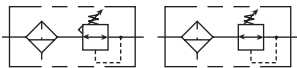
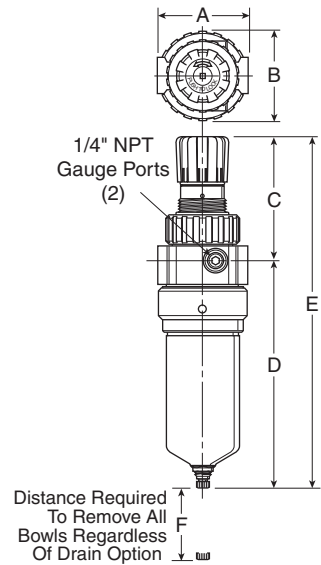


12E Filter / Regulator – Coalescing



Features

- Space saving package offers both coalescer and regulator features for optimal performance.
- Removes liquid, aerosol and sub-micron particles.
- Rolling diaphragm for extended life.
- Removable non-rising knob for panel mounting and tamper resistance.
- Quick response, and accurate pressure regulation regardless of changing flow or inlet pressure.
- Two high flow 1/4" gauge ports can be used as additional outlets.
- High Flow: Grade 6 Element
 - 3/8" – 35 SCFM[§]
 - 1/2" – 40 SCFM[§]
 - 3/4" – 45 SCFM[§]



Port Size	NPT
Twist Drain	
3/8"	12E23E13A*
1/2"	12E33E13A*
3/4"	12E43E13A*
Automatic Float Drain	
3/8"	12E27E13A*
1/2"	12E37E13A*
3/4"	12E47E13A*

12E Filter / Regulator Dimensions			
A	B	C	D
3.24 (82)	3.25 (83)	4.79 (122)	8.20 (208)
D [†]	E	E [†]	F
8.17 (208)	12.99 (330)	12.96 (329)	3.29 (84)

Inches (mm)
† With Twist Drain or Auto Float Drain

Standard part numbers shown bold. For other models refer to ordering information below.

§ SCFM = Standard cubic feet per minute at 150 psig inlet, 90 psig no flow secondary setting and 10 psig pressure drop.
NOTE: 2.00 Dia. (50.8 mm) hole required for panel mounting.

⚠ WARNING

**Product rupture can cause serious injury.
Do not connect regulator to bottled gas.
Do not exceed maximum primary pressure rating.**

Ordering Information



Port Size 2 3/8 Inch 3 1/2 Inch 4 3/4 Inch	Elements E Grade 6 H Grade 10	Port Size <u>Without Gauge</u> 11 60 psig 13 125 psig 15 250 psig <u>With Gauge</u> 16 60 psig 18 125 psig 21 250 psig	Relief A Relieving L Non-Relieving	Port Type Blank NPT 1* BSPP 2 BSPT <small>* 3/8 & 1/2 inch meet ISO 1179-1 Standard.</small>	Preset Blank None XXX* Preset Pressure
Bowl Options <u>Metal Bowl</u> 3 Twist Drain 7 Automatic Float Drain			Engineering Level * Will be Entered at Factory	Options Blank L [†] Preset No Options Non-Adjustable P [†] Preset Adjustable	<small>* Available Preset Range, 10 to 90 psig in 5 psig increments. For higher pressures, contact factory. (Example: 065 = 65 psig)</small>

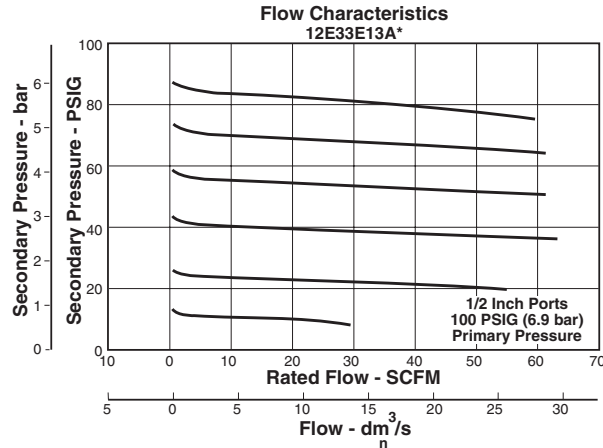
Spring Type by Preset / Limited Pressure:
 For Preset / Limited Pressure 10 to 25 use 30 PSI Spring
 For Preset / Limited Pressure 26 to 50 use 60 PSI Spring
 For Preset / Limited Pressure 51 to 90 use 125 PSI Spring

† Inlet Pressure is 100 psig. For other pressures, contact factory.

BOLD ITEMS ARE MOST POPULAR.



Technical Information



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.

For best performance, regulated pressure should always be set by increasing the pressure up to the desired setting.

12E Filter / Regulator Kits & Accessories

- Bonnet Assembly Kit** PS715P
- Bowl Kits –**
 - Metal Bowl – Automatic Float Drain.....PS826P
 - Twist Drain.....PS834P
 - Push 'N' Drain.....PS825P
- Control Knob** P04069B
- Drain Kits –**
 - Automatic Float Drain.....PS506P
 - Twist Drain.....PS512P
 - Push 'N' Drain.....PS513P
- Filter Element Kits –**
 - Grade 6.....PS884P
 - Grade 10.....PS885P
- Gauges –**
 - 60 psig (0 to 4.1 bar) K4520N14060
 - 160 psig (0 to 11.0 bar).....K4520N14160
 - 300 psig (0 to 20.0 bar)..... K4520N14300
- Mounting Bracket Kit** (Includes Panel Mount Nut) PS807P
- Service Kit – Relieving** (Includes Poppet)PS886P
- Springs –**
 - 1- 30 psig Range.....P01698
 - 1- 60 psig Range.....P04062
 - 2- 125 psig Range.....P04063
 - 5- 250 psig Range.....P04064
- Tamperproof Kit** (Key Lock)..... PS737P

Specifications

- Bowl Capacity**7.2 Ounces
- Gauge Ports (2)** 1/4 Inch
 (Can be used as Additional Full Flow 1/4" Outlet Ports)
- Port Threads** 3/8, 1/2, 3/4 Inch
- Pressure & Temperature Ratings –**
 - Metal Bowl – 0 to 250 psig (0 to 17.2 bar)
 32°F to 175°F (0°C to 80°C)

Secondary Pressure Ranges –

- Standard Pressure 2 to 125 psig (0 to 8.6 bar)
- Low Pressure 1 to 60 psig (0 to 4.1 bar)
- High Pressure 5 to 250 psig (0.4 to 17.2 bar)

- Sump Capacity** 2.8 Ounces
- Weight**2.5 lb. (1.1 kg)

Materials of Construction

- Adjusting Stem**Steel
- Body** Zinc
- Bonnet, Internal Parts** Plastic
- Bowls Available – Metal** (Without Sight Gauge) Zinc
- Collar For Bonnet** Metal
- Control Spring**.....Steel
- Diaphragm**Nitrile
- Drains –**
 - Manual Twist Drain Standard
 Body & Nut Plastic
 - Manual Push 'N' Drain Optional
 BodyNitrile
 Stem Brass
 - Automatic Float Drain Optional
 (Interchangeable for Field Conversions)
 Operating Range..... 10 to 250 psig (.7 to 17.2 bar)
 Housing, Float Plastic
 Seals.....Nitrile
 Springs, Push Rod Stainless Steel
- Knob** Plastic
- Filter Element –**
 - Borosilicate & felt glass fibers 99.97% DOP efficiency
 Largest Aerosol Particle Passed (Grade 6).....0.75 Microns
 Largest Solid Particle Passed (Grade 6) 0.30 Microns
- Seals**Nitrile
- Sight Gauge**..... Polyamide
- Springs –** Poppet Stainless



C	Product Selector
Filters	Filters
Coalescers	Coalescers
Regulators	Regulators
Filter / Regulators	Filter / Regulators
Lubricators	Lubricators
Combos	Combos
Accessories	Accessories