**T53 Automatic Drain**

The T53 series float type drain is provided with a top threaded port. This drain features a protective stainless steel screen with an umbrella baffle, providing a large sump area for oil sludge and dirt. It is used to give continued performance and low maintenance to drain accumulated water and oil from drain lines, receiver tanks, condensate drop legs and filters.

**APPLICATIONS**
- Drop Leg Drain
- External Filter Drain

**DIMENSIONS**

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Connection FPT</th>
<th>Dimensions (INCHES)</th>
<th>Weight (lbs.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>T53-02</td>
<td>¼”</td>
<td>2¾ 3¼ 6½ 2¼</td>
<td>1.0</td>
</tr>
<tr>
<td>T53-04</td>
<td>½”</td>
<td>2¾ 3¼ 6½ 2¼</td>
<td>1.0</td>
</tr>
</tbody>
</table>

**Internal Float Drain - 5200**

Automatically drains collected liquids when internal float indicates accumulation. Saves air loss. For standard size filter.

**Overnight Bowl Drains**

Arrow's Automatic Overnight drain operates when a compressed air system is shut down. It clears accumulated condensate from a filter bowl when pressure falls to 3 psig or less. Available for either plastic or metal bowls.

**Kit Ordering #**
- Model J - For plastic bowls - push to manually drain 32008
- Model K - For metal bowls - twist to manually drain CKFK
**Accessories**

### High Pressure/Chemical Resistant

**T54W Compact Zero Loss Drain**

- **P/N T54W** 1/2" FPT
- **Max. Press.** 250 PSIG
- **Max. Temp.** 130°F

**Features**
- Compact design 6 1/2" L X 2 3/4" W
- 50 mesh s/s screen to protect float from solid chips
- Plastic float and housing compatible with most compressor oils.
- Metal filter housing with sight glass has a 1/2" FPT top connection.

**Applications**
For use in removing liquid water and oil from receiver tanks, separators, large filters and other areas where liquid condensation occurs in a compressed air system.

### DKTF4W O.S.H.A. Lockout Slide Valve & Zero Loss Drain

- **P/N DKTF4W** 1/2" NPT
- **Max. Press.** 250 PSIG
- **Max. Temp.** 130°F

**Features**
- 3 way slide: when closed, the compressed air vents out of the drain housing allowing removal of the drain for servicing.
- The slide provides a pad lock hole in the closed position which meets O.S.H.A. lockout requirements.
- When drain servicing is complete, the slide valve is pushed to the open position with no interruption off compressed air service.
### Delta ‘P’ Gauge

**FUNCTION**
Allows exact determination of pressure drop across element. Divided into three sections, each marked for easy understanding. The differential pressure gauge is the best tool available for determining element maintenance requirements.

<table>
<thead>
<tr>
<th>Color</th>
<th>Indicates</th>
<th>Pressure Drop</th>
</tr>
</thead>
<tbody>
<tr>
<td>Green</td>
<td>Clean</td>
<td>0-6 psi</td>
</tr>
<tr>
<td>Yellow</td>
<td>Change</td>
<td>6-9 psi</td>
</tr>
<tr>
<td>Red</td>
<td>Dirty</td>
<td>9-12 psi</td>
</tr>
</tbody>
</table>

**Maximum Pressure:**
- 300 psig / 20 bar

**Maximum Temperature:**
- 200˚ F / 93˚ C

**Weight:**
- .33 Lb. / 1.5 Kg

**Bolt Threads:**
- 3/8 -24 Inches

**Bolt Material:**
- Glass filled Nylon

---

### Pressure Gauges

---

### Regulator Accessories

Arrow regulators may be panel mounted to improve machine design and overall appearance, they are convenient for control panel or console mounting.

<table>
<thead>
<tr>
<th>PART NO.</th>
<th>DESCRIPTION</th>
<th>PRESSURE RANGE</th>
<th>USED ON</th>
</tr>
</thead>
<tbody>
<tr>
<td>1481C</td>
<td>2” face, ¼” center back mount</td>
<td>0-30 psi</td>
<td>Tri-Star High Flow</td>
</tr>
<tr>
<td>1481A</td>
<td>2” face, ¼” center back mount</td>
<td>0-60 psi</td>
<td>Tri-Star High Flow</td>
</tr>
<tr>
<td>1481</td>
<td>2” face, ¼” center back mount</td>
<td>0-160 psi</td>
<td>Mini Regulators</td>
</tr>
<tr>
<td>1481B</td>
<td>2” face, ¼” center back mount</td>
<td>0-300 psi</td>
<td>Mini Integral</td>
</tr>
<tr>
<td>1681C</td>
<td>1½” face, ¼” center back mount</td>
<td>0-30 psi</td>
<td>Mini Regulators</td>
</tr>
<tr>
<td>1681A</td>
<td>1½” face, ¼” center back mount</td>
<td>0-60 psi</td>
<td>Mini Integral</td>
</tr>
<tr>
<td>1681</td>
<td>1½” face, ¼” center back mount</td>
<td>0-160 psi</td>
<td>Mini Integral</td>
</tr>
</tbody>
</table>

---

### Reed Switch Specifications

Max. Voltage Switching: 100 AC/DC
Max. Switch Contact Current: .30 AMPS
Max. Carrying Current: 1 AMP
Contact Rating: 10 VA

---

### KITS AND ACCESSORIES

- **MK-10**
  Mounting Kit for vertical or wall mounting
- **TK-10**
  ¼” Tubing Kit with Connector Fittings

*Model No. DP10-A & DP10-AE to mount directly on existing filter head for replacement only.*
**Model No. DP10-B & DP10-BE remote model with slotted bolts & mounting block.**

Note: To order pre-mounted units, add suffix ‘D’ to filter #.
Accessories

Miniature Relief Valves

Miniature, diaphragm operated relief valves with exceptional sensitivity. Ideally suited for applications requiring gradual proportional relief. 3 position knob pushes to lock and can be removed for tamper resistance.

<table>
<thead>
<tr>
<th>Pipe Size</th>
<th>Model No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/8&quot;</td>
<td>E291</td>
<td>All Plastic non-corrosive parts.</td>
</tr>
<tr>
<td>1/4&quot;</td>
<td>E292</td>
<td>Die cast black coated body, brass seat.</td>
</tr>
<tr>
<td>1/4&quot;</td>
<td>E191</td>
<td>Buna N Diaphragm</td>
</tr>
<tr>
<td>1/4&quot;</td>
<td>E192</td>
<td></td>
</tr>
</tbody>
</table>

Specifications
- E291, E191 all 1/8" ports
- E292, E192 1/4" ports
- With 1/8" gauge ports

Maximum Pressure Range
- 150 PSI

Air Relief Capacity - SCFM

<table>
<thead>
<tr>
<th>Range (psig)</th>
<th>Instrumentation Spring Range</th>
<th>Low Pressure Spring Range</th>
<th>Standard Pressure Spring Range</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1 to 15</td>
<td>15 to 30</td>
<td>50 to 125</td>
</tr>
<tr>
<td>Set Pressure</td>
<td>5.0</td>
<td>20.0</td>
<td>60.0</td>
</tr>
<tr>
<td>Rated Flow @ 10%*</td>
<td>.1</td>
<td>.5</td>
<td>.2</td>
</tr>
<tr>
<td>Rated Flow @ 20%*</td>
<td>.3</td>
<td>.7</td>
<td>6.5</td>
</tr>
<tr>
<td>Rated Flow @ 30%</td>
<td>.5</td>
<td>2.3</td>
<td>14.0</td>
</tr>
</tbody>
</table>

Reset at ± 1% of Set Pressure
1) Rated flows in SCFM are taken at percentage of pressure over set pressure.
2) The relief valve will not function as a pressure regulator - excess pressure must be vented to atmosphere.

PRESSURE SWITCH

The PDA4 pressure switch can be installed anywhere in a pneumatic or hydraulic system. It is often used to protect air compressors and pneumatically operated equipment from damage caused by over-pressurization. The unit can be set in a normally open or closed position in an adjustable actuation range from 25 PSIG to 95 PSIG with ± 2% repeatability. The pressure switch has standard 18" wire leads of 300 V, 22 SWG. For simple installation, thread the unit into the gauge port of a regulator or pipe tee.

Construction: Zinc die cast and plastic housing, and NEMA 13 electrical enclosure which is U.L. approved.

Max. operating pressure: 300 PSI

Operating temperatures: 35°F to 180°F

<table>
<thead>
<tr>
<th>Part No.</th>
<th>NPT</th>
<th>Overall Length</th>
<th>Dia.</th>
<th>Wt. Lbs.</th>
<th>Voltage</th>
<th>Inductive</th>
<th>Resistive</th>
</tr>
</thead>
<tbody>
<tr>
<td>PDA4</td>
<td>1/4&quot;</td>
<td>1-1/8&quot;</td>
<td>1/8&quot;</td>
<td>.25</td>
<td>125/150 VAC</td>
<td>5 AMP</td>
<td>7 AMP</td>
</tr>
</tbody>
</table>

Standard Electrical Circuit

<table>
<thead>
<tr>
<th>Wire Color</th>
<th>Circuit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Black</td>
<td>Common</td>
</tr>
<tr>
<td>Green</td>
<td>Normally Closed</td>
</tr>
<tr>
<td>Red</td>
<td>Normally Open</td>
</tr>
</tbody>
</table>

Note: 20% differential for reset, and 1% repeatability when operated within recommended conditions.
### Accessories

#### Slide Valve

Arrow's new slide valve is a 3 way OSHA lockout valve which exhausts all downstream pressure when closed, and can be locked in the closed position with customer supplied padlock.

3-Way Slide Valves (Open or close and exhaust) Meet O.S.H.A. Lockout Standard 29CFR 1910.147 - The 3-way slide valve is for use in the main line, upstream of equipment. When closed, it shuts off the upstream air and exhausts the downstream air.

**Body** is black coated zinc. Slide is 5% Teflon, high-impact, safety yellow plastic. Seals are pre-lubricated Buna O-rings. Screws are black coated steel.

**Maximum operating pressure:** 250 PSIG  
**Maximum operating flow:** 140 SCFM  
**Operating temperatures:** 35°F to 150°F  
**Exhaust bleed at 100 PSI:** 7 SCFM

#### Mini In-Line Desiccant Dryer (-30°F Dew Point)

Used at the point-of-use, this patented, disposable, mini in-line desiccant dryer removes all traces of water vapor, oil vapor and dirt. It is often used directly upstream of blow guns or spray guns as final protection for critical parts blow off and paint spraying. Install in either direction; it functions in both directions. A 40 micron, porous bronze element removes fine dirt particles, an oil removing media removes oil vapor, and desiccant beads adsorb water vapor. The see-through housing shows desiccant color change, which indicates that the dryer needs to be replaced.

**SPECIFICATIONS**

**Housing**
- Polycarbonate material allows clear desiccant visibility
- Nylon guard

**Guard**
- Nylon guard

**Maximum Flow Capacity:** 15 scfm  
**Maximum Pressure:** 125 psi  
**Maximum Temperature:** 130˚ F

**APPLICATIONS**
- Parts blow off  
- Paint guns

### Standard Line With Threaded Ports

<table>
<thead>
<tr>
<th>Valve Type</th>
<th>Model</th>
<th>Port Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>3 Way OSHA Lockout Valve</td>
<td>V202</td>
<td>1/4&quot;</td>
</tr>
<tr>
<td>Customer to Supply Lock</td>
<td>V203</td>
<td>3/8&quot;</td>
</tr>
<tr>
<td></td>
<td>V204</td>
<td>1/2&quot;</td>
</tr>
</tbody>
</table>

### Dimensions

<table>
<thead>
<tr>
<th>Connection NPT/FPT</th>
<th>Model No.</th>
<th>Dimensions (Inches) A</th>
<th>Dimensions (Inches) B</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/4&quot;</td>
<td>DFD-10</td>
<td>3 3/4&quot;</td>
<td>1 11/16&quot;</td>
<td>2.8 oz</td>
</tr>
</tbody>
</table>
**Tri•Star Inserts & Accessories**

### Tri•Star Outboard Diverter

The Tri•Star Outboard Diverter block attaches to the outlet port of any Tri•Star unit and allows air to be diverted to up to 3¼" outlets. Includes locking plate and "O" rings, and it will accept the Tri•Star mounting bracket.

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>DK54</td>
<td>⅛&quot; NPT Outboard Diverter Kit</td>
</tr>
</tbody>
</table>

### OSHA Lockout, 3-Way Valve

Arrow's 3-way OSHA lockout valve exhausts all downstream pressure when closed and can be locked in the closed position with customer-supplied pad lock. These valves will handle all Tri•Star system air flows and will exhaust 6 scfm @ 100 psi.

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>V252</td>
<td>⅛&quot; OSHA Lockout Valve</td>
</tr>
<tr>
<td>V253</td>
<td>⅜&quot; OSHA Lockout Valve</td>
</tr>
<tr>
<td>V254</td>
<td>½&quot; OSHA Lockout Valve</td>
</tr>
</tbody>
</table>

### Mounting Bracket

IBK5 wall mounting bracket for Modular Tri•Star FRL units permit bracket mounting from inlet and outlet ports, slide valve and diverter blocks.

**Modular Components & Accessories**

### Tri•Star Connector Insert

Tri•Star insert slides are designed to guide the insert to an interlocking position on the unit body. The design of the slide also provides a unique safety feature, should the insert plates be removed while the air line is under pressure, the interlocking slide will prevent blowing away.

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>IK50</td>
<td>Tri•Star Connector Insert</td>
</tr>
</tbody>
</table>

### Tri•Star Diverter

The unique Tri•Star diverter permits a portion of filtered air to be branched before entering the regulator and sends it to another location; or when installed after the regulator, it will divert a portion of regulated air. The diverter is also used when pressure drop readings are required.

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>DK52</td>
<td>⅛&quot; NPT Inboard Diverter Kit</td>
</tr>
<tr>
<td>DK53</td>
<td>⅜&quot; NPT Inboard Diverter Kit</td>
</tr>
</tbody>
</table>

### OSHA Lockout, 3-Way Valve

Arrow's 3-way OSHA lockout valve exhausts all downstream pressure when closed and can be locked in the closed position with customer-supplied pad lock. These valves will handle all Tri•Star system air flows and will exhaust 6 scfm @ 100 psi.

### Tri•Star Pipe Port Insert

Any of four separate Tri•Star ports permit instant pipe sizing of every Tri•Star filter, regulator and lubricator. Available in ⅛", ⅜", ½", and ⅝" pipe sizes for inlets and outlet ports. Zinc diecast metal. A special Tri•Star locking design prevents backing out of lock plate screws and keeps the screws in place when the plate is removed.

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>IK05</td>
<td>&quot;O&quot; Rings for Modulars</td>
</tr>
<tr>
<td>IK52</td>
<td>⅛&quot; NPT Pipe Port Insert</td>
</tr>
<tr>
<td>IK53</td>
<td>⅜&quot; NPT Pipe Port Insert</td>
</tr>
<tr>
<td>IK54</td>
<td>½&quot; NPT Pipe Port Insert</td>
</tr>
<tr>
<td>IK56</td>
<td>⅝&quot; NPT Pipe Port Insert</td>
</tr>
</tbody>
</table>

### Tri•Star Diverter

The unique Tri•Star diverter permits a portion of filtered air to be branched before entering the regulator and sends it to another location; or when installed after the regulator, it will divert a portion of regulated air. The diverter is also used when pressure drop readings are required.

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<tr>
<th>Model No.</th>
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</thead>
<tbody>
<tr>
<td>DK52</td>
<td>⅛&quot; NPT Inboard Diverter Kit</td>
</tr>
<tr>
<td>DK53</td>
<td>⅜&quot; NPT Inboard Diverter Kit</td>
</tr>
</tbody>
</table>
Arrow’s new slide valve is a 3 way OSHA lockout valve which exhausts all downstream pressure when closed, and can be locked in the closed position with customer supplied padlock.

3-Way Slide Valves (Open or close and exhaust) Meet O.S.H.A Lockout Standard 29CFR 1910.147 - The 3-way slide valve is for use in the main line, upstream of equipment. When closed, it shuts off the upstream air and exhausts the downstream air.

**Body** is black coated zinc. Slide is 5% Teflon, high-impact, safety yellow plastic. Seals are pre-lubricated Buna O-rings. Screws are black coated steel.

**Maximum operating pressure:** 250 PSIG  
**Maximum operating flow:** 140 SCFM  
**Operating temperatures:** 35°F to 150°F  
**Exhaust bleed at 100 PSI:** 7 SCFM

---

**Mini In-Line Desiccant Dryer (-30°F Dew Point)**

Used at the point-of-use, this patented, disposable, mini in-line desiccant dryer removes all traces of water vapor, oil vapor and dirt. It is often used directly upstream of blow guns or spray guns as final protection for critical parts blow off and paint spraying. Install in either direction; it functions in both directions. A 40 micron, porous bronze element removes fine dirt particles, an oil removing media removes oil vapor, and desiccant beads adsorb water vapor. The see-through housing shows desiccant color change, which indicates that the dryer needs to be replaced.

**SPECIFICATIONS**

**Housing**
- Polycarbonate material allows clear desiccant visibility
- Nylon guard

**APPLICATIONS**
- Parts blow off
- Paint guns

---

**DIMENSIONS**

<table>
<thead>
<tr>
<th>Connection NPT/FPT</th>
<th>Model No.</th>
<th>Dimensions (Inches)</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/4&quot;</td>
<td>DFD-10</td>
<td>3 3/4&quot; 1 11/16&quot;</td>
<td>2.8 oz</td>
</tr>
</tbody>
</table>
The compressed air flow path through the dryer assures desiccant packing and maximum utilization of the desiccant’s adsorption qualities. The compressed air enters the dryer (1) and is dispersed through a 70 micron polypropylene element (2) for the removal of particles. The air is then distributed uniformly through the full desiccant bed (3) to the bottom of the intake tube (4). The intake tube is protected by a 40 micron porous bronze element (5). As the desiccant adsorbs moisture, a dramatic and highly visible color change from dark blue to light pink is evident. The color change works its way through the desiccant as the adsorptive qualities of the desiccant are diminished. Once the color change is visible through the exclusive sight dome (6), the full desiccant bed has reached its maximum drying capacity and must be either changed or regenerated. Dry air exits through the inside diameter of the intake tube (7) and out the outlet port of the unit (8).

**ADSORPTION**

Adsorption means the attraction of a substance – the adsorbate – to, and its subsequent accumulation on, the surface of a solid material – the adsorbant – which is caused by physical forces of attraction. Adsorbants are substances which are permeated by a large number of very fine pores which give rise to a large internal surface area. This, in turn, determines the adsorption capacity of the adsorbant, since a large internal surface can accommodate more adsorbate. Other factors which influence the amount of adsorbate are: temperature, relative humidity and pressure.

**REGENERATION PROCESS**

Regeneration is accomplished by heating the desiccant to a temperature of 275°F in a drying oven. Regeneration is complete when the desiccant returns to its blue color.

For extended life and protection of the desiccant and equipment being serviced, an F3 Prefilter and F5 Coalescing filter should be used as a prefiltering system ahead of the dryer.
**FEATURES**
- Available in capacities from .5 to 50 scfm
- Compact sizes are ideal for portable or original equipment
- Drying efficiency can be tailored to your needs down to -30°F pressure dew point
- Highly visible color change from blue to pink through exclusive sight-glass highlights the need for service
- Exclusive hard spherical bead resists attrition and dusting and can be recharged
- Exclusive intake flow design takes air through entire supply of desiccant for maximum drying capacity
- Built-in particulate after-filter prevents downstream dust
- Needs no electrical connection
- No “purge air” lost as with regenerative dryers

**SPECIFICATIONS**

**Bowl**
- D05-03: Metal with sight gauge
- D10 & D25: Metal with sight gauge
- D10-04XL: Metal with sight gauge

**Desiccant**
- Silica gel

**Maximum Pressure**
- 250 psig

**Operating Temperature Range**
- 0°F to 120°F

**APPLICATIONS**
- Always install an F5 coalescing filter upstream of the D05, D10 & D25
- For compressed air service only
- Not to be used on life support systems or breathing air systems
- Dry air for parts blowoff
- Paint spray systems
- Air gauging equipment
- Laboratory air

**KITS**
Replacement Desiccant
- No. 34189 – 6 pack of 1 qt. jars
- No. 34417 – 4-1 gallon jugs

Check the exhaust element to avoid high pressure drop due to desiccant dust entrapment. We recommend replacement of the exhaust element.

**D05, D10 & D10XL Use:** Element Kit EKD10 (1-pack each)
**D25 Use:** Element Kit EKD25 (1-pack each)

**DIMENSIONS**

<table>
<thead>
<tr>
<th>PIPE SIZE</th>
<th>MODEL NO.</th>
<th>MAX. FLOW</th>
<th>DESICCANT CHARGE</th>
<th>DIMENSIONS (INCHES)</th>
<th>WEIGHT (LBS.)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>D05-03</td>
<td>.5 to 5</td>
<td>830</td>
<td>5/8</td>
<td>3/4 1 1/8 8 1/4</td>
</tr>
<tr>
<td></td>
<td>D10-04</td>
<td>5 to 15</td>
<td>2500</td>
<td>1 1/4</td>
<td>4 1/8 1 1/8 8 1/8</td>
</tr>
<tr>
<td></td>
<td>D10-04XL</td>
<td>15 to 25</td>
<td>5000</td>
<td>2 1/2</td>
<td>4 1/8 1 1/8 13 1/2</td>
</tr>
<tr>
<td></td>
<td>D25-06</td>
<td>25 to 50</td>
<td>12500</td>
<td>6</td>
<td>6 1/4 2 17 1/4</td>
</tr>
</tbody>
</table>

* SCFM and SCF based on 70°F inlet temp. @ 100 psig
**StageAir Drying System**

### HOW IT WORKS

**FIRST AND SECOND STAGE**
- The StageAir desiccant air drying system begins with the dual stage integral filter/regulator.
- First, the air enters the particulate filter, which has a 5 micron cleanable sintered bronze element. In this stage, corrosive moisture, pipe scale, dirt and rust are removed from the air line protecting the precision parts in the regulator.
- Next, the air enters a high-performance regulator, which reduces primary pressure to a desired pressure setting.

**THIRD STAGE COALESCING FILTER**
- During Stage 3, fine filtration takes place. Here, 99.99 percent of oil aerosols and microscopic particles down to .01 micron absolute are removed from the air. The pop-up indicator alerts customer that an element change is necessary.

**FOURTH STAGE DESICCANT AIR DRYER**
- As the air enters the desiccant dryer, it is dispersed through a 70 micron element. The element distributes air evenly through the desiccant bed. The desiccant absorbs the water vapor from the air, producing a –40°F pressure dew point.
- To remove traces of desiccant dust before the air leaves the system, the air passes through a 40 micron filter element. The air is now clean and dry, and has been properly treated for use with your air operated system.
- The clear indicator sight glass shows a color change in the desiccant from blue to pink which indicates a desiccant recharge.

### OPTIONS
To order options for the VC7500 series, simply add the appropriate suffix, as listed below, to the part number in the alphabetical/numerical order.
- 3 micron absolute element (particulate filter)
- F Float drain
- J Overnight Drain

### KITS
- Internal Float Drain ....... .5200
- Element Kits
  - .5 micron ................. EK35-5
  - .01 micron ............... EK55A

- Desiccant Kit
  - 6-Pk. of 1 Qt. Jars .......... 34189
  - 4 - 1 Gal. Jugs ............. 34417

- Mounting Kit see page 65
  - Mounting kit ............. ABK-10

### Applications
- Paint Spray
- Air Gauging Equipment
- Lab Air

### Dimensions

<table>
<thead>
<tr>
<th>PIPE SIZE</th>
<th>MODEL NO.</th>
<th>MAX. FLOW</th>
<th>FLOW</th>
<th>DESICCANT WEIGHT (LBS.)</th>
<th>DIMENSIONS (INCHES)</th>
<th>WEIGHT (LBS.)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>SCFM*</td>
<td>SCF*</td>
<td></td>
<td>A</td>
<td>B</td>
</tr>
<tr>
<td>½&quot;</td>
<td>VC7510</td>
<td>5 to 15</td>
<td>2,500</td>
<td>1 ¼</td>
<td>14 ¼</td>
<td>4</td>
</tr>
<tr>
<td>½&quot;</td>
<td>VC7510XL</td>
<td>15 to 25</td>
<td>5,000</td>
<td>2 ½</td>
<td>14 ¼</td>
<td>4</td>
</tr>
<tr>
<td>¾&quot;</td>
<td>VC7525</td>
<td>25 to 50</td>
<td>12,500</td>
<td>6</td>
<td>16 ½</td>
<td>4</td>
</tr>
</tbody>
</table>

* SCFM and SCF based on 70°F inlet temp. @ 100 psig
Economatic Drains

Arrow developed the heavy duty ECONOMATIC drain valve to be a low cost answer to leaking, clogging, noise and other problems caused by float-type drains.

A solenoid controlled by a solid state timer opens and closes the ECONOMATIC drain valve in 1 to 60 minute cycle times and 1 to 30 second blow down times. Both times are individually adjusted.

The drain is designed with a manual override switch with indicator light.

ECONOMATIC drains also feature a spring loaded softseat solenoid which eliminates valve noise and assures leak-proof shutoff.

Installation of the drain is simple and quick – thread on and plug in.

SPECIFICATIONS

Adjustable Cycle Time
• 1-60 minutes

Adjustable Drain Time
• 1-30 seconds

Maximum Working Pressure
• 200 psig

Maximum Fluid Temperature
• +165°F

NEMA one enclosure

Voltage: 115V / 1 ph / 60Hz

0.25 amps

Buna-N seals

6’ heavy duty grounded power plug

Purge Rate
• 16 scfm open flow @ 100 psig

Mounting Kit see page 65
• Mounting kit . . . . . . . . . . . . . BR5702

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Connection NPT</th>
<th>Dimensions (inches)</th>
<th>Weight</th>
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<tbody>
<tr>
<td>5702S</td>
<td>1/4&quot;</td>
<td>3 1/2&quot;  3 5/16&quot;  4 3/16&quot;</td>
<td>1.365</td>
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<tr>
<td>5704S</td>
<td>1/2&quot;</td>
<td>4 1/16&quot;  3 5/16&quot;  4 3/16&quot;</td>
<td>1.745</td>
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</table>

Y Strainer – furnished with each Economatic Drain

A Y Strainer installed ahead of an external drain, traps large debris and sludge; prevents malfunctions and extends the life of automatic drains.

FEATURES

• Cast brass manufactured in the U.S.

• 300 psi maximum working pressure

• 50 mesh stainless steel screen can be cleaned or replaced without removal of strainer from the line

• 3/8" removable plug for quick draining

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Connection NPT</th>
<th>Dimensions (inches)</th>
<th>Weight</th>
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<tbody>
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<td>S202</td>
<td>1/4&quot;</td>
<td>9/16&quot;  2 7/16&quot;  2 1/16&quot;</td>
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<tr>
<td>S204</td>
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<td>11/16&quot;  2 1/8&quot;  2 1/16&quot;</td>
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