

 **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.

Metal bowl guards are recommended for all applications.

 **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.

 **WARNING**

FAILURE OR IMPROPER SELECTION OR IMPROPER USE OF THE PRODUCTS AND/OR SYSTEMS DESCRIBED HEREIN OR RELATED ITEMS CAN CAUSE DEATH, PERSONAL INJURY AND PROPERTY DAMAGE.

This document and other information from Parker Hannifin Corporation, its subsidiaries and authorized distributors provide product and/or system options for further investigation by users having technical expertise. It is important that you analyze all aspects of your application including consequences of any failure, and review the information concerning the product or system in the current product catalog. Due to the variety of operating conditions and applications for these products or systems, the user, through its own analysis and testing, is solely responsible for making the final selection of the products and systems and assuring that all performance, safety and warning requirements of the application are met.

The products described herein, including without limitation, product features, specifications, designs, availability and pricing, are subject to change by Parker Hannifin Corporation and its subsidiaries at any time without notice.

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General Purpose Filter / Regulators**Standard Combinations****QIX Modular FRL System**

QIX Particulate & Coalescing Filters

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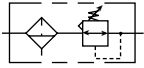
QIX Filter / Regulators

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In-Line Bronze Filters**Tank Drains****WMPS31 Pressure Sensor****Offer of Sale**

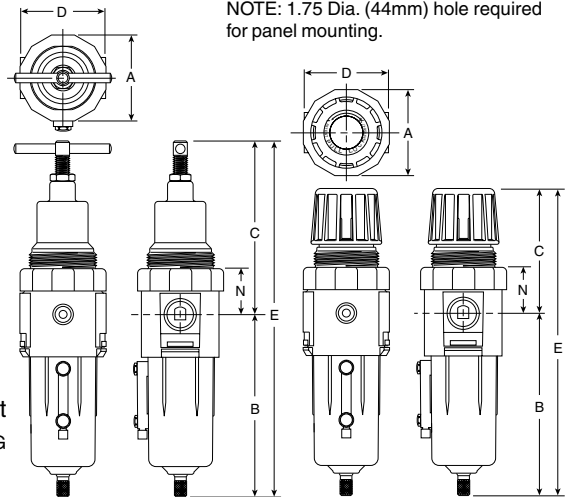
B11 / B12 General Purpose Filter / Regulators



Features

- High Flow Performance
- Diaphragm Operated Design
- Excellent Water Removal Efficiency
- Metal Bowl with Sight Gauge, Twist Drain and 40 Micron Element Standard
- Panel Mountable
- High Flow: 1/4" - 70 SCFM
 3/8" - 70 SCFM
 1/2" - 80 SCFM[§]
- **B11:** Push-to-Lock, Pull-to-Adjust. Adjusting Lock is engaged when Knob is Removed Rendering Unit Tamper Resistant
- **B12:** Heavy Duty Tee Handle Adjustment

[§] SCFM = Standard cubic feet per minute at 100 PSIG inlet, 75 PSIG no flow secondary setting, and 20 PSIG pressure drop.



Port Size	B11 NPT		B12 NPT	
	Manual Twist Drain	Auto Drain	Manual Twist Drain	Auto Drain
Zinc Bowl / Sight Gauge				
1/4"	B11-02WJC	B11-02WJCR	B12-02WJC	B12-02WJCR
3/8"	B11-03WJC	B11-03WJCR	B12-03WJC	B12-03WJCR
1/2"	B11-04WJC	B11-04WJCR	B12-04WJC	B12-04WJCR

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

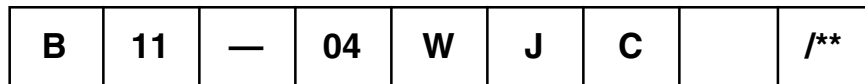
B11 / B12 Integral Filter / Regulator Dimensions					
A	B	C	D	E	N
B11					
2.33 (59)	4.97 (126)	3.41 (86.5)	2.23 (56)	8.38 (213)	1.25 (31.8)
B12					
2.33 (59)	4.97 (126)	4.69 (119)	2.23 (56)	9.69 (249)	1.25 (31.8)

inches
(mm)

⚠ WARNING

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

Ordering Information



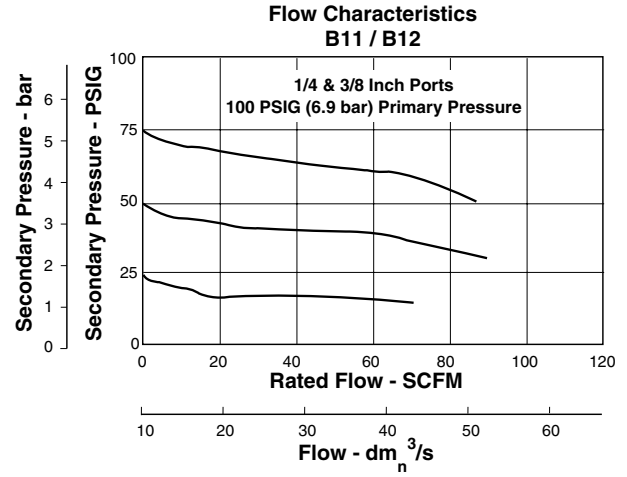
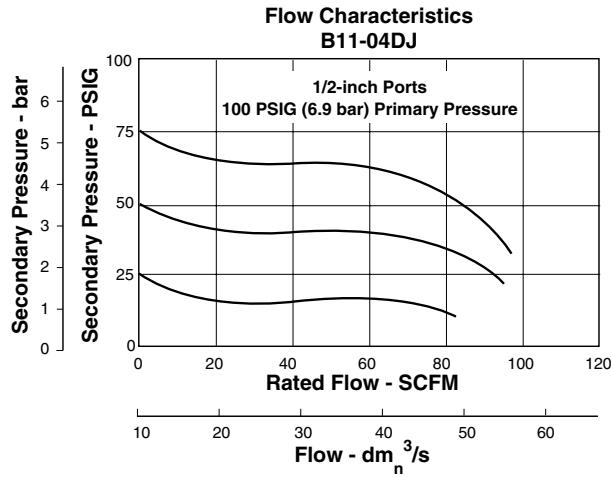
<p>Series</p> <p>11 Tamper Resistant, Snap Lock, Removable Knob</p> <p>12 T-handle</p>	<p>Port Threads</p> <p>— NPT</p> <p>G BSPP</p>	<p>Port Size</p> <p>02 1/4 Inch</p> <p>03 3/8 Inch</p> <p>04 1/2 Inch</p>	<p>Bowl</p> <p>D Metal without Sight Gauge</p> <p>W Metal with Sight Gauge</p>	<p>Reduced Pressure Range</p> <p>A 0-25 PSIG</p> <p>B 0-60 PSIG</p> <p>C 0-125 PSIG</p> <p>D 0-250 PSIG</p>	<p>Options</p> <p>G Gauge</p> <p>K Non-Relieving</p> <p>R Internal Auto Drain</p> <p>S Automatic Pulse Drain</p> <p>X64 Fluorocarbon O-Rings and Diaphragm</p>	<p>Engineering Change Designator</p> <p>Will be entered at factory.</p>
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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.

NOTE: BOLD OPTIONS ARE STANDARD.

Technical Information



B11 / B12 Integral Filter / Regulator Kits & Accessories

Bowl Kits –

- Zinc (D) BKF11Y
- Zinc with Sight Gauge (W) BKF11WY

Cage Kits –

- B11 CKR10Y
- B12 CKR11Y

Drain Kits –

- Internal Auto Drain
(Max. Press. = 175 PSIG; Max. Temp. = 120°F) SA602MD
- Automatic Pulse Drain (Maximum Pressure = 175 PSIG) 4210

Filter Element Kits –

- 40 Micron (All) EKF10Y
- 5 Micron (All) EKF10VY

Gauges –

- 2" Dial Size, 1/4" Back Connection
0 to 60 PSIG (0 to 400 kPa) 275Y60S
- 2" Dial Size, 1/4" Back Connection
0 to 160 PSIG (0 to 1100 kPa) 275Y160S
- 2" Dial Size, 1/4" Back Connection
0 to 300 PSIG (0 to 2068 kPa) 275Y300S

Mounting Bracket Kit SAR10Y57

Panel Mount Nut –

- Plastic R10X51-P
- Aluminum R10X51-A

Repair Kits –

- Non-Relieving Diaphragm, Valve Assembly* (All) RKR10KY
- Relieving Diaphragm, Valve Assembly* (All) RKR10Y
- Internal Auto Drain Repair Kit RK602MD

* Specify same model / revision number for repair kit as for filter/regulator. For example, B11-02DJC/M3 uses RKR10YM3.

Specifications

- Bowl Capacity 4 Ounces
- Gauge Ports (2) 1/4 Inch
- Port Threads 1/4, 3/8, 1/2 Inch
- Supply Pressure
 - Zinc Bowl (D) 300 PSIG Maximum (20.4 bar)
 - Zinc Bowl with Sight Gauge (W) 250 PSIG Maximum (17.2 bar)
 - with Auto Drain 175 PSIG Maximum (12.1 bar)
- Temperature Rating –
 - Zinc Bowl 40°F to 150°F (4.4°C to 65.6°C)
 - Zinc Bowl with Auto Drain 40°F to 125°F (4.4°C to 52°C)
- Weight 1.3 lb. (0.59 kg) / Unit
12.4 lb. (5.62 kg) / 8-Unit Master Pack

Materials of Construction

Adjusting Knob –

- B11 Acetal
- B12 (Tee Handle) Steel

Body Zinc

Bowls –

- Without Sight Gauge Zinc
- With Nylon Sight Gauge Zinc

Seals Buna N

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2. Payment: Payment shall be made by Buyer net 30 days from the date of delivery of the items purchased hereunder. Amounts not timely paid shall bear interest at the maximum rate permitted by law for each month or portion thereof that the Buyer is late in making payment. Any claims by Buyer for omissions or shortages in a shipment shall be waived unless Seller receives notice thereof within 30 days after Buyer's receipt of the shipment.

3. Delivery: Unless otherwise provided on the face hereof, delivery shall be made F.O.B. Seller's plant. Regardless of the method of delivery, however, risk of loss shall pass to Buyer upon Seller's delivery to a carrier. Any delivery dates shown are approximate only and Seller shall have no liability for any delays in delivery.

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7. Special Tooling: A tooling charge may be imposed for any special tooling, including without limitations, dies, fixtures, molds and patterns, acquired to manufacture items sold pursuant to this contract. Such special tooling shall be and remain Seller's property notwithstanding payment of any charges by Buyer. In no event will Buyer acquire any interest in apparatus belonging to Seller which is utilized in the manufacture of the items sold hereunder, even if such apparatus has been specially converted or adapted for such manufacture and notwithstanding any charges paid by Buyer. Unless otherwise agreed,

Seller shall have the right to alter, discard or otherwise dispose of any special tooling or other property in its sole discretion at any time.

8. Buyer's Property: Any designs, tools, patterns, materials, drawings, confidential information or equipment furnished by Buyer, or any other items which become Buyer's property, may be considered obsolete and may be destroyed by Seller after two (2) consecutive years have elapsed without Buyer placing an order for the items which are manufactured using such property. Seller shall not be responsible for any loss or damage to such property while it is in Seller's possession or control.

9. Taxes: Unless otherwise indicated on the face hereof, all prices and charges are exclusive of excise, sales, use, property, occupational or like taxes which may be imposed by any taxing authority upon the manufacture, sale or delivery of the items sold hereunder. If any such taxes must be paid by Seller or if Seller is liable for the collection of such tax, the amount thereof shall be in addition to the amounts for the items sold. Buyer agrees to pay all such taxes or to reimburse Seller therefore upon receipt of its invoice. If Buyer claims exemption from any sales, use or other tax imposed by any taxing authority, Buyer shall save Seller harmless from and against any such tax, together with any interest or penalties thereon which may be assessed if the items are held to be taxable.

10. Indemnity For Infringement of Intellectual Property Rights: Seller shall have no liability for infringement of any patents, trademarks, copyrights, trade dress, trade secrets or similar rights except as provided in this Part 10. Seller will defend and indemnify Buyer against allegations of infringement of U.S. patents, U.S. trademarks, copyrights, trade dress and trade secrets (hereinafter "Intellectual Property Rights"). Seller will defend at its expense and will pay the cost of any settlement or damages awarded in an action brought against Buyer based on an allegation that an item sold pursuant to this contract infringes the Intellectual Property Rights of a third party. Seller's obligation to defend and indemnify Buyer is contingent on Buyer notifying Seller within ten (10) days after Buyer becomes aware of such allegations of infringement, and Seller having sole control over the defense of any allegations or actions including all negotiations for settlement or compromise. If an item sold hereunder is subject to a claim that it infringes the Intellectual Property Rights of a third party, Seller may, at its sole expense and option, procure for Buyer the right to continue using said item, replace or modify said item so as to make it noninfringing, or offer to accept return of said item and return the purchase price less a reasonable allowance for depreciation. Notwithstanding the foregoing, Seller shall have no liability for claims of infringement based on information provided by Buyer, or directed to items delivered hereunder for which the designs are specified in whole or part by Buyer, or infringements resulting from the modification, combination or use in a system of any item sold hereunder. The foregoing provisions of this Part 10 shall constitute Seller's sole and exclusive liability and Buyer's sole and exclusive remedy for infringement of Intellectual Property Rights.

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