

Compressed Air Filters

Produce Instrument Quality Air

Balston compressed air filters remove 99.99% of 0.01 micron particles of oil, water, and dirt from compressed air and other gases. The liquid releases from the filter cartridge to an automatic drain as rapidly as it enters the filter. This allows the compressed air filter to continue removing liquids without loss of efficiency or flow capacity. To order, simply match the line size and required flow rate to one of the five filter assembly choices below.

Models A914, A914A, A914D, A914P

The A914 is the standard model which utilizes a standard manual threaded drain. Every model has a transparent polycarbonate bowl with the exception of the A914A which has a zinc bowl. Models A914D and A914P include simple, reliable automatic drains designed for low flow applications with moderate levels of liquid contaminate. The A914D will drain liquid contaminate when the compressed air system pressure drops below 5 psig. The A914P is designed to empty condensate when there is a sudden pressure drop in the system.

Models 2002, 2003, 2004

Models 2002 and 2003 have increased liquid holding capacity and are equipped with high capacity float drains, differential pressure indicators, sightglass, pressure relief valve, and 1/4 turn bayonet bowl closures. They include 1/4" and 3/8" line size assemblies whereas the 2004 series is designed with 1/2" air line size with low flow rates.



A914D,
A914P, A914



A914A



2002N - 2004N
Series

Principal Specifications

Model #	A914	A914A	2002, 2003, 2004 (1)
Port Size	1/4" NPT	1/4" NPT	1/4", 3/8" 1/2" NPT
Flow Rate	8 scfm (225 l/min)	8 scfm (225 l/min)	25 scfm (700 l/min)
Materials of Construction			
Head	Anodized Aluminum	Anodized Aluminum	Anodized Aluminum
Bowl	Polycarbonate	Zinc	Anodized Aluminum
Internals	Nylon	Nylon	Nylon
Seals	Buna-N	Buna-N	Buna-N
Maximum Temperature	120°F (49°C)	220°F (104°C)	130°F (54°C) (2)
Maximum Pressure (3)	150 psig	250 psig	250 psig
Minimum Pressure (4)	5 psig	5 psig	40 psig
Shipping Weight	0.5 lbs. (0.2 kg)	0.5 lbs. (0.2 kg)	2.0 lbs. (0.9 kg)
Dimensions	1.5"W x 4.0"L (4 cm x 10 cm)	1.5"W x 4.0"L (4 cm x 10 cm)	3.3"W x 8.5"L (8 cm x 20 cm)

To order, simply select the matching pipe size to the filter port size, and match the temperature and pressure ratings to your application

Ordering Information

Model #	A914-BX(8)	A914A-BX(8)	2002N-1B1-BX, 2003N-1B1-BX 2004N-1B1-BX (1)
Replacement Filter Cartridges			
No. Required	1 (included)	1 (included)	1 (included)
Box of 5	5/050-05-BX	5/050-05-BX	5/100-12-BX
Box of 10	5/050-05-BX	5/050-05-BX	100-12-BX

Notes:

- Lifetime (20 year) Warranty included. Contact your local representative for details.
- Auto drain and differential pressure indicator are temperature limiting factors. For temperature capabilities to 220°F (104°C), order assemblies without automatic drain and differential pressure indicator.
- Max. pressure ratings are for temps to 130°F (54°C). Consult factory for max pressure ratings at elevated temperatures.
- Required for proper operation of piston drain, overnight drain, or float drain.
- Order A914D-_X for overnight drain installed in the assembly
Order A914P-_X for piston drain installed in the filter assembly
Order A914A-_X for aluminum bowl and 250 psig rating

Compressed Air Filter Regulators

Produce Instrument Quality Air

Filter Regulator Combinations

Balston Filter Regulators combine a high efficiency coalescing filter with a high quality pressure regulator. The filter is a Balston coalescing compressed air filter (grade BX) and will completely remove oil, water, and dirt from compressed air and other compressed gases.

Models AFR-940, AFR-940A

These filter models will completely remove oil, water, and dirt from compressed air and other gases. Models AFR-940 and AFR-940A include 1/4" line size assemblies. The flow direction of the filter models is inside to outside for optimum oil and water removal.



AFR-940,
AFR-940A



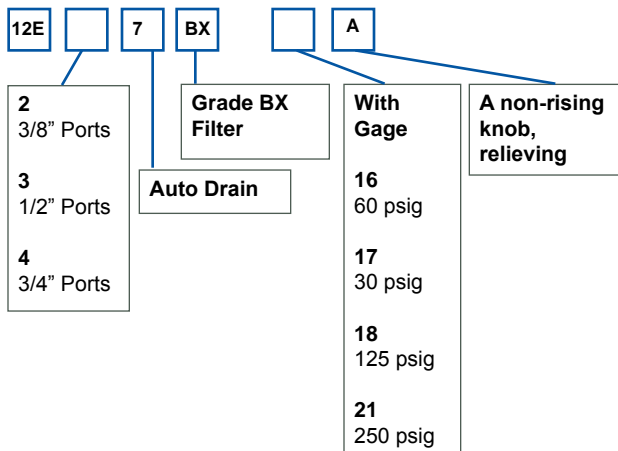
12E
Series

Models 12E27 and 12E37

Models 12E27 and 12E37 are Balston Filter Regulators that combine a high efficiency coalescing filter with a high quality pressure regulator. They include an automatic drain for 3/8" and 1/2" ports allowing a maintenance free-operation. Pressure gauges are standard and are available in up to 4 different ranges.

How to Order a FILTER REGULATOR:

To order product with desired port size and regulating pressure range, select the indicator digits from the matrix below. This will complete the entire model number needed to place an order.



Principal Specifications

Model #	AFR-940	AFR-940A	12E27	12E37
Port Size	1/4" NPT	1/4" NPT	3/8" NPT	1/2" NPT
Gauge Ports	1/8" NPT	1/8" NPT	1/4" NPT	1/4" NPT
Flow Rates	8 scfm (225 l/min)	8 scfm (225 l/min)	20 scfm (550 l/min)	8 scfm (550 l/min)
Mat'l. of Constr.				
Head	Anod. Alum.	Anod. Alum.	Zinc	Zinc
Bowl	Polycarb.	Anod. Alum.	Zinc	Zinc
Internals	Nylon	Polycarb.	Plastic	Plastic
Seals	Brass/Buna	Brass/Buna	Zinc/Nitrile	Zinc/Nitrile
Max. Temp.	220°F (104°C)	220°F (104°C)	125°F (52°C)	125°F (52°C)
Max. Press. (3)	150 psig	250 psig	250 psig	250 psig
Min. Press. (4)	---	---	15 psig	15 psig
Shipping Wt.	0.5 lbs. (0.2 kg)	0.5 lbs. (0.2 kg)	2.5 lbs. (1.1 kg)	2.5 lbs. (1.1 kg)
Dimensions	1.2"W x 6"L (3 cm x 15 cm)	1.2"W x 6"L (3 cm x 15 cm)	3.25"W x 13"L (8 cm x 33 cm)	3.25"W x 13"L (8 cm x 33 cm)

Ordering Information

Model #	AFR-940	AFR-940A	12E27, 12E37
Control Gauge			
Pressure Range			
0-30 psig	AFR-940-30	AFR-940A-30	SEE MATRIX
5-60 psig	AFR-940-60	AFR-940A-60	SEE MATRIX
10-130 psig	AFR-940-130	AFR-940A-130	SEE MATRIX
Auto Drain (1)	N/A	N/A	INCLUDED
Replacement Filter Cartridges (3)			
# Required	1	1	1
Box of 5	5/050-05-BX	5/050-05-BX	5-130-14-BX
Box of 10	050-05-BX	050-05-BX	130-14-BX
Mounting Bracket	11536	11536	PS807P

Notes:

1 Minimum operating pressure for automatic drain is 15 psig.

2 Maximum pressure ratings are for temperatures to 130°F (54°C). Please consult the factory for maximum pressure ratings at elevated temperatures.

3 Filter regulators are shipped with one filter cartridge installed.