Pneumatic devices are designed to work at a certain pressure. Most devices will operate at pressures in excess of that recommended. However, operating at higher pressures can cause excess torque, force and wear and can waste compressed air. The best operation and life of the device can be obtained by using the proper pressure level. A regulator is used to reduce and maintain the pressure at a level suitable for the device.

Arrow's quality Regulators include the Miniature Series which are high performance, low cost regulators for the O.E.M. market and low flow applications up to 25 scfm. Arrow's Tri-Star Series are compact, lightweight regulators engineered for superior performance in a wide range of applications where air flow does not exceed 100 scfm. Arrow's Midflow Series regulators are compact and available in 3/8", 1/2", 3/4" & 1" with air flows exceeding 200 SCFM. Arrow's High Flow Series heavy duty regulators are for rigorous applications requiring constant pressure for flows up to 700 scfm.

The General Purpose Precision Series features state-of-the-art engineering for precision control in critical tolerance applications. These regulators are available in standard and pilot operated models for both low and high flow applications. The Arrow Precision Regulator lineup can be tailored to fit your specific needs. All Arrow regulators are easily panel mounted. All Arrow regulators are designed with a micro seat finish to ensure no reduced pressure creep.
Miniature Air Regulators

FEATURES
- Micro seat finish to ensure no reduced pressure creep
- Diaphragm operation
- Relieving style standard
- Three position non-rising adjustment knob; push to lock, pull to adjust, detach to make tamper resistant
- Easily panel mounted
- Tamper-proof cap included

OPTIONS
add suffix to part number in alpha order
B 2-Position mechanical
    Lock Knob .............. R162B
G Gauge (5-160 psi) ........ R162G
I Instrument pressure .... R162I
    3 to 20 psi adjustment
L Low pressure .......... R162L
    3 to 60 psi adjustment
N Non-relieving ........ R162N
P Panel mount .......... R162P
U No gauge ports ....... R162U

SPECIFICATIONS
Body
- Zinc, black coated
Bonnet
- Glass filled nylon
Seals
- Buna N
Supply Pressure
- 250 psig

Operating Pressure Range
- 5 to 125 psig standard
- 3 to 60 psig optional
- 3 to 20 psig optional

Operating Temperature Range
- 40˚F to 120˚F

Gauge Ports
- 1/8” standard, full flow

KITS
Panel Mounting Kit
- Ring only, pan held size 11/8” ........ PK1611

Diaphragm Kits
- Relieving .................. RK260
- Non-relieving ............ RK260N

Bracket Kit see page 65
- Bracket and ring ............ BR1611

PERFORMANCE CHARACTERISTICS

DIMENSIONS
<table>
<thead>
<tr>
<th>PIPE SIZE</th>
<th>MODEL NO.</th>
<th>MAX. FLOW SCFM</th>
<th>DIMENSIONS (INCHES)</th>
<th>WEIGHT (Ozs.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/4”</td>
<td>R162</td>
<td>25</td>
<td>A 11/2 B 11/2 C 21/4 D 1/4</td>
<td>6</td>
</tr>
</tbody>
</table>
Miniature Air Regulators

FEATURES
- Micro seat finish to ensure no reduced pressure creep
- Diaphragm operation
- Relieving style standard
- Three position non-rising adjustment knob: push to lock, pull to adjust, detach to make tamper resistant
- Easily panel mounted
- Tamper-proof cap included
- Lightweight

OPTIONS
add suffix to part number in alpha order
B 2-Position Mechanical
   Lock Knob .............. R262B
G Gauge (0-160 psi) ........ R262G
I Instrument pressure .... R262I
   3 to 20 psi adjustment
L Low pressure ........... R262L
   3 to 60 psi adjustment
N Non-relieving ........... R262N
P Panel mount ........... R262P
U No gauge ports .......... R262U
V All 1/4 ports .......... R262V
Y1 Viton diaphragm/valve set R262Y1
Y2 EDPM diaphragm/valve set R262Y2

SPECIFICATIONS
Body
- Glass filled nylon
Bonnet
- Glass filled nylon
Seals
- Buna N
Supply Pressure
- 250 psig
Operating Pressure Range
- 5 to 125 psig standard
- 3 to 60 psig optional
- 3 to 20 psig optional
Operating Temperature Range
- 40°F to 120°F
Gauge Ports
- 1/8” standard, full flow

KITS
Panel Mounting Kit
- Ring only, panel hole size 1 1/8” ....... PK1611
Diaphragm Kits
- Relieving .................... RK260
- Non-relieving ............... RK260N
Bracket Kit see page 65
- Bracket and ring ............ BR1611
Applications
- Non-relieving diaphragm can be used on liquid applications

PERFORMANCE CHARACTERISTICS
100 psig Inlet

DIMENSIONS
<table>
<thead>
<tr>
<th>PIPE SIZE</th>
<th>MODEL NO.</th>
<th>MAX. FLOW SCFM</th>
<th>DIMENSIONS (INCHES)</th>
<th>WEIGHT (OZS.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/8”</td>
<td>R261</td>
<td>25</td>
<td>A 1/2, B 1/2, C 2 1/4, D 1 1/4</td>
<td>2</td>
</tr>
<tr>
<td>1/4”</td>
<td>R262</td>
<td>25</td>
<td>A 1/2, B 1/2, C 2 1/4, D 1 1/4</td>
<td>2</td>
</tr>
</tbody>
</table>
**Miniature Water Regulators**

**FEATURES**
- Micro seat finish ensuring no reduced pressure creep
- Sonic welded, leak-tight, non-relieving diaphragm assembly
- Water hammer and vibration dampner
- Three position adjustment knob: “push” to lock, “pull” to adjust and “detach” to make tamper resistant
- Excellent flow characteristics due to the large open outlet orifice
- Flexibility of design, offering all stainless internals and three elastomer selections
- Plastic (glass-filled nylon) construction
- One standard gauge port full flow
- Tamper-proof cap included

**OPTIONS**
add suffix to part number in alpha order
- **B** 2-Position Mechanical Lockout Knob . . . . . . . . . . . R362B
- **G** Gauge (0-160 psi) . . . . . . . . . . . . . . . . . . . . . R362G
- **I** Instrument pressure . . . . . . . . . . . . . . . . . . . R362I
  3 to 20 psi adjustment
- **L** Low pressure . . . . . . . . . . . . . . . . . . . . . . . . . R362L
  3 to 60 psi adjustment
- **P** Panel mount . . . . . . . . . . . . . . . . . . . . . . . . R362P
- **U** No gauge port . . . . . . . . . . . . . . . . . . . . . . R362U
- **V** All 1/2” ports . . . . . . . . . . . . . . . . . . . . . . . . . R362V
- **Y1** Viton diaphragm/valve set . . R362Y1
- **Y2** EDPM diaphragm/valve set . . . R362Y2

**SPECIFICATIONS**
- **Body**
  - Glass filled nylon
- **Bonnet**
  - Glass filled nylon
- **Seals**
  - Buna N elastomer standard
- **Spring**
  - 316 stainless steel
- **Valve**
  - 316 stainless steel
- **Flow**
  - 5 gpm
- **Supply Pressure**
  - 250 psig
- **Operating Pressure Range**
  - 5 to 125 psig
- **Operating Temperature Range**
  - 40°F to 120°F
- **Gauge Port**
  - (1) 1/8” standard, full flow

**KITS**
- **Panel Kit**
  - Ring only panel hole size 1½” . . . . . . PK1611
- **Diaphragm Kit**
  - Non-relieving . . . . . . . . . . . . . . . . . . R260N
- **Mini Mounting Bracket** see page 65
  - Bracket and Ring . . . . . . . . . . . . . . . . . BR1611

**APPLICATIONS**
- R360 series miniature water pressure regulator meets all pending restrictions on the use of brass in water systems.
- Prevent water hammer effect.
- Vending machines that require a water mixer
- Drinking fountains
- Home water filtration systems

**PERFORMANCE CHARACTERISTICS**

<table>
<thead>
<tr>
<th>Reduced Pressure - psig</th>
<th>Flow - gpm</th>
</tr>
</thead>
<tbody>
<tr>
<td>100</td>
<td></td>
</tr>
<tr>
<td>50</td>
<td></td>
</tr>
<tr>
<td>25</td>
<td></td>
</tr>
</tbody>
</table>

**DIMENSIONS**

<table>
<thead>
<tr>
<th>PIPE SIZE</th>
<th>MODEL NO.</th>
<th>MAX. FLOW GPM</th>
<th>DIMENSIONS (INCHES)</th>
<th>WEIGHT (OZS.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/8&quot;</td>
<td>R361</td>
<td>5</td>
<td>A: 1 1/2, B: 1/2, C: 2 1/4, D: 1 1/4</td>
<td>3</td>
</tr>
<tr>
<td>1/4&quot;</td>
<td>R362</td>
<td>5</td>
<td>A: 1 1/2, B: 1/2, C: 2 1/4, D: 1 1/4</td>
<td>3</td>
</tr>
</tbody>
</table>
**Push-to-Connect Regulators**

**FEATURES**
- Fast installation time
- Eliminates inlet and outlet fittings
- No pipe sealant
- Quick disconnect
- No tools needed
- Reduces potential leak points
- Micro-finish valve seat ensures no reduced creep
- Reduces potential leak points
- Easily panel mounted
- Tamper proof cap included
- Lightweight

**OPTIONS**
add suffix to part number in alpha order
- B 2 Position Mechanical . . . . . . . R242B
- Lock Knob
- G Gauge (0-160 psi) . . . . . . . R242G
- I Instrument pressure (3-20psi). R242G
- L Low Pressure (3 - 60 psi) . . . R242L
- N Non-relieving . . . . . . . . . . . R242N
- P Panel mount . . . . . . . . . . . . . R242P
- Y1 Viton diaphragm/valve set . . . R242Y1
- Y2 EDPM diaphragm/valve set . . . R242Y2

**SPECIFICATIONS**
- **Body**
  - Glass filled nylon
- **Bonnet**
  - Glass filled nylon
- **Seals**
  - Buna N
- **Spring**
  - 316 Stainless Steel
- **Supply Pressure**
  - 250 psig
- **Operating Pressure Range**
  - 5 to 125 psig
- **Operating Temperature Range**
  - 40°F to 120°F
- **Gauge Ports**
  - (2) 1/8" Standard, full flow R240 only

**PERFORMANCE CHARACTERISTICS**

**R242 - Air**
100 psig Inlet

**R342 - Water**
100 psig Inlet

**DIMENSIONS**

<table>
<thead>
<tr>
<th>PIPE SIZE</th>
<th>MODEL NO.</th>
<th>MAX. FLOW SCFM</th>
<th>A (INCHES)</th>
<th>B (INCHES)</th>
<th>C (INCHES)</th>
<th>WEIGHT (OZ.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/4&quot;</td>
<td>R242</td>
<td>30</td>
<td>2(\frac{3}{16})</td>
<td>1(\frac{1}{16})</td>
<td>2(\frac{3}{8})</td>
<td>2.1</td>
</tr>
<tr>
<td>1/2&quot;</td>
<td>R342</td>
<td>5</td>
<td>2(\frac{3}{16})</td>
<td>1(\frac{1}{16})</td>
<td>2(\frac{3}{8})</td>
<td>2.9</td>
</tr>
</tbody>
</table>
**Tri-Star Regulators**

**FEATURES**
- Micro finished brass seat to ensure no reduced pressure creep
- Reinforce diaphragm for repeated accuracy
- Minimal pressure droop due to efficient aspiration
- Three position non-rising adjustment knob; push to lock, pull to adjust, detach to make tamper resistant
- Relieving style standard
- In-line or modular installation
- Easily panel mounted
- Tamper-proof cap included
- High scfm flow due to efficient aspiration

**OPTIONS**
- add suffix to part number in alpha order
  - G Gauge (0-160 psi) . . . . . . . . . R354G
  - H High pressure . . . . . . . . . . . R354H
    - 10 to 250 psi adjustment
  - I Instrument pressure . . . . . . . R354I
    - 3 to 20 psi adjustment
  - L Low pressure . . . . . . . . . . . . R354L
    - 3 to 60 psi adjustment
  - N Non-relieving . . . . . . . . . . . R354N
  - P Panel mount . . . . . . . . . . . . . R354P
  - T Tee handle adjustment . . . . . . R354T

**SPECIFICATIONS**
- **Body**
  - Black coated aluminum
- **Bonnet**
  - Glass filled nylon
- **Seals**
  - Buna N Elastomer standard
- **Seat**
  - Brass
- **Supply Pressure**
  - 250 psig
- **Operating Pressure Range**
  - 5 to 125 psig
- **Operating Temperature Range**
  - 40°F to 120°F
- **Gauge Port**
  - 1/4" full flow

**KITS**
- **Repair Kits**
  - Diaphragm kit relieving . . . . . . . DK35
  - Diaphragm kit non-relieving . . . . . DK35N
  - Valve kit . . . . . . . . . . . . . . VK35
- **Mounting Kits** see page 65
  - Bracket kit . . . . . . . . . . . . RBK5
  - Panel mounting kit ring only
    - panel hole size 1 1/8" . . . . . . . PKR35
  - Panel mount bracket and ring . . . . . . PMKR35

**DIMENSIONS**

<table>
<thead>
<tr>
<th>PIPE SIZE</th>
<th>MODEL NO.</th>
<th>MAX. FLOW SCFM</th>
<th>A (WIDTH)</th>
<th>B (DEPTH)</th>
<th>C (HEIGHT)</th>
<th>D (THICKNESS)</th>
<th>E (WEIGHT)</th>
<th>WEIGHT (LBS.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/4&quot;</td>
<td>R352</td>
<td>50</td>
<td>2(^{3/4})</td>
<td>1(^{1/4})</td>
<td>5(^{1/16})</td>
<td>2(^{3/4})</td>
<td>2(^{1/4})</td>
<td>1.0</td>
</tr>
<tr>
<td>3/8&quot;</td>
<td>R353</td>
<td>80</td>
<td>2(^{3/4})</td>
<td>1(^{1/4})</td>
<td>5(^{1/16})</td>
<td>2(^{3/4})</td>
<td>2(^{1/4})</td>
<td>1.0</td>
</tr>
<tr>
<td>1/2&quot;</td>
<td>R354</td>
<td>100</td>
<td>2(^{3/4})</td>
<td>1(^{1/4})</td>
<td>5(^{1/16})</td>
<td>2(^{3/4})</td>
<td>2(^{1/4})</td>
<td>1.0</td>
</tr>
</tbody>
</table>
**midflow Regulators**

**features**

- Micro finished brass seat to ensure no reduced pressure creep
- Reinforce diaphragm for repeated accuracy
- Minimal pressure droop due to efficient aspiration
- Three position non-rising adjustment knob; push to lock, pull to adjust, detach to make tamper resistant
- Relieving style standard
- Easily panel mounted
- Tamper-proof cap included
- High scfm flow due to efficient aspiration

**options**

add suffix to part number in alpha order

- G Gauge (0-160 psi) .......... R373G
- H High pressure .......... R373HT
  10 to 250 psi adjustment - Must use T-handle option
- I Instrument pressure .......... R373I
  3 to 20 psi adjustment
- L Low pressure .......... R373L
  3 to 60 psi adjustment
- N Non-relieving .......... R373N
- P Panel mount .......... R373P
- T Tee handle adjustment .......... R373T

**specifications**

- Body
  - Black coated aluminum
- Bonnet
  - Glass filled nylon
- Seals
  - Buna N Elastomer standard
- Seat
  - Brass
- Supply Pressure
  - 250 psig
- Operating Pressure Range
  - 5 to 125 psig
- Operating Temperature Range
  - 40°F to 120°
- Gauge Port
  - 1/4" full flow

**Kits**

- Repair Kits
  - Diaphragm kit relieving ...... DK35
  - Diaphragm kit Non-relieving ........ DK35N
  - Valve kit ..................... VK37
- Mounting Kits see page 65
  - Bracket kit .................... RK37
  - Panel mounting kit ring only panel hole size 1 1/16" ........ PKR35
  - Panel mount bracket and ring ........ PMKR35

**Performance Characteristics**

![Performance Characteristics Graph]

**Dimensions**

<table>
<thead>
<tr>
<th>Pipe Size</th>
<th>Model No.</th>
<th>Max. Flow</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D (Width)</th>
<th>E</th>
<th>Weight (Lbs.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>3/8&quot;</td>
<td>R373</td>
<td>170</td>
<td>3/16&quot;</td>
<td>1 1/8&quot;</td>
<td>5/8&quot;</td>
<td>2 3/4&quot;</td>
<td>2 1/4&quot;</td>
<td>1.3</td>
</tr>
<tr>
<td>1/2&quot;</td>
<td>R374</td>
<td>215</td>
<td>3/16&quot;</td>
<td>1 1/8&quot;</td>
<td>5/8&quot;</td>
<td>2 3/4&quot;</td>
<td>2 1/4&quot;</td>
<td>1.3</td>
</tr>
<tr>
<td>3/4&quot;</td>
<td>R376</td>
<td>220</td>
<td>3/16&quot;</td>
<td>1 1/8&quot;</td>
<td>5/8&quot;</td>
<td>2 3/4&quot;</td>
<td>2 1/4&quot;</td>
<td>1.3</td>
</tr>
<tr>
<td>1&quot;</td>
<td>R378</td>
<td>250</td>
<td>3/16&quot;</td>
<td>1 1/8&quot;</td>
<td>5/8&quot;</td>
<td>2 3/4&quot;</td>
<td>2 1/4&quot;</td>
<td>1.3</td>
</tr>
</tbody>
</table>
High Flow Regulators

SPECIFICATIONS

Body
- Black coated aluminum

Bonnet
- Die cast aluminum, black coated

Seals
- Buna N Elastomer standard

Seat
- Brass

Supply Pressure
- 250 psig

Operating Pressure Range
- 5 to 125 psig

Operating Temperature Range
- 40°F to 120°F

Gauge Ports
- 1/4"t

FEATURES

- Micro finished brass seat to ensure no reduced pressure creep
- Relieving style piston standard
- High scfm flow due to efficient aspiration
- Hard epoxy corrosion protection
- Available in 1", 1-1/4", 1-1/2" NPT sizes

OPTIONS

add suffix to part number in alpha order
G Gauge (0-160 psi) .......... R398G
H High pressure .......... R398H
    10 to 250 psi adjustment
L Low pressure .......... R398L
    3 to 60 psi adjustment
P Panel mount .......... R398P

KITS

Repair Kit
- Piston relieving .......... DK39
- Piston non-relieving .......... DK39N
- Valve .......... VK39
- Spring (5-125 psi) .......... SK39
- Spring (3-60 psi) .......... SK39L
- Spring (10-200 psi) .......... SK39H
- Spring cage .......... SC39

Mounting Kits see page 65
- Bracket Kit .......... R3K39
- Panel mounting kit ring only .......... PKR35
    panel hole size 1-3/16"

PERFORMANCE CHARACTERISTICS

DIMENSIONS

<table>
<thead>
<tr>
<th>PIPE SIZE</th>
<th>MODEL NO.</th>
<th>MAX. FLOW SCFM</th>
<th>A</th>
<th>DIMENSIONS (INCHES)</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>WEIGHT (LBS.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1&quot;</td>
<td>R398</td>
<td>600</td>
<td>47/8</td>
<td>21/32</td>
<td>91/2</td>
<td>41/4</td>
<td>3.4</td>
<td></td>
</tr>
<tr>
<td>1½&quot;</td>
<td>R3910</td>
<td>700</td>
<td>47/8</td>
<td>21/32</td>
<td>91/2</td>
<td>41/4</td>
<td>3.3</td>
<td></td>
</tr>
<tr>
<td>1½&quot;</td>
<td>R3912</td>
<td>700</td>
<td>47/8</td>
<td>21/32</td>
<td>91/2</td>
<td>41/4</td>
<td>3.2</td>
<td></td>
</tr>
</tbody>
</table>
Adjustable High Performance Regulators

FEATURES
- Micro finished brass seat to ensure no reduced pressure creep
- Reinforce diaphragm for repeated accuracy
- Minimal pressure droop due to efficient aspiration
- Relieving style standard
- In-line or modular installation
- Easily panel mounted
- High scfm flow due to efficient aspiration
- Continuous bleed

OPTIONS
- G Gauge (0-160 psi) ............... P14-GG
- H High pressure ................. P14-04H
  P14 only: 10 to 250 psi adjustment
- L Low pressure ................. P14-04L
  P14 Only: 3 to 60 psi adjustment
- NB No bleed .................... P14-04NB
- SP Std. pressure P10 only ...... P10-04SP

SPECIFICATIONS
Body
- Black coated aluminum
Bonnet
- Glass filled nylon
Seals
- Buna N Elastomer standard
Diaphragm
- Reinforced Buna N
Valve
- Brass and Buna N Disc
Seat
- Brass
Supply Pressure
- 250 psig
Reduced Press Flow
- P10: 3 to 25 psig, P14: 5 to 125 psig
Operating Temperature Range
- 40˚F to 120˚F
Gauge Ports
- 1/4" npt

BLEED RATES
- Continuous 5.0 scfh or .08 scfm

KITS
- Panel Mounting Kit
  - Panel mount kit 1/4" bonnet .......... PMKR35
  - Panel mounting ring ............. PKR35

Diaphragm Kit
- Diaphragm kit relieving
  - P10 .......................... RKP10R
- Diaphragm kit relieving
  - P14-03, P14-04 ................ RKP10R
- Diaphragm kit P14-02 ............. RKP14

Mounting Kits see page 65
- Mounting bracket ............. RBK5
- Panel mount nut ............. PKR35

Applications
- Pneumatic instrumentation
- Controllers and transmitters
- Valve operators, positioners
- Cylinder loading and braking pressure control
- Roll loading
- Air and force balance hoists
- Electric pneumatic proportional modules
- Precise torque control of air operated tools

PERFORMANCE CHARACTERISTICS

Inverse Ratio Performance – P10

<table>
<thead>
<tr>
<th>Initial Pressure</th>
<th>-25</th>
<th>-20</th>
<th>-15</th>
<th>-10</th>
<th>-5</th>
<th>0</th>
<th>+5</th>
<th>+10</th>
<th>+15</th>
<th>+20</th>
<th>+25</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reduced Pressure Variance</td>
<td>+2</td>
<td>+1</td>
<td>+1</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>-1</td>
<td>-2</td>
</tr>
</tbody>
</table>

Inverse Ratio Performance – P14

| Reduced Pressure Variance | +1.5 | +1.2 | +1  | +.6 | +.4 | 0  | -.3 | -.7 | -1  | -1.3 | -1.5 |

DIMENSIONS

<table>
<thead>
<tr>
<th>PIPE SIZE</th>
<th>MODEL NO.</th>
<th>MAX. FLOW SCFM*</th>
<th>MANUAL RANGE PSIG</th>
<th>A (INCHES)</th>
<th>B (INCHES)</th>
<th>C (INCHES)</th>
<th>D (INCHES)</th>
<th>E (INCHES)</th>
<th>WEIGHT (LBS.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/4&quot;</td>
<td>P10-02</td>
<td>30</td>
<td>3-25</td>
<td>2 1/8</td>
<td>1 3/8</td>
<td>6 3/4</td>
<td>2 1/4</td>
<td>1.1</td>
<td></td>
</tr>
<tr>
<td>3/8&quot;</td>
<td>P10-03</td>
<td>30</td>
<td>3-25</td>
<td>2 1/8</td>
<td>1 3/8</td>
<td>6 3/4</td>
<td>2 1/4</td>
<td>1.1</td>
<td></td>
</tr>
<tr>
<td>1/2&quot;</td>
<td>P14-02</td>
<td>40</td>
<td>5-125</td>
<td>2 1/8</td>
<td>1 3/8</td>
<td>6 3/4</td>
<td>2 1/4</td>
<td>1.1</td>
<td></td>
</tr>
<tr>
<td>3/4&quot;</td>
<td>P14-03</td>
<td>50</td>
<td>5-125</td>
<td>2 1/8</td>
<td>1 3/8</td>
<td>6 3/4</td>
<td>2 1/4</td>
<td>1.1</td>
<td></td>
</tr>
<tr>
<td>1&quot;</td>
<td>P14-04</td>
<td>70</td>
<td>5-125</td>
<td>2 1/8</td>
<td>1 3/8</td>
<td>6 3/4</td>
<td>2 1/4</td>
<td>1.1</td>
<td></td>
</tr>
</tbody>
</table>
**Miniature Integral Filter/Regulators**

**FEATURES**
- Micro seat finish to ensure no reduced pressure creep
- Diaphragm operation
- Relieving style standard
- Three position non-rising adjustment knob; push to lock, pull to adjust, detach to make tamper resistant
- Easily panel mounted
- Tamper-proof cap included
- 20 micron filter

**OPTIONS**
- add suffix to part number in alpha and numeric order
  - B 2-Position Mechanical Lockout Knob: B742B
  - G Gauge (0-160 psi): B742G
  - I Instrument pressure: B742I
    - 3 to 20 psi Adjustment
  - J Overnight drain plastic bowl: B742J
  - K Overnight drain metal bowl: B742K
  - L Low pressure: B742L
    - 3 to 60 psi adjustment
  - M Metal bowl: B742M
  - N Non-relieving: B742N
  - P Panel mount: B742P
  - Z Piston drain: B742Z
  - S 5 Micron element: B7425

**SPECIFICATIONS**
- **Body**
  - Zinc, black coated
- **Bonnet**
  - Glass filled nylon
- **Polycarbonate Bowl**
  - Max. pressure 150 psig
  - Operating temperature range 40°F to 125°F
- **Metal Bowl**
  - aluminum
  - Max. pressure 250 psig
  - Operating temperature range 40°F to 175°F
- **Piston Drain**
  - metal
  - Note: limits bowl temperature and pressure rating
  - Max. pressure 150 psig
  - Operating temperature range 40°F to 175°F
- **Body**
  - nickel plated zinc
- **Baffle**
  - plastic
- **Seals**
  - Buna N
- **Elements**
  - 20 micron sintered bronze
  - 5 micron sintered bronze

**KITS**
- **Bowl Kits**
  - Polycarbonate bowl: BKF300
  - Metal bowl: BKF300M
- **Element Kit**
  - 20 micron element 2-pack: BKF300
  - Regulator bonnet repair: RB260
- **Diaphragm Kit**
  - Relieving diaphragm: RK260
- **Mounting Kits**
  - see page 65
  - Mounting bracket and ring: BR1611
  - Mounting bracket ring only: PK1611

**PERFORMANCE CHARACTERISTICS**

**DIMENSIONS**

<table>
<thead>
<tr>
<th>PIPE SIZE</th>
<th>MODEL NO.</th>
<th>MAX. FLOW SCFM</th>
<th>BOWL CAPACITY</th>
<th>DIMENSIONS (INCHES)</th>
<th>WEIGHT (LBS.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/8”</td>
<td>B741</td>
<td>20</td>
<td>1 oz.</td>
<td>1⅜” 2⅛” 6⅝” 1⅛”</td>
<td>0.6</td>
</tr>
<tr>
<td>1/4”</td>
<td>B742</td>
<td>20</td>
<td>1 oz.</td>
<td>1⅛” 2⅛” 6⅝” 1⅛”</td>
<td>0.6</td>
</tr>
</tbody>
</table>
### FEATURES
- 40 micron element
- Manual drain
- Relieving regulator
- Zero creep, machined brass valve seat
- 3-position, non-rising adjustment knob
- Tamper-proof cap included

### OPTIONS
add suffix to part number in alpha and numeric order
- F Internal float drain ........ B752F
- G Gauge .......................... B752G
- H High pressure ........ B752H
- 10 to 250 psi adjustment
- I Instrument pressure  .......... B752I
- 3 to 20 psi adjustment
- J Overnight drain plastic bowl B752J
- K Overnight drain metal bowl  B752KM
- L Low pressure ........ B752L
- 3 to 60 psi adjustment
- M 6 oz. metal bowl without sight . B752M
- P Panel mount  .................. B752P
- T Tee handle adjustment .... B752T
- W 6 oz. metal bowl with sight  B752W
- -5 5 micron element .......... B752-5
- -3 3 micron element .... B752-3

### SPECIFICATIONS
**WARNING!** Polycarbonate plastic bowls could rupture if exposed to incompatible chemicals whether inside or outside the bowl. If such chemicals are present, use a metal bowl. Refer to page 64 for details.

**Body**
- Black coated aluminum

**Bonnet**
- Glass filled nylon

**Seals**
- Buna N Elastomer standard

**Polycarbonate Bowl**
- Max. pressure 150 psi
- Operating temperature range 40°F to 125°F

**Metal Bowl**
- Zinc, black epoxy coated
- Max. pressure 200 psi
- Operating temperature range 40°F to 175°F

**Metal Bowl with Sight Gauge**
- Max. pressure 250 psi
- Operating temperature range 40°F to 175°F

**Internal Float Drain**
- Internal float drain. ........ 5200
- Plastic, metal, brass, Buna N seal
- Note: limits bowl temperature and pressure rating
- Operating pressure range 30 to 175 psi
- Operating temperature range 40°F to 125°F

**KITS**
- Internal float drain. ......... 5200
- Bowl Kits
  - Polycarbonate ............ BKF35
  - Metal ................ BKF4SM
  - Metal with sight ...... BKF45W
- Element Kits
  - 40 micron 2-pack ........ B35
  - 5 micron 2-pack ........ B35-5
  - 3 micron absolute 2-pack .. B35-3
- Diaphragm Kits
  - Relieving ................ DK35
- Mounting Kits see page 65
  - Mounting bracket .... R8K5
  - Panel mount nut ..... PKR35

### PERFORMANCE CHARACTERISTICS

![Performance Characteristics Graph](image)

### DIMENSIONS

<table>
<thead>
<tr>
<th>PIPE SIZE</th>
<th>MODEL NO.</th>
<th>MAX. FLOW (SCFM)</th>
<th>BOWL CAPACITY</th>
<th>DIMENSIONS (INCHES)</th>
<th>WEIGHT (lbs.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/4&quot;</td>
<td>B752</td>
<td>50</td>
<td>5 oz.</td>
<td>2(\frac{1}{8}) 4(\frac{1}{8}) 9(\frac{1}{4}) 2(\frac{1}{4}) 2(\frac{1}{4})</td>
<td>1.75</td>
</tr>
<tr>
<td>3/8&quot;</td>
<td>B753</td>
<td>80</td>
<td>5 oz.</td>
<td>2(\frac{1}{8}) 4(\frac{1}{8}) 9(\frac{1}{4}) 2(\frac{1}{4}) 2(\frac{1}{4})</td>
<td>1.75</td>
</tr>
<tr>
<td>1/2&quot;</td>
<td>B754</td>
<td>100</td>
<td>5 oz.</td>
<td>2(\frac{1}{8}) 4(\frac{1}{8}) 9(\frac{1}{4}) 2(\frac{1}{4}) 2(\frac{1}{4})</td>
<td>1.75</td>
</tr>
</tbody>
</table>