

# Reading Technologies, Inc.



## Industrial Distributor Handbook





## Table of Contents

Why RTI?.....	1
"Inverse Flow™" Technology.....	2
A Look at Filter Elements.....	3
Website Information.....	4
Product Information	5
<i>Product Line Overview.....</i>	6
<i>How to Construct an RTI Part Number.....</i>	7
<i>Applications.....</i>	10
<i>Accessories .....</i>	34
<i>Refrigerated Dryers.....</i>	38
Policies & Procedures.....	39
Contact Information.....	41

# Why RTi?

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## Patented “Inverse Flow™” Filter/Dryers

- Cartridge-less water separation (95% of condensed water never sees media)
- Superior water separation
- Depth Filtration (Air penetrates 4” of filter media versus 1/8” of competitors)
- Harsh Application Service (Worst contaminants in air stream never reach filter media. The balance only encounters bottom of media bed)

## Tool-less Element Change

- Easy clamp ring retainer for bowl removal
- Spin-on/Spin-off elements
- Never need to remove unit from piping for service

## Finer Filtration

- Single/First Stage (1 Micron absolute vs 5-25 Micron nominal)
- Coalescers (99.99998% at 0.01 Micron)
- Desiccants (Built in 1 Micron final filter; top grade desiccant media with low dust emissions)

## Fast Delivery

- 90% of orders ship in 2-3 days
- Same day shipping usually available if received by 12:00 pm

## Product Support

- Sales Manager
- Factory technical support available each business day
- Small enough to be flexible

## Custom Engineered Products

- Not limited to “standard” products
- If you do not see what your customer needs, ask us.

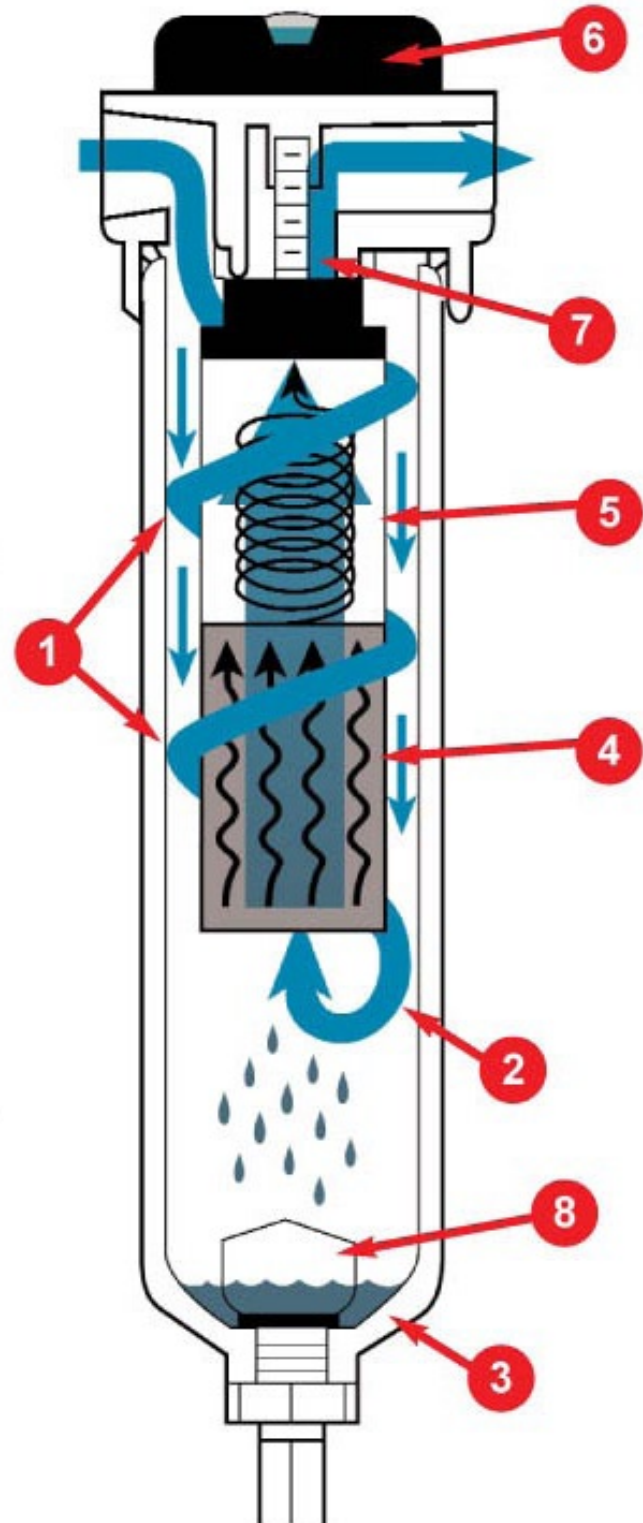
**\* Usually we can design and/or build something that  
will exceed your needs and expectations!**



# "Inverse Flow™" Technology

## Inverse Flow Technology

- 1 • Centrifugal Spinning -- Bulk contamination is spun in a circular motion as air flows downward.
  - RTI's patented element design forces particles outward where they contact the inside of the bowl and drain to the sump area
- 2 • Inverse Flow -- Air spins rapidly as it flows vertically downward, 180° change of direction and flow vertically upward.
  - Prevents re-entrainment of contamination
- 3 • Contamination gathers at the bottom of the bowl after spinning rapidly through our patented Inverse-Flow Technology.
- 4 • Stainless Steel Element: Filtration to 3.0 micron.
  - Stainless Steel mesh wires hold small aerosols and liquid. Condensed liquids collect on wire media, forming larger droplets that fall into the drain area.
- 5 • Friction Drying & Filtered Air to 1.0 micron -- interwoven cotton, polyester and stainless steel material.
  - Captures smaller water droplets, and particulate that have bypassed the stainless steel wire mesh. Final filtration to 1.0 micron with 99.97% efficiency.
- 6 • Differential Pressure Indicator: Turns from green to red to indicate necessary element replacement.
- 7 • Spin-on/Spin-off cartridges for easy element replacement
- 8 • Automatic Float Drains offer purge when necessary convenience for hands-off operation.
  - Manual & Electronic Drains Also Available



# A Look at Filter Elements

What is the most important part of a pneumatic filter? *The element, of course.*  
If that is true, **THEN....**

***Why do all of the major filter manufactures look the same?***

If every one of these elements is virtually the same material and function,  
how can you expect different results....



***How do you get different results?***  
***Use something different!***



**Reading Technologies, Inc. is that difference.**

A difference that can clearly be seen in our element construction:  
Patented “Inverse Flow™” technology, stainless steel mesh (3 Micron),  
“Friction Drying” (1 Micron absolute) and activated carbon.

If you want to protect your equipment, avoid downtime losses & increase  
productivity then the choice is right in front of you!







# Product Line Overview

## Eliminex®

For water and dirt removal 3 micron and larger



60  
scfm



120  
175  
250  
scfm



300  
400  
700  
scfm



2500  
5500  
scfm

## Eliminizer®

For water and dirt removal 1 micron and larger



20  
scfm



35/60  
scfm



90/150  
scfm

## Combo Units

For water, dirt and oil removal  
0.01 micron and larger



20  
scfm



90  
scfm

## Oil-Extractor Combo

For water, dirt, oil, oil vapor &  
odor removal



60/90  
scfm

## Coalescer

For Oil Removal larger than 0.01 micron



60  
scfm

## Eliminator II®

For water, dirt, oil & oil vapor removal



10/25 scfm  
-40° F Dew Point

Note: Not every model available in every size. Consult factory for more information.



# How to Construct an RTI Part Number

Everyone's part numbers look complicated at first glance and RTI is no exception. However, once understood it becomes simple to select the right product for the problem. Here are the steps broken down into their basics. For this we will use the part number:

**1P-060-P06-Fi**

The first position, "1", is used to describe the type of element that is in the product. There are 3 possible numbers that can be used in this place.

**1**

This number describes an all stainless steel element material. This element is the standard element for the "Eliminex" product. It is a "cleanable" stainless steel mesh providing 3 micron filtration. This element is used for dirt and water removal.

**3**

This number describes our patented two-stage element consisting of a bottom portion of the same stainless steel as the "Eliminex" element and resting on top of that, a second stage element consisting of cotton, nylon and stainless steel providing 1 micron of filtration. This is the element used in the "Eliminizer" unit, our most popular product.

**4**

This number describes our patented four-stage element consisting of stainless steel on the bottom and then our cotton, nylon and stainless steel wrap, then activated carbon and then our cotton and stainless steel wrap. This is the element used in our "Oil Extractor" product.

*Note: There is an exception and that is the RTI Coalescer product They are ALWAYS a "3C". For our example, a coalescer would be a "3C-060-P04-Fi". Pictures of the elements are provided below.*



1P-060



3P-060



4P-060



3C-060

**1P-060-P06-Fi**

The second position, "P", is used to describe the element tube material. All of RTI's elements are placed inside a tube except the coalescer which has no external material housing it's Borosilicate element. There are two types of tubes used by RTI:

**P**

Indicates that a polycarbonate material is used for the tube.

**M**

Indicates that an aluminum material is used for the tube.

## **1P-060-P06-Fi**

The third position, "060", is actually a grouping of numbers. It represents the maximum SCFM flow capacity of the unit being selected. All part numbers are based on a 100 PSI inlet pressure rating. Our example would be 60 SCFM. There is a possibility of 4 positions in this group. A 150 SCFM unit would be a 3P-150 where as a 2500 SCFM unit would be a 1M-2500. A "0" is used in front of the 20, 60, or 90 SCFM units.

The coalescer has two options with this grouping. If you want the standard coalescer element, the number will end in a "0". If you want our Food Grade element, the number will end in a "1". The Food Grade element is often referred to as simply a "Grade 1" element. A "Grade 1" product would be a "3C-061-P04-Fi" in this example.

## **1P-060-P06-Fi**

The next number grouping, "P06", is the part number is the actual bowl material and the pipe size. This bowl is only available up to 1". There are a total of four bowl options. Our example would have a polycarbonate bowl.

- P** For polycarbonate bowl.
- S** For "Food Grade" which is used as it implies in the food & beverage industry.
- M** For aluminum, commonly referred to as simply "metal bowl".
- S** For 316 stainless steel. Available in 1/2" & 1" NPT as RTI's standard units.

The port size of the filter head is based on 1/4" increments. Once more, our example was a "P06" which means a poly bowl with 3/4" port.

- 02** a 1/4" port would be an "02".
- 04** a 1/2" port would be an "04".
- 06** a 3/4" port would be an "06".
- 12** a 1-1/2" port would be an "12".

*The flange units have their own code: FD = 3", FE = 4" and FF = 6"*

Within the port size is the thread type. The standard thread type for the RTI units is NPT. British Parallel and Tapered are also available. Please contact the factory if you want a BSPT or BSPP unit.



## 1P-060-P06-Fi

The next position, "F," in the part number is always a letter or letter combination. This specifies the drain type.

**F** Means automatic float drain.

**P** Means manual drain (petcock).

**X** Means external automatic drain; which is standard on the 1900 SCFM and higher units. It can be an option on smaller units.

In the RTi line, there is the option of requesting Single Stage Units (Eliminex and Elimizer) or a Dual Stage (Combo) Unit. A Dual Stage Unit is simply a Single Stage with a Coalescer. With respect to the "Oil Extractor", it is always sold as a Combo unit.

The Combo units come with the following drain options.

**DC** Combination means that both stages have an automatic float drain.

**DCP** Combination means that both stages have manual drains.

Another option for both Single Stage and Combo Units are "High Pressure" housings. This is the position where these are requested.

**PHP** For the Single Stage unit with High Pressure housing and manual drain.

**DCHP** For a Combo Unit with both bowls rated for high pressure and have automatic float drains.

## 1P-060-P06-Fi

The last position "i" is the RTi code for a pressure differential indicator (N32-W1-DPI). This is an option for both the Single Stage and Combo Units.

RTi has the ability to create other product to meet your customer's needs. If you have questions, please contact the factory and they will work with you to create the product to secure your customers business.



# Automotive Applications

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Various processes on an automotive production line require clean, dry compressed air. Reading Technologies' products can be used to keep critical machines running smoothly.

## Robotic Welding

### 4P-151-M08-DC

Reading Technologies recommended Model Number 4P-151-M08-DC for robotic welding applications where oil and water were causing premature tip failures. This 1" unit will remove all water condensate and oils to 0.01 micron. This will lengthen tip life, reduce maintenance downtime and maintain accurate welds. Maintenance includes replacement elements. The 1st stage should be changed every 6-9 months and the 2nd stage every 12-15 months.



## Power Air Tools

### 3P-150-M08-DC

Reading Technologies recommended Model Number 3P-150-M08-DC be installed where banks of air tools were employed and were failing due to water corrosion and excess oil build up. This 1" unit can support several tools from a common manifold. 1st stage element, 3P-150, should be changed every 6-9 months and the 2nd stage element, 3C-150, should be changed every 12-15 months.



## Tire Manufacturer

### 4P-151-M08-DC

Reading Technologies customers have installed model number 4P-151-M08-DC at the bonding and control equipment points to remove all contamination from touching the finished product. This ensures that blemishes do not form from water and oil contamination in the curing process.



## Wheel Installation

### 1M-700-M16-DC

Reading Technologies recommends model 1M-700-M16-DC be installed at the pneumatic gun stations that install multiple lug nuts on the wheel. Water and oil at these locations cause failure of these guns and can become a bottleneck for line slowdown. The 1st stage element, 1M-700, is cleanable 316 stainless steel and the 2nd stage coalescer, 3C-700, should be changed every 12 months.



# Bakery Applications

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*Bakeries utilize clean compressed air for proper functioning of machinery, and preventing costly downtime. Reading Technologies offers a vast range of patented filters to ensure clean compressed air to important applications.*

## **Air Assisted Bagging**

*4M-151-M06-DC*

Compressed air used to open product packaging bags needs to be mold and bacteria free. Clean compressed air enhance finished product shelf life and reduce product return. RTi recommends that elements be replaced every 3-6 months for this application.



## **Ingredient Contamination**

*4P-150-M08-DC*

Contamination in the form of water, dirt, and oil can enter the ingredients needed to produce the end product violating FDA regulations. We recommend utilizing a 4P-150-M08-DC to remove the contaminants. Recommended maintenance for this unit is the replacement of elements every 3-6 months depending of the level of contamination.



## **Video Jet Date Coding Machine**

*4P-060-M04-DC*

Date code packaging equipment can prematurely fail because of miniature air valves being clogged due to contamination. This causes lost revenue from downtime of machinery. A 4P-061-M04-DC unit is recommended for this application, which removes harmful contaminants with a combination of activated carbon coalescing elements. Recommended maintenance is the replacement of elements every 3-6 months.



# Bottling Applications

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*Bottling requires extremely clean dry compressed air for proper functioning of machinery. Reading Technologies offers filtration to ensure clean air, and eliminate costly downtime.*

## Video Jet Printers

*4P-061-M4-DC*

Companies which produce soda and other carbonated beverages have facilities with controlled air temperatures in certain locations. These cold rooms cause condensed liquids to form in compressed air lines. If compressed air with water and oil comes in contact with video jet equipment used to serialize a product, the ink application will be poor and production time will be lost. Reading Technologies has installed combo units on multiple video jet applications eliminating previous equipment failures. This combo product is far superior to the filtration supplied by the O.E.M. in this application.



## Video Jet Optic Serializing Machines

*4P-061-M4-DC*

Manufactures of juice products, whether it be orange, apple, or tomato, require clean air to video jet optic serializing machines. The juice facilities operate extremely fast for short periods of time and production can not be lost due to compressed air problems. The combo unit installed directly before the video jet machine will eliminate down time due to poor air quality. This application has been installed since 1993 without failure.



## Blow Molding Machine

*1P-150-M08-DC*

A brewery purchased a compressor to operate a blow molding machine. The compressor was not equipped with any form of drying equipment and generated tremendous amounts of water. Eliminex Combo units were installed in the mainline and a point-of-use Eliminerizer was installed directly adjacent to the blow molding machine. The units eliminated the water problem and increased production.



## Dairy Filling Machine

*4P-060-S04-DC*

A leading dairy in Pennsylvania suffered downtime associated with their filling machine. Water, dirt and oil were causing improper air valve operation. Reading Technologies supplied model 4P-060-S04-DC, a stainless steel combination unit, for this application in a wash down environment. 316 Stainless units are available in 1/2" and 1" ports.



# Cement Mfg. Applications

Cement Manufacturing processes require extremely clean dry compressed air for proper functioning of machinery. Reading Technologies offers patented filters and dryers to ensure clean air, and eliminate costly downtime.

## Valve Failure

### 3P-060-M04-DC

Reading Technologies recommended Model Number 3P-060-M04-DC and air valve application, which were failing due to particulate, water and/or oil. This 1/2" inch combination unit will prevent contamination from causing valve failure. Maintenance includes replacement of the elements, part numbers 3P-060, which should be changed on 6-9 months, and 3C-060, which should be changed every 12 months.



## Hopper Controls

### 3P-150-M08-F

Reading Technologies recommended the use of 3P-150-M08-F for proper operation of control actuators. These units can generally handle some amount of contamination but are susceptible to water removing the lubrication in the mechanism. The Elimimizer® will prevent migration of water at the hopper control arms. Maintenance includes replacement of the element, part number 3P-150, every 6-9 months as required.



## Electrical Control Panels

### 4P-061-M04-DC

Electrical control panels require clean compressed air for cooling in cement applications. Reading Technologies recommends model 4P-061-M04-DC for the air service leading to electrical boxes. The compressed air, which enters these boxes, must be free of water, dirt and oil contamination. Maintenance would include replacement of elements part numbers 4P-060 on a 6-9 month interval, and 3C-061 on a 12 month interval.



## Air Tools

### 3P-060-M04-F

Air tools are frequently used in harsh environments in cement facilities. Reading Technologies recommends the use of 3P-060-M04-F, 1/2" filters for air tool applications. These units remove water and dirt which can cause air motor failures. Maintenance includes replacement of the element, part number 3P-060, every 6-9 months.



# Control Valve Protection

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3P-060-M04-F

- Press Valve Protection
- Water Removal
- Stops Rust
- Prevents Prelube Wash-out
- Eliminates Contamination
- Eliminates Costly Downtime

## Applications:

Protect your press control valves with RTi Quality Filtration. Units utilize patented inverse flow to eliminate bulk water from your compressed air lines.

Other applications include: Feeders and Pneumatic Controls

## Options:

- 60, 90, 150 SCFM available
- Differential pressure indicators available
- Automatic and manual drains available
- Mounting brackets available

## Method:

Single stage unit with patented "Inverse Flow™" and "Depth Filtration" technology. The 1st stage is composed a stainless steel and a "friction dryer". 1 micron and larger.

## Features:

- Auto drains
- Metal bowls
- Patented elements



Optional mounting bracket: **BK-1**



# Coordinate Dryers

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4P-061-M04-DC

- Point of Use Dryer
- Water Removal
- Oil Removal
- Oil Aerosol Removal
- Ensures Mirror Cleanliness
- Eliminates Contamination
- Eliminates Costly Downtime

## Applications:

Protect your press control valves with RTi Quality Filtration. Units utilize patented inverse flow to eliminate bulk water from your compressed air lines.

Other applications include: Feeders and Pneumatic Controls

## Options:

- 60, 90, 150 SCFM available
- Automatic and manual drains available
- Differential pressure indicators available
- Mounting brackets available

## Method:

Two stage unit with patented "Inverse Flow™" and "Depth Filtration" technology. The 1st stage is composed of 4 layers of filtration material to include activated carbon for hydrocarbon removal to 0.03 ppm. The 2nd stage is a 0.01 micron "Grade 1" coalescer.

## Features:

- Auto drains
- Metal bowls
- Patented elements



Optional mounting bracket: **BK-1**

# Desiccant Applications

## DE401-M04 Series



No loose desiccant; change the cartridge in seconds with no tools. Features built in 1 micron dust filter. Housing includes indicator assembly.

Dimensions (WxH: inches)

DE401-M04	1/2" 25 scfm @ 100 psi -40°F Dew Point Desiccant Dryer	6-3/4 x 16-1/2
DE401-M06	3/4" 25 scfm @ 100 psi -40°F Dew Point Desiccant Dryer	7 x 17-1/8
DE401-M08	1" 25 scfm @ 100 psi -40°F Dew Point Desiccant Dryer	7-5/8 x 17-1/8

DE-350 low profile desiccant dryer with poly bowl available. Contact factory for info.

## E-4000 Series



No loose desiccant; change the cartridge in seconds with no tools. Pre-filter removes water/dirt/oil & odor. Desiccant features built in 1 micron final dust filter. Best selling product for dew point sensitive applications. Feature regulator with gauge and bracket.

Dimensions (WxH: inches)

E4000-2	1/4" 25 scfm @ 100 psi -40°F Dew Point Desiccant Dryer	16 x 18-3/4
E4000-3	3/8" 25 scfm @ 100 psi -40°F Dew Point Desiccant Dryer	16 x 18-3/4
E4000-4	1/2" scfm @ 100 psi -40°F Dew Point Desiccant Dryer	16 x 18-3/4

## DRAD Series









3 Year  
Performance  
Guarantee!

Self regenerating twin tower desiccant dryer. Dew point suppression to -40°F while maintaining 3% of less relative humidity. For use in labs, cold rooms & spray finishing.

Dimensions (WxH: inches)

DRAD-4	4 scfm Regenerative Desiccant Air Dryer -40° Dew Point	20-1/2 x 9-1/2
DRAD-8	8scfm Regenerative Desiccant Air Dryer -40° Dew Point	27-9/16 x 9-3/4
DRAD-15	15 scfm Regenerative Desiccant Air Dryer -40° Dew Point	44-7/8 x 9-3/4
DRAD-25	25 scfm Regenerative Desiccant Air Dryer -40° Dew Point	50-7/8 x 10-1/2

Note: Max inlet temp: 120°F. Max inlet pressure: 100psi. 110 VAC with 5' power cord. -100°F dew point available. Please call for more information as well as info about larger/higher flow units or spraying applications.

 <p><b>4P-060</b> 1st Stage Replacement Element (E4000 Series)</p>	 <p><b>DE401</b> 2nd Stage (E4000 Series) DE401M04/6/8 Desiccant Element</p>	 <p><b>D-05</b> 5 lb Desiccant Jug (Available in 50lb: D-50)</p>								
 <p><b>RTi-04-CK</b> Dew Point Indicator Eye Assembly</p>	 <p><b>DE406</b> 6 Pack (DE401)</p>	<p># of D-05 Needed per unit</p> <table> <tr> <td>ESDD-5..... 1</td> <td>DRAD-4..... 1</td> </tr> <tr> <td>ESDD-10.... 1</td> <td>DRAD-8..... 2</td> </tr> <tr> <td>ESDD-25... 2</td> <td>DRAD-15... 3</td> </tr> <tr> <td>ESDD-40... 3</td> <td>DRAD-25.. 5</td> </tr> </table>	ESDD-5..... 1	DRAD-4..... 1	ESDD-10.... 1	DRAD-8..... 2	ESDD-25... 2	DRAD-15... 3	ESDD-40... 3	DRAD-25.. 5
ESDD-5..... 1	DRAD-4..... 1									
ESDD-10.... 1	DRAD-8..... 2									
ESDD-25... 2	DRAD-15... 3									
ESDD-40... 3	DRAD-25.. 5									
 <p><b>RTi-SG-651</b> Dew Point Indicator</p>										

RTi-TP-651 1" Humidicator Paper

# Food Processing Applications

Food Processing utilizes clean compressed air for proper functioning of machinery, and avoiding costly downtime. Reading Technologies offers a vast range of patented filters to ensure clean compressed air to important applications.

## Air Controls Freezing

*3P-060-M04-F*

Air valves and cylinders can freeze because of water contamination and fail to shift, thus shutting down the line. By installing our 3P-060-M04-F inline filter, this potential problem is eliminated. We recommend replacing the elements every 6-9 months for proper functioning of units.



## Ingredient Contamination

*4P-151-M08-DC*

Contamination in the form of water, dirt, and oil can enter the ingredients needed to produce end products violating FDA regulations. We recommend utilizing a 4P-151-M08-DC to remove the above contaminants. Recommended maintenance is the replacement of the first stage element every 6-9 months, and the 2nd stage coalescer every 12 months.



## Wine Press/Bladder Contamination

*1P-175-M08-F*

Press bladders can break due to water contamination in the airline. The rupture would contaminate the grapes and cause a shut down of the press. By installing two 1P-175-M08-F in parallel, the water contamination problem is eliminated, keeping the bladder from breaking. This not only prevents lost revenue from downtime, but also preserves the grapes.



## Video Jet Date Coding Machine Breakdown

*4P-061-M04-DC*

Date code packaging equipment can prematurely fail because of miniature air valves being clogged due to contamination. This causes lost revenue from downtime of machinery. A 4P-061-M04-DC unit is recommended for this application, which removes harmful contaminants with a combination of activated carbon coalescing elements. Recommended maintenance is the replacement of the first stage element every 6-9 months, and the 2nd stage coalescer every 12 months.



# Food Grade Applications

These special Food Grade certified powder-coated filters are excellent for wash down environments, which is typical in the food processing and dairy industries. The powder coating itself is non-toxic. The filters meet the requirements of 21 CFR 110, while the coating ingredients meet at least one section of FDA Title 21, with the exception of food items containing 8+% alcohol. Note: Consult the factory for other filter combinations not shown below or for any special application questions.



**Eliminizer:** Water & Dirt Removal (+Oil in Combo)  
**Coalescer:** Light Water, Light Dirty & Oil Removal  
**Oil-Extractor:** Water, Dirt & Oil Removal

## Order Guide

## Physical Dimensions

	Port Size	Metal Bowl	Height (in.)	Width (in.)	Depth (in.)
Eliminizer	3/8"	3P-060-F03-Fi	11.5	8	3.8
	1/2"	3P-060-F04-Fi	11.5	8	3.8
	3/4"	3P-090-F06-Fi	15.0	10	4.6
	1"	3P-150-F08-Fi	15.0	10	4.6
Eliminizer Combo	3/8"	3P-060-F03-DCi	11.50	8	3.8
	1/2"	3P-060-F04-DCi	11.50	8	3.8
	3/4"	3P-090-F06-DCi	15.0	10	4.6
	1"	3P-150-F08-DCi	15.0	10	4.6
Coalescers	3/8"	3C-061-F03-Fi	11.5	8	3.8
	1/2"	3C-061-F04-Fi	11.5	8	3.8
	3/4"	3C-091-F06-Fi	15.0	10	4.6
	1"	3C-151-F8-Fi	15.0	10	4.6
Oil Extractor Combo	3/8"	4P-061-F03-DCi	11.5	8	3.8
	1/2"	4P-061-F04-DCi	11.5	8	3.8
	3/4"	4P-090-F06-DCi	15.0	10	4.6
	1"	4P-150-F08-DCi	15.0	10	4.6

## Specifications

Port Sizes	3/8", 1/2", 3/4", 1"
Thread Styles	NPT
Flow Capacity	60/90/150 scfm @ 100 PSI
Housing Type	FDA Powder Coated Aluminum
Filter Capacity	3P: 1 micron 4P: 1 micron 3C: 0.01 micron

# 316 Stainless Steel Units

Easily remove water, dirt and oil contamination from applications without worry of corrosion. All units manufactured from 316 stainless steel.

## Eliminizer®

Removes: Water & Dirt

- Removes water and dirt in gas system
- Removes water and dirt to 1 micron
- Utilizes patented "Inverse Flow™" stainless steel and cotton element
- May be installed in most washdown applications
- Plastic automatic drain or nickel-plated brass manual drain



3P-060-S04-F



3P-150-S08-F

## Oil Extractor Combo®

Removes: Water, Dirt & Oil

- Removes water and dirt in gas system
- Removes water, dirt and oil to 0.01 micron
- Stage 1 utilizes stainless steel fiber elements & a "Friction Dryer"
- Stage 2 utilizes Grade 1 borosilicate fiber elements and polyurethane drain layers
- May be installed in most washdown applications
- Plastic automatic drain or nickel-plated brass manual drain



4P-061-S04-DC

## Eliminex®

Mainline Separator/Filter

Removes: Water & Dirt

- Removes water and dirt in gas system
- Removes water and dirt to 3 micron
- Utilizes 'washable' stainless steel elements
- May be installed in most washdown applications
- Plastic automatic drain or nickel-plated brass manual drain



1P-060-S04-F



1P-175-S08-F

## Eliminex Combo®

Removes: Water, Dirt & Oil

- Removes water and dirt in gas system
- Removes water and dirt to 1 micron
- Stage 1 utilizes 'washable' stainless steel elements
- Stage 2 utilizes Grade 1 borosilicate fiber elements and polyurethane drain layers
- May be installed in most washdown applications
- Plastic automatic drain or nickel-plated brass manual drain



1P-090-S08-DC

# Stainless Steel Applications



**Eliminizer:** Water & Dirt Removal (+Oil in Combo)

**Eliminex:** Water & Dirt Removal (+Oil in Combo)

**Coalescer:** Light Water, Light Dirty & Oil Removal

**Oil-Extractor:** Water, Dirt & Oil Removal

## Order Guide

	Port Size	Metal Bowl
Eliminizer	1/2"	3P-060-S04-F
	1/2"	3P-090-S04-F
	1"	3P-090-S08-F
	1"	3P-150-S08-F
Eliminizer Combo	1/2"	3P-060-S04-DC
Eliminex	1/2"	1P-060-S04-F
	1/2"	1P-175-S04-F
	1"	1P-175-S08-F
Eliminex Combo	1/2"	1P-060-S04-DC
	1"	1P-090-S08-DC
	1"	1P-150-S08-DC
Coalescers	1/2"	3C-060-S04-F
	1"	3C-090-S08-F
	1"	3C-150-S08-F
Oil Extractor	1/2"	4P-060-S04-F
	1"	4P-150-S08-F
Oil Extractor Combo	1/2"	4P-060-S04-DC
	1"	4P-150-S08-DC

## Physical Dimensions

Height (in.)	Width (in.)	Depth (in.)
12	3.8	3.8
19	4.6	4.6
19	4.6	4.6
19	4.6	4.6
12	8	3.8
12	3.8	3.8
19	4.6	4.6
19	4.6	4.6
12	8	3.8
19	10	4.6
19	10	4.6
12	3.8	3.8
19	10	3.8
19	10	4.6
12	3.8	3.8
19	4.6	4.6
12	8	4.6
19	10	4.6

## Specifications

Port Sizes	1/2", 1"
Thread Styles	NPT
Flow Capacity	60/90/150/175 scfm @ 100 PSI
Housing Type	316 Stainless Steel
Filter Capacity	1P: 3 micron 3P: 1 micron 4P: 1 micron 3C: 0.01 micron Combo Units: 0.01 micron

# High Pressure/Natural Gas

Reading Technologies, Inc. can solve many applications found within the natural gas industry. Natural Gas applications require clean, contaminant free air. RTi can deliver the cleanest gas possible due to it patented filter design. Just another way RTi is revolutionizing the compressed air industry.

## Eliminex Separator

*1P-060-M04-PHP*

Eliminex Separator used for removal of bulk liquid, water, and dirt. Available in sizes ½” through 3” NPT with flows to 1200 scfm at 100psi. High Pressure units rated to 500psi. For best performance results, replace filter elements every 6-9 months to ensure proper functioning of filter.



## Eliminex Combo for Instrumentation

*1P-060-M04-DCHP*

Eliminex Combo used for removal of sludge from instrument lines. Unit combines 3 micron coarse filtration with 0.01 micron oil and hydrocarbon final element. For best performance results, replace filter elements every 6-9 months to ensure proper functioning of filter.



## Coalescer Final Filter

*3C-060-M04-PHP*

Sensitive natural gas instrumentation is susceptible to water, dirt, and liquid hydrocarbons. This single stage coalescer offers 0.01 micron filtration for protection. For best performance results, replace filter elements every 6-9 months to ensure proper functioning of filter.



## Mainline Contamination Removal, High Flow

*1M-1200-M24-DCHP*

Eliminex Combo used for removal of sludge from facility main lines. Unit combines 3 micron coarse filtration with 0.01 micron oil and hydrocarbon final element. For best performance results, replace filter elements every 6-9 months to ensure proper functioning of filter.



# Ink Jet Dryer Applications

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4P-061-M04-DC

- Point of Use Dryer
- Water Removal
- Oil Removal
- Oil Aerosol Removal
- Eliminates Contamination
- Eliminates Costly Downtime

## Applications:

Coding Machines which utilize compressed air for processing require extremely clean dry air for proper functioning. Any oils reaching the ink will cause the ink to be illegible. This will cause costly downtime, or require equipment replacement.

## Options:

- 60, 90, 150 SCFM available
- Automatic and manual drains available
- Differential pressure indicators available
- Mounting brackets available

## Method:

Two stage unit with patented "Inverse Flow™" and "Depth Filtration" technology. The 1st stage is composed of 4 layers of filtration material to include activated carbon for hydrocarbon removal to 0.03 ppm. The 2nd stage is a 0.01 micron "Grade 1" coalescer.

## Features:

- Auto drains
- Metal bowls
- Patented elements



Optional mounting bracket: **BK-1**



# Industrial Painting Applications

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4P-061-M04-DC

- Point of Use Dryer
- Water Removal
- Oil Removal
- Oil Aerosol Removal
- Eliminates Contamination
- Eliminates Costly Downtime

## Applications:

RTi's Oil Extractor Combination Units are ideal for manual or robotic industrial spray applications where a non automotive finish is acceptable. This unit offers high volume production, low maintenance, superior finishes and contaminant free air.

Other Applications include: Base-coat spraying, Glue application lines, Spray lacquer finishing, Air Cutters, Air Bearings, Air Gauging and Coordinate Measure Equipment

## Options:

- 60, 90, 150 SCFM available
- Automatic and manual drains available
- Differential pressure indicators available
- Mounting brackets available

## Method:

Two stage unit with patented "Inverse Flow™" and "Depth Filtration" technology. The 1st stage is composed of 4 layers of filtration material to include activated carbon for hydrocarbon removal to 0.03 ppm. The 2nd stage is a 0.01 micron "Grade 1" coalescer.

## Features:

- Auto drains
- Metal bowls
- Patented elements



Optional mounting bracket: **BK-1**

*Note: For automotive grade finishes, a DRAD desiccant unit is recommended.*

# Industrial Pneumatic Applications

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3P-060-M04-DC

- Point of Use Dryer
- Water Removal
- Oil Removal
- Eliminates Contamination
- Eliminates Costly Downtime

## Applications:

Air valves, air cylinders, pneumatic positioners and air logic components which utilize shop air can be damaged by water, dirt and oil contamination. RTi units installed at the point of use will eliminate costly downtime.

Other Applications include: Air Clutches, Air Logic, Pneumatic Controls

## Options:

- 60, 90, 150 SCFM available
- Differential pressure indicators available
- Polycarbonate bowl available
- Automatic and manual drains available
- Mounting brackets available

## Method:

Two stage unit with patented "Inverse Flow™" and "Depth Filtration" technology. The 1st stage is composed a stainless steel and a "friction dryer". The 2nd stage is a 0.01 micron "Grade 1" coalescer at 99.99998% efficiency.

## Features:

- Auto drains
- Metal bowls
- Patented elements
- Exceptional performance in dirty air



Optional mounting bracket: **BK-1**

# OEM Applications

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*The wide variety of OEM manufacturing requires specialized solutions for individual applications. Reading Technologies' versatile product line offers the specialization needed for these applications.*

## Control Valves

*3P-020-P02-Fi*

A leading manufacturer of portable chemical trucks was having downtime due to hot compressed air forming water prior to air valves. RTi recommended a 3P-020-P02-Fi for the application and eliminated the problem. The unit was installed at the air valve so air had a chance to cool.



## Contaminated Air Controls

*3P-060-F04-Fi*

A leading sorting machine manufacturer makes machines that sort fruits and vegetables based on shape and size. In this particular application the machines uses compressed air to drive paddles to separate the products.



## Vacuum Efficiency

*3C-060-M04-P*

Manufacturer of vacuum actuated needle scalers for the removal of lead-based paint relies on a venturi vacuum system. Contaminated compressed air on mobile sites was causing the vacuum to lose it efficiency and malfunction. RTi mounted a special metal bowl model directly onto the back pack and eliminated contamination before it ever entered the vacuum.



## Valve & Cylinder Failure

*3P-021-M02-DC*

A leading manufacturer of meat packaging equipment was experiencing heavy customer downtime due their hot and cold operating environments creating liquid water problems. Reading Technologies supplied model 3P-061-M02-DC for the application and eliminated valve and cylinder failure.



# Painting Applications

Spray painting requires contaminant-free air to ensure a good, consistent paint job. Reading Technologies' products can provide the clean, dry air necessary to get the best paint job possible.

## Production Spray Painting

### DRAD-25-PAM

Production spray painting application was having problems with contamination causing peeling and poor color finish reducing the quality of their finished products. Reading Technologies, Inc. DRAD system removed all contamination from the compressed airline resulting in a quality finished product free of defects. This is a desiccated unit that requires the first state prefilter to be changed every 4- 6 months, and the 2nd stage coalescer to be changed every 6-9 months.



## Automated Robotic Air Spraying Systems

### 3P-060-M04-DC

Automated spray systems with robotic arms are used for high production painting applications. For these applications where air quality to the robot is critical we recommend the Eliminator Combo. This two stage unit combines "Inverse Flow™" technology and activated carbon in the first stage with an oil coalescer in the second stage. This unit filters to 0.01 micron and will supply extremely clean air to the robot's pneumatic components. Maintain cartridge every 6-9 months.



## Dew Point Reduction

### RD 0050

This high volume shop was concerned with dew point reduction, but not an automotive grade paint finish. Reading Technologies, Inc. recommended an Eliminer Combo unit and a refrigerate dryer, model number RD-0050. This system will eliminate water vapor to a 38 degree dew point. This system produced acceptable paint jobs requiring very little out of booth work. System requires a 110 volt electric circuit for the dryer.



## Precision Custom Painting

### Eliminator II® E-4000

A low volume precision custom painter required expert automotive grade finishes. Reading Technologies, Inc recommended the Eliminator II desiccant dryer. The E4000 is excellent for the removal of water, dirt, oil and water vapor to a -40 degree dew point. This unit should be used in applications where clear coats or extreme quality is required. The desiccant cartridge should be replaced when the dew point indicator turns pink. This system is not recommended for production industrial spraying applications.



# Plasma Dryer Applications

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3P-020-M02-P

- Increase Tip Life
- Water Removal
- Dirt Removal
- Compact Design
- Cast Bracket Available

## Applications:

Water affects the tip life of plasma cutters. Eliminator® Dryer Filters remove this contamination at the cutter, increasing production and reducing down time.

## Options:

- 60 scfm available
- Differential pressure indicators available
- Automatic and manual drains available
- Mounting brackets available

## Method:

Single stage unit with patented "Inverse Flow™" and "Depth Filtration" technology. The 1st stage is composed a stainless steel and a "friction dryer" .

## Features:

- Manual drains
- Heavy duty metal bowl construction
- Modular quick disconnect mechanism for easy spin-on/spin-off elements



Optional mounting bracket: N34-95-969

# Plasma & Laser Cutting Applications



4P-061-M04-DC

- Point of Use Dryer
- Water Removal
- Oil Removal
- Oil Aerosol Removal
- Reduces Tip Failure
- Eliminates Contamination
- Eliminates Costly Downtime

## Applications:

Large Plasma & Laser Cutting Equipment require extremely clean dry compressed air for proper functioning. Water and oil must be removed to prevent malfunction.

Other Applications include: Cabinet Cooling, Coordinate Measurement Equipment, Air Bearing Equipment.

## Options:

- 60, 90, 150 SCFM available
- Automatic and manual drains available
- Differential pressure indicators available
- Mounting brackets available

## Method:

Two stage unit with patented "Inverse Flow™" and "Depth Filtration" technology. The 1st stage is composed of 4 layers of filtration material to include activated carbon for hydrocarbon removal to 0.03 ppm. The 2nd stage is a 0.01 micron "Grade 1" coalescer.

## Features:

- Auto drains
- Metal bowls
- Patented elements



Optional mounting bracket: **BK-1**

# Pneumatic Valve & Damper Actuator

*Pneumatic Valve and Damper assemblies “need” dry air. Water, Oil and Scale negatively affect the operation and performance of these critical control components.*

## Pneumatic Actuators

*3P-035-P04-Fi*

Water and scale will corrode the internals of pneumatic actuators. This lowers actuator torque outputs which can cause an automated valve not to operate when needed. Point of Application Dryer keep instrument air dry to help maintain consistent actuation of valve assemblies.



## Pneumatic Positioners & I/P's

*3P-020-M02-DCi*

Water and more importantly oil can permanently damage pneumatic positions and I/P's. Common problems are “gummed-up” controls and internal corrosion. Early problems lead to “stiction” and premature failures of expensive control components. The RTi Combo is a friend to instrument techs, service reps and production personnel who depend on accurate and consistent performance of control valves.



## Pneumatic Damper Drives

*1M-2500-MFE-P*

Solenoid Valve, especially in manifold systems are a natural draw for scale and water. The small orifice size on solenoids are subject to plugging plus water can be very corrosive to plunger and O-ring seal. RTi combo units will remove water, scale and aerosols that will prolong the life and ensure smooth performance of solenoid valve manifolds.



## Solenoid Valves

*3P-090-P04-DCi*

Solenoid Valve, especially in manifold systems are a natural draw for scale and water. The small orifice size on solenoids are subject to plugging plus water can be very corrosive to plunger and O-ring seal. RTi combo units will remove water, scale and aerosols that will prolong the life and ensure smooth performance of solenoid valve manifolds.



# Process Control Protection



3P-020-M02-P



3P-060-M04-F

- Removes Water, Dirt & Rust
- Protects Valuable Equipment
- 1 Micron Filtration
- Heavy Duty Metal Bowl Construction
- Eliminates Contamination
- Eliminates Costly Downtime

## Applications:

- Valve Actuators
- Valve Positioners
- Instrument Quality Air Applications
- Plasma Cutter Protection
- Air Tool Protection
- Hopper Control Protection
- Pneumatic Valve Control Protection

## Options:

- 20, 35, 60, 90, 150 SCFM available
- Differential pressure indicators available
- Automatic and manual drains available
- Mounting brackets available

## Method:

Single stage unit with patented "Inverse Flow™" and "Depth Filtration" technology. The 1st stage is composed a stainless steel and a "friction dryer". 1 micron and larger.

## Features:

- Auto drains
- Rugged Metal bowls
- Patented elements



Optional mounting bracket: **BK-1**



Optional mounting bracket: **N34-95-969**



# Steel Applications

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Reading Technologies products are utilized in the steel industry. Clean, dry compressed air is required for critical applications found in heavy industry.

## Coiling Control Lines

### *3P-150-M08-DC*

Reading Technologies recommends model number 3P-150-M08-DC on the coiling control lines that direct the steel into the coiling pit. Water, dirt and oil can cause the valves and cylinders in the line to seize and stop production. These coilers are essential to the rolling operations at the mills. The 1st stage element should be replaced every 6-9 months, and the 2nd stage coalescer every 12 months.



## Oven Camera Cleaning & Cooling

### *4P-150-M8-DC*

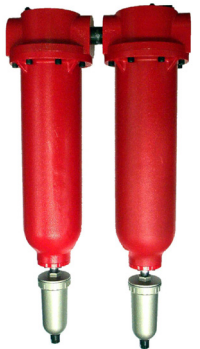
Steel slabs are processed through ovens to prepare them for rolling operations. Cameras are utilized to view these slabs as they pass through the ovens. The lenses are kept clean and cooled by plant air. The Reading Technologies units keep oil off the lens preventing clouding of the camera's view into the oven. The mill placed a 1M-1200-M24-DC Eliminex Combo unit ahead of these units to eliminate bulk oil that was present in the air lines. The elements for the 4P unit should be changed every 4-6 months and the 1M unit is changed annually.



## Portable Compressors

### *1M-700-M16-DC*

Mills often utilize portable compressors to provide air within a facility. These compressors do not have after coolers or dryers associated with them. By utilizing the 1M unit and additional lengths of industrial hoses the 1M unit can remove bulk water and oils from the compressor before it enters the plant's equipment. Be sure to install the 1M unit as far away from the compressor as possible.



## Cold Rolling Machines

### *1M-700-M16-DCi*

Cold rolling mills have 4 of these units installed on the cylinder banks that control the thickness of the steel as it is re-rolled for particular customers. These units remove all of the contamination from the air lines and keep the mill from going down due to cylinder failure. The elements should be changed every 6 months.



# Tool Saver Applications

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3P-060-M04-F

- Point of Use Application Dryer
- Protects Valuable Equipment from Rust
- Removes Water & Dirt
- Prevents Lubrication Washout
- Eliminates Contamination
- Eliminates Costly Downtime

## Applications:

Protect your air tool investments with RTi Quality Filtration. Stops water from destroying your pneumatic tools and voiding their warranties. RTi units utilize patented "Inverse Flow™" to eliminate bulk water from your compressed air lines.

Other Applications include: Valves, Cylinders, and Actuators

## Options:

- 60, 90, 150 SCFM available
- Differential pressure indicators available
- Polycarbonate bowls available
- Automatic and manual drains available
- Mounting brackets available

## Method:

Single stage unit with patented "Inverse Flow™" and "Depth Filtration" technology. The 1st stage is composed a stainless steel and a "friction dryer". 1 micron and larger.

## Features:

- Auto drains
- Rugged Metal bowls
- Patented elements that require no tools to change



Optional mounting bracket: **BK-1**

*Max pressure rating 200 psig. For 500 psig applications, consult factory.*



# Drains

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**ED-2-4**

## ED-2-4 Electronic Drain

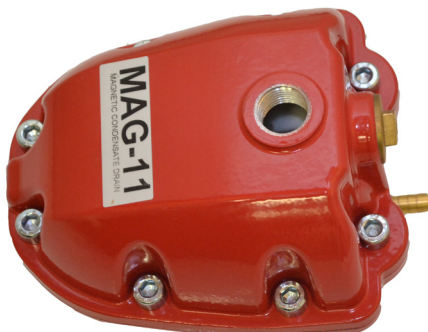
- Electronic timer drain with indicator lights
- Automatically drains water from tank
- Solid brass ball valve with stainless trainer to protect valve
- 1/4" female or 1/2" male inlet port
- 230 psi maximum pressure



**TD5**

## TD5 Tank Drain

- Tank/drip leg automatic drain
- Eliminates the daily manual draining
- 1/2" NPT inlet on top with filter screen to protect drains



**MAG11**

## MAG11 Magnetic Zero Loss Drain

- Zero air loss magnetic automatic drain
- 1/2" NPT
- No electricity required to operate drain

# Piggyback Filter & Regulators

Provides clean, regulated, dry air at a low cost for your applications.  
Perfect for small shops and “DIY-ers”

## Filter-Regulators



RT-FR250-G

RT-FR500-G

- Filter with adjustable 0-120 PSI regulator
- Filter/Regulator with glass face chrome gauge
- Low pressure drop
- Can be wall mounted or panel nut mounted
- Low cost, high efficiency design
- Semi-automatic drain with manual override
- Filters to 5 micron
- Maximum pressure is 230 PSI
- Temperature range from 40° F to 120° F

*RT-FR250-G: ¼" 30 scfm*

*RT-FR500-G: ½" 80 scfm*

## Filters



RT-F250

RT-F500

- Air Filter
- 5 micron replaceable filter element
- Low pressure drop
- Can be wall mounted through slots in body
- Lightweight, high efficiency design is durable, rugged
- Semi-automatic drain with manual override
- Maximum pressure is 230 PSI
- Temperature range from 40° F to 120° F










*RT-F250: ¼" 30 scfm*

*RT-F500: ½" 80 scfm*

*Replacement Element: F250-E/F500-E  
FR250-E/FR500-E*

# Filter/Regulator/Lubricators

These units easily provide clean, regulated air to your applications at a low cost!

	1/4"	3/8"	1/2"
FILTERS	 <p>RT-F250</p>	 <p>RT-F380</p>	 <p>RT-F500</p>
REGULATORS*	 <p>R250-G</p>	 <p>R380-G</p>	 <p>R500-G</p>
LUBRICATORS	 <p>L250</p>	 <p>L380</p>	 <p>L500</p>

### Features:

- Light-weight
- Nylon Construction
- Panel nut and gauge included with regulator
- Mounting slots through body
- Semi-auto drains on filter & filter regulators

\* To order regulators without gauge, remove "-G" from end of part number

Note: Temperature range is 41°F to 122°F for all units. Max pressure for 1/4" units is 230 psi, 3/8" & 1/2" is 180 psi. Flow capacity for 1/4" units is 30 scfm, 3/8" and 1/2" units is 80 scfm

# Filter/Regulator/Lubricators Combos




Filter	Mod Kit	Regulator	Mod Kit	Lubricator
RT-F250	MOD250	R250-G	MOD250	L250
RT-F380	MOD375	R380-G	MOD375	L380
RT-F500	MOD500	R500-G	MOD500	L500



Filter/Regulator	Mod Kit	Lubricator
RT-FR250-G	MOD250	L250
RT-FR380-G	MOD375	L380
RT-FR500-G	MOD500	L500



## Mini Regulators with Gauge

	30 PSI	60 PSI	120 PSI
1/8"	 MR030-01G	 MR060-01G	 MR0120-01G
1/4"	 MR1030-02G	 MR1060-02G	 MR1120-02G

### Gauges:

Gauge, 0-60 PSI	PG-060-1.5-CB
Gauge, 0-160 PSI	PG-160-1.5-CB

## Accessories & Replacement Parts:

	Replacement Element	Bowl Assy	Mounting Bracket <i>(optional)</i>
RT-F250	F250-E	F250-BMD	F250-BKT
RT-F380	F380-E	F380-BMD	F380-BKT
RT-F500	F500-E	F500-BMD	F500-BKT
RT-FR250	FR250-E	F250-BMD	F250-BKT
RT-FR380	FR380-E	F380-BMD	F380-BKT
RT-FR500	FR500-E	F500-BMD	F500-BKT



# Heavy Duty Regulators & Lubricators



R500HD-G



R1250HD-G

- Rugged, heavy duty high-flow design
- All metal, corrosion-resistant anodized aluminum body
- Tee handle knob, relieving type regulator
- Chemically resistant Buna N diaphragm
- Available with 1/4", 3/8", 1/2", 3/4", 1", 1 1/4", 1 1/2" NPT ports
- Gauge included with units

Part #	Flow Capacity* (scfm)	Adjusting Range Pressure (psig)	Port Size (NPT)	Maximum Supply Pressure (psig)	Maximum Operating Temp (°F)	Weight (lbs)	Dimensions (inches) Diameter x Height
R250HD-G	86	10-130	1/4"	250	175	1.2	2.25 x 5.12
R380HD-G	100	10-130	3/8"	250	175	1.2	2.25 x 5.12
R500HD-G	108	10-130	1/2"	250	175	1.2	2.25 x 5.12
R750HD-G	175	10-130	3/4"	250	175	3.2	3.75 x 6.75
R1000HD-G	300	10-130	1"	250	175	3.2	3.75 x 6.75
R1250HD-G	300	10-130	1-1/4"	250	175	3.9	4 x 6.75
R1500HD-G	300	10-130	1-1/2"	250	175	3.9	4x 6.75

\*Inlet pressure 100 PSIG (6.9 bar). Secondary pressure 80 PSIG (5.5 bar).

To order without gauge, omit '-G' from the part number



L750HDM



L1000HDM

- Rugged, heavy duty high-flow design
- All metal, corrosion-resistant anodized aluminum body
- Siphon tube filter provides clean lubricant downstream
- Quick-disconnect clamp ring for easy bowl removal
- Adjustable oil feed w/ tamper-proofing capability
- Can be filled while under pressure
- Available with 1/4", 3/8", 1/2", 3/4", 1" NPT ports

Part #	Flow Capacity* (scfm)	Maximum Supply Pressure (psig)	Port Size (NPT)	Maximum Operating Temp (°F)	Weight (lbs)	Dimensions (inches) Diameter x Height
L250HDM	40	0-250	1/4"	200	3.0	2.5 x 6.88
L380HDM	100	0-250	3/8"	200	3.0	2.5 x 6.88
L500HDM	120	0-250	1/2"	200	3.0	2.5 x 6.88
L750HDM	190	0-250	3/4"	200	3.0	3.75 x 11.25
L1000HDM	270	0-250	1"	200	3.0	3.75 x 11.25

\*Inlet pressure 100 PSIG (6.9 bar). Secondary pressure 80 PSIG (5.5 bar).

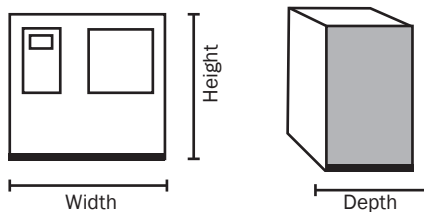
# Refrigerated Dryers



- Unique energy efficient cycling dryer reduces costs up to 80%
- Compact size for easy fit
- Automatic timer drain (w/manual override)
- Low maintenance, long life design
- On/Off switch with multi-function display

## Specifications

- 20-2000 scfm depending on model
- Port sizes 1/4" - 4"
- Maximum work 230 PSIG
- Maximum temperature 158°F
- Maintains constant 38°F dew point



Model	Air Flow (scfm)	Air Connection (NPT)	Net Weight (lb)	Height (in)	Width (in)	Depth (in)
RD 0020	20	1/2"	80	20.10	20.90	11.80
RD 0030	30	1/2"	86	20.10	20.90	11.80
RD 0050	50	1/2"	91	20.10	20.90	11.80
RD 0075	75	3/4"	143	29.50	25.60	14.60
RD 0100	100	3/4"	148	29.50	25.60	14.60
RD 0125	125	1"	176	29.50	25.60	14.60
RD 0150	150	1"	209	33.50	30.70	14.60
RD 0175	175	1"	227	33.50	30.70	14.60
RD 0200	200	1-1/2"	368	37.00	30.70	28.90
RD 0250	250	1-1/2"	368	37.00	30.70	28.90
RD 0325	325	1-1/2"	416	37.00	30.70	28.90
RD 0425	425	2"	582	43.30	34.00	40.00
RD 0520	520	2"	646	43.30	34.00	40.00
RD 0600	600	2-1/2"	833	43.30	34.00	51.90
RD 0700	700	2-1/2"	866	43.30	34.00	51.90
RD 0800	700	2-1/2"	866	43.30	34.00	51.90
RD 1000	1000	3"	1598	61.70	37.90	62.60
RD 1200	1220	4"	1907	61.70	37.90	71.30
RD 1600	1600	4"	2513	81.70	34.10	88.00
RD 2000	2000	4"	3064	81.70	34.10	88.00

Call factory for various power supply options for each model as well as information on non-cycling models