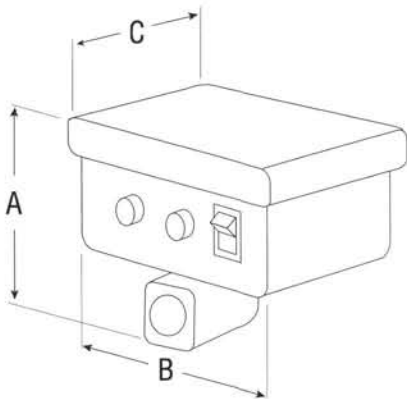


# ACCESSORIES

## 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

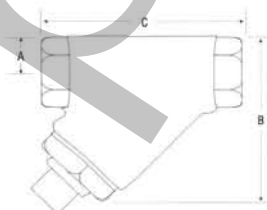
#### Mounting Kit see page 60

- Mounting bracket, BR5702

### DIMENSIONS

Model No.	Connection NPT	Dimensions (inches)			Weight
		A	B	C	
5702S	1/4"	3 <sup>11</sup> / <sub>16</sub> "	4 <sup>7</sup> / <sub>16</sub> "	4 <sup>15</sup> / <sub>16</sub> "	1.63
5704S	1/2"	4 <sup>3</sup> / <sub>16</sub> "	4 <sup>7</sup> / <sub>16</sub> "	4 <sup>7</sup> / <sub>16</sub> "	2.50

## 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

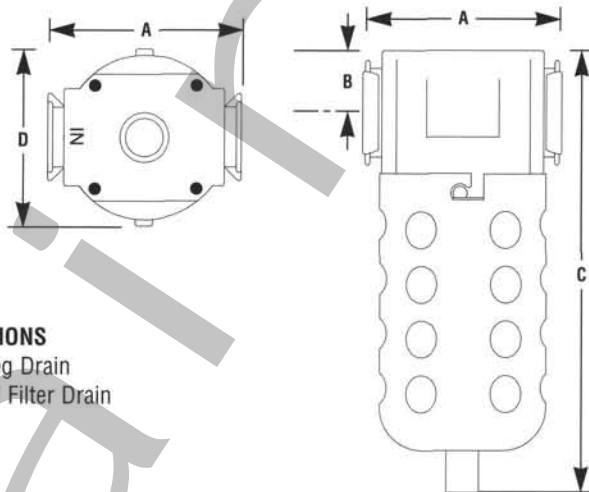
- Cast brass manufactured in the U.S.
- 300 psi maximum working pressure
- 50 mesh stainless steel screen can be cleaned or replaced without removal of strainer from the line
- 3/8" removable plug for quick draining

### DIMENSIONS

Model No.	Connection NPT	Dimensions (inches)			Weight
		A	B	C	
S202	1/4"	<sup>15</sup> / <sub>32</sub> "	2 <sup>27</sup> / <sub>64</sub> "	2 <sup>11</sup> / <sub>16</sub> "	10.5 oz.
S204	1/2"	1 <sup>1</sup> / <sub>16</sub> "	2 <sup>5</sup> / <sub>8</sub> "	2 <sup>11</sup> / <sub>16</sub> "	12 oz.

# Accessories

## T53 Automatic Drain



### APPLICATIONS

- Drop Leg Drain
- External Filter 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.

### DIMENSIONS

Model No.	Connection FPT	Dimensions (INCHES)				Weight (lbs.)
		A	B	C	D	
T53-01	1/8"	2 3/4	3 1/4	6 1/2	2 1/4	1.0
T53-02	1/4"	2 3/4	3 1/4	6 1/2	2 1/4	1.0
T53-03	3/8"	2 3/4	3 1/4	6 1/2	2 1/4	1.0
T53-04	1/2"	2 3/4	3 1/4	6 1/2	2 1/4	1.0

### 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.

Model J - For plastic bowls - push to manually drain  
Model K - For metal bowls - twist to manually drain

Kit Ordering #  
32008  
CKFK

## Accessories

### Slide Valve



Arrow's new slide valve is available either as a 2 way valve or as 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. The 2-way slide valve (open or closed) serves as a bypass to insure continued system operation during maintenance.

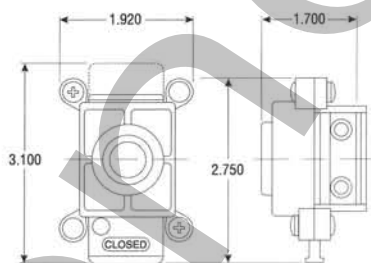
**Body** is nickle plated zinc. Slide is 5% Teflon, high-impact, safety yellow plastic. Seals are pre-lubricated Buna O-rings. Screws are nickel plated steel.

**Maximum operating pressure:** 250 PSIG

**Maximum operating flow:** 140 SCFM

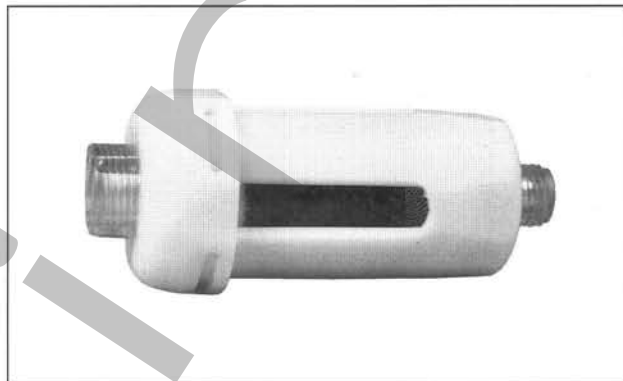
**Operating temperatures:** 35°F to 150°F

**Exhaust bleed at 100 PSI:** 7 SCFM



Valve Type	Standard Line With Threaded Ports	
	Model	Port Size
2 Way Valve	V102	1/4"
	V103	3/8"
	V104	1/2"
3 Way OSHA Lockout Valve Customer to Supply Lock	V202	1/4"
	V203	3/8"
	V204	1/2"

### Mini In-Line Desiccant Dryer (-40°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

##### Guard

- Transparent nylon guard shows color change when dryer needs replacement

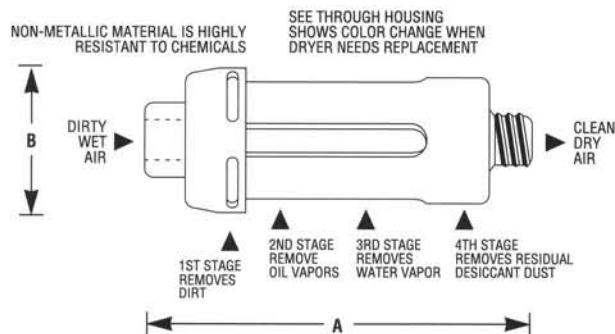
**Maximum Flow Capacity:** 15 scfm

**Maximum Pressure:** 125 psi

**Maximum Temperature:** 130° F

#### APPLICATIONS

- Parts blow off
- Paint guns



#### DIMENSIONS

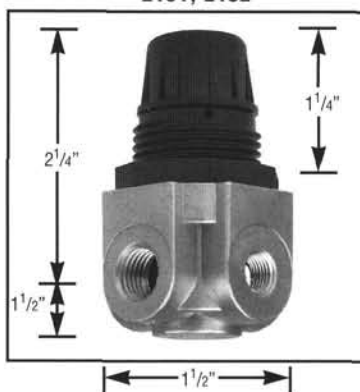
Model No.	Dimensions (inches)		Weight
	A	B	
DFD-10	3 3/4"	1 1/16"	2.8 oz.

## Accessories

E291, E292



E191, E192



### 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.

#### Ordering Information

Pipe Size	Model No.	Description
1/8"	E291	All Plastic non-corrosive parts.
1/4"	E292	
1/8"	E191	Die cast zinc body, brass seat. Buna N Diaphragm
1/4"	E192	

#### Specifications

- E291, E191 all 1/8" ports
- E292, E192 1/4" ports
- With 1/8" gauge ports
- Maximum Pressure Range**
- 150 PSI

#### Options

- B - 2-Position Mechanical Lockout Knob
- G - Gauge (0-160 psi)
- I - Instrumentation pressure, 1 - 15 psig
- Maximum Temperature Range**
- 40°F to 120°F
- L - low pressure 0 - 50 psig
- P - panel mount nut
- U - No Gauge Ports
- V - All 1/4" Ports (4)

#### Air Relief Capacity - SCFM

Range (psig)	Instrumentation Spring Range 1 to 15		Low Pressure Spring Range 15 to 30		Standard Pressure Spring Range 50 to 125	
	Set Pressure (psig)	5.0	10.0	20.0	40.0	60.0
Rated Flow @ 10%*	.1	.3	.5	4.0	.2	5.5
Rated Flow @ 20%*	.3	.7	2.8	15.0	6.5	14.0
Rated Flow @ 30%	.5	2.3	6.8	25.0	15.0	23.0

Reseat @ ±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.

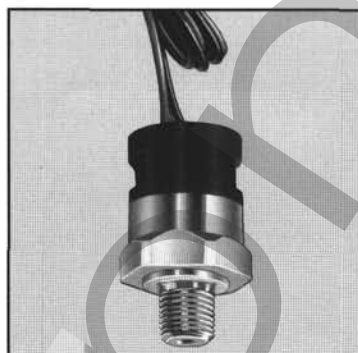
### PRESSURE SWITCH

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 110 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



Part No.	NPT	Overall Length	Dia.	Wt. Lbs.	Voltage	Inductive	Resistive
PDA4	1/4"	1 5/8"	1 1/8"	.25	125/150/VAC	5 AMP	7 AMP

#### Standard Electrical Circuit

Wire Color	Circuit
Black	Common
Green	Normally Closed
Red	Normally Open

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

# Pressure Gauges

## Arrowlight



### FEATURES

- Provides highly visible, red signal light which can be seen from far away
- Takes the guesswork out of when to replace a filter element
- Installs directly to the heads of Arrow High Flow filters or mounts in a remote control area of your choice
- Offers self-contained battery-powered unit (AAA battery included)
- Eliminates need for remote electrical connections
- Designed for use with Arrow coalescing or oil removal filters

### SPECIFICATIONS

- Warns of critical pressure drop and air flow loss at 6 to 7 psi
- AAA batteries included

### Maximum Pressure

- 300 psi

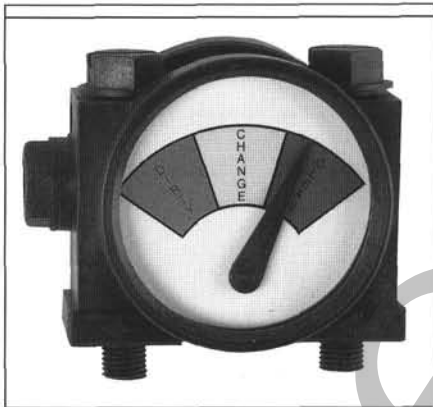
### Maximum Temperature

- 40° F to 160° F

Model No.	Dimensions (inches)		
	A	B	C
DP12A*	3 <sup>9</sup> / <sub>32</sub>	2 <sup>3</sup> / <sub>32</sub>	2 <sup>13</sup> / <sub>32</sub>
DP12B**	3 <sup>9</sup> / <sub>32</sub>	2 <sup>3</sup> / <sub>32</sub>	2 <sup>13</sup> / <sub>32</sub>

\*Model No. DP12A to mount directly on existing filter head for replacement only.  
 \*\*Model No. DP12B Remote model with slotted bolts and mounting block.  
 NOTE: TO ORDER PRE-MOUNTED UNITS, ADD SUFFIX "C" TO FILTER NUMBER.

## 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.

Color	Indicates	Pressure Drop
Green	Clean	0-6 psi
Yellow	Change	6-9 psi
Red	Dirty	9-12 psi

### 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

### GAUGE MODELS

- DP10-A\*  
Basic model with 3/8"-24 slotted bolts
- DP10-AE\*  
Basic model with 3/8"-24 slotted bolts and Reed Switch
- DP10-B  
Gauge with Remote Mounting Block
- DP10-BE  
Gauge with Remote Mounting Block and Reed Switch

### KITS AND ACCESSORIES

- MK-10  
Mounting Kit for vertical or wall mounting
- TK-10  
1/4" Tubing Kit with Connector Fittings

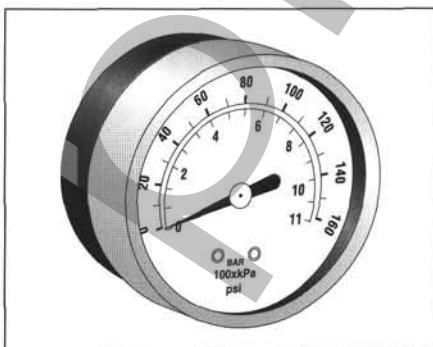
\* Model No. DP10-A & DP10-AE to mount directly on existing filter head for replacement only.

\*\* Model No. DP10-B & DP10-BE remote model with slotted bolts & mounting block.

Note: To order pre-mounted units, adds suffix "D" to filter #.

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

## Pressure Gauges

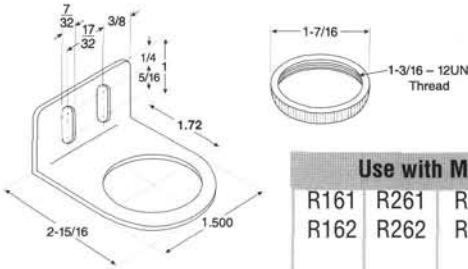


PART NO.	DESCRIPTION	PRESSURE RANGE	USED ON
1481C	2" face, 1/4" center back mount	0-30 psi	Tri•Star Tri•Star II High Flow
1481A	2" face, 1/4" center back mount	0-60 psi	
1481	2" face, 1/4" center back mount	0-160 psi	
1481B	2" face, 1/4" center back mount	0-300 psi	
1681C	1 1/2" face, 1/8" center back mount	0-30 psi	Mini Regulators and Mini Integral
1681A	1 1/2" face, 1/8" center back mount	0-60 psi	
1681	1 1/2" face, 1/8" center back mount	0-160 psi	

# Brackets & Accessories

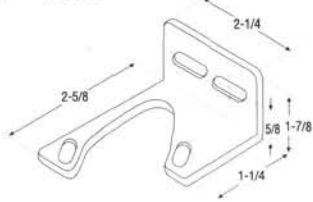
## Miniature Mounting Brackets

BR1611 Bracket & Ring  
PK1611 Ring Only



Use with Model #			
R161	R261	R361	7681
R162	R262	R362	7682
			7621
			7622

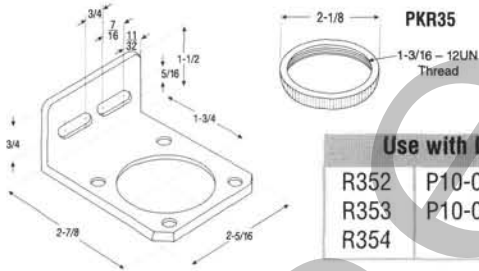
## FBK5



Use with Model #		
F352	L352	L452
F353	L353	L453
F354	L354	L454

## RBK5

Mounting bracket for Tri-Star, Midflow, and precision regulators listed below. Also can be used for Tri-Star FRL Combination units.

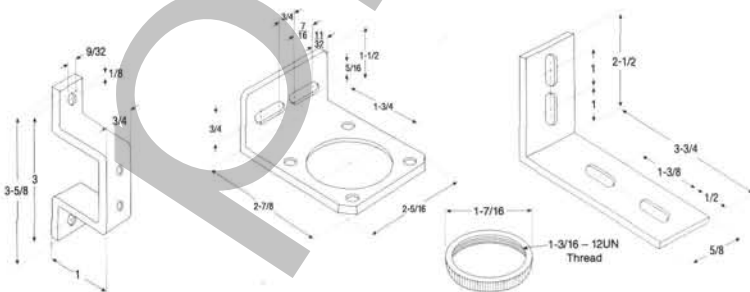


Use with Model #		
R352	P10-02	P14-02
R353	P10-03	P14-03
R354		P14-04

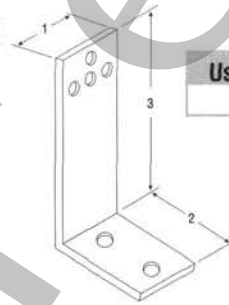
## ABK-10

Use with Model #

VC7510  
VC7510XL  
VC7525

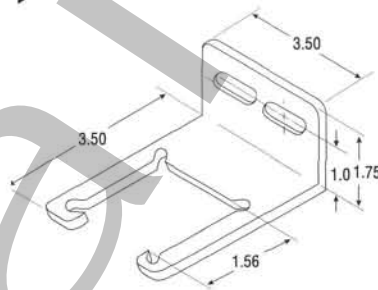


## BR5702 Bracket



Use with Model #  
5702S

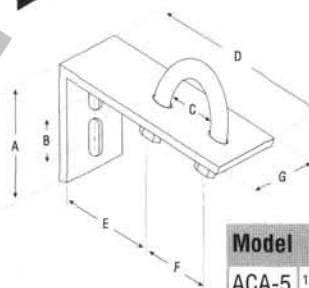
## FBK7 Midflow Brackets



Use with Model #			
F373	F383	L373	L383
F374	F384	L374	L384
F376	F386	L376	L386

## ACA Pipe Brackets

Mounting bracket for use with Tri-Star FRL's.  
Example: N33354



Model	NPT	A	B	C	D	E	F	G
ACA-5	1/4", 3/8"	2 1/2"	3/16"	3/4"	3 7/8"	2 1/16"	1 5/16"	5/8"
ACA-6	1/2", 3/4"	2 1/2"	3/16"	1 5/32"	3 7/8"	1 13/16"	1 5/16"	5/8"
ACA-7	1"	2 1/2"	3/16"	1 1/2"	3 7/8"	1 5/8"	1 11/16"	5/8"

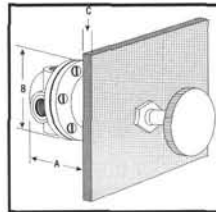
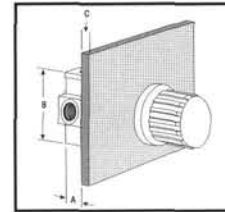
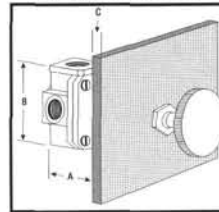
## Regulator Accessories

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

Suffix Q Tri-Star

Suffix P Tri-Star

(1500 Series Regulator)

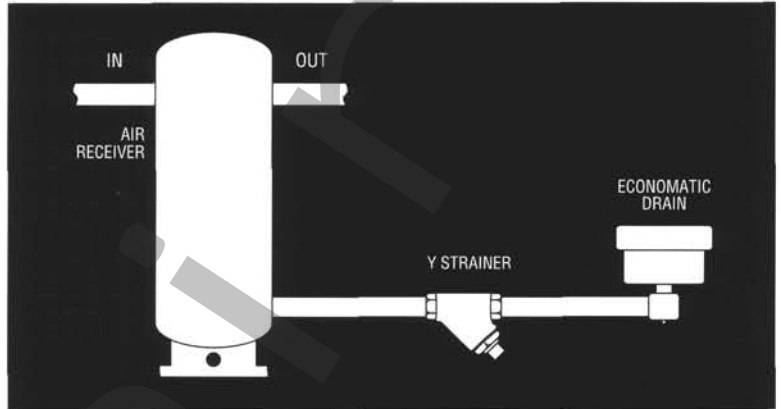


### Panel Mounting Regulators

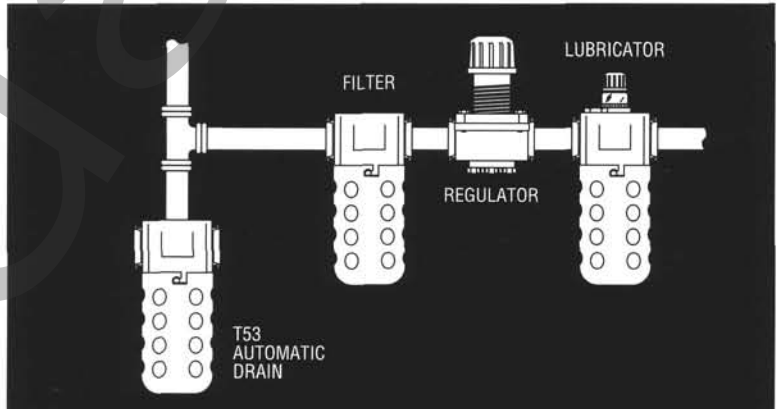
Regulator Model	Suffix for Panel Mt.	Panel Hole Size	Dimensions & Max. C		
			A	B	
Tri-Star, Midflow & Precision Series	P	1 13/16"	1 1/4"	2 22/32"	1/2"
Tri-Star, Midflow & Precision Series	Q	9/16"	3 1/2"	2 23/32"	5/16"
1586	P	3/4"	5"	4 3/4"	1/4"
1588	P	3/4"	5"	4 3/4"	1/4"

# Applications

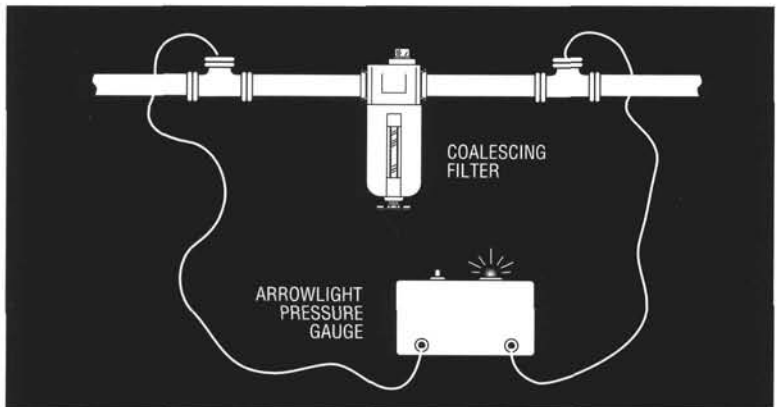
## ▶ Economatic Drain



## ▶ T53 Automatic Drain

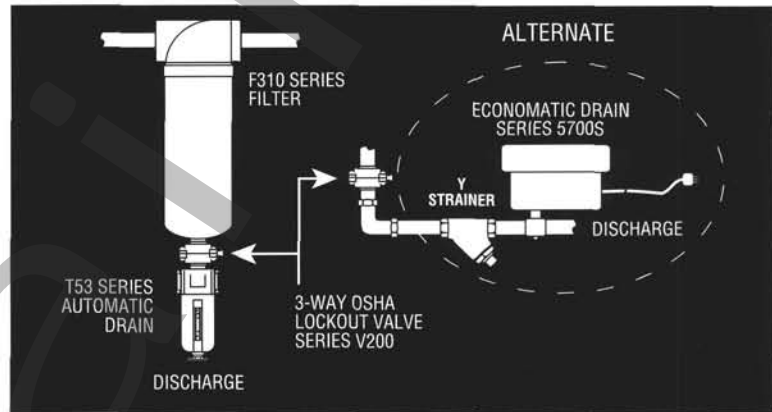


## ▶ Tri•Star Coalescing Filter With Remote Arrowlight Differential Pressure Gauge



# Applications

## ► Typical Filter Drain



## ► Relief Valve

