

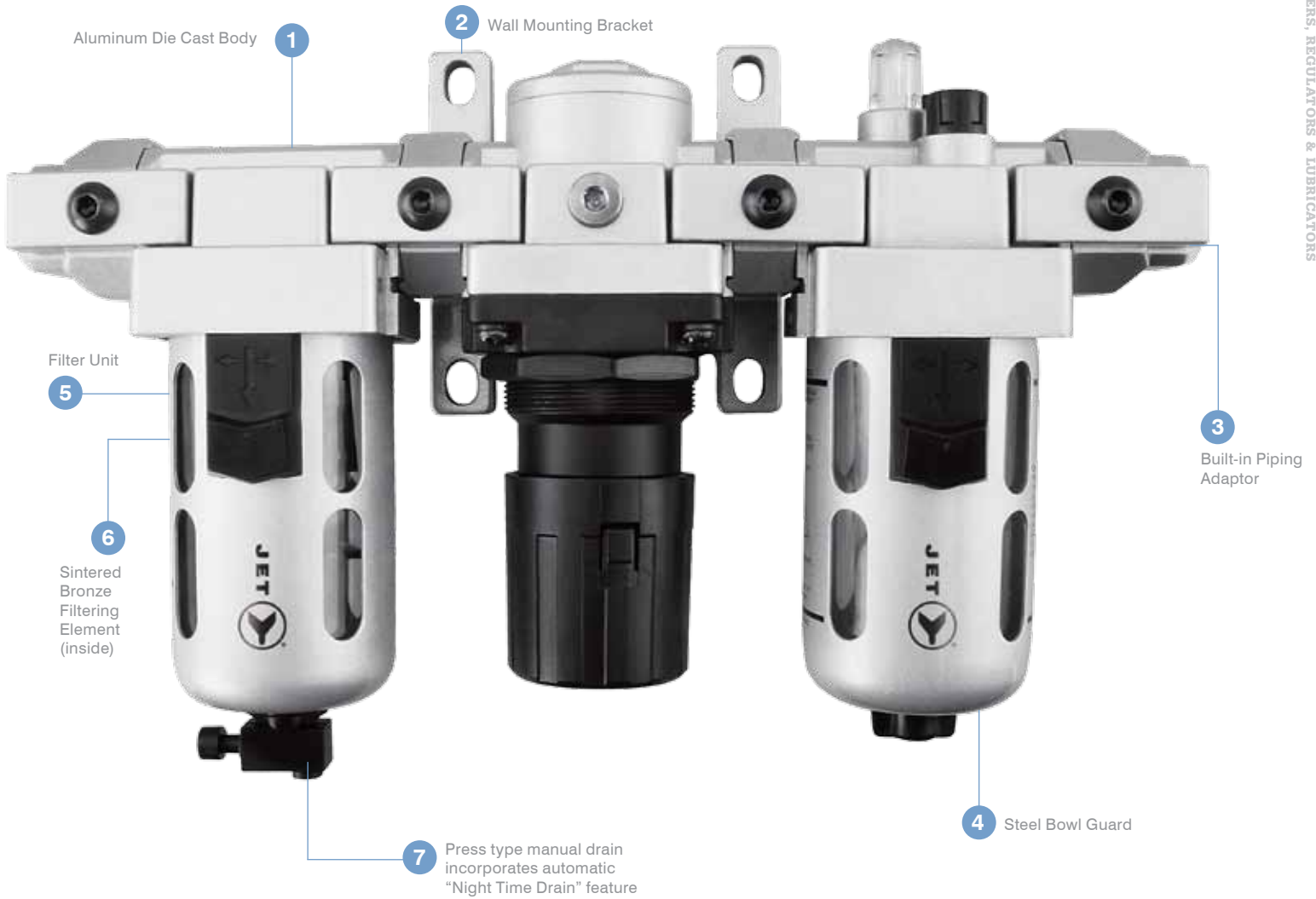


# Filters, Regulators & Lubricators



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## Quality Features:

- 1 Industrial construction **Aluminum die cast** body (9 times safer than a plastic body). Allows use at higher temperatures and better tightening of piping without stripping the threads.
- 2 Built-in **wall mounting brackets**.
- 3 **Built-in piping adaptors** allows individual components to be easily removed/mounted without disturbing the pipe line.
- 4 **Steel bowl guard** protects the polycarbonate bowl from getting damaged.
- 5 **Filter unit** incorporates both separator and shield for maximum moisture separation.
- 6 **Sintered bronze filtering element** versus commonly used paper filter provides for better filtration without the need to replace the filter element.
- 7 **Press type manual drain** incorporates "Night Time Drain" feature which automatically drains off the bowl when compressed air supply is switched off.

## Other Features:

- Each unit is 100% factory tested and certified for guaranteed performance
- Designed for maximum flow with proper sizing of all components
- Fully modular for easy maintenance

# Air Regulators

FILTERS, REGULATORS & LUBRICATORS

To increase pressure - pull knob, turn clock wise and push it back to lock in positions  
to reduce pressure - pull knob, turn counter clockwise and push it back to lock in position

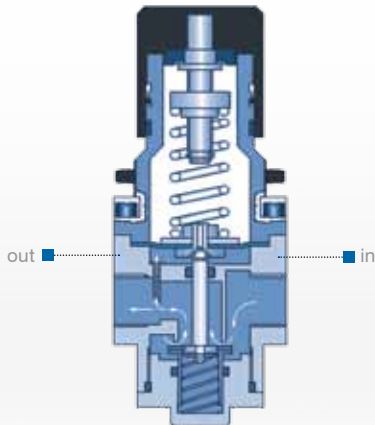


Port for Installing Pressure Gauge

408818

### Standard Configuration

- Pressure adjustment range of 7 - 145 PSI (0.5 - 10 BAR)



**408817 / 408818**  
**Miniature**  
Max. flow rate:  
21 CFM / 600 LPM

**408823 / 408821**  
**Intermediate**  
Max. flow rate:  
88 CFM / 2,500 LPM  
Built-in Venturi for flow compensation

**408825**  
**Standard**  
Max. flow rate:  
140 CFM / 4,000 LPM  
Built-in Venturi for flow compensation

**408826 / 408828**  
**Heavy Duty**  
Max. flow rate:  
210 CFM / 6,000 LPM  
Built-in Venturi for flow compensation



Factory Tested



220 PSI (15 BAR)



Ambient  
-0-60°C (32-140°F)

**MODULAR**  
MOUNTING



**CONFORMS TO**  
**ISO 6953-1**

- One of the most commonly used air line accessories, regulators are used to maintain a steady outlet pressure, unaffected by variations/fluctuations in the inlet pressure
- Regulators step down the air line pressure and can be set at any pressure below the inlet air pressure
- Aluminum die cast body, designed with a non-raising "Press to Lock" adjusting knob for locking at any set pressure
- Regulators work on a diaphragm operated relieving type mechanism with pressure compensated by balanced poppet. These can be installed in any position and need not be vertically mounted

### Wetted Components:

Aluminum, brass, steel, acetal, stainless steel and nitrile

Prod. No.	Mod. No.	Description	Port Size	Flow Rate (Max)*		Pressure Gauge Port Size	Height (h)		Width (w)	
				CFM	LPM		in	mm	in	mm
<b>408817</b>	ARM18	Miniature	1/8"	21	600	1/8"	3.19	81	1.57	40
<b>408818</b>	ARM14	Miniature	1/4"	21	600	1/8"	3.19	81	1.57	40
<b>408821</b>	ARI14	Intermediate	1/4"	88	2,500	1/8"	5.31	135	2.16	55
<b>408823</b>	ARI38	Intermediate	3/8"	88	2,500	1/8"	5.31	135	2.16	55
<b>408825</b>	ARS12	Standard	1/2"	140	4,000	1/8"	6.50	165	2.75	70
<b>408826</b>	ARH34	Heavy Duty	3/4"	175	5,000	1/4"	6.97	177	3.54	90
<b>408828</b>	ARH1	Heavy Duty	1"	210	6,000	1/4"	6.97	177	3.54	90

\* Inlet pressure 105 PSI (7 BAR), supply pressure 90 PSI (6 BAR) and pressure drop 17 PSI (1 BAR)

### ACCESSORIES AVAILABLE:



Clamp, pg. 12



Pressure Gauge, pg. 12

### 408871 / 408872

**Miniature**  
Max. flow rate:  
28 CFM / 800 LPM  
Threaded type steel  
bowl guard

### 408873 / 408874

**Intermediate**  
Max. flow rate:  
80 CFM / 2,250 LPM  
Bayonet type steel  
bowl guard

### 408875

**Standard**  
Max. flow rate:  
125 CFM / 3,500 LPM  
Bayonet type steel  
bowl guard

### 408878 / 408879

**Heavy Duty**  
Max. flow rate:  
230 CFM / 6,500 LPM  
Bayonet type steel  
bowl guard



Factory Tested



145 PSI (10 BAR)



Ambient  
0-60°C (32-140°F)

**MODULAR**  
MOUNTING

**VERTICAL**  
MOUNTING

**CONFORMS TO**  
**ISO 5782-1**

- Air filters are used to separate dust, dirt, moisture and other contaminants from compressed air
- Die cast aluminum filter head, polycarbonate bowl with a steel bowl guard and high performance sintered bronze filtering element
- Designed with a separator and shield for efficient moisture separation

### Wetted Components:

Aluminum, bronze, steel, acetal, polycarbonate, stainless steel and nitrile

Prod. No.	Mod. No.	Description	Port Size	Flow Rate (Max)*		Bowl Size		Height (h)		Width (w)	
				CFM	LPM	Oz.	ml	in	mm	in	mm
<b>408871</b>	AFM18	Miniature	1/8"	28	800	0.3	9	4.45	113	1.57	40
<b>408872</b>	AFM14	Miniature	1/4"	28	800	0.3	9	4.45	113	1.57	40
<b>408873</b>	AFI14	Intermediate	1/4"	80	2,250	1.08	32	5.51	140	2.16	55
<b>408874</b>	AFI38	Intermediate	3/8"	80	2,250	1.08	32	5.51	140	2.16	55
<b>408875</b>	AFS12	Standard	1/2"	125	3,500	1.5	44	6.77	172	2.75	70
<b>408878</b>	AFH34	Heavy Duty	3/4"	175	5,000	5.6	165	10.24	260	3.54	90
<b>408879</b>	AFH1	Heavy Duty	1"	230	6,500	5.6	165	10.24	260	3.54	90

\* Inlet pressure 90 PSI (6 BAR) and pressure drop 4.5 PSI (0.3 BAR)

### ACCESSORIES AVAILABLE:



Clamp, pg. 12



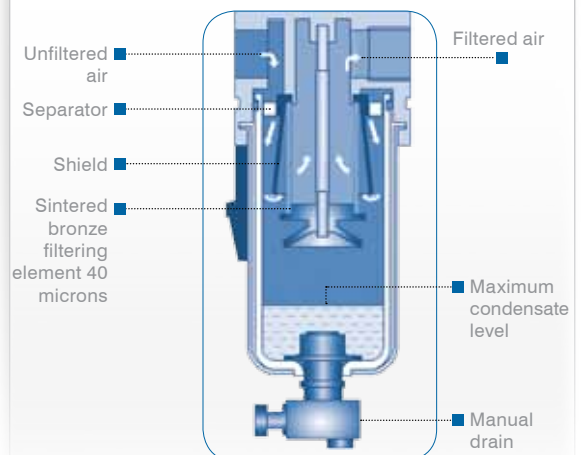
Bowl Guard

Manual drain incorporates automatic "Night Time Drain" feature

408875

### Standard Configuration

- 40 micron filtering element
- Press type manual drain with "Night Time Drain" feature which automatically drains off the bowl once the compressed air supply to the filter is switched off



**WARNING:** Polycarbonate bowls may get damaged and possibly fail if exposed to synthetic oils, thinner, solvents, trichloroethylene, kerosene or other aromatic hydrocarbons

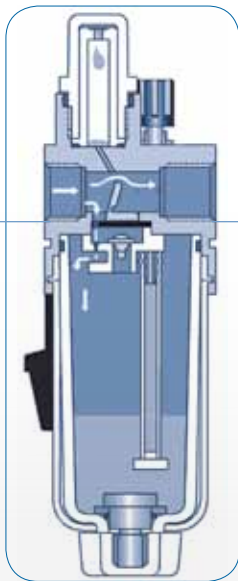
# Air Lubricators



FILTERS, REGULATORS & LUBRICATORS



408842



Filtered air

Lubricated air

## 408831 / 408833

### Miniature

Max flow rate:  
48 CFM / 1,350 LPM  
Min. flow rate:  
0.42 CFM / 12 LPM  
Threaded type steel  
bowl guard

## 408836

### Intermediate

Max flow rate:  
106 CFM / 3,000 LPM  
Min. flow rate:  
1.41 CFM / 40 LPM  
Bayonet type steel  
bowl guard

## 408842

### Standard

Max flow rate:  
200 CFM / 5,650 LPM  
Min. flow rate:  
1.59 CFM / 45 LPM  
Bayonet type steel  
bowl guard

## 408847 / 408849

### Heavy Duty

Max flow rate:  
318 CFM / 9,000 LPM  
Min. flow rate:  
1.76 CFM / 50 LPM  
Bayonet type steel  
bowl guard



Factory Tested



145 PSI (10 BAR)



Ambient  
0-60°C (32-140°F)

**MODULAR**  
MOUNTING

**VERTICAL**  
MOUNTING

**CONFORMS TO  
ISO 6301-1**

- Air lubricators are used to feed lubricants to pneumatic equipment. These maintain a constant oil-to-air density over a wide range of flow
- Lubricators are fog/micro mist type, up to 50' pipe runs
- Die cast aluminum head, polycarbonate bowl with a steel bowl guard.  
The head is fitted with oil drop indicator, oil drop controller and oil filling plug

### Wetted Components:

Aluminum, bronze, steel, acetal, polycarbonate, stainless steel and nitrile

**Note:** Designed for best performance with 32 grade oil

Prod. No.	Mod. No.	Description	Port Size	Flow Rate (Max)*		Bowl Size		Height (h)		Width (w)	
				CFM	LPM	Oz.	ml	in	mm	in	mm
				<b>NPT</b>							
408831	ALM18	Miniature	1/8"	48	1,350	0.68	20	5.31	135	1.57	40
408833	ALM14	Miniature	1/4"	48	1,350	0.68	20	5.31	135	1.57	40
408836	ALI38	Intermediate	3/8"	106	3,000	1.98	57	6.18	157	2.16	55
408842	ALS12	Standard	1/2"	200	5,650	5.13	152	7.48	190	2.75	70
408847	ALH34	Heavy Duty	3/4"	255	7,200	6.8	200	10.75	273	3.54	90
408849	ALH1	Heavy Duty	1"	318	9,000	6.8	200	10.75	273	3.54	90

\* Inlet pressure 90 PSI (6 BAR) and pressure drop 7.5 PSI (0.5 BAR)

### ACCESSORIES AVAILABLE:



Clamp, pg. 12



**WARNING:** Polycarbonate bowls may get damaged and possibly fail if exposed to synthetic oils, thinner, solvents, trichloroethylene, kerosene or other aromatic hydrocarbons

### 408881 / 408882

**Miniature**  
Max. flow rate:  
20 CFM / 550 LPM  
Threaded type steel  
bowl guard

### 408883 / 408884

**Intermediate**  
Max. flow rate:  
64 CFM / 1,800 LPM  
Bayonet type steel  
Bowl guard, regulator  
with built-in Venturi for  
flow compensation

### 408885

**Standard**  
Max. flow rate:  
106 CFM / 3,000 LPM  
Bayonet type steel  
bowl guard, regulator  
with built-in Venturi for  
flow compensation

### 408888 / 408889

**Heavy Duty**  
Max. flow rate:  
193 CFM / 5,500 LPM  
Bayonet type steel  
bowl guard, regulator  
with built-in Venturi for  
flow compensation



Factory Tested



145 PSI (10 BAR)



Ambient  
0-60°C (32-140°F)

**MODULAR**  
MOUNTING

**PANEL**  
MOUNTING

- The filter, regulator combination is one of the most popular air preparation units. The 2 are assembled together to form a single unit
- Air filter is used to separate dust, dirt, moisture and other contaminants from compressed air
- Filter has a die cast aluminum body, polycarbonate bowl with a steel bowl guard and high performance sintered bronze filtering element
- Filter is designed with a separator and shield for efficient moisture separation. It is combined with a regulator which maintains a steady outlet pressure, unaffected by variations/fluctuations in the inlet pressure
- Regulators have a non-raising "Press to Lock" adjusting knob for locking at any set pressure. Regulators work on a diaphragm operated relieving type mechanism with pressure compensated by balanced poppet

### Wetted Components:

Aluminum, bronze, brass, steel, acetal, polycarbonate, stainless steel and nitrile

Prod. No.	Mod. No.	Description	Port Size	Flow Rate (Max)*		Pressure Gauge	Bowl Size		Height (h)		Width (w)	
				CFM	LPM		Port Size	Oz.	ml	in	mm	in
<b>NPT</b>												
408881	AFRM18	Miniature	1/8"	20	550	1/8"	0.3	9	6.69	170	1.57	40
408882	AFRM14	Miniature	1/4"	20	550	1/8"	0.3	9	6.69	170	1.57	40
408883	AFRI14	Intermediate	1/4"	64	1,800	1/8"	1.08	32	8.66	220	2.17	55
408884	AFRI38	Intermediate	3/8"	64	1,800	1/8"	1.08	32	8.66	220	2.17	55
408885	AFRS12	Standard	1/2"	106	3,000	1/8"	1.5	44	11.02	280	2.76	70
408888	AFRH34	Heavy Duty	3/4"	149	4,250	1/4"	5.6	165	14.6	370	3.54	90
408889	AFRH1	Heavy Duty	1"	193	5,500	1/4"	5.6	165	14.6	370	3.54	90

\* Inlet pressure 105 PSI (7 BAR). Set pressure 90 PSI (6 BAR). Pressure drop 17 PSI (1 BAR)

### ACCESSORIES AVAILABLE:



Clamp, pg. 12



Pressure Gauge, pg. 12



### Standard Configuration

- Pressure adjustment range of 7 - 145 PSI (0.5 - 10 BAR)
- 40 micron filtering element
- Press type manual drain with "Night Time Drain" feature which automatically drains off the bowl once the compressed air supply to the filter is switched off

**WARNING:** Polycarbonate bowls may get damaged and possibly fail if exposed to synthetic oils, thinner, solvents, trichloroethylene, kerosene or other aromatic hydrocarbons

# Filter, Regulator & Lubricator - 2 Piece



FILTERS, REGULATORS & LUBRICATORS



#### 408801 Miniature

Max. flow rate:  
18 CFM / 500 LPM  
Min flow rate:  
0.42 CFM / 12 LPM  
Threaded type steel  
bowl guard

#### 408802 Intermediate

Max. flow rate:  
44 CFM / 1,250 LPM  
Min flow rate:  
1.41 CFM / 40 LPM  
Bayonet type steel  
bowl guard, regulator  
with built-in Venturi for  
flow compensation

#### 408804 Standard

Max. flow rate:  
99 CFM / 2,800 LPM  
Min flow rate:  
1.59 CFM / 45 LPM  
Bayonet type steel  
bowl guard, regulator  
with built-in Venturi for  
flow compensation

#### 408808 / 408809 Heavy Duty

Max. flow rate:  
140 CFM / 4,000 LPM /  
123 CFM / 3,500 LPM  
Min flow rate:  
1.76 CFM / 50 LPM  
Bayonet type steel  
bowl guard, regulator  
with built-in Venturi for  
flow compensation



Factory Tested



145 PSI (10 BAR)



Ambient  
0-60°C (32-140°F)

**MODULAR**  
MOUNTING

**VERTICAL**  
MOUNTING

- Space saving 2 piece modular filter, regulator combination and lubricator is by far the most popular air preparation unit.
- The filter, regular combination and lubricator are attached in series using spacers and piping adaptors, which makes the two components easily removable / mountable without disturbing the pipe line. Comes complete with a wall mounting bracket
- Air filter is used to separate dust, dirt, moisture and other contaminants from compressed air. Filter has a die cast aluminum body, polycarbonate bowl with a steel bowl guard and a high performance sintered bronze filtering element. Filter is designed with a separator and shield for efficient moisture separation.
- Regulator maintains a steady outlet pressure, unaffected by variations/fluctuations in the inlet pressure. Regulators have a non-raising "Press to Lock" adjusting knob for locking at any set pressure. Regulators work on a diaphragm operated relieving type mechanism with pressure compensated by balanced poppet
- Air lubricators are used to feed lubricants to pneumatic equipments. These maintain a constant oil-to-air density over a wide range of flow. Lubricators are fog/micro-mist type, up to 50' pipe runs. Designed for best performance with 32 grade oil. These have a die cast aluminum head, polycarbonate bowl with a steel bowl guard. The head is fitted with oil drop indicator, oil drop controller and oil filling plug

#### Wetted Components:

Aluminum, bronze, brass, steel, acetal, polycarbonate, stainless steel and nitrile

Prod. No.	Mod. No.	Description	Port Size	Flow Rate (Max)*		Pressure Gauge Port Size	Bowl Size (Filter)		Bowl Size (Lubricator)		Height (h)		Width (w)	
				CFM	LPM		Oz.	ml	Oz.	ml	in	mm	in	mm

\*Inlet Pressure 105 PSI (7 BAR). Set Pressure 90 PSI (6 BAR). Pressure Drop 17 PSI (1 BAR)

ACCESSORIES AVAILABLE:



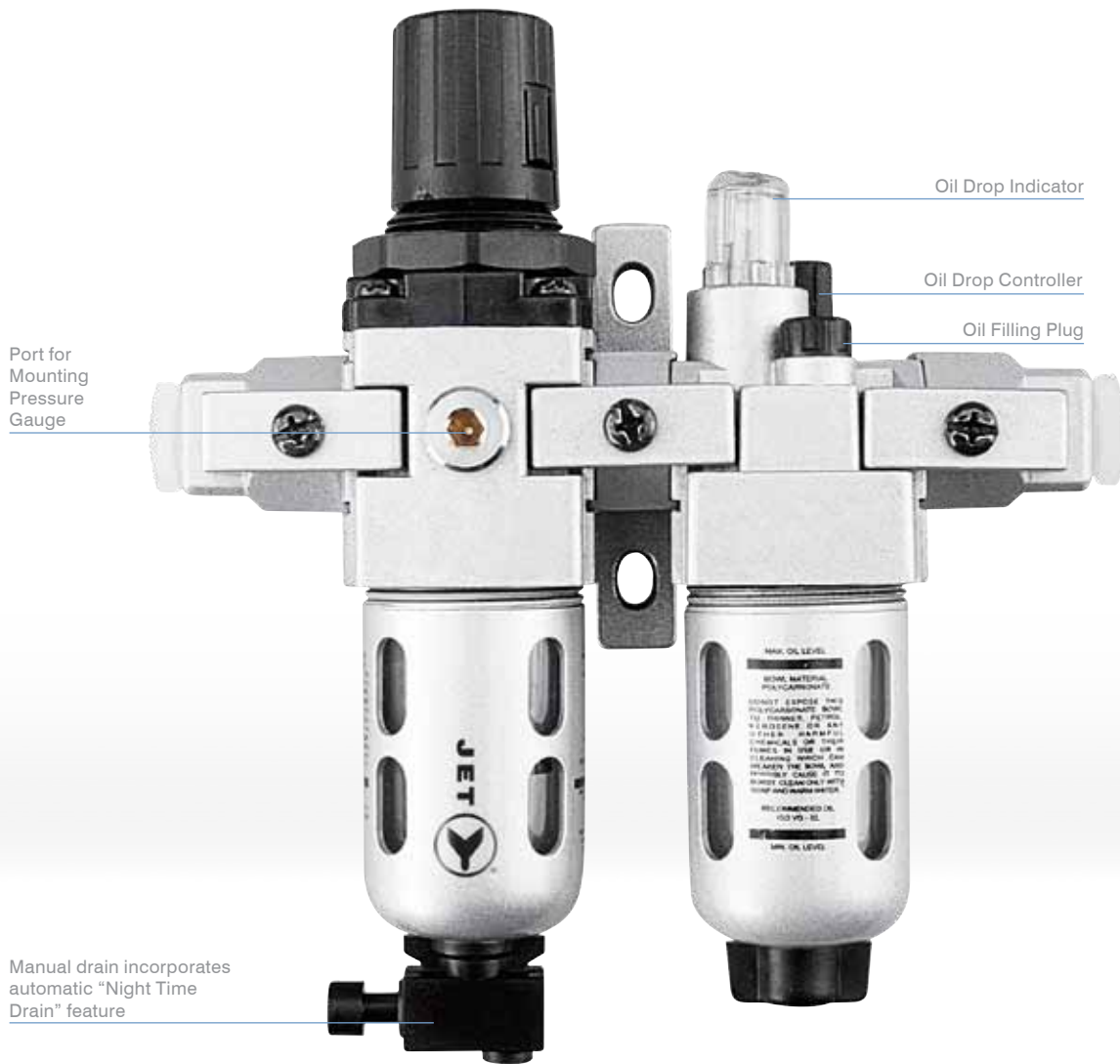
Pressure Gauge, pg. 12



**WARNING:** Polycarbonate bowls may get damaged and possibly fail if exposed to synthetic oils, thinner, solvents, trichloroethylene, kerosene or other aromatic hydrocarbons



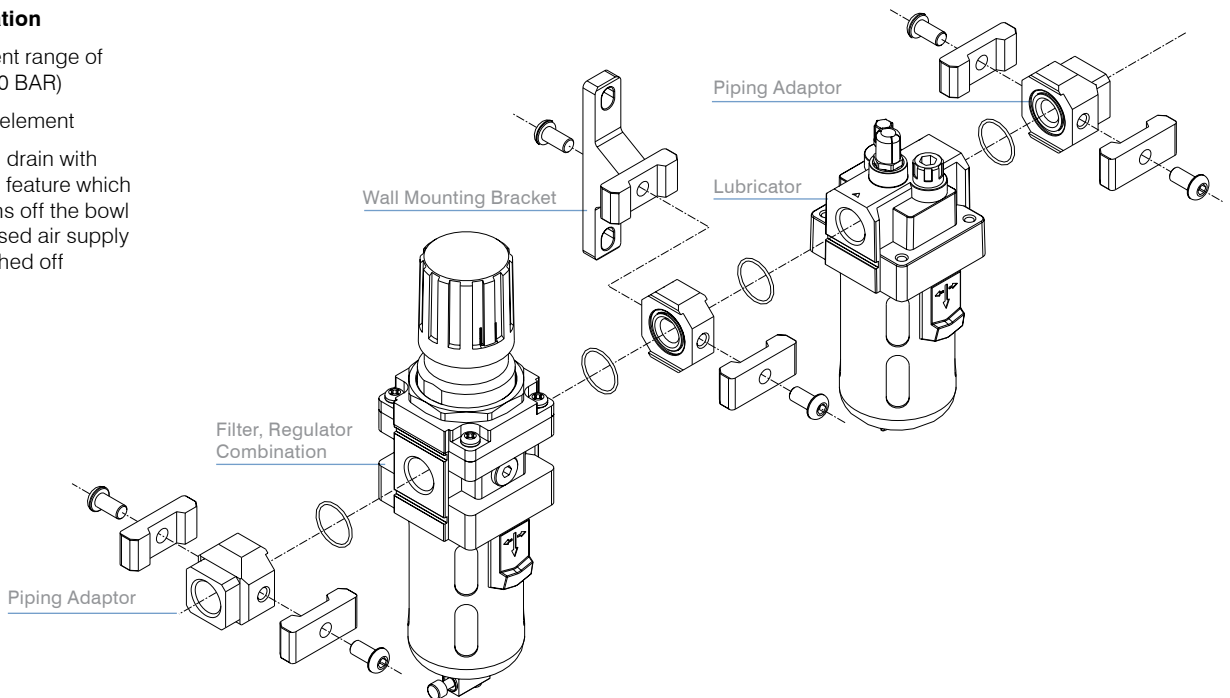




408801

### Standard Configuration

- Pressure adjustment range of 7 - 145 PSI (0.5 - 10 BAR)
- 40 micron filtering element
- Press type manual drain with "Night Time Drain" feature which automatically drains off the bowl once the compressed air supply to the filter is switched off



# Filter, Regulator & Lubricator - 3 Piece



FILTERS, REGULATORS & LUBRICATORS



### 408852

#### Miniature

Max. flow rate:  
18 CFM / 500 LPM  
Min flow rate:  
0.42 CFM / 12 LPM  
Threaded type steel  
bowl guard

### 408855

#### Intermediate

Max. flow rate:  
71 CFM / 2,000 LPM  
Min flow rate:  
1.41 CFM / 40 LPM  
Bayonet type steel  
bowl guard, regulator  
with built-in Venturi for  
flow compensation

### 408856

#### Standard

Max. flow rate:  
123 CFM / 3,500 LPM  
Min flow rate:  
1.59 CFM / 45 LPM  
Bayonet type steel  
bowl guard, regulator  
with built-in Venturi for  
flow compensation

### 408857 / 408858

#### Heavy Duty

Max. flow rate:  
175 CFM / 5,000 LPM  
Min flow rate:  
1.76 CFM / 50 LPM  
Bayonet type steel  
bowl guard, regulator  
with built-in Venturi for  
flow compensation



Factory Tested



145 PSI (10 BAR)



Ambient  
0-60°C (32-140°F)

**MODULAR**  
MOUNTING

**VERTICAL**  
MOUNTING

- The filter, regulator and lubricator is a 3 piece assembly including all 3 individual components. The 3 components are attached in series using spacers and piping adaptors, which make the individual components easily removable / mountable without disturbing the pipe line. Comes complete with wall mounting bracket
- Air filter is used to separate dust, dirt, moisture and other contaminants from compressed air. Filter has a die cast aluminum body, polycarbonate bowl with a steel bowl guard and a high performance sintered bronze filtering element. Filter is designed with a separator and shield for efficient moisture separation
- Regulator maintains a steady outlet pressure, unaffected by variations/fluctuations in the inlet pressure. Regulators have a non-raising "Press to Lock" adjusting knob for locking at any set pressure. Regulators work on a diaphragm operated relieving type mechanism with pressure compensated by balanced poppet
- Air lubricators are used to feed lubricants to pneumatic equipments. These maintain a constant oil-to-air density over a wide range of flow. Lubricators are fog/micro-mist type, up to 50' pipe runs. Designed for best performance with 32 grade oil. These have a die cast aluminum head, polycarbonate bowl with a steel bowl guard. The head is fitted with oil drop indicator, oil drop controller and oil filling plug

#### Wetted Components:

Aluminum, bronze, brass, steel, acetal, polycarbonate, stainless steel and nitrile

Prod. No.	Mod. No.	Description	Port Size	Flow Rate (Max)*		Pressure Gauge Port Size	Bowl Size (Filter)		Bowl Size (Lubricator)		Height (h)		Width (w)	
				CFM	LPM		Oz.	ml	Oz.	ml	in	mm	in	mm
	<b>NPT</b>													
408852	AFRLMM14	Miniature	1/4"	18	500	1/8"	0.3	9	0.68	20	6.69	170	7.87	200
408855	AFRLMI38	Intermediate	3/8"	71	2,000	1/8"	1.08	32	1.93	57	8.66	220	9.84	250
408856	AFRLMS12	Standard	1/2"	123	3,500	1/8"	1.5	44	5.17	152	11.02	280	12.00	305
408857	AFRLMH34	Heavy Duty	3/4"	123	3,500	1/4"	5.6	165	6.8	200	14.6	370	14.6	370
408858	AFRLMH1	Heavy Duty	1"	175	5,000	1/4"	5.6	165	6.8	200	14.6	370	14.6	370

\*Inlet Pressure 105 PSI (7 BAR). Set Pressure 90 PSI (6 BAR). Pressure Drop 17 PSI (1 BAR)

ACCESSORIES AVAILABLE:



Pressure Gauge, pg. 12



**WARNING:** Polycarbonate bowls may get damaged and possibly fail if exposed to synthetic oils, thinner, solvents, trichloroethylene, kerosene or other aromatic hydrocarbons

Aluminum Die Cast Body

Wall Mounting Bracket

Filter Unit

Sintered Bronze  
Filtering Element  
(inside)

Manual Drain  
Incorporates automatic  
"Night Time Drain" feature

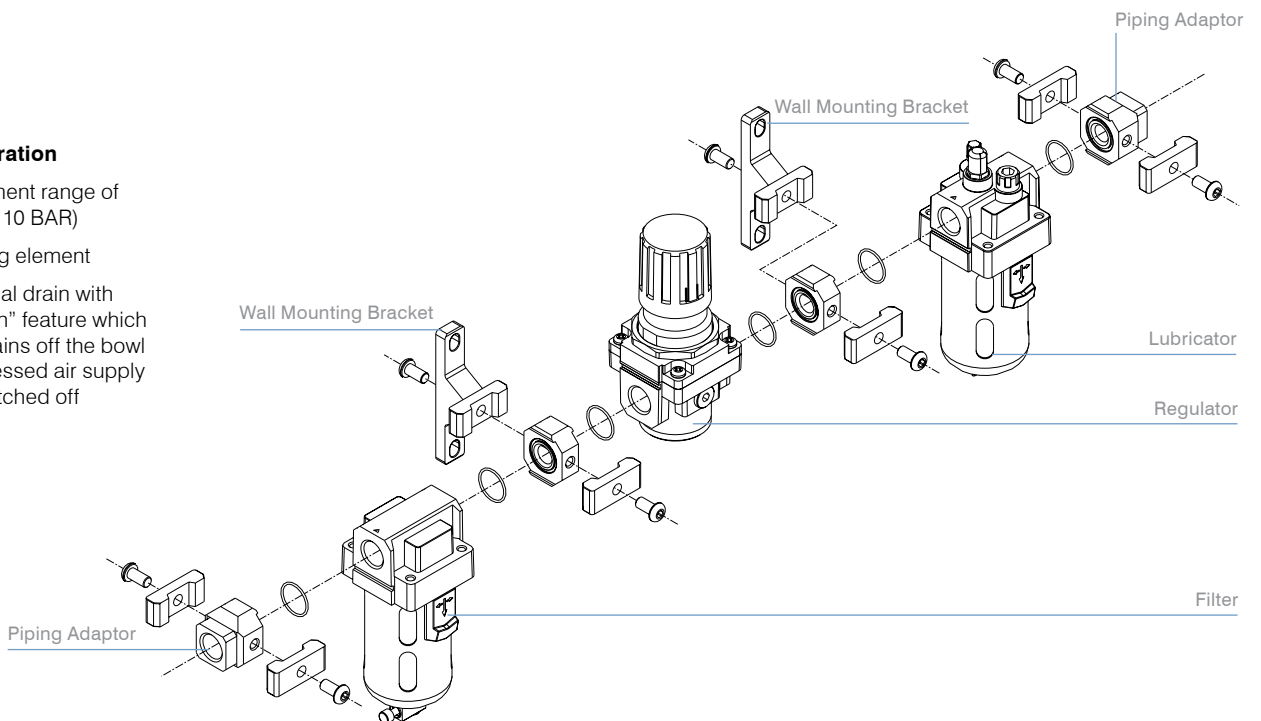
408856

Steel Bowl Guard



### Standard Configuration

- Pressure adjustment range of 7 - 145 PSI (0.5 - 10 BAR)
- 40 micron filtering element
- Press type manual drain with "Night Time Drain" feature which automatically drains off the bowl once the compressed air supply to the filter is switched off





## Mounting Clamp for Individual Filters & Lubricators

- Steel clamps in a powder coated finish, used to mount individual filters and lubricators. Both filter and lubricator units have threaded holes on the head casting into which the clamp fits

Prod. No.	Mod. No.	For Use with Model Series
408861	WMFLM	Miniature - AFM18, AFM14, ALM18, ALM14
408862	WMFLI	Intermediate - AFI14, AFI38, ALI38
408863	WMFLS	Standard - AFS12, ALS12
408864	WMFLH	Heavy Duty - AFH34, AFH1, ALH34, ALH1

## Mounting Clamp for Regulators & Filter Regulator Combinations

- Steel clamps in a powder coated finish. The clamp has a hole into which the regulator fits in and is secured by the nut provided in the regulator

Prod. No.	Mod. No.	For Use with Model Series
408865	WMFFRM	Miniature - ARM18, ARM14, AFRM18, AFRM14
408866	WMFFRI	Intermediate - ARI14, ARI38, AFRI14, AFRI38
408867	WMFFRS	Standard - ARS12, ARFS12
408868	WMFFRH	Heavy Duty - ARH34, AFRH34, ARH1, AFRI

## Pressure Gauges

- For use with regulators for setting output pressure. These are graduated both in BARS and PSI with a maximum reading of 200 PSI/14 BAR. Pressure Gauge is graduated in intervals of 5 PSI/0.20 BAR
- Male threads on the back side, fit female threads on the regulator

Prod. No.	Mod. No.	Threads NPT	For Use with Model Series
408813	RPGMIS18	1/8"	Miniature, Intermediate and Standard
408814	RPGH14	1/4"	Heavy Duty

## Auto Drain Valve - External

- As a standard, all JET filters have a manual drain valve fitted on them, however, this can be changed with an automatic drain valve fitted externally to the bowl
- The auto drain valve drains the condensate water automatically. In addition to automatic draining, there is also provision in the valve for manual drain off
- Unlike an electrical auto drain valve, these float type auto drain valve's operate only when the condensate is collected and drains only the condensate

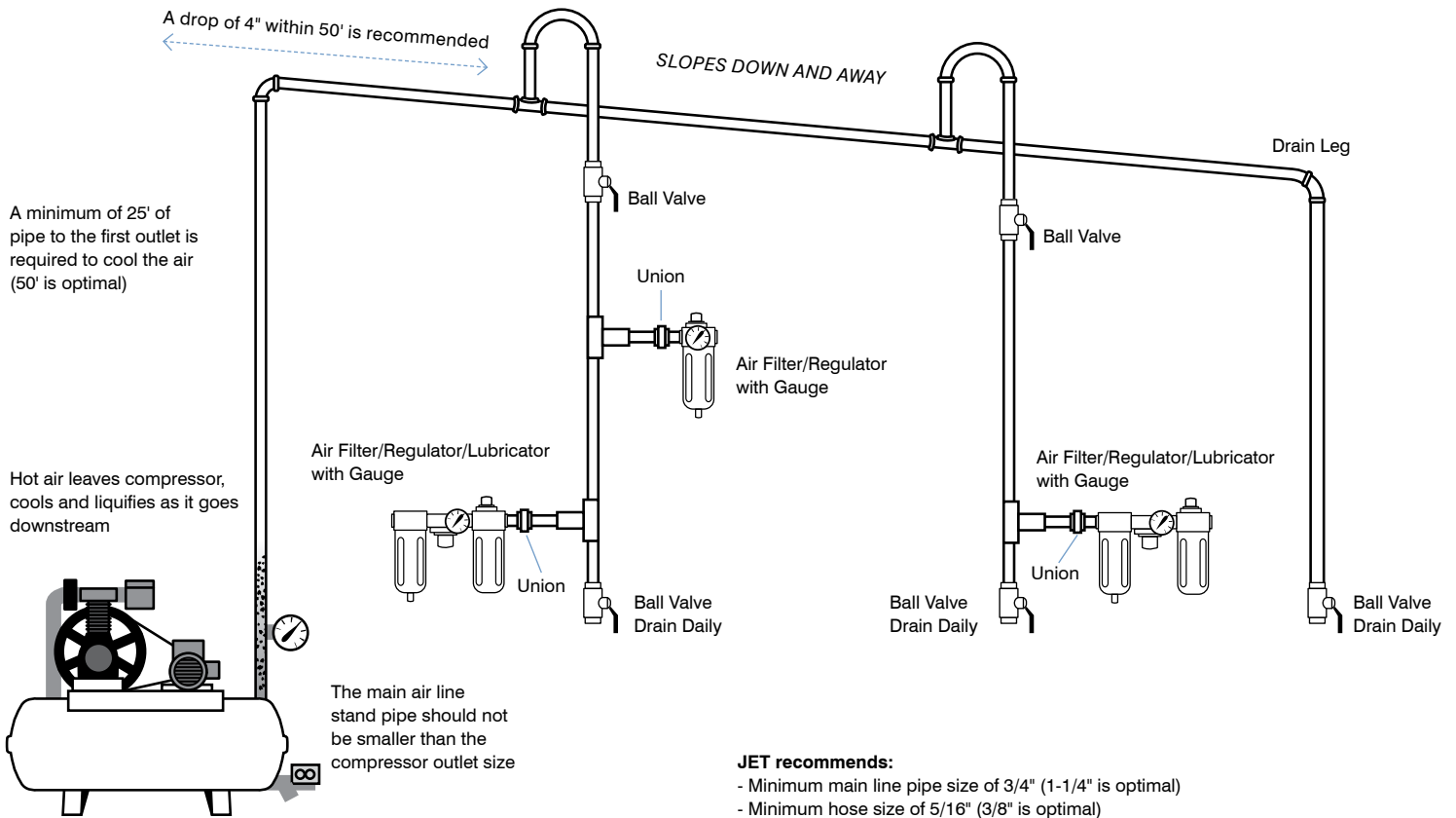
Prod. No.	Mod. No.	For Use with Model Series
408891	ADVM	Miniature - AFM18, AFM14
408892	ADVI	Intermediate - AFI14, AFI38
408893	ADVS	Standard - AFS12
408894	ADVH	Heavy Duty - AFH34, AFH1

## Why Incorporate a Proper Air Line System?

JET prides itself on carrying some of the best quality air tools in the world. However, like all air tools, performance and life can be severely compromised due to water and/or debris in the air line system, improper lubrication and/or improper air pressure supplied to the tool itself.

The diagram below outlines a basic air line system that should be used when operating air tools. This includes the proper placement and use of air filters, regulators and lubricators to ensure that clean,

waterless air, arrives at the tool with the correct mix of oil lubrication and air pressure to achieve peak performance and tool life. Further, it is critical that accumulated air moisture be drained daily and sometimes more frequently from your air tank and air line system. Internal rust due to excessive moisture is one of the most common problems found in air tools sent in for repair. By maintaining your air tools through proper lubrication and ensuring the use of clean, dry air you extend their life and protect your warranty.



Drain the air compressor daily, in the morning

**Filters:** Clean air maximizes tool life, reduces repair and replacement costs, minimizes downtime.

**Regulators:** Controlled air flow maximizes tool performance and shop productivity.

**Lubricators:** Proper lubrication maximizes tool performance, life and shop productivity.