002-061
R17-600R	R17-600-RNLA
R17-600RG	R17-600-RGLA
R17-800R	R17-800-RNLA
R17-800RG	R17-800-RGLA
R17-A00R	R17-A00-RNLA
R17-A00RG	R17-A00-RGLA
R17-B00R	R17-B00-RNLA
R17-B00RG	R17-B00-RGLA
R18-C05R	R18-C05-RNLA
R18-C05RG	R18-C05-RGLA
R43-201RG	R43-201-NGLA
R43-301RG	R43-301-NGLA
R43-406RG	R43-406-NGLA
R72G-2R	R72G-2AK-RMN
R72G-2RG	R72G-2AK-RMG
R72G-3R	R72G-3AK-RMN
R72G-3RG	R72G-3AK-RMG
R72M-2RG	R72M-2AK-RMG
R72M-3RG	R72M-3AK-RMG
R72M-2R	R72M-2AK-RMN
R72M-3R	R72M-3AK-RMN
R73G-2R	R73G-2AK-RMN
R73G-2RG	R73G-2AK-RMG
R73G-3R	R73G-3AK-RMN
R73G-3RG	R73G-3AK-RMG
R73G-4R	R73G-4AK-RMN
R73G-4RG	R73G-4AK-RMG
R74G-3R	R74G-3AK-RMN
R74G-3RG	R74G-3AK-RMG
R74G-4R	R74G-4AK-RMN
R74G-4RG	R74G-4AK-RMG
R74G-6R	R74G-6AK-RMN
R74G-6RG	R74G-6AK-RMG
R83-200R	R83-200-RNLA
R91-221RG	R91W-2AK-NGLN

Filter / Regulators	
Dixon	Norgren
B07-102AG	B07-102-A1KA
B07-102MG	B07-102-M1KA
B07-202AG	B07-202-A1KA
B07-202MG	B07-202-M1KA
B72G-2AG	B72G-2AK-ST3-RMG
B72G-2AG-MB	B72G-2AK-SD3-RMG
B72G-2MG	B72G-2AK-QT3-RMG
B72G-2MG-MB	B72G-2AK-QD3-RMG
B72G-3AG	B72G-3AK-ST3-RMG
B72G-3AG-MB	B72G-3AK-SD3-RMG
B72G-3MG	B72G-3AK-QT3-RMG
B72G-3MG-MB	B72G-3AK-QD3-RMG
B73G-2AG	B73G-2AK-AT3-RMG
B73G-2AG-MB	B73G-2AK-AD3-RMG
B73G-2MG	B73G-2AK-QT3-RMG
B73G-2MG-MB	B73G-2AK-QD3-RMG
B73G-3AG	B73G-3AK-AT3-RMG
B73G-3AG-MB	B73G-3AK-AD3-RMG
B73G-3MG	B73G-3AK-QT3-RMG
B73G-3MG-MB	B73G-3AK-QD3-RMG
B73G-4AG	B73G-4AK-AT3-RMG
B73G-4AG-MB	B73G-4AK-AD3-RMG
B73G-4MG	B73G-4AK-QT3-RMG
B73G-4MG-MB	B73G-4AK-QD3-RMG
B74G-3AG	B74G-3AK-AP3-RMG
B74G-3AG-MB	B74G-3AK-AD3-RMG
B74G-3MG	B74G-3AK-QP3-RMG
B74G-3MG-MB	B74G-3AK-QD3-RMG
B74G-4AG	B74G-4AK-AP3-RMG
B74G-4AG-MB	B74G-4AK-AD3-RMG
B74G-4MG	B74G-4AK-QP3-RMG
B74G-4MG-MB	B74G-4AK-QD3-RMG
B74G-6AG	B74G-6AK-AP3-RMG
B74G-6AG-MB	B74G-6AK-AD3-RMG
B74G-6MG	B74G-6AK-QP3-RMG
B74G-6MG-MB	B74G-6AK-QD3-RMG

- SCFM ratings are at **100 PSI** inlet pressure
- line art measurements given in inches (mm)
- FRL's are designed for air service only, unless otherwise indicated



Dixon Customer Service



Facebook Page



YouTube Videos

## Dixon - Series 1 Cross Reference

Lubricators - Micro-Fog	
Dixon	Norgren
L07-100A	L07-100-MPAA
L07-200A	L07-200-MPAA
L17-600A	L17-600-MPDA
L17-800A	L17-800-MPDA
L17-A00A	L17-A00-MPDA
L17-B00A	L17-B00-MPDA
L17-600APX	L17-646-MPDA
L17-800APX	L17-846-MPDA
L72M-2	L72M-2AP-QTN
L72M-2MB	L72M-2AP-QDN
L72M-3	L72M-3AP-QTN
L72M-3MB	L72M-3AP-QDN
L73M-2	L73M-2AP-QTN
L73M-2MB	L73M-2AP-QDN
L73M-3	L73M-3AP-QTN
L73M-3MB	L73M-3AP-QDN
L73M-4	L73M-4AP-QTN
L73M-4MB	L73M-4AP-QDN
L73M-2MBPX	L73M-2AP-DRP
L73M-3MBPX	L73M-3AP-DRP
L73M-4MBPX	L73M-4AP-DRP
L74M-3	L74M-3AP-QPN
L74M-3MB	L74M-3AP-QDN
L74M-4	L74M-4AP-QPN
L74M-4MB	L74M-4AP-QDN
L74M-6	L74M-6AP-QPN
L74M-6MB	L74M-6AP-QDN
L74M-3MBPX	L74M-3AP-DRP
L74M-4MBPX	L74M-4AP-DRP
L74M-6MBPX	L74M-6AP-DRP

Lubricators - Oil-Fog	
Dixon	Norgren
L17-600D	L17-600-OPDA
L17-800D	L17-800-OPDA
L17-A00D	L17-A00-OPDA
L17-B00D	L17-B00-OPDA
L72C-2	L72C-2AP-QTN
L72C-2MB	L72C-2AP-QDN
L72C-3	L72C-3AP-QTN
L72C-3MB	L72C-3AP-QDN
L73C-2	L73C-2AP-QTN
L73C-2MB	L73C-2AP-QDN
L73C-3	L73C-3AP-QTN
L73C-3MB	L73C-3AP-QDN
L73C-4	L73C-4AP-QTN
L73C-4MB	L73C-4AP-QDN
L74C-3	L74C-3AP-QPN
L74C-3MB	L74C-3AP-QDN
L74C-4	L74C-4AP-QPN
L74C-4MB	L74C-4AP-QDN
L74C-6	L74C-6AP-QPN
L74C-6MB	L74C-6AP-QDN

Combination Units	
Dixon	Norgren
E72-2A	C72A-2AK-ST3-RMG-QTB
E72-2A-MB	C72A-2AK-SD3-RMG-QDB
E72-2M	C72A-2AK-QT3-RMG-QTB
E72-2M-MB	C72A-2AK-QD3-RMG-QDB
E72-3A	C72A-3AK-ST3-RMG-QTB
E72-3A-MB	C72A-3AK-SD3-RMG-QDB
E72-3M	C72A-3AK-QT3-RMG-QTB
E72-3M-MB	C72A-3AK-QD3-RMG-QDB
E73-2A	C73A-2AK-AT3-RMG-QTB
E73-2A-MB	C73A-2AK-AD3-RMG-QDB
E73-2M	C73A-2AK-QT3-RMG-QTB
E73-2M-MB	C73A-2AK-QD3-RMG-QDB
E73-3A	C73A-3AK-AT3-RMG-QTB
E73-3A-MB	C73A-3AK-AD3-RMG-QDB
E73-3M	C73A-3AK-QT3-RMG-QTB
E73-3M-MB	C73A-3AK-QD3-RMG-QDB
E73-4A	C73A-4AK-AT3-RMG-QTB
E73-4A-MB	C73A-4AK-AD3-RMG-QDB
E73-4M	C73A-4AK-QT3-RMG-QTB
E73-4M-MB	C73A-4AK-QD3-RMG-QDB
E74-3A	C74A-3AK-AT3-RMG-QPB
E74-3A-MB	C74A-3AK-AD3-RMG-QDB
E74-3M	C74A-3AK-QT3-RMG-QPB
E74-3M-MB	C74A-3AK-QD3-RMG-QDB
E74-4A	C74A-4AK-AT3-RMG-QPB
E74-4A-MB	C74A-4AK-AD3-RMG-QDB
E74-4M	C74A-4AK-QT3-RMG-QPB
E74-4M-MB	C74A-4AK-QD3-RMG-QDB
E74-6A	C74A-6AK-AT3-RMG-QPB
E74-6A-MB	C74A-6AK-AD3-RMG-QDB
E74-6M	C74A-6AK-QT3-RMG-QPB
E74-6M-MB	C74A-6AK-QD3-RMG-QDB
P1A-100A	P1A-100-A1AA
P1A-100M	P1A-100-M1AA
P1A-200A	P1A-200-A1AA
P1A-200M	P1A-200-M1AA
P8A-660A	P8A-660-A3DA
P8A-660M	P8A-660-M3DA
P8A-860A	P8A-860-A3DA
P8A-860M	P8A-860-M3DA
PTH-100AG	PTH-100-A1AA
PTH-200AG	PTH-200-A1AA

### Safety Statement

Dixon's couplings and retention devices are designed to work safely for their intended use. The selection of the proper hose, coupling and retention device, and the proper application of the coupling to the hose are of utmost importance.

Users must consider the size, temperature, application, media, pressure and hose and coupling manufacturer's recommendations when selecting the proper hose assembly components. Dixon recommends that all hose assemblies be tested in accordance with the Association for Rubber Products Manufacturer's (ARPM) recommendations and be inspected regularly (before each use) to ensure that they are not damaged or have become loose. Visit [ARPMINC.com](http://ARPMINC.com) for more information.

Where safety devices are integral to the coupling, they must be working and utilized. The use of supplementary safety devices such as safety clips or safety cables are recommended.

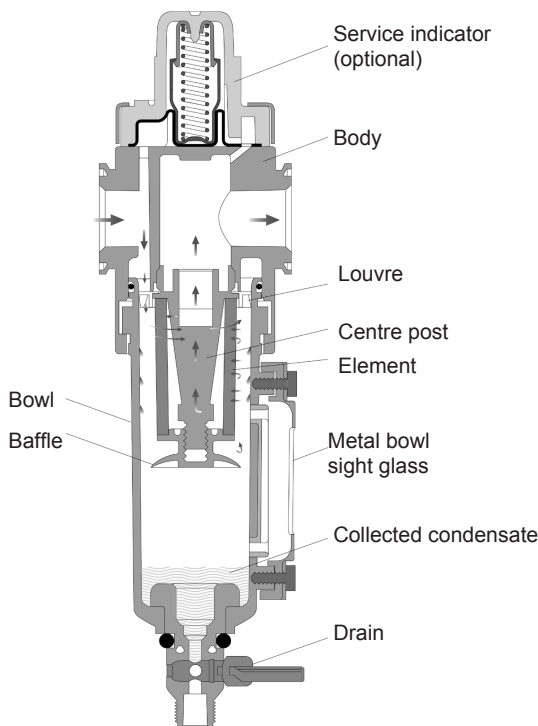
If any problem is detected, couplings must be removed from service immediately.

Dixon is available to consult, train and recommend the proper selection and application of all fittings we sell. We strongly recommend that distributors and end users make use of Dixon's testing and recommendation services. Call 877.963.4966 or visit [dixonvalve.com](http://dixonvalve.com) learn more.

## Filter Overview

Three main types of filters exist: The *general purpose filter* for water and particles, the *coalescing oil removal filter* for oil aerosols and the *activated carbon filter* for the removal of oil vapors. The general purpose filter is used for most filter applications and is available from 1/8" to 2" pipe sizes. Uses are main headers, branch lines, tools, cylinders, valves and valve circuits, air agitators etc. Oil removal filters are used where very clean, oil-free air is required, such as for the supply to instrumentation, air gauging equipment and air bearings. Activated carbon filters are used for systems where the oil vapors in the air are not acceptable; such as instrumentation and paint spraying.

### General Purpose Filter



#### How Do General Purpose Filters Work?

The dirt and moisture-laden air enters the inlet port and is directed into the louvres which centrifugally separate the entrapped liquids and dirt which fall to the bottom of the bowl. Near the bottom of the bowl a baffle creates a quiet zone, preventing the turbulent air re-entrapping the contaminants. The air, now free of water droplets and large dirt particles, passes through the filter element which removes small dirt particles.

#### How Do Oil Removal Filters Work?

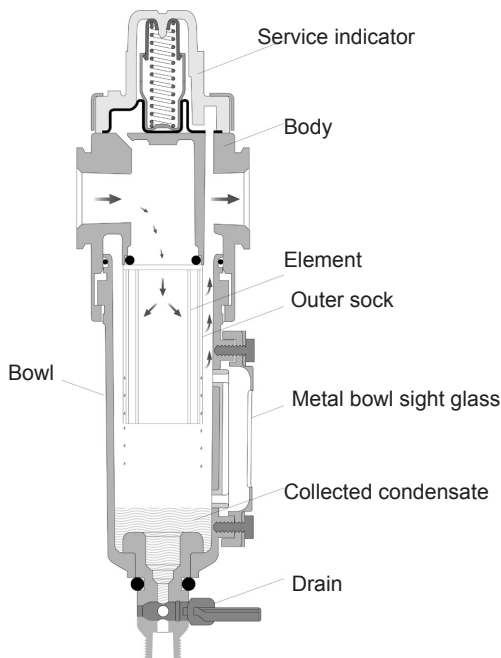
The fine oil mist is coalesced (merged) as it passes through the fine fibrous filtration media. These oil droplets are collected in the outer sock and then drop from the element to the bottom of the bowl for easy removal.

Where a coalescing filter is being used for oil removal, the element quickly becomes saturated which is clearly visible on the outer sock. This is the normal operating condition for oil removal.

#### How do Vapor Removal Filters Work?

Carbon filters are used to remove oil vapors (odors). The activated carbon has a porous structure which results in a large surface area. The oil vapors are attracted and adhere to this surface. There is usually a small sintered medium included in an activated carbon element to prevent the carbon particles from migrating downstream. The carbon filter reduces the maximum oil content of air leaving the filter to 0.003 ppm at 70°F, for example to ISO 8573 class 1.7.1.

### Coalescing Filter



#### Why use a Pre-Filter?

A pre-filter is simply a general purpose filter placed upstream of a higher grade filter to remove the majority of the water and larger particle contaminants and thus lengthen the life of the higher grade filter element. A 5 micron pre-filter should always be used ahead of an oil or vapor removal filter.

## Regulator Overview

Regulators ideally provide a constant outlet pressure independent of variations in inlet pressure or flow.

Regulators are typically used to:

- a) reduce pressure to the level required for downstream equipment
- b) limit the force of cylinders
- c) minimize pressure variation at the point of use

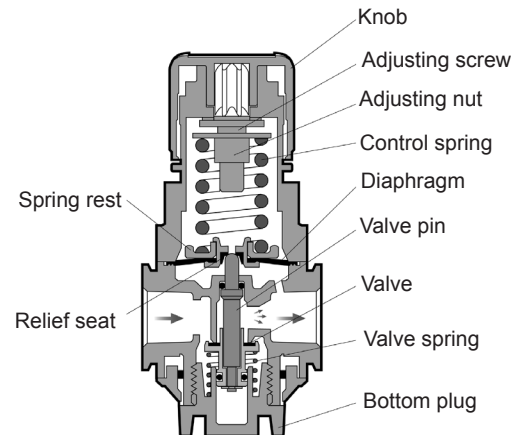
The range of different regulators and options within each type are wide and varied, but each can broadly be put into one of 3 categories.

- general purpose regulators
- pilot operated regulators
- application specific regulators

### General Purpose Regulators

General purpose regulators are designed to give the maximum flow capacity (for their size) while maintaining, to a reasonable accuracy, the outlet pressure to the set level. They are used to control pressures in compressed air line installations to different parts of machines or to pneumatic tools and motors. General purpose regulators are available in relieving or non-relieving types. Relieving regulators can be adjusted from a high pressure to a low pressure. Even in a dead end situation relieving regulators will allow the excess downstream pressure to be exhausted. This causes a loud hissing sound which is perfectly normal. Non-relieving regulators when similarly adjusted will not allow the downstream pressure to escape. The trapped air will need to be released in some other way, for example by operating a downstream valve. General purpose regulators have a control spring which acts on a diaphragm to regulate the air pressure. The rating of this control spring determines the adjustment range of the regulator. The outlet pressure setting is obtained by turning the knob (or T handle) clockwise to increase pressure, counter clockwise to decrease pressure.

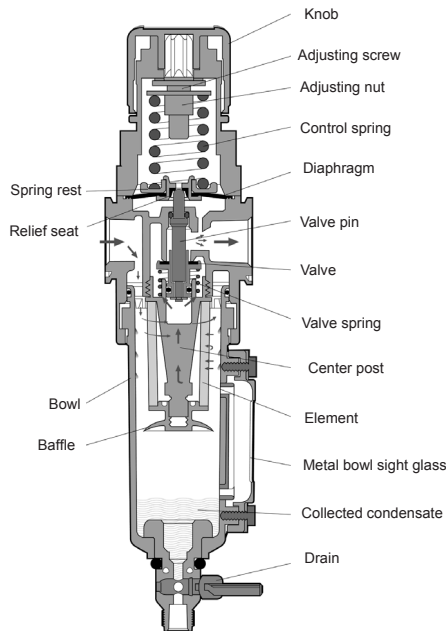
### General Purpose Regulator





## Lubricator Overview

### General Purpose Filter/Regulator



Filter/regulators combine the features of a filter and regulator with a single compact body. Air passes through the filter section first removing water and particle contaminants, and is then regulated by the top regulator section.

See individual filter and regulator sections for details.

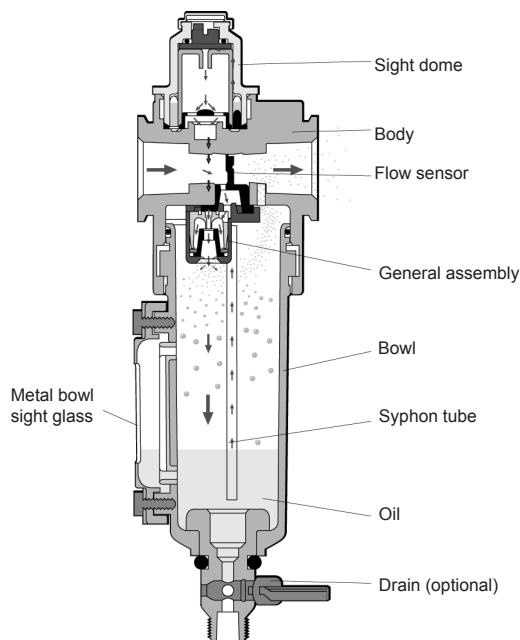
### Performance Characteristics

The regulator section of the filter/regulator determines the flow and regulation characteristics of the unit. Flow is therefore measured in terms of pressure drop from set pressure (see regulators) and not flow versus pressure drop as in a filter. Regulation characteristics are determined in the same way as regulators.

Dixon offers two main types of lubricators: Micro-Fog and Oil-Fog. These units are mounted directly into the pipe and add small amounts of oil to the air flowing through them.

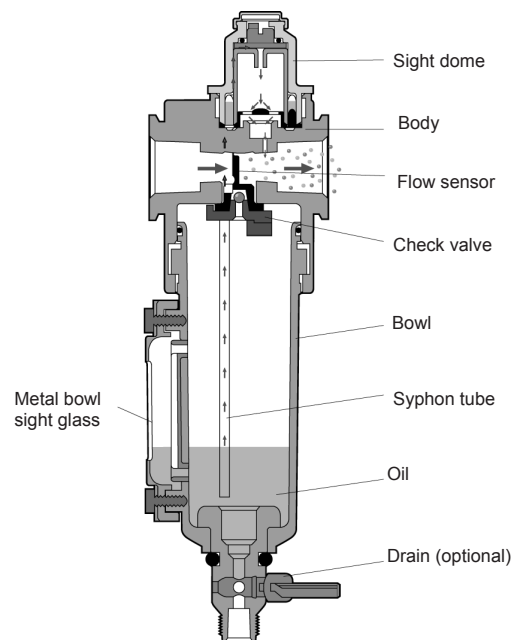
### Micro-Fog Lubricators

The oil droplets seen in the sight dome are atomized and collected in the area above the oil in the bowl. The smaller lighter particles are drawn into the air flow and pass downstream. As a result typically only 10% of the oil seen as drops in the sight dome is passed downstream. The remainder falls back into the oil reservoir. Consequently, drip rate settings are somewhat higher than their oil-fog equivalent. This makes setting much easier, particularly in low flow applications. The fine micro-fog oil particles can travel long distances through complex pipe work making micro-fog lubricators suitable for multiple valve and cylinder circuits.



### Oil Fog-Lubricators

All the oil droplets seen in the sight dome are added directly into the air flow. This results in relatively large oil droplets passing downstream, suitable for heavy lubrication applications, for example single cylinders and tools. Most competitive in line lubricators are of the oil-fog type.



## What Are The Differences Between Micro-Fog and Oil-Fog?

### Micro-Fog:

- small oil particles; less than 2 micron
- only 10% of 'drip rate' is delivered downstream as active lubricant (remainder is returned to main oil reservoir)
- high drip rates make drip setting easier in low flow applications
- can be mounted above or below the point of application
- cannot be filled without shutting off upstream air (unless a quick fill cap or remote fill device is used)
- for use with lengthy air lines, multiple valve and cylinder circuits
- has a flow sensor to provide an almost constant oil output density for varying flows
- filling method:
  - the micro-fog unit can only be filled without isolating the upstream pressure if a remote fill or quick fill nipple accessory is fitted
  - to remove the fill plug of a micro-fog lubricator while under pressure can be dangerous
  - if in doubt shut off the upstream air

### Oil-Fog:

- large oil particles not as fine as micro-fog
- all oil drips seen in sight domes are delivered downstream.
- for applications over short distances
- should be mounted at same level or higher than device being lubricated
- standard bowls can be filled under pressure (not on rapid cycle units)
- suitable for heavy lubrication applications, for example single large cylinders and tools
- has a flow sensor which provides constant oil output density for varying flows
- filling method:
  - the oil-fog lubricators can be filled under pressure, for example, without switching off the upstream air
  - when a fill plug is removed a check valve in the lubricator body isolates the inlet pressure from the bowl and the reservoir will depressurize
  - the lubricator can then be filled with oil
  - when the fill plug is replaced, the reservoir will repressurize

### Can Oil-Fog and Micro-Fog Units be Converted?

Generally not, simply changing a green (oil-fog) sight dome for a red (micro-fog) sight dome does not change the function. Some lubricators are designed around a cartridge insert. In this case it may be possible to swap the cartridge and sight domes to change the function.

## Setting Lubricator Drip Rates

### What is the Correct Drip Rate Setting?

The drip rate will depend on the application, the amount of lubrication required, the flow through the lubricator and the lubricator type. In micro-fog lubricators only 10% of the droplets in the sight dome are carried downstream. The drip rate in micro-fog lubricators therefore tends to be much higher. The following table can be used to estimate drip rate for required flow. This is very much a rule of thumb. In practice it is necessary to fine tune the oil drip rate in each application.

Typical Drip Rate per minute micro-fog	Typical Drip Rate per minute oil-fog	Approximate flow scfm (dm <sup>3</sup> /s)
20	2	10 (5)
40	4	20 (10)
60	6	30 (15)
80	8	40 (20)
100	10	50 (25)
120	12	60 (30)

### Can the Drip Rate be Shut Off?

In lubricators with needle valve type sight dome, yes. Some Norgren sight domes use a felt pad which is soaked in oil at the point where the drops are formed. With this type of sight dome the oil droplets cease once the felt pad dries out. With the new style dome (L72/73/74 and L07) complete shut off is not possible. Minimum adjustment for the drip rate is around 1 drop per minute.

## Simple Filter Troubleshooting

Malfunction	Possible Cause	Remedy
<b>Excessive pressure drop</b>	Micron rating of element too small	Use larger micron element size for application.
	Filter element blocked	1. Clean element (not coalescing element). 2. Replace with new element.
	Flow requirement greater than filter capacity.	Use larger filter
<b>Dirt passing through filter</b>	Element seals missing or defective (N.B. seals not required on some units).	1. Replace seal 2. Tighten element
	Damaged element	Replace element
<b>Water passing through filter</b>	Water level in bowl above baffle	Drain water
	Flow capacity of filter exceeded	Maintain flow within capacity of filter or change to filter capable of handling desired flows.
<b>Crazing of Polycarbonate bowl or milky appearance</b>	Bowl has been cleaned with incompatible fluid	Replace bowl (Clean only with clean warm water and soap.)
	Bowl is being used in an area containing fumes or vapors incompatible with polycarbonate.	Replace bowl Eliminate source of problem or convert from plastic to metal bowls.
	Compressor oil vapor may be causing problem	Replace bowl Eliminate source of problem or convert from plastic to metal bowls.
	Air intake to compressor may contain fumes or vapor incompatible with polycarbonate.	Replace bowl Eliminate source of problem or convert from plastic to metal bowls.
<b>Water beyond the filter</b>	Inlet air has a high temperature and as it cools downstream, moisture condenses to water.	Fit dryer, pre-cool air or fit filter immediately prior to application.



## Simple Regulator Troubleshooting

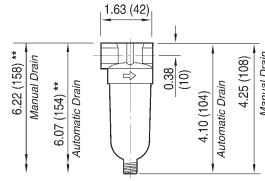
Problem	Problem Cause	Remedy
<b>Regulator creep (increase in secondary pressure due to leak from primary)</b>	Dirty or cut valve elastomers. Nick in valve seat.	Replace or clean valve. If body or valve seat is damaged it can be replaced on some models. On others replacement of complete regulator is required.
<b>Won't relieve secondary pressure</b>	Non-relieving diaphragm assembly.	If this feature is required, replace with relieving type diaphragm assembly.
<b>Won't reach desired pressure</b>	Regulating spring with low spring rate.	Use regulating spring with spring rate designed to cover desired range.
<b>Excessive leak from relief hole</b>	Damaged relief seat. Ruptured diaphragm.	Replace diaphragm assembly.
	Leakage past valve causing secondary to increase somewhat and open relief seat.	Replace or clean valve.
<b>Regulator chatter</b>	A resonant condition is generally only encountered under a certain set of conditions of flow and pressure and then only in some applications in which regulator couples with other system components.	Replace spring with a higher pressure range spring. Replace with a piston type regulator since they have less tendency to chatter.
	Adjusting screw or knob locking device in locked position.	Pull to unlock knob and adjust; push knob to lock.
<b>Regulator difficult to adjust</b>		Threaded adjusting screws: loosen lock nut, remove adjusting screw, clean thread and lubricate.
	Contaminants in adjusting screw threads.	Place some lubricant on tip of screw.

## Simple Lubricator Troubleshooting

Problem	Problem Cause	Remedy
<b>No drip rate</b>	Oil adjustment knob fully clockwise	Readjust knob.
	Low oil level	Check oil level.
	Airflow through lubricator too low	Use smaller size lubricator.
		Remove bowl and sight feed adjustment dome and clear syphon tube.
	Blocked oil filter screen	Remove sight feed adjustment dome and clean or replace screen located in dome assembly.
	Air leaks	Check bowl, filler plug and sight dome seals. Tighten if necessary.
<b>Oil foaming</b>	Over aeration	Check bowl seals for slight leaks.
<b>Oil emulsified</b>	Water in lubricator	Fit filter immediately upstream.
<b>Drip rate changes after setting</b>	Fade	Readjust drip rate.

Dixon offers the Series 1 line of Miniature Filters, Filter/Regulators, Regulators and Lubricators in prepackaged clear plastic units suitable for hanging on store peg racks or displays. The primary features of each unit are printed on the packaging. Each package contains one Miniature Filter, Filter/Regulator, Regulator or Lubricator and instruction sheet.

## F07 Carded Miniature Filters



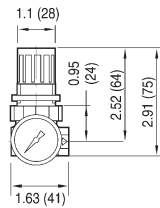
\*\* minimum clearance required to remove bowl

### Features:

- 5 micron element
- 1 oz. reservoir
- inlet pressure **150 PSI** maximum
- maximum temperature: **125°F (52°C)**
- transparent bowl

Port Size	Flow (SCFM)	Automatic Drain Part #	Manual Drain Part #
1/4"	24	<b>F07-200AC</b>	<b>F07-200MC</b>

## R07 Carded Miniature Regulators

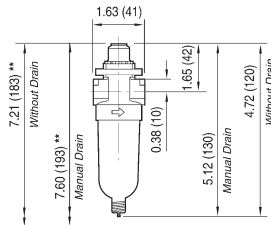


### Features:

- pressure range 5-100 PSI
- relieving type
- inlet pressure **250 PSI** maximum
- maximum temperature: **150°F (66°C)**
- supplied with a GC620 gauge

Port Size	Flow (SCFM)	with Gauge Part #
1/4"	15	<b>R07-200RGC</b>

## L07 Carded Miniature Lubricators



\*\* minimum clearance required to remove bowl

### Features:

- 1 oz. reservoir
- inlet pressure **150 PSI** maximum
- maximum temperature: **125°F (52°C)**

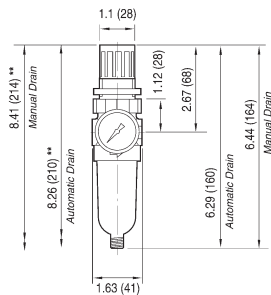
Port Size	Flow (SCFM)	with Transparent Bowl Part #
1/4"	15	<b>L07-200AC</b>

SCFM ratings given at 100 PSIG inlet pressure for regulators, 90 PSIG all others.



FRL's are designed for air service only, unless otherwise indicated.

## B07 Carded Miniature Filter/Regulators



\*\* minimum clearance required to remove bowl

### Features:

- pressure range 5-100 PSI
- relieving type
- 5 micron element
- 1 oz. reservoir
- push to lock adjusting knob
- inlet pressure **150 PSI** maximum
- maximum temperature: **125°F (52°C)**
- supplied with a GC620 gauge
- bowl guard not available
- transparent bowl

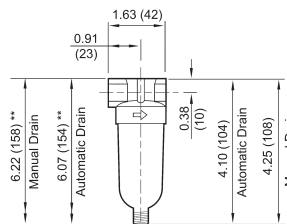
Port Size	Flow (SCFM)	Automatic Drain Part #	Manual Drain Part #
1/4"	14	<b>B07-202AGC</b>	<b>B07-202MGC</b>

SCFM ratings given at 150 PSIG inlet pressure.

### F07 Miniature Filters

- 5 micron element
- 1 oz. reservoir
- inlet pressure **150 PSI** maximum
- maximum temperature: **125°F (52°C)**
- transparent bowl

Port Size	Flow (SCFM)	Automatic Drain Part #	Manual Drain Part #
1/8"	19	<b>F07-100A</b>	<b>F07-100M</b>
1/4"	24	<b>F07-200A</b>	<b>F07-200M</b>



\*\* minimum clearance to remove bowl

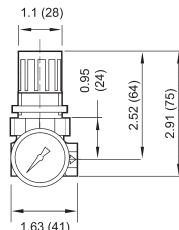


SCFM ratings given at 90 PSIG inlet pressure.

### R07 Miniature Regulators

- pressure range 5-100 PSI
- relieving type
- inlet pressure **300 PSI** max.
- maximum temperature: **150°F (66°C)**
- regulation at flows up to 22 SCFM at 100 PSIG
- RG models supplied with a GC620 gauge
- panel nut not included

Port Size	Flow (SCFM)	with Gauge Part #	without Gauge Part #
1/8"	14	<b>R07-100RG</b>	<b>R07-100R</b>
1/4"	15	<b>R07-200RG</b>	<b>R07-200R</b>

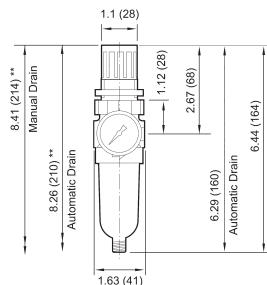


SCFM ratings given at 100 PSIG inlet pressure.

### B07 Miniature Filter / Regulators

- pressure range 5-100 PSI
- relieving type
- 5 micron element
- 1 oz. reservoir
- push to lock adjusting knob
- inlet pressure **150 PSI** maximum
- maximum temperature: **125°F (52°C)**
- supplied with a GC620 gauge
- bowl guard not available
- transparent bowl

Port Size	Flow (SCFM)	Automatic Drain Part #	Manual Drain Part #
1/8"	13	<b>B07-102AG</b>	<b>B07-102MG</b>
1/4"	24	<b>B07-202AG</b>	<b>B07-202MG</b>

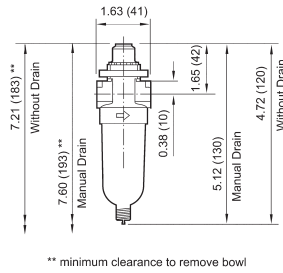


\*\* minimum clearance to remove bowl



SCFM ratings given at 150 PSIG inlet pressure.

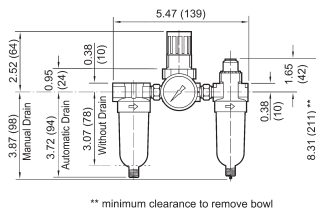
## L07 Miniature Lubricators



- 1 oz. reservoir
- inlet pressure **150 PSI** maximum
- maximum temperature: **125°F (52°C)**

Port Size	Flow (SCFM)	Transparent Bowl Part #
1/8"	10	<b>L07-100A</b>
1/4"	14	<b>L07-200A</b>

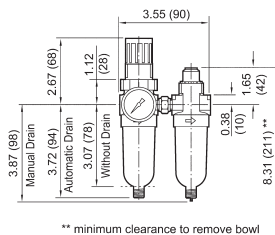
## P1A Miniature Combination Units



- pressure range 5-125 PSI
- 1 oz. reservoir
- supplied with a GC620 gauge
- inlet pressure **150 PSI** maximum
- maximum temperature: **125°F (52°C)**
- transparent bowl

Port Size	Flow (SCFM)	Automatic Drain Part #	Manual Drain Part #
1/8"	10	<b>P1A-100A</b>	<b>P1A-100M</b>
1/4"	14	<b>P1A-200A</b>	<b>P1A-200M</b>

## PTH Miniature Combination Units



- pressure range 5-125 PSI
- requires only 2 pipe connections
- inlet pressure **150 PSI** maximum
- maximum temperature: **125°F (52°C)**
- transparent bowl

Port Size	Flow (SCFM)	Automatic Drain Part #
1/8"	10	<b>PTH-100AG</b>
1/4"	14	<b>PTH-200AG</b>

## Series 1 Non-Repairable General Purpose Regulators



### Features:

- relieving piston allows reduction of downstream pressure when system is dead-ended
- reliable pressure regulation at air flows up to 13 SCFM
- left to right flow
- 5 to 125 PSIG outlet pressure adjustment range
- compact design and light weight construction
- wrench flats for easy installation
- supplied with a GC620 gauge

Female NPT	With Gauge Part #	Without Gauge Part #
1/4"	<b>R46-200RG</b>	<b>R46-200R</b>

SCFM ratings at 100 PSIG inlet pressure for regulators, 90 PSIG all others.

## F72 Sub-Compact Airline Filters

### Features:

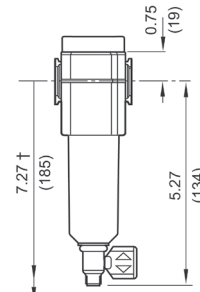
- particle removal per ISO 8573-1, Class 5 and Class 3
- 40 micron element
- 2 oz. reservoir
- quick-release bayonet bowl
- prismatic lens liquid level indicator
- inlet pressure:
  - transparent bowl: **150 PSI** and **125°F (52°C)**
  - metal bowl: **250 PSI** and **150°F (66°)**

### Transparent Bowl

Port Size	Flow (SCFM)	Semi-Automatic Drain Part #	Manual Drain Part #
1/4"	55	<b>F72G-2A</b>	<b>F72G-2M</b>

### Metal Bowl and Sight Glass

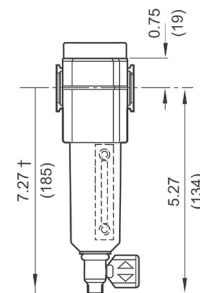
Port Size	Flow (SCFM)	Semi-Automatic Drain Part #	Manual Drain Part #
1/4"	55	<b>F72G-2A-MB</b>	<b>F72G-2M-MB</b>



† Minimum clearance to remove bowl



with transparent bowl



† Minimum clearance to remove bowl



with metal bowl



FRL's are designed for air service only, unless otherwise indicated.

## F73 Compact Airline Filters

### Features:

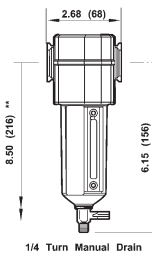
- particle removal per ISO 8573-1, Class 5 and Class 3
- 40 micron element
- 4 oz. reservoir
- quick-release bayonet bowl
- prismatic lens liquid level indicator
- inlet pressure:
  - transparent bowl: **150 PSI** and **125°F (52°C)**
  - metal bowl: **250 PSI** and **175°F (79°C)**

### Transparent Bowl

Port Size	Flow (SCFM)	Automatic Drain Part #	Manual Drain Part #
1/4"	53	<b>F73G-2A</b>	<b>F73G-2M</b>
3/8"	65	<b>F73G-3A</b>	<b>F73G-3M</b>
1/2"	69	<b>F73G-4A</b>	<b>F73G-4M</b>

### Metal Bowl and Sight Glass

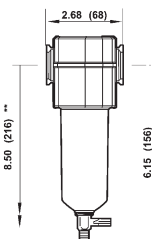
Port Size	Flow (SCFM)	Automatic Drain Part #	Manual Drain Part #
1/4"	53	<b>F73G-2A-MB</b>	<b>F73G-2M-MB</b>
3/8"	65	<b>F73G-3A-MB</b>	<b>F73G-3M-MB</b>
1/2"	69	<b>F73G-4A-MB</b>	<b>F73G-4M-MB</b>



\*\* Minimum clearance required to remove bowl.



with metal bowl



\*\* Minimum clearance required to remove bowl.



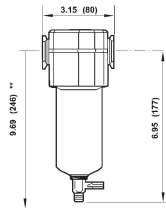
with transparent bowl



## F74 Standard Airline Filters



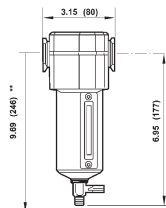
with transparent bowl



\*\* Minimum clearance required to remove bowl.



with metal bowl



\*\* Minimum clearance required to remove bowl.

### Features:

- particle removal per ISO 8573-1, Class 5 and Class 3
- 40 micron element
- 7 oz. reservoir
- quick-release bayonet bowl
- prismatic lens liquid level indicator
- inlet pressure:
  - transparent bowl: **150 PSI** and **125°F (52°C)**
  - metal bowl: **250 PSI** and **175°F (79°C)**

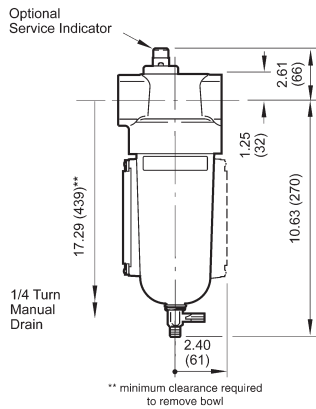
### Transparent Bowl and Guard

Port Size	Flow (SCFM)	Automatic Drain Part #	Manual Drain Part #
3/8"	112	<b>F74G-3A</b>	<b>F74G-3M</b>
1/2"	140	<b>F74G-4A</b>	<b>F74G-4M</b>
3/4"	140	<b>F74G-6A</b>	<b>F74G-6M</b>

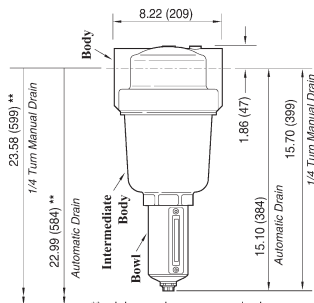
### Metal Bowl and Sight Glass

Port Size	Flow (SCFM)	Automatic Drain Part #	Manual Drain Part #
3/8"	112	<b>F74G-3A-MB</b>	<b>F74G-3M-MB</b>
1/2"	140	<b>F74G-4A-MB</b>	<b>F74G-4M-MB</b>
3/4"	140	<b>F74G-6A-MB</b>	<b>F74G-6M-MB</b>

## F17 Jumbo Airline Filters



\*\* minimum clearance required to remove bowl



\*\* minimum clearance required to remove bowl

### Features:

- general purpose with low pressure drop and excellent water removal characteristics
- 40 micron element
- 1 qt. reservoir
- inlet pressure: **250 PSI** and **175°F (79°C)**

### Metal Bowl and Sight Glass

Port Size	Flow (SCFM)	Automatic Drain Part #	Manual Drain Part #
3/4"	325	<b>F17-600A</b>	<b>F17-600M</b>
1"	425	<b>F17-800A</b>	<b>F17-800M</b>
1 1/4"	425	<b>F17-A00A</b>	<b>F17-A00M</b>
1 1/2"	425	<b>F17-B00A</b>	<b>F17-B00M</b>

### Features:

- 40 micron element
- quick-release bayonet bowl
- prismatic lens liquid level indicator
- 7 oz. reservoir
- inlet pressure: **250 PSI** and **175°F (79°C)**

### Metal Bowl and Sight Glass

Port Size	Flow (SCFM)	Automatic Drain Part #	Manual Drain Part #
2"	1400	<b>F18-C00A</b>	<b>F18-C00M</b>

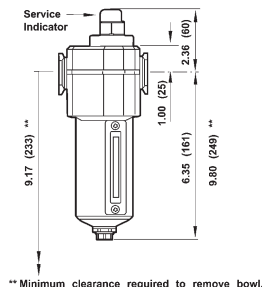
SCFM ratings at 90 PSIG inlet pressure.

FRL's are designed for air service only, unless otherwise indicated.

### F74 Oil Removal Filters

**Features:**

- provides 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
- for maximum service life install a general purpose filter upstream of the oil removal filter
- service life indicator turns from green to red when element needs to be replaced
- in-line or modular installation
- quick-release bayonet bowl
- prismatic lens liquid level indicator
- inlet pressure: **250 PSI and 150°F (66°C)**

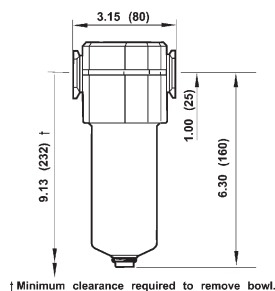


Port Size	Flow (SCFM) Saturated	SCFM Dry	Automatic Drain Part #
3/8"	35	70	<b>F74C-3A-MB</b>
1/2"	35	75	<b>F74C-4A-MB</b>
1/2"	60	100	<b>F74H-4A-MB</b>
3/4"	60	120	<b>F74H-6A-MB</b>

### F74 Oil Vapor Removal Filters

**Features:**

- provides air quality class 1 particulate removal per ISO 8573-1, when used with the F74C series
- 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)**
- for maximum service life install a general purpose filter and an oil removal filter upstream of the oil vapor removal filter
- 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° to 26°C)**; above this range, oil vapor content of compressed air increases substantially and element service life is reduced
- carbon cartridge element provides long service life
- activated carbon cartridge filter element absorbs oil vapors and removes most hydrocarbon odors
- in-line or modular installation
- quick-release bayonet bowl
- inlet pressure: **250 PSI and 150°F (66°C)**
- metal bowl

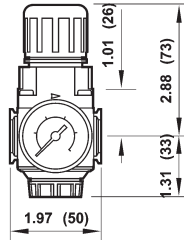


Port Size	Flow (SCFM)	Automatic Drain with Metal Bowl Part #
3/8"	21	<b>F74V-3A-MB</b>
1/2"	21	<b>F74V-4A-MB</b>

SCFM ratings at 90 PSIG inlet pressure.

FRL's are designed for air service only, unless otherwise indicated.

## R72 Sub-Compact Regulators

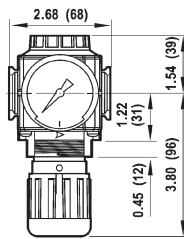


### Features:

- pressure range 5-150 PSI
- inlet pressure: **300 PSI**
- maximum temperature: **150°F (66°C)**
- in-line or modular installation
- two full flow 1/8" NPT gauge ports
- RG models supplied with GC620 gauge
- consult Dixon® to order 0-60 PSI range

Port Size	Flow (SCFM)	with Gauge Part #	without Gauge Part #
1/4"	70	<b>R72G-2RG</b>	<b>R72G-2R</b>
3/8"	70	<b>R72G-3RG</b>	<b>R72G-3R</b>

## R73 Compact Regulators



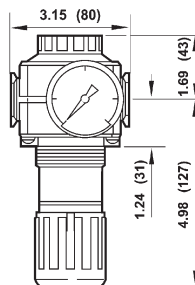
### Features:

- pressure range 5-150 PSI
- inlet pressure: **300 PSI**
- maximum temperature: **150°F (66°C)**
- in-line or modular installation
- relieving type
- two full flow 1/4" NPT gauge ports
- RG models supplied with GC230 gauge
- consult Dixon® to order 0-60 PSI range

Port Size	Flow (SCFM)	with Gauge Part #	without Gauge Part #
1/4"	91	<b>R73G-2RG</b>	<b>R73G-2R</b>
3/8"	144	<b>R73G-3RG</b>	<b>R73G-3R</b>
1/2"	144	<b>R73G-4RG</b>	<b>R73G-4R</b>

SCFM ratings given at 150 PSIG inlet pressure

## R74 Standard Regulators



### Features:

- pressure range 5-150 PSI
- inlet pressure: **300 PSI**
- maximum temperature: **150°F (66°C)**
- in-line or modular installation
- relieving type
- two full flow 1/4" NPT gauge ports
- RG models supplied with GC230 gauge
- consult Dixon® to order 0-60 PSI range

Port Size	Flow (SCFM)	with Gauge Part #	without Gauge Part #
3/8"	208	<b>R74G-3RG</b>	<b>R74G-3R</b>
1/2"	220	<b>R74G-4RG</b>	<b>R74G-4R</b>
3/4"	220	<b>R74G-6RG</b>	<b>R74G-6R</b>

FRL's are designed for air service only, unless otherwise indicated.

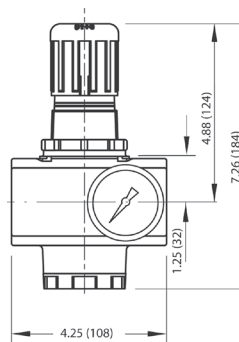
### R17, R18 Jumbo Regulators

**Features:**

- pressure range 5-125 PSI
- inlet pressure: **300 PSI**
- maximum temperature: **175°F (79°C)**
- in-line or modular installation
- relieving type
- two full-flow 1/4" NPT gauge ports
- RG models supplied with GC230 gauge

Port Size	Flow (SCFM)	with Gauge Part #	without Gauge Part #
3/4"	440	<b>R17-600RG</b>	<b>R17-600R</b>
1"	480	<b>R17-800RG</b>	<b>R17-800R</b>
1 1/4"	400	<b>R17-A00RG</b>	<b>R17-A00R</b>
1 1/2"	440	<b>R17-B00RG</b>	<b>R17-B00R</b>

SCFM ratings given at 150 PSIG inlet pressure

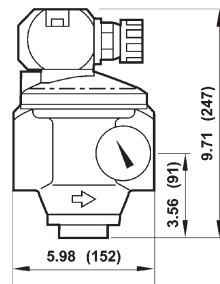


**Features:**

- 5-125 PSI range
- inlet pressure: **450 PSI**
- maximum temperature: **175°F (79°C)**
- relieving type
- two full flow 1/4" NPT gauge ports
- RG model supplied with GC230 gauge

Port Size	Flow (SCFM)	with Gauge Part #	without Gauge Part #
2"	2000	<b>R18-C05RG</b>	<b>R18-C05R</b>

SCFM ratings given at 100 PSIG inlet pressure

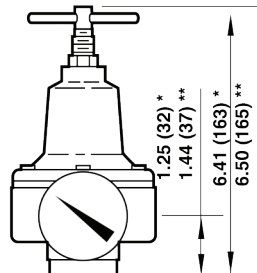


### R11 General T-Handle Regulators

**Features:**

- floating valve pin provides positive seating and dependability
- large diaphragm provides quick response to flow demands and line pressure changes
- balanced valve reduces inlet pressure variations on outlet pressure
- pressure range 5-125 PSI
- inlet pressure: **400 PSI**
- maximum temperature: **175°F (79°)**
- T-handle adjustment
- supplied with GC620 gauge

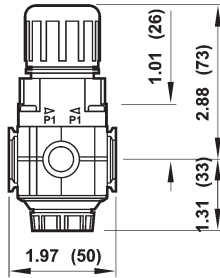
Port Size	Flow (SCFM)	with Gauge Part #
1/4"	110	<b>R11-013RG</b>
3/8"	110	<b>R11-037RG</b>
1/2"	260	<b>R11-061RG</b>



SCFM ratings at 150 PSIG.

FRL's are designed for air service only, unless otherwise indicated.

## R72 Manifold Regulators



Manifold up to six regulators on a single air supply. Design allows in-line installation with hex nipple or modular installation with 72 Series accessories.

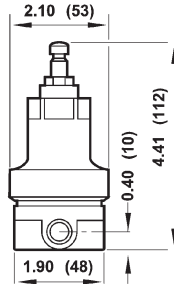
### Features:

- pressure range 5-150 PSI
- inlet pressure: **300 PSI**
- maximum temperature: **150°F (66°C)**
- RG models supplied with GC620 gauge

Port Size	Flow (SCFM)	with Gauge Part #	without Gauge Part #
1/4"	83	<b>R72M-2RG</b>	<b>R72M-2R</b>
3/8"	83	<b>R72M-3RG</b>	<b>R72M-3R</b>

SCFM ratings at 150 PSIG.

## R83 Cylinder Gas Regulators



### Applications:

UL listed for service with Carbon Dioxide, water, pumped air, Nitrogen, Argon, Helium, Krypton, Neon and Xenon.

*Not to be used with flammable gases.* 

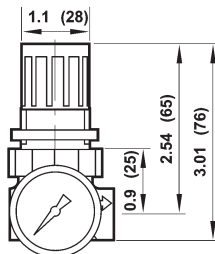
### Features:

- pressure range 5-125 PSI
- inlet pressure: **3000 PSI**
- maximum temperature: **140°F (60°C)**
- relieving type
- two ports for high pressure and two ports for service

Port Size	Flow (SCFM)	without Gauge Part #
1/4"	10	<b>R83-200R</b>

SCFM ratings given at 1000 PSIG inlet pressure.

## R91 Miniature Water Regulators



### Application:


Designed for use with deionized water and potable water systems. Plastic and metal components in contact with fluid are approved by the National Sanitation Foundation (NSF) or meet Food and Drug Administration (FDA) recommendations for use in potable water systems.

### Features:

- inlet pressure: **150 PSI**
- maximum temperature: **125°F (52°C)**
- non-relieving type
- supplied with GC620 gauge
- food grade elastomers

Port Size	Flow (GPM)	with Gauge Part #
1/4"	1.75	<b>R91-221RG</b>

Flow rating at 100 PSIG.

 FRL's are designed for air service only, unless otherwise indicated.



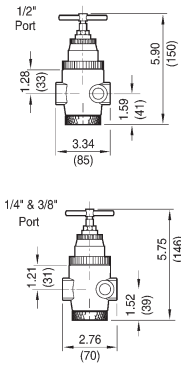
### R43 Water Pressure Regulators

**Application:**

Used in water systems to reduce and maintain pressure at a nearly constant level despite changes in the inlet pressure and changes in downstream flow requirements.

**Features:**

- pressure range 5-125 PSI
- inlet pressure: **400 PSI**
- T-handle adjustment
- brass body and aluminum bonnet
- non-relieving type
- supplied with GC230 gauge
- gauge port is full-flow and can be used as an outlet port
- temperature range:
  - water service: **35° to 200°F (2°C to 93°C)**
  - air service: **-30° to 200°F (-34°C to 93°C)**



Port Size	Flow (GPM)	with Gauge Part #
1/4"	5	<b>R43-201RG</b>
3/8"	5	<b>R43-301RG</b>
1/2"	10	<b>R43-406RG</b>

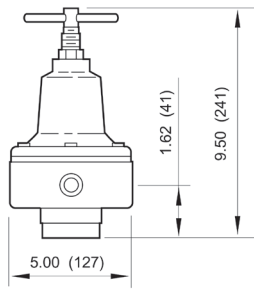
### 11-009 Water Regulators

**Application:**

Balanced valve minimizes effects of the inlet pressure variations on outlet pressure.

**Features:**

- inlet pressure: **400 PSI**
- T-handle adjustment
- non-relieving type
- body, valve and bottom plug are brass, bonnet is aluminum and steel
- elastomers are nitrile
- temperature range:
  - water service: **35° to 200°F (2° to 93°C)**
  - air service: **-30° to 200°F (-34° to 93°C)**

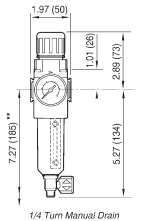


Port Size	Flow (GPM)	without Gauge Part #
3/4"	27.5	<b>11-009-065</b>
1"	27.5	<b>11-009-081</b>

### B72 Sub-Compact Filter / Regulators

**Features:**

- particle removal per ISO 8573-1, Class 5 and Class 3
- pressure range 5-150 PSI
- in-line or modular installation
- 40 micron element
- 2 oz. reservoir
- quick-release bayonet bowl
- prismatic lens liquid level indicator
- supplied with GC620 gauge
- inlet pressure:
  - transparent bowl: **150 PSI and 125°F (52°C)**
  - metal bowl: **250 PSI and 150°F (66°C)**



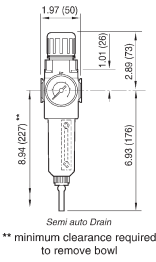
**Transparent Bowl**

Port Size	Flow (SCFM)	Semi-Automatic Drain Part #	Manual Drain Part #
1/4"	80	<b>B72G-2AG</b>	<b>B72G-2MG</b>

1/4 Turn Manual Drain  
\*\* minimum clearance required to remove bowl

**Metal Bowl and Sight Glass**

Port Size	Flow (SCFM)	Semi-Automatic Drain Part #	Manual Drain Part #
1/4"	80	<b>B72G-2AG-MB</b>	<b>B72G-2MG-MB</b>
3/8"		<b>B72G-3AG-MB</b>	<b>B72G-3MG-MB</b>



Semi auto Drain  
\*\* minimum clearance required to remove bowl



with metal bowl

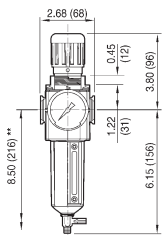
SCFM ratings given at 150 PSIG inlet pressure.

FRL's are designed for air service only, unless otherwise indicated.

## B73 Compact Filter / Regulators



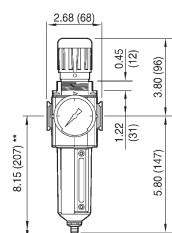
with transparent bowl



1/4 Turn Manual Drain  
\*\* minimum clearance required to remove bowl



with metal bowl



Automatic Drain  
\*\* minimum clearance required to remove bowl

### Features:

- particle removal per ISO 8573-1, Class 5 and Class 3
- pressure range 5-150 PSI
- in-line or modular installation
- 40 micron element
- 3.5 oz. reservoir
- quick-release bayonet bowl
- prismatic lens liquid level indicator
- supplied with GC230 gauge
- inlet pressure:
  - transparent bowl: **150 PSI** and **125°F (52°C)**
  - metal bowl: **250 PSI** and **175°F (79°C)**

### Transparent Bowl

Port Size	Flow (SCFM)	Automatic Drain Part #	Manual Drain Part #
1/4"	78	<b>B73G-2AG</b>	<b>B73G-2MG</b>
3/8"	123	<b>B73G-3AG</b>	<b>B73G-3MG</b>
1/2"	123	<b>B73G-4AG</b>	<b>B73G-4MG</b>

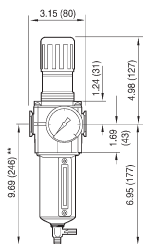
### Metal Bowl and Sight Glass

Port Size	Flow (SCFM)	Automatic Drain Part #	Manual Drain Part #
1/4"	78	<b>B73G-2AG-MB</b>	<b>B73G-2MG-MB</b>
3/8"	123	<b>B73G-3AG-MB</b>	<b>B73G-3MG-MB</b>
1/2"	123	<b>B73G-4AG-MB</b>	<b>B73G-4MG-MB</b>

## B74 Standard Filter / Regulators



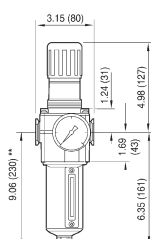
with guard



Manual Drain  
\*\* minimum clearance required to remove bowl



with metal bowl



Automatic Drain  
\*\* minimum clearance required to remove bowl

### Features:

- pressure range 5-150 PSI
- 40 micron element
- 7 oz. reservoir
- relieving type
- supplied with GC230 gauge
- inlet pressure:
  - transparent bowl: **5-150 PSI** and **125°F (52°C)**
  - metal bowl: **5-150 PSI** and **175°F (79°C)**

### Transparent Bowl and Guard

Port Size	Flow (SCFM)	Automatic Drain Part #	Manual Drain Part #
1/2"	212	<b>B74G-4AG</b>	<b>B74G-4MG</b>
3/4"	212	<b>B74G-6AG</b>	<b>B74G-6MG</b>

### Metal Bowl and Sight Glass


Port Size	Flow (SCFM)	Automatic Drain Part #	Manual Drain Part #
3/8"	163	<b>B74G-3AG-MB</b>	<b>B74G-3MG-MB</b>
1/2"	212	<b>B74G-4AG-MB</b>	<b>B74G-4MG-MB</b>
3/4"	212	<b>B74G-6AG-MB</b>	<b>B74G-6MG-MB</b>

SCFM ratings given at 150 PSIG inlet pressure.

FRL's are designed for air service only, unless otherwise indicated.

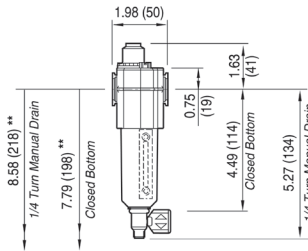
## L72 Sub-Compact Micro-Fog Lubricators

### Applications:

- micro-fog lubricators, identified by a red adjusting screw, are used for applications containing one or more points of lubrication, cylinders and multiple or single tools
- air flow through the lubricator lifts oil from the reservoir to the sight-feed dome; oil is dropped into the fog generator and atomized into a fine mist; lightweight particles are delivered downstream for lubrication and heavier particles fall back into the reservoir
- the micro-fog lubricator delivers 10% of the oil drops visible through the transparent sight-feed dome
- micro-fog lubricators cannot be filled under pressure 

### Features:

- 2 oz. reservoir
- in-line or modular installation
- quick release bayonet bowl
- micro-fog design delivers aerosol mist
- recommended lubricants: misting type oil rated 50 to 200 SSU (ISO Grade 7 to 46) at **100°F (38°C)**
- maximum operating conditions:
  - transparent bowl: **150 PSI** and **125°F (52°C)**
  - metal bowl: **250 PSI** and **175°F (79°C)**



\*\* minimum clearance required to remove bowl



with transparent bowl

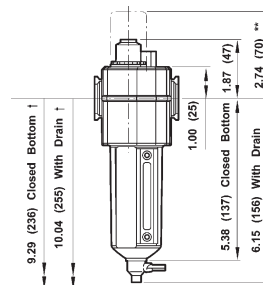
Port Size	Flow (SCFM)	Transparent Bowl Part #	Metal Bowl Part #
1/4"	51	<b>L72M-2</b>	<b>L72M-2MB</b>

SCFM ratings given at 90 PSIG inlet pressure.

## L73 Compact Micro-Fog Lubricators

### Features:

- 4 oz. reservoir
- in-line or modular installation
- quick release bayonet bowl
- micro-fog design delivers aerosol mist
- recommended lubricants: misting type oil rated 50 to 200 SSU (ISO Grade 7 to 46) at **100°F (38°C)**
- maximum operating conditions:
  - transparent bowl: **150 PSI** and **125°F (52°C)**
  - metal bowl: **250 PSI** and **175°F (79°C)**



with transparent bowl

Port Size	Flow (SCFM)	Transparent Bowl Part #	Metal Bowl Part #
1/4"	70	<b>L73M-2</b>	<b>L73M-2MB</b>
3/8"	70	<b>L73M-3</b>	<b>L73M-3MB</b>
1/2"	70	<b>L73M-4</b>	<b>L73M-4MB</b>

SCFM ratings given at 90 PSIG inlet pressure.


 FRL's are designed for air service only, unless otherwise indicated.

## Micro-Fog Lubricators with Pyrex Sight Feed Dome

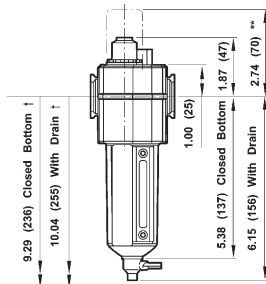
### Application:

- designed for use with alcohol or other anti-freeze agents when units are installed in cold temperature environments
- applications containing one or more points of lubrication, cylinders and multiple or single tools
- air flow through the lubricator lifts oil from the reservoir to the sight-feed dome; oil is dropped into the fog generator and atomized into a fine mist; lightweight particles are delivered downstream for lubrication and heavier particles fall back into the reservoir

### Features:

- high pressure sight feed dome with aluminum case and fluorocarbon O-rings and seals; high pressure sight glass on bowls and metal petcock drain
- delivers 10% of the oil drops visible through the transparent sight-feed dome
- *micro-fog lubricators cannot be filled under pressure* 

### Compact

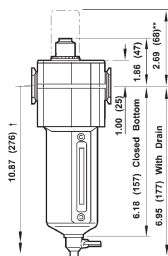


### Features:

- 4 oz. reservoir
- in-line or modular installation
- quick release bayonet bowl
- micro-fog design delivers aerosol mist
- recommended lubricants: misting type oil rated 50 to 200 SSU (ISO Grade 7 to 46) at 100°F
- inlet pressure: **250 PSI**
- maximum temperature: **175°F (79°C)**

Port Size	Flow (SCFM)	Metal Bowl with Sight Glass Part #
3/8"	60	<b>L73M-3MBPX</b>
1/2"	60	<b>L73M-4MBPX</b>

### Standard



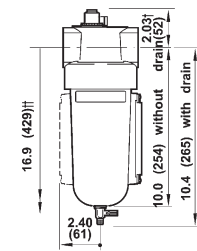
\* Optional pyrex sight-feed dome.  
 † Minimum clearance required to remove bowl.

### Features:

- 7 oz. reservoir
- in-line or modular installation
- quick release bayonet bowl
- micro-fog design delivers aerosol mist
- recommended lubricants: misting type oil rated 50 to 200 SSU (ISO Grade 7 to 46) at 100°F
- inlet pressure: **250 PSI**
- maximum temperature: **175°F (79°C)**

Port Size	Flow (SCFM)	Metal Bowl with Sight Glass Part #
3/8"	114	<b>L74M-3MBPX</b>
1/2"	154	<b>L74M-4MBPX</b>
3/4"	142	<b>L74M-6MBPX</b>

### Jumbo




1 quart US (1 liter) reservoir  
 1/4 turn drain

### Features:


- 1 qt. reservoir
- oil level sight gauge
- particle removal per ISO 8573-1, class 5 and class 3
- one turn threaded bowl attachment permits easy maintenance
- inlet pressure: **250 PSI**
- maximum temperature: **175°F (79°C)**

Port Size	Flow (SCFM)	Metal Bowl with Sight Glass Part #
1"	275	<b>L17-800APX</b>

SCFM ratings given at 90 PSIG inlet pressure.

 FRL's are designed for air service only, unless otherwise indicated.

**Applications:**

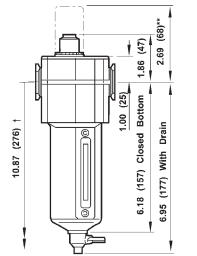
- micro-fog lubricators, identified by a red adjusting screw, are used for applications containing one or more points of lubrication, cylinders and multiple or single tools
- air flow through the lubricator lifts oil from the reservoir to the sight-feed dome. Oil is dropped into the fog generator and atomized into a fine mist; lightweight particles are delivered downstream for lubrication and heavier particles fall back into the reservoir
- micro-fog lubricator delivers 10% of the oil drops visible through the transparent sight-feed dome
- *micro-fog lubricators cannot be filled under pressure.* 

**L74 Standard Micro-Fog Lubricators**

**Features:**

- 7 oz. reservoir
- in-line or modular installation
- quick release bayonet bowl
- micro-fog design delivers aerosol mist
- recommended lubricants: misting type oil rated 50 to 200 SSU (ISO Grade 7 to 46) at **100°F (38°C)**
- maximum operating conditions:
  - transparent bowl: **150 PSI and 125°F (52°C)**
  - metal bowl: **250 PSI and 175°F (79°C)**

Port Size	Flow (SCFM)	Transparent Bowl Part #	Metal Bowl Part #
3/8"	114	<b>L74M-3</b>	<b>L74M-3MB</b>
1/2"	154	<b>L74M-4</b>	<b>L74M-4MB</b>
3/4"	142	<b>L74M-6</b>	<b>L74M-6MB</b>



\*\* Optional pyrex sight-feed dome.  
1 Minimum clearance required to remove bowl.



transparent bowl

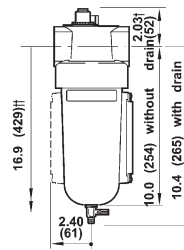
SCFM ratings given at 90 PSIG inlet pressure.

**L17 Jumbo Micro-Fog Lubricators**

**Features:**

- 1 qt. reservoir
- oil level sight gauge
- one turn threaded bowl attachment permits easy maintenance
- inlet pressure: **250 PSI**
- maximum temperature: **175°F (79°C)**

Port Size	Flow (SCFM)	Metal Bowl with Sight Glass Part #
3/4"	160	<b>L17-600A</b>
1"	275	<b>L17-800A</b>
1 1/4"	275	<b>L17-A00A</b>
1 1/2"	275	<b>L17-B00A</b>



1 quart US (1 liter) reservoir  
1/4 turn drain



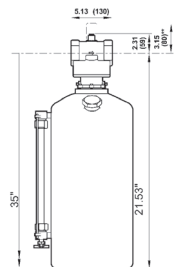
SCFM ratings given at 90 PSIG inlet pressure.

**10-076 Jumbo General Purpose Oil-Fog Lubricators**

**Features:**

- 2 gallon reservoir
- oil flow can be positively set
- reservoir is ASME constructed
- inlet pressure: **250 PSI**
- maximum temperature: **175°F (79°C)**
- oil level sight gauge

Port Size	Flow (SCFM)	Metal Bowl with Sight Glass Part #
2"	1000	<b>10-076-004</b>



2 and 5 gallon (8 and 20 liter) reservoir  
\*\* Optional pyrex sight-feed dome.  
1 Minimum clearance required to remove bowl.



SCFM ratings given at 100 PSIG inlet pressure.

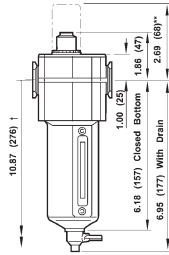
 FRL's are designed for air service only, unless otherwise indicated.



## L74 Standard Oil-Fog Lubricators



metal bowl



\*\* Optional pyrex sight-feed dome.  
 † Minimum clearance required to remove bowl.

### Applications:

- oil-fog lubricators, identified by a green adjusting screw, are used for lubricating a single air tool or air motor and should be installed as near the device as possible

### Features:

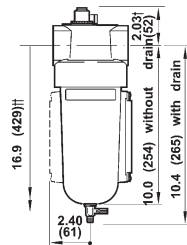
- all the oil visible dropping through the transparent sight-feed dome goes to the airstream
- L72C, L73C and L74C OIL-FOG lubricators can be filled under pressure
- in-line or modular installation
- quick release bayonet bowl
- can be filled under pressure
- recommended lubricants: misting type oil rated 50 to 200 SSU (ISO Grade 7 to 46) at 100°F
- maximum operating conditions:
  - transparent bowl: **150 PSI** and **125°F (52°C)**
  - metal bowl: **250 PSI** and **175°F (79°C)**
- 7 oz. reservoir

Port Size	Flow (SCFM)	Transparent Bowl Part #	Metal Bowl Part #
3/8"	118	<b>L74C-3</b>	<b>L74C-3MB</b>
1/2"	192	<b>L74C-4</b>	<b>L74C-4MB</b>
3/4"	186	<b>L74C-6</b>	<b>L74C-6MB</b>

## L17 Jumbo Oil-Fog Lubricators



metal bowl



1 quart US (1 liter) reservoir  
 1/4 turn drain

### Application:

- oil-fog lubricators, identified by a green adjusting screw, are used for lubricating a single air tool or air motor and should be installed as close to the device as possible

### Features:

- 1 qt. reservoir
- oil level sight gauge
- All the oil visible dropping through the transparent sight-feed dome goes to the airstream.
- one turn threaded bowl attachment permits easy maintenance
- inlet pressure: **250 PSI**
- maximum temperature: **175°F(79°C)**

Port Size	Flow (SCFM)	Metal Bowl with Sight Glass Part #
3/4"	160	<b>L17-600D</b>
1"	275	<b>L17-800D</b>
1 1/2"	275	<b>L17-B00D</b>

SCFM ratings given at 90 PSIG inlet pressure.

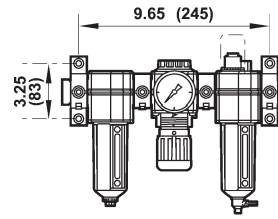


FRL's are designed for air service only, unless otherwise indicated.

### E73 Compact Combination Units

**Features:**

- 5-150 PSI range
- 4 oz. reservoir
- inlet pressure:
  - transparent bowl: **150 PSI** and **125°F (52°C)**
  - metal bowl: **250 PSI** and **175°F (79°C)**
- supplied with a G230 gauge
- connected modularly
- 2 clamps (4314-51), wall mounting brackets (4314-52), and 2 NPT pipe adapters (4315-01) are included



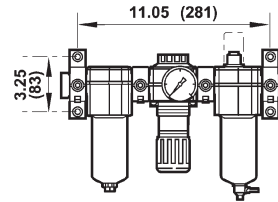
metal bowls

Port Size	Flow (SCFM)	Transparent Bowl		Metal Bowl	
		Automatic Drain Part #	Manual Drain Part #	Automatic Drain Part #	Manual Drain Part #
1/4"	70	<b>E73-2A</b>	<b>E73-2M</b>	---	---
3/8"	70	<b>E73-3A</b>	<b>E73-3M</b>	<b>E73-3A-MB</b>	<b>E73-3M-MB</b>
1/2"	70	<b>E73-4A</b>	<b>E73-4M</b>	<b>E73-4A-MB</b>	<b>E73-4M-MB</b>

### E74 Standard Combination Units

**Features:**

- pressure range 5-150 PSI
- 7 oz. reservoir
- inlet pressure:
  - transparent bowl: **150 PSI** and **125°F (52°C)**
  - metal bowl: **250 PSI** and **175°F (79°C)**
- models supplied with a GC230 gauge
- connected modularly
- 2 clamps (4314-51), wall mounting brackets (4314-52), ps # and 2NPT pipe adapters (4315-01) are included



transparent bowl with guard

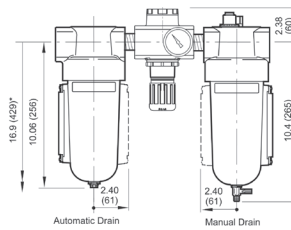
Port Size	Flow (SCFM)	Transparent Bowl and Guard		Metal Bowl and Sight Glass	
		Automatic Drain Part #	Manual Drain Part #	Automatic Drain Part #	Manual Drain Part #
3/8"	110	---	---	<b>E74-3A-MB</b>	<b>E74-3M-MB</b>
1/2"	150	<b>E74-4A</b>	<b>E74-4M</b>	<b>E74-4A-MB</b>	<b>E74-4M-MB</b>
3/4"	140	<b>E74-6A</b>	<b>E74-6M</b>	<b>E74-6A-MB</b>	<b>E74-6M-MB</b>

### P8A Jumbo Combination Units

**Features:**

- pressure range 5-125 PSI
- 1 qt. reservoir
- inlet pressure: **250 PSI**
- maximum temperature: **175°F (79°C)**

Port Size	Flow (SCFM)	Metal Bowl and Sight Glass	
		Automatic Drain Part #	Manual Drain Part #
1"	275	<b>P8A-860A</b>	<b>P8A-860M</b>



with metal bowls

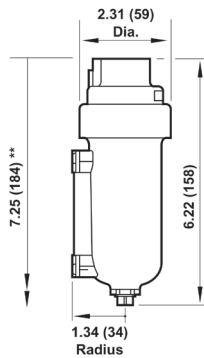
These units are intended for use in industrial compressed air systems only. They must not be used where pressure or temperature may exceed maximum rated operating conditions. The polycarbonated plastic bowls used on these units can be damaged and possibly burst if exposed to such substances as certain 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.

⚠

### 17-016 Drip Leg Automatic Drains



17-016-107



\*\* Minimum clearance to remove bowl.

**Applications:**

- 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

**Features:**

- metal bowl
- drain is ported to 1/8" NPT
- inlet pressure: **250 PSIG**
- maximum temperature: **175°F (79°C)**

Port Size	Part #
1/2"	<b>17-016-107</b>

### Filter Elements



5 micron element  
5925-03

Used On	Description	Part #
F07	5 micron	<b>3652-11</b>
F08	5 micron 40 micron	<b>3161-16</b> <b>3161-18</b>
F17	5 micron bronze 25 micron bronze 40 micron bronze	<b>5311-01</b> <b>5311-02</b> <b>5311-03</b>
F18	5 micron bronze 25 micron bronze 50 micron bronze	<b>5882-11</b> <b>5882-12</b> <b>5882-13</b>
F72	5 micron 40 micron	<b>5925-03</b> <b>5925-02</b>
F73	5 micron 40 micron	<b>4438-01</b> <b>4438-03</b>
F74	5 micron 40 micron	<b>4338-04</b> <b>4338-05</b>

### Filter Bowl / Bowl Guards



transparent bowl and guard  
4325-51R

Used On	Description	Part #
F07	polycarbonate bowl with auto drain polycarbonate bowl with manual drain	<b>3646-51</b> <b>3646-53</b>
F08	transparent bowl with manual drain	<b>3776-50</b>
F17	metal bowl with petcock drain	<b>5390-77</b>
F72	transparent bowl with manual drain transparent bowl with semi-automatic drain	<b>4266-50RF</b> <b>4266-52RF</b>
F73	transparent bowl with manual drain, 1/4 turn transparent bowl with auto drain	<b>4425-50RF</b> <b>4425-51RF</b>
F74	plastic bowl assembly with guard and 1/4 turn manual drain plastic bowl assembly with guard and automatic drain	<b>4325-51R</b> <b>4325-52R</b>

### Filter Drains

Used On	Description	Part #
F17,F74	auto drain	<b>3000-10</b>
	manual drain	<b>619-50</b>
	manual drain assembly	<b>2796-52</b>
F72,F73	auto drain	<b>4000-51R</b>
F72,F73 F74	manual drain	<b>619-50</b>



### Filter Lens Kits

Used On	Description	Part #
F72	liquid level lens kit	<b>4380-020</b>
F73	liquid level lens kit	<b>4380-030</b>
F74	high pressure dome sight glass kit	<b>4380-051</b>



### Filter Indicator Conversion Kits

**Features:**

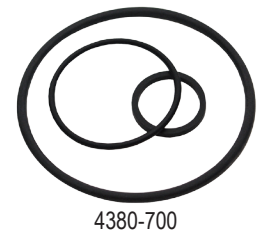
- allows addition of service life indicator in the field
- for general purpose and oil removal filters

Used On	Description	Part #
F72,F73,F74	service life indicator	<b>5797-50</b>



### Filter Service Kits

Used On	Description	Part #
F17	O-rings, seals, and gaskets	<b>5578-05</b>
F18		<b>5945-50</b>
F73		<b>4380-600</b>
F74		<b>4380-700</b>



### Filter Oil / Vapor Removal Filters

Used On	Description	Part #
F74C	oil removal filter	<b>4344-01</b>
F74H	oil removal filter	<b>4344-02</b>
F74V	vapor removal filter	<b>4341-01</b>



### Regulator Springs



4432-02

Used On	Pressure Ratings	Part #
R74	5-60 PSI 5-150 PSI	<b>4332-01</b> <b>4332-02</b>

### Tamper Resistant Covers

**Features:**

- helps prevent unauthorized pressure adjustment setting
- cover can be locked in place with up to four padlocks
- installs on adjusting knob



Used On	Description	Part #
R72	tamper resistant cover with seal wire	<b>4255-51</b>
R73	tamper resistant cover with seal wire	<b>4455-51</b>
R74	tamper resistant cover with seal wire	<b>4355-51</b>

### Regulator Panel Nuts



panel nut

Used On	Description	Part #
R07	plastic panel nut	<b>2962-89</b>
R08	plastic panel nut	<b>5191-89</b>
R17	metal panel nut	<b>5226-97</b>
R72	plastic panel nut	<b>4248-89</b>
R73	zinc panel nut	<b>5191-88</b>
R74	zinc panel nut	<b>4348-89</b>

### Regulator Diaphragm Relieving Kits



3407-02



4381-700

Used On	Description	Part #
R07	diaphragm, relieving	<b>3407-02</b>
R08		<b>5298-14</b>
R11		<b>529-03</b>
R17		<b>5578-02</b>
R72		<b>4381-500</b>
R73		<b>4381-600</b>
R74		<b>4381-700</b>

### Regulator Gauges



GC230

Used On	Description	Part #
R72, B72	0-160 PSI gauge, 1½" face, ⅛" center back mount	<b>GC620</b>
R73, R74, B73, B74	0-160 PSI gauge, 2" face, ¼" center back mount	<b>GC230</b>



### Lubricator Bowl / Bowl Guards

Used On	Description	Part #
L07	polycarbonate bowl with manual drain	<b>3646-54</b>
L73	transparent bowl with manual drain	<b>4425-50RL</b>
L74	metal bowl with liquid level indicator and ¼ turn manual drain	<b>4303-77R</b>
	transparent bowl with manual drain	<b>4325-50R</b>



3646-54

### Seal Wires

**Features:**

- provides tamper resistant protection of the lubricator drip rate setting

Used On	Description	Part #
L73, L74	metal wire	<b>2117-01</b>



seal wire

### Domes, Caps and Plugs

Used On	Description	Part #
L08	quick fill cap	<b>18-011-024</b>
L17, L74	quick fill cap	<b>18-011-021</b>
L73, L74	aluminum fill plug	<b>5301-55</b>
L17, L72, L73, L74	sight feed dome (micro-fogging design)	<b>4055-50</b>
L72, L74	sight feed dome (oil-fogging design)	<b>4055-51</b>
L74	high pressure sight feed dome	<b>5605-50</b>
	liquid level indicator repair kit	<b>4380-050</b>



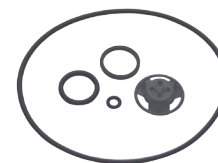
18-011-021



5605-50

### Lubricator Seal Kits

Used On	Description	Part #
L17	O-rings, seals, and gaskets	<b>5771-02</b>
L73		<b>4382-600</b>
L74		<b>4382-700</b>



5771-02

### Air Tool Lubricants

**Features:**

- specially formulated high grade lubricant that prolongs the service life of air tools, cylinders and accessories while permitting maximum performance
- do not use any synthetic oil or oils containing additives or solvents
- visit [dixonvalve.com](http://dixonvalve.com) for more information

Used On	Description	Part #
	1 pint	<b>DATL016</b>
	1 gallon	<b>DATL128</b>



1 gallon



1 pint

## Quick-Clamps and Brackets

**Features:**

Quick-clamp

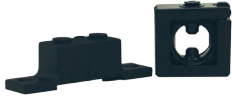
- provides modular installation capability
- flanges designated to slide into V grooves in clamp
- face-sealing O-rings provide a positive seal when clamp is closed and screw tightened
- bracket for quick-clamp
- provides secure mounting to a wall, machine panel or other flat surface



quick-clamp



bracket



quick-clamp with bracket

Used On Filter/ Regulator/ Lubricator Series	Description	Part #
L72	quick-clamp	<b>4214-51</b>
F72	quick-clamp service kit (2 O-rings)	<b>4384-570</b>
R72	quick-clamp and bracket assembly	<b>4214-52</b>
F73, F74, R73, R74, L72, L73	quick-clamp	<b>4314-51</b>
	quick-clamp service kit (2 O-rings)	<b>4384-770</b>
	wall bracket for quick-clamp (uses 7/32" screws)	<b>4313-50</b>
	quick-clamp and bracket assembly	<b>4314-52</b>

## Blocks

**Features:**

- installed with quick-clamps
- provides additional outlets and manifolding capability



porting block



manifold block

Used On Filter/ Regulator/ Lubricator Series	Description	Part #
F73, F74, R73, R74, L73, L74	porting block, three 1/4" PTF outlets	<b>4316-50</b>
	manifold block, three 3/8" PTF outlets	<b>4328-50</b>

## Pipe Adapters

**Application:**

- used on filters / regulators / lubricator series

**Features:**

- installed with quick-clamps
- provides PTF connections to system piping
- sold individually



pipe adapters

Used On Filter/ Regulator/ Lubricator Series	Description	Part #
L72, F72, R72	1/4" PTF connections	<b>4215-02</b>
	3/8" PTF connections	<b>4215-03</b>
F73, F74, R73, R74, L73, L74	1/4" PTF connections	<b>4315-01</b>
	3/8" PTF connections	<b>4315-02</b>
	1/2" PTF connections	<b>4315-03</b>
	3/4" PTF connections	<b>4315-04</b>

**Mounting Brackets**



Used On	Description	Part #
F07	mounting bracket only	<b>5939-06</b>
L07	mounting bracket only	<b>5095-17</b>
F17, L17	mounting bracket kit for 3/4" and 1" ported units	<b>6212-50</b>

**Wall Mounting Brackets**

**Features:**

- alternate to quick-clamps and pipe adapters
- used to secure to a wall, machine panel or other flat surface
- Use close nipples on page ??? to connect combination unit and then place in bracket.



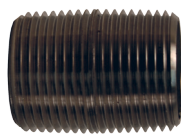
Used On Filter/ Regulator/ Lubricator Series	Description	Part #
L72, F72, R72	wall mounting bracket for all F72 series	<b>4224-50</b>
L73, F73, R72	wall mounting bracket for all F73 series	<b>4424-50</b>
L74, F74, R74	wall mounting bracket for all F74 series	<b>4324-50</b>

**Regulator Mounting Brackets**



Used On Filter/ Regulator/ Lubricator Series	Description	Part #
B07, R07 B08, R08 R17	mounting bracket with plastic panel nut	<b>18-025-003</b> <b>5203-06</b> <b>5570-04</b>

**Close Nipples**

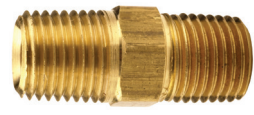


**Features:**

- made from schedule 40 welded pipe
- male NPT x male NPT design

Male NPT	Overall Length	Galvanized Steel Part #
1/8"	3/4"	---
1/4"	7/8"	<b>CN025G</b>
3/8"	1"	--
1/2"	1 1/8"	<b>CN050G</b>
3/4"	1 3/8"	<b>CN075G</b>
1"	1 1/2"	<b>CN100G</b>

**Hex Nipples**



**Feature:**

- ref SAE 130137

NPTF	Brass Part #
1/8" x 1/8"	<b>3700202C</b>
1/4" x 1/4"	<b>3700404C</b>
3/8" x 3/8"	<b>3700606C</b>
1/2" x 1/2"	<b>3700808C</b>
3/4" x 3/4"	<b>3701212C</b>
1" x 1"	<b>3701616C</b>

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