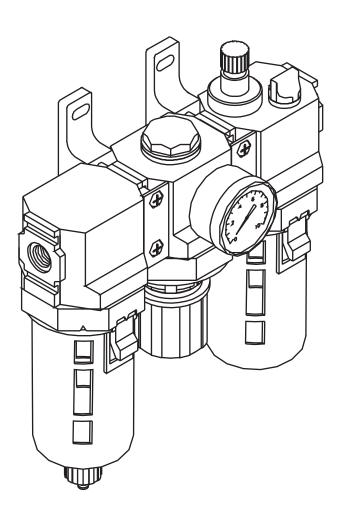
# AF/AR/AL Series Air Preparation Units



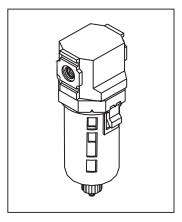


Vital Technologies for Motion and Control



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#### **Features**

- Large surface 5 micron elements
- High flow rates
- Highly efficient in removing liquids and solids
- Modular system with BSPT ports
- Global product
- Secure but easily removable bowls
- Bowl guards are standard
- 360° visibility of water level
- FRL units may be assembled for right-to-left or left-to-right flow pattern

#### **Ordering Information**

Part Number	Nominal body size	Port size	Element	Drain	Bowl	Bowl guard
AF200-8	1/8" 3.1mm	Rc1/4	5 micron	Manual	Polycarbonate	None
AF200-8AD20	1/8" 3.1mm	Rc1/4	5 micron	Auto	Polycarbonate	None
AF320-8	3/8" 9.5mm	Rc1/4	5 micron	Manual	Polycarbonate	With quick release
AF320-8-AD41	3/8" 9.5mm	Rc1/4	5 micron	Auto	Polycarbonate	With quick release
AF320-10	3/8" 9.5mm	Rc3/8	5 micron	Manual	Polycarbonate	With quick release
AF320-10-AD41	3/8" 9.5mm	Rc3/8	5 micron	Auto	Polycarbonate	With quick release
AF420-15	1/2" 12.7mm	Rc1/2	5 micron	Manual	Polycarbonate	With quick release
AF420-15-AD41	1/2" 12.7mm	Rc1/2	5 micron	Auto	Polycarbonate	With quick release

#### **Technical information**

Working pressure: 0.5 – 8.5 bar, 50 – 850 kPa, 7 – 120 PSI

Working temperature: 0 − 60°C

Flow rates: Please refer to diagrams on page 3

Elements: Porous plastic

Sump capacity: AFR200: 11 mL AFR320: 52 mL AFR420: 116 mL

Visibility: 360° visibility of water level

Servicing: No tools are required for removing bowl and replacing element Accessories: Filter-to-regulator bolt kit supplied with each AF200 filter

Combination sets: Combination sets are supplied as kits of components for user to assemble

Materials: Certain components in these products are made of aluminium. For equivalent products

with no aluminium components contact Parker Technical Service.

#### **CAUTION:**

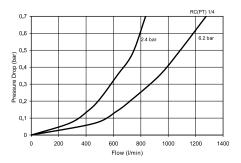
Polycarbonate bowls, being transparent and tough, are ideal for use with Filters and Lubricators. They are suitable for use in normal industrial environments, but should not be located in areas where they could be subjected to direct sunlight, an impact blow, nor temperatures outside of the rated range. As with most plastics, some chemicals can cause damage. Polycarbonate bowls should not be exposed to chlorinated hydro-carbons, ketones, esters and certain alcohols. They should not be used in air systems where compressors are lubricated with fire-resistant fluids such as phosphate ester and di-ester types.

Metal bowls are recommended where ambient and/or media conditions are not compatible with polycarbonate bowls. Metal bowls resist the action of most such solvents, but should not be used where strong acids or bases are present or in salt laden atmospheres. Consult the factory for specific recommendations where these conditions exist.

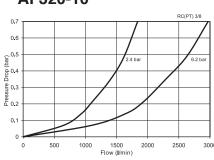
TO CLEAN POLYCARBONATE BOWLS USE MILD SOAP AND WATER ONLY! DO NOT use cleansing agents such as acetone,benzene, carbon tetrachloride, gasoline, toluene, etc., which are damaging to this plastic.

#### **Performance Characteristics**

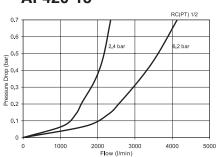
#### AF200-8



AF320-10



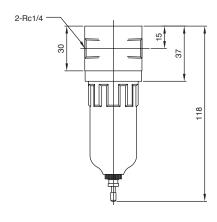
AF420-15



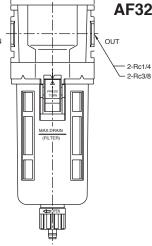
#### **Dimensions**

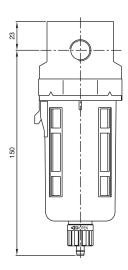


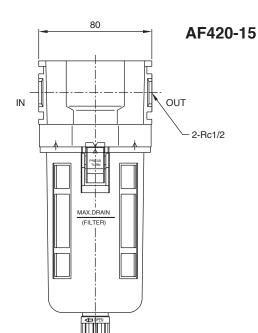
AF200-8

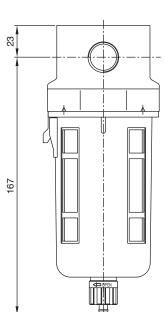


**AF320-8** AF320-10

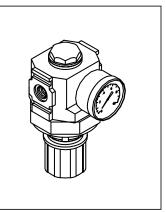








For information on mountings and accessories please refer to page 16



#### **Features**

- High flow rates
- Accurate pressure regulation
- Quick response
- Modular system with BSPT ports
- Mounting bracket included
- Pressure gauge included
- Global product
- Non-rising removable adjustment knobs
- Balanced poppets
- FRL units may be assembled for right-to-left or left-to-right flow pattern

#### **Ordering Information**

Part	Nominal	Port	Type
Number	body size	size	
AR200-8	1/8" 3.1m	m Rc1/4	Bleed
AR320-8	3/8" 9.5m	m Rc1/4	Bleed
AR320-10	3/8" 9.5m	m Rc3/8	Bleed
AR420-15	1/2" 12.7r	nm Rc1/2	Bleed

#### **Technical information**

Working pressure: 0.5 – 8.5 bar, 50 – 850 kPa, 7 – 120 PSI

Working temperature:  $0 - 60^{\circ}$ C

Flow rates: Please refer to diagrams on page 5

Adjustment: By non-rising lockable knob

Accessories: Supplied with mounting bracket and pressure gauge as standard

Combination sets: Combination sets are supplied as kits of components for user to assemble

Materials: Certain components in these products are made of aluminium. For equivalent products

with no aluminium components contact Parker Technical Service.

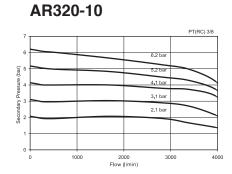
#### **CAUTION:**

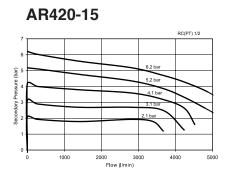
**REGULATOR PRESSURE ADJUSTMENT** – The working range of knob adjustment is designed to permit outlet pressures within their full range. Pressure adjustment beyond this range is also possible because the knob is not a limiting device. This is a common characteristic of most industrial regulators, and limiting devices may be obtained only by special design.

# **Air Line Regulators**

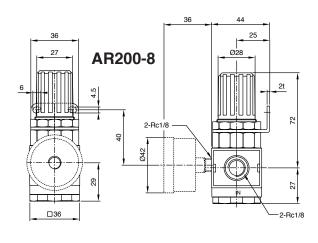
#### **Performance Characteristics**

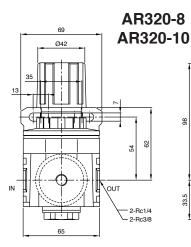
# AR200-8 RC(PT) 1/4 6.2 bar 6.2 bar 4.1 bar 3.1 bar 2.1 bar

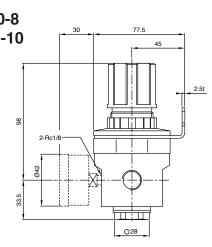




#### **Dimensions**





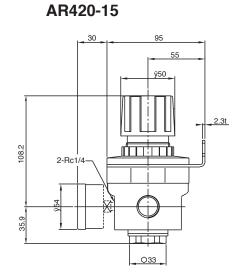


For information on mountings and accessories please refer to page 16

#### For panel mounting

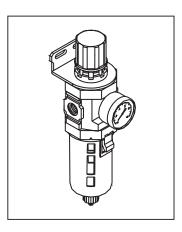
Part Number	Hole dia	Max. panel thickness
AR200-8	30	4
AR320-8	37	4
AR320-10	37	4
AR420-15	43	4

# 



# Air Line Filter/Regulators AFR Series

# Parker AF/AR/AL Series Air Preparation Units



#### **Features**

- Large surface 5 micron elements
- High flow rates
- Highly efficient in removing liquids
- Highly efficient in removing solids
- Accurate pressure regulation
- Quick response
- Modular system with BSPT ports
- Secure but easily removable bowls
- Mounting bracket included
  - Pressure gauge included

Bowl guards are standard

360° visibility of water level

- Global product
- Non-rising removable adjustment knobs
- FRL units may be assembled for right-to-left or left-to-right flow pattern

#### **Ordering Information**

Part	Nom	inal	Port			Filter		Regulator
Number	body	/ size	size	Element Drain		Bowl	Bowl guard	Туре
AFR200-8	1/8"	3.1mm	Rc1/4	5 micron	Manual	Polycarbonate	None	Bleed
AFR200-8AD20	1/8"	3.1mm	Rc1/4	5 micron	Auto	Polycarbonate	None	Bleed
AFR320-8	3/8"	9.5mm	Rc1/4	5 micron	Manual	Polycarbonate	With quick release	Bleed
AFR320-8-AD41	3/8"	9.5mm	Rc1/4	5 micron	Auto	Polycarbonate	With quick release	Bleed
AFR320-10	3/8"	9.5mm	Rc3/8	5 micron	Manual	Polycarbonate	With quick release	Bleed
AFR320-10-AD41	3/8"	9.5mm	Rc3/8	5 micron	Auto	Polycarbonate	With quick release	Bleed
AFR420-15	1/2"	12.7mm	Rc1/2	5 micron	Manual	Polycarbonate	With quick release	Bleed
AFR420-15-AD41	1/2"	12.7mm	Rc1/2	5 micron	Auto	Polycarbonate	With quick release	Bleed

#### **Technical information**

Working pressure: 0.5 – 8.5 bar, 50 – 850 kPa, 7 – 120 PSI

Working temperature: 0 − 60°C

Flow rates: Please refer to diagrams on page 7

Elements: Porous plastic

Sump capacity: AFR200: 11 mL AFR320: 52 mL AFR420: 116 mL

Visibility: 360° visibility of water level Regulator adjustment: By non-rising lockable knob

Accessories: Supplied with mounting bracket and pressure gauge as standard Servicing: No tools are required for removing bowl and replacing element

Combination sets: Combination sets are supplied as kits of components for user to assemble

Materials: Certain components in these products are made of aluminium. For equivalent products

with no aluminium components contact Parker Technical Service.

#### **CAUTION:**

Polycarbonate bowls, being transparent and tough, are ideal for use with Filters and Lubricators. They are suitable for use in normal industrial environments, but should not be located in areas where they could be subjected to direct sunlight, an impact blow, nor temperatures outside of the rated range. As with most plastics, some chemicals can cause damage. Polycarbonate bowls should not be exposed to chlorinated hydro-carbons, ketones, esters and certain alcohols. They should not be used in air systems where compressors are lubricated with fire-resistant fluids such as phosphate ester and di-ester types.

Metal bowls are recommended where ambient and/or media conditions are not compatible with polycarbonate bowls. Metal bowls resist the action of most such solvents, but should not be used where strong acids or bases are present or in salt laden atmospheres. Consult the factory for specific recommendations where these conditions exist.

#### **CAUTION:**

**REGULATOR PRESSURE ADJUSTMENT** – The working range of knob adjustment is designed to permit outlet pressures within their full range. Pressure adjustment beyond this range is also possible because the knob is not a limiting device. This is a common characteristic of most industrial regulators, and limiting devices may be obtained only by special design.

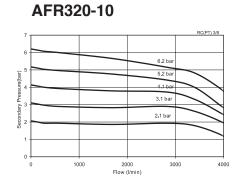
TO CLEAN POLYCARBONATE BOWLS USE MILD SOAP AND WATER ONLY!

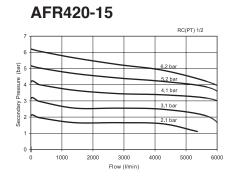
**DO NOT** use cleansing agents such as acetone, benzene, carbon tetrachloride, gasoline, toluene, etc., which are damaging to this plastic.

# **Air Line Filter/ Regulators**

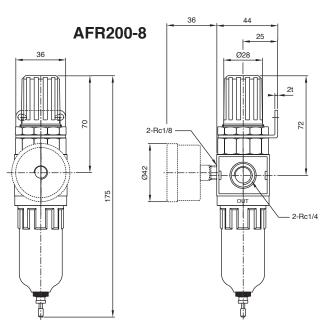
#### **Performance Characteristics**

# AFR200-8 RC(PT) 1/4 6 6.2 bar 4.1 bar 3.1 bar 2.1 bar





#### **Dimensions**

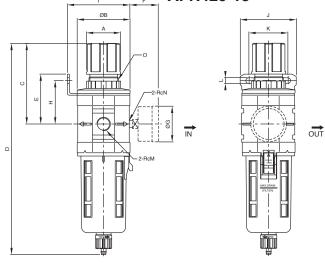


For information on mountings and accessories please refer to page 16

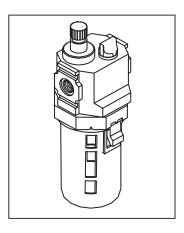
#### AFR320-8 AFR320-10 AFR420-15

#### For panel mounting

Part	Hole	Max. panel
Number	dia	thickness
AFR200-8	30	4
AFR320-8	37	4
AFR320-10	37	4
AFR420-15	43	4



MODEL	Α	В	С	D	Е	F	G	Н	I	J	K	L	M	N	0
AFR320	42	65	98	248	61.5	30	45	53.5	77	69	48	7	1/4 3/8	1/8	M36X1.5
AFR420	50	80	110	279	65	35	54	57	94.5	84	63	7	1/2	1/4	M42X1.5



#### **Features**

- High flow rates
- Oil delivery proportional to air flow
- Modular system with BSPT ports
- Global product
- Secure but easily removable bowls
- 360° visibility of oil level and oil feed
- FRL units may be assembled for right-to-left or left-to-right flow pattern

#### **Ordering Information**

Part	Nominal	Port		
Number	body size	size	Bowl	Bowl guard
AL200-8	1/8" 3.1mm	Rc1/4	Polycarbonate	None
AL320-8	3/8" 9.5mm	Rc1/4	Polycarbonate	With quick release
AL320-10	3/8" 9.5mm	Rc3/8	Polycarbonate	With quick release
AL420-15	1/2"12.7mm	Rc1/2	Polycarbonate	With quick release

#### **Technical information**

Working pressure: 0.5 – 8.5 bar, 50 – 850 kPa, 7 – 120 PSI

Working temperature:  $0 - 60^{\circ}$ C

Flow rates: Please refer to diagrams on page 9

Minimum flow for lubrication: 0.6 L/s (ANR) @ 6.9 bar

Bowl capacity: AL200: 28 mL AL320: 114 mL AL420: 214 mL

Visibility: 360° visibility of oil level and feed rate
Filling: No need to turn the air off for filling with oil
Servicing: No tools are required for removing bowl

Accessories: Lubricator-to-regulator bolt kit supplied with each AL200 lubricator

Combination sets: Combination sets are supplied as kits of components for user to assemble

Materials: Certain components in these products are made of aluminium. For equivalent products

with no aluminium components contact Parker Technical Service.

Suggested lubricant: Petroleum based oil of 100 to 200 SSU viscosity at 100°F (38°C) and an aniline

point greater than 200°F (93°C)

#### **CAUTION:**

Polycarbonate bowls, being transparent and tough, are ideal for use with Filters and Lubricators. They are suitable for use in normal industrial environments, but should not be located in areas where they could be subjected to direct sunlight, an impact blow, nor temperatures outside of the rated range. As with most plastics, some chemicals can cause damage. Polycarbonate bowls should not be exposed to chlorinated hydro-carbons, ketones, esters and certain alcohols. They should not be used in air systems where compressors are lubricated with fire-resistant fluids such as phosphate ester and di-ester types.

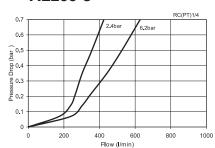
Metal bowls are recommended where ambient and/or media conditions are not compatible with polycarbonate bowls. Metal bowls resist the action of most such solvents, but should not be used where strong acids or bases are present or in salt laden atmospheres. Consult the factory for specific recommendations where these conditions exist.

TO CLEAN POLYCARBONATE BOWLS USE MILD SOAP AND WATER ONLY! DO NOT use cleansing agents such as acetone, benzene, carbon tetrachloride, gasoline, toluene, etc., which are damaging to this plastic.

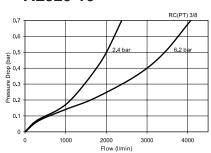
## **Air Line Lubricators**

#### **Performance Characteristics**

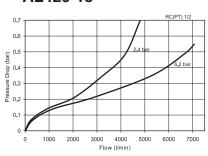




AL320-10



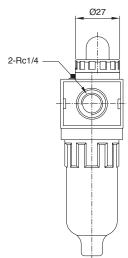
AL420-15



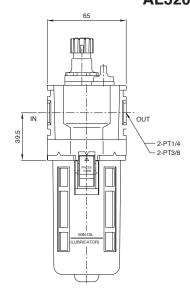
#### **Dimensions**

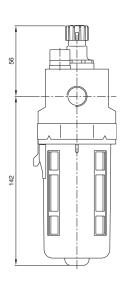
**AL200-8** 

□38 4 30 37 138.5

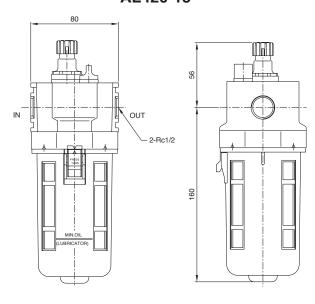


AL320-8 AL320-10





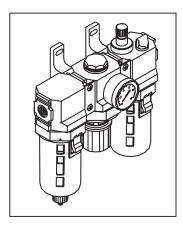
AL420-15



For information on mountings and accessories please refer to page 16

### Filter + Regulator + Lubricator Sets **AU Series**

#### Parker AF/AR/AL Series **Air Preparation Units**



#### **Features**

- Large surface 5 micron elements
- High flow rates
- Highly efficient in removing liquids
- Highly efficient in removing solids
- Accurate pressure regulation
- Oil delivery proportional to air flow
- Modular system with BSPT ports
- Body connectors included •
- Secure but easily removable bowls

- Bowl guards are standard
- 360° visibility of water and oil level
- Mounting brackets included
- Pressure gauge included
- Global product

FRL units may be assembled for right-to-left or left-to-right flow pattern

- Non-rising removable adjustment knobs
- Balanced poppets

#### Ordering Information

Part	Nominal	Port		Regulator			
Number	body size	size	Element	Drain	Bowl	Bowl guard	Туре
AU200-8	1/8" 3.1mm	Rc1/4	5 micron	Manual	Polycarbonate	None	Bleed
AU200-8-AD20	1/8" 3.1mm	Rc1/4	5 micron	Auto	Polycarbonate	None	Bleed
AU320-8	3/8" 9.5mm	Rc1/4	5 micron	Manual	Polycarbonate	With quick release	Bleed
AU320-8-AD41	3/8" 9.5mm	Rc1/4	5 micron	Auto	Polycarbonate	With quick release	Bleed
AU320-10	3/8" 9.5mm	Rc3/8	5 micron	Manual	Polycarbonate	With quick release	Bleed
AU320-10-AD41	3/8" 9.5mm	Rc3/8	5 micron	Auto	Polycarbonate	With quick release	Bleed
AU420-15	1/2" 12.7mm	Rc1/2	5 micron	Manual	Polycarbonate	With quick release	Bleed
AU420-15-AD41	1/2" 12.7mm	Rc1/2	5 micron	Auto	Polycarbonate	With quick release	Bleed

#### **Technical information**

Working pressure: 0.5 - 8.5 bar, 50 - 850 kPa, 7 - 120 PSI

Working temperature:  $0 - 60^{\circ}C$ 

Flow rates: Please refer to diagrams on preceding pages

Filter elements: Porous plastic

Please refer to specifications for individual components Bowl capacity:

360° visibility of water level Filter visibility: Regulator adjustment: By non-rising lockable knob

Lubricator visibility: 360° visibility of oil level and feed rate

Supplied with mounting/connector kits and pressure gauge as standard Accessories:

No tools are required for removing bowl and replacing element Servicing:

Combination sets: Combination sets are supplied as kits of components for user to assemble

Materials: Certain components in these products are made of aluminium. For equivalent products

with no aluminium components contact Parker Technical Service.

#### **CAUTION:**

Polycarbonate bowls, being transparent and tough, are ideal for use with Filters and Lubricators. They are suitable for use in normal industrial environments, but should not be located in areas where they could be subjected to direct sunlight, an impact blow, nor temperatures outside of the rated range. As with most plastics, some chemicals can cause damage. Polycarbonate bowls should not be exposed to chlorinated hydro-carbons, ketones, esters and certain alcohols. They should not be used in air systems where compressors are lubricated with fire-resistant fluids such as phosphate ester and di-ester types.

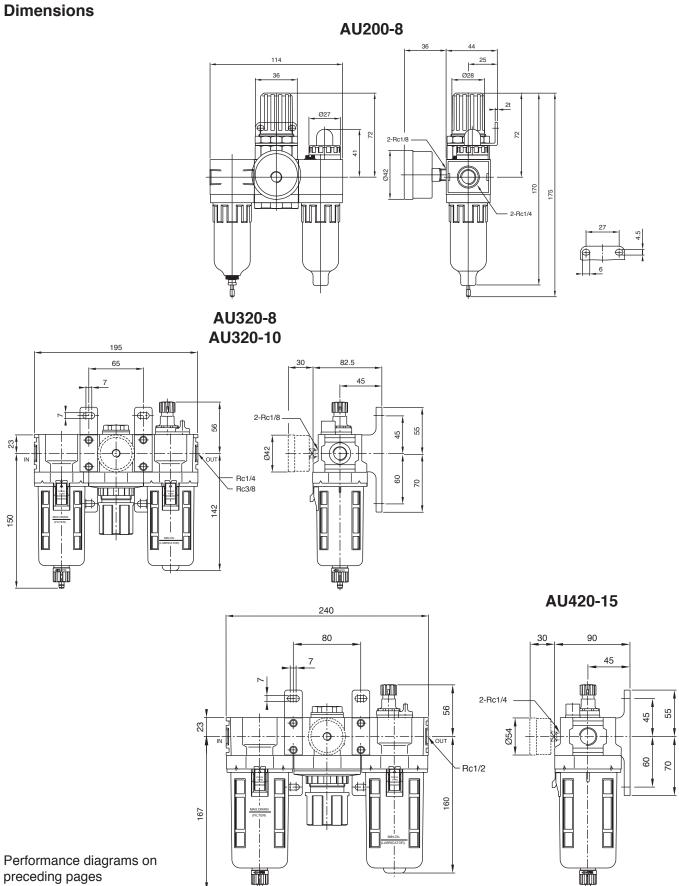
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**REGULATOR PRESSURE ADJUSTMENT –** The working range of knob adjustment is designed to permit outlet pressures within their full range. Pressure adjustment beyond this range is also possible because the knob is not a limiting device. This is a common characteristic of most industrial regulators, and limiting devices may be obtained only by special design.

#### TO CLEAN POLYCARBONATE BOWLS USE MILD SOAP AND WATER ONLY!

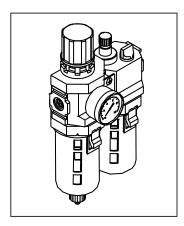
DO NOT use cleansing agents such as acetone, benzene, carbon tetrachloride, gasoline, toluene, etc., which are damaging to this plastic.

#### CAUTION:



### Filter/Regulator + Lubricator Sets **AU Series**

#### Parker AF/AR/AL Series **Air Preparation Units**



#### **Features**

- Large surface 5 micron elements
- High flow rates
- Highly efficient in removing liquids
- Highly efficient in removing solids
- Accurate pressure regulation
- Oil delivery proportional to air flow
- Modular system with BSPT ports
- Body connectors included •
- Secure but easily removable bowls

- Bowl guards are standard
- 360° visibility of water and oil level
- Mounting brackets included
- Pressure gauge included
- Global product

FRL units may be assembled for right-to-left or left-to-right flow pattern

- Non-rising removable adjustment knobs
- Balanced poppets

#### Ordering Information

Part	Nominal	Port	Filter/Regulator and Lubricator								
Number	body size	size	Element	Drain	Bowl	Bowl guard	Туре				
AU210-8	1/8" 3.1mm	Rc1/4	5 micron	Manual	Polycarbonate	None	Bleed				
AU210-8-AD20	1/8" 3.1mm	Rc1/4	5 micron	Auto	Polycarbonate	None	Bleed				
AU321-8	3/8" 9.5mm	Rc1/4	5 micron	Manual	Polycarbonate	With quick release	Bleed				
AU321-8-AD41	3/8" 9.5mm	Rc1/4	5 micron	Auto	Polycarbonate	With quick release	Bleed				
AU321-10	3/8" 9.5mm	Rc3/8	5 micron	Manual	Polycarbonate	With quick release	Bleed				
AU321-10-AD41	3/8" 9.5mm	Rc3/8	5 micron	Auto	Polycarbonate	With quick release	Bleed				
AU421-15	1/2" 12.7mm	Rc1/2	5 micron	Manual	Polycarbonate	With quick release	Bleed				
AU421-15-AD41	1/2" 12.7mm	Rc1/2	5 micron	Auto	Polycarbonate	With quick release	Bleed				

#### **Technical information**

0.5 - 8.5 bar, 50 - 850 kPa, 7 - 120 PSI Working pressure:

Working temperature: 0 - 60°C

Flow rates: Please refer to diagrams on preceding pages

Filter elements: Porous plastic

Bowl capacity: Please refer to specifications for individual components

Filter visibility: 360° visibility of water level Regulator adjustment: By non-rising lockable knob

Lubricator visibility: 360° visibility of oil level and feed rate

Accessories: Supplied with mounting/connector kit and pressure gauge as standard

No tools are required for removing bowl and replacing element Servicina:

Combination sets: Combination sets are supplied as kits of components for user to assemble

Materials: Certain components in these products are made of aluminium. For equivalent products

with no aluminium components contact Parker Technical Service.

#### **CAUTION:**

Polycarbonate bowls, being transparent and tough, are ideal for use with Filters and Lubricators. They are suitable for use in normal industrial environments, but should not be located in areas where they could be subjected to direct sunlight, an impact blow, nor temperatures outside of the rated range. As with most plastics, some chemicals can cause damage. Polycarbonate bowls should not be exposed to chlorinated hydro-carbons, ketones, esters and certain alcohols. They should not be used in air systems where compressors are lubricated with fire-resistant fluids such as phosphate ester and di-ester types.

Metal bowls are recommended where ambient and/or media conditions are not compatible with polycarbonate bowls. Metal bowls resist the action of most such solvents, but should not be used where strong acids or bases are present or in salt laden atmospheres. Consult the factory for specific recommendations where these conditions exist.

**REGULATOR PRESSURE ADJUSTMENT –** The working range of knob adjustment is designed to permit outlet pressures within their full range. Pressure adjustment beyond this range is also possible because the knob is not a limiting device. This is a common characteristic of most industrial regulators, and limiting devices may be obtained only by special design.

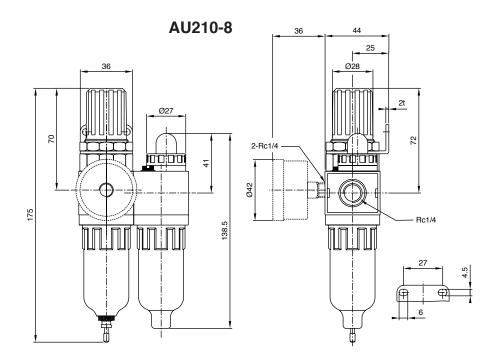
#### TO CLEAN POLYCARBONATE BOWLS USE MILD SOAP AND WATER ONLY!

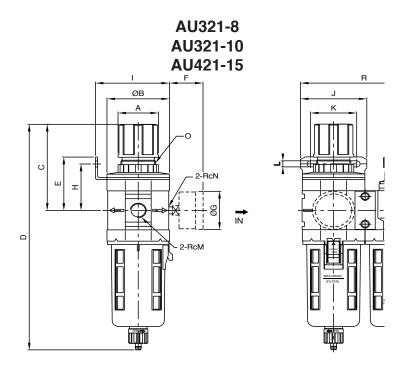
DO NOT use cleansing agents such as acetone, benzene, carbon tetrachloride, gasoline, toluene, etc., which are damaging to this plastic.

#### CAUTION:

# Filter /Regulator + Lubricator Sets Air Preparation Units

#### **Dimensions**





MODEL	Α	ØB	С	D	Е	F	ØG	Н	ı	J	K	L	M	N	0	Р	Q	R
AU321	42	65	98	248	61.5	30	45	53.5	77	69	48	7	1/4 3/8	1/8	M36X1.5	56	198	132
AU421	50	80	110	279	65	35	54	57	94.5	84	63	7	1/2	1/4	M42X1.5	56	216	163

Performance diagrams on preceding pages

# **Accessories and Spare Parts**

Filters	AF200	AF320	AF420
Repair kit	N.A.	N.A.	N.A.
Bowl kit *** Bowl guard	AU200KABPM N.A.	AU320KABGM Included above	AU420KABGM Included above
Auto drain kit Manual drain kit	AD20 AU200KADM	AD41 PS512P	AD41 PS512P
Filter element kit, 5 micron	AU200KAESE	AU320KAESE	AU420KAESE
Mounting brackets and connectors		See page 16	

N.A. = Not available

<sup>\*\*\* =</sup> Buy drain kit separately

Regulators	AR200	AR320	AR420
Piston and valve repair kit* Adjuster repair kit**	AU200KARR AU200KAPN	AU320KARR AU320KAPN	AU420KARR AU420KAPN
Pressure gauge, 0-10 bar	GAD40	GAD40	GAD50
Mounting brackets and connectors		See page 16	

<sup>\* =</sup> Valve, valve spring, spring housing, piston and seals

<sup>\*\* =</sup> Handle, stop and screw assembly

<sup>\*\*\* =</sup> Buy drain kit separately

# **Accessories and Spare Parts**

Filter/Regulators	AFR200	AFR320	AFR420
Piston and valve repair kit* Adjuster repair kit**	AU200KARR AU200KAPN	AU320KARR AU320KAPN	AU420KARR AU420KAPN
Bowl kit *** Bowl guard	AU200KABPM N.A.	AU320KABGM Included above	AU420KABGM Included above
Auto drain kit Manual drain kit	AD20 AU200KADM	AD41 PS512P	AD41 PS512P
Filter element kit, 5 micron	AU200KAESE	AU320KAESE	AU420KAESE
Pressure gauge, 0-10 bar	GAD40	GAD40	GAD50
Mounting brackets and connectors		See page 16	

N.A. = Not available

\* = Valve, valve spring, spring housing, piston and seals

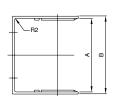
\*\* = Handle, stop and screw assembly

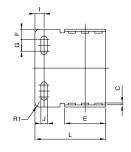
\*\*\* = Buy drain kit separately

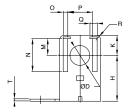
Lubricators	AL200	AL320	AL420
Repair kit	N.A.	N.A.	N.A.
Bowl kit Bowl guard	AU200KABPN N.A.	AU320KABGN Included above	AU420KABGN Included above
Fill plug kit Sight dome kit	AU200KAPL AU200KASD	AU320KAPL	AU320KAPL
Drip control kit	7.020010.00	AU320KASD	AU320KASD
Mounting brackets and connectors		See page 16	

# **Mountings and Connectors**

#### Bracket BKC320, BKC420





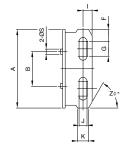


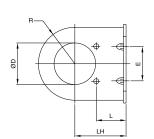
Part Number	For use with	
BKC320	AF320 AL320	
BKC420	AF420 AL420	

	Α	В	ØD	E	F	G	Н	ı	J	<u>K</u>
BKC320	65	70	18	4.5	10.5	13	26	10	7	22
BKC420	80	85	22	4.5	10.5	13	26	10	7	22

	L	М	N	0	Р	Q	R	R1	R2	<u>T</u>
BKC320	77.5	18.3	36	5	27.2	8	4	5	2	2.3
BKC420	77.5	18.3	36	5	27.2	8	5	5	2	2.3

#### Bracket BKL320, BKL420





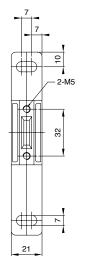


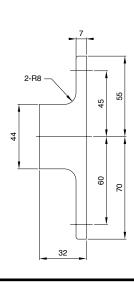
Part Number	For use with				
BKL320	AR320 AFR320				
BKL420	AR420 AFR420				

	Α	В	ØD	Е	F	G	Н	1	J	K
BKL320	69	30.7	36.5	30	10.5	13	26	8	7	10
BKL420	84	36.8	42.5	40	10.5	13	26	8	7	10

	L	LH	R	R1	ØS	Т	Z*	
BKL320	26.2	45	32	2	4.5	2.3	60	
BKL420	33.3	55	39.5	2	4	2.3	60	

#### Connector/Mounting Bracket BKU320, BKU420





Part Number	For use with	Comprising
BKU320	AU320	Two connector/mounting
BKU420	AU420	brackets, four bolts and two O-rings
BKU321	AU321	One connector,
BKU421	AU421	two bolts and one O-ring

Refer pages 11 and 13 for dimensions