

AUTOMOTIVE REFINISHING PRODUCT LINE

Reading Technologies, Inc.



English



(800) 521-9200



www.rti-pbe.com



@RTiPBE



@rti_pbe

Why RTi?

Reading Technologies, Inc. has been at the forefront of advanced air system technology since 1986. Our innovations include compressor room desiccant and refrigerated dryers, mainline separators/coalescers, point-of-use dryers, and filter/regulator/lubricator units. Below is an explanation of how RTi uses its Inverse-Flow Technology to give you the best clean, dry air for your painting needs.

INVERSE-FLOW TECHNOLOGY

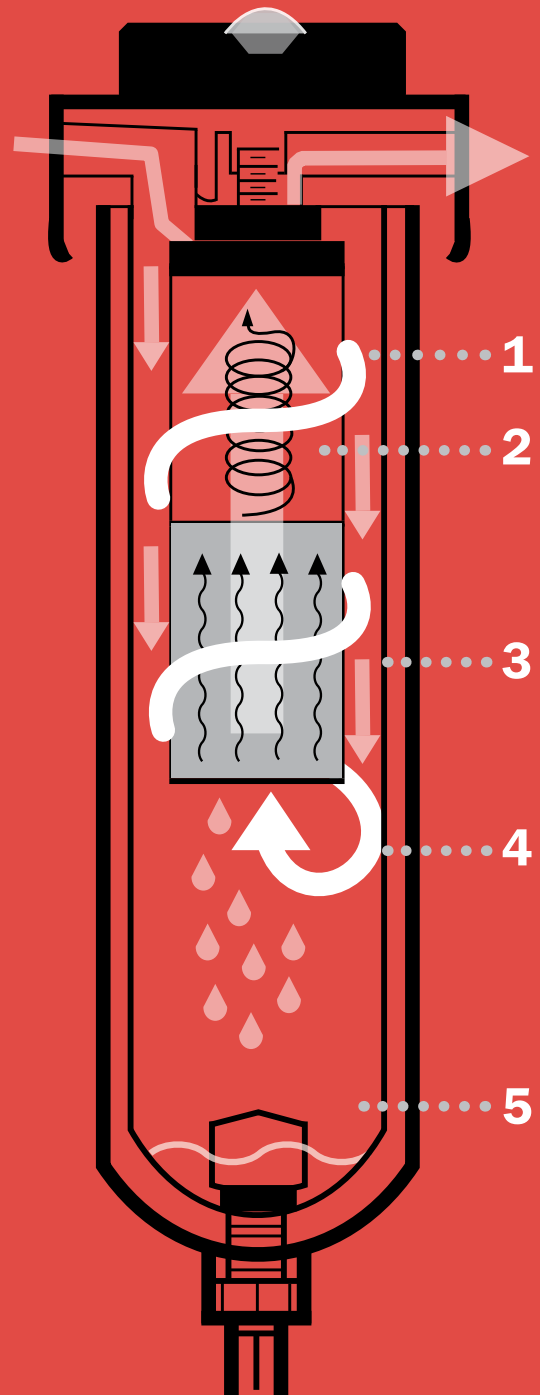
1 Centrifugal Spinning
Water, dirt, and oil contaminants are spun in a downward circular motion through the air. The spinning action forces heavy particles outward, towards the drain.

2 Final Filter Media
Our elements are composed of interwoven cotton, polyester and stainless steel. The filter captures excess sub-micron water droplets. Cotton holds the water particles and allows them to re-enter the air stream as harmless vapor. *Filtration to 1.0 micron.*

3 Stainless Steel Element
Pre-cleaned air enters a filter media composed of finely interwoven stainless steel mesh wires. The striated surface efficiently holds aerosols and liquid droplets, which then fall into the drain area. *Filtration to 3.0 micron.*

4 Inverse-Flow
RTi's Inverse-Flow process creates a condition where the air, spinning in a downward circular motion, changes direction 180° and begins to flow vertically upward. The contaminants are not capable of reversing direction and must separate from the air flow. This process prevents re-entrainment of contamination, which can occur in other filter systems.

5 Bowl and Drain Options
Bowls—metal or polycarbonate with metal guards. Drains—automatic float, manual, or electronic options.



The RTi brand prides itself on providing clean, dry air. Do you have specific requests? We build around your custom need. Call us to find out more: (800) 521-9200, or visit our website at www.rti-pbe.com.

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****Corresponding Literature Sheets listed under certain items can be found on RTi's website at www.rti-pbe.com****

Booth Products

Perfect Air Systems

These are the best systems to spray waterborne & solventborne paints flawlessly, every time.

Features

- Consistent -40° F (-40° C) dew point to the gun
- For HVLP and conventional spray guns
- No upstream dryer required
- Self regenerating desiccant dryer requires less routine maintenance
- Change desiccant every 3-5 years
- Faster cure times - increased production
- Quiet operation
- Easy wall mount design
- Non-corrosive aluminum towers
- Eliminates dieback, cloudiness in clear finish, and much more with 3% or less compressed air humidity (CAH) achieved



PERF-25 One painter desiccant dryer.

Replacement Elements:

1st stage: 3P-060
2nd stage: 3C-060
3rd stage: 3C-060

Available Kits:

PERF-25-MK (includes elements only)
PERF-25-RK (includes elements, desiccant and fittings)

Literature Sheet: A046, A047

PERF-50 Two painter desiccant dryer.

Replacement Elements:

1st stage: 3P-090
2nd stage: 3C-090
3rd stage: 3C-060

Available Kits:

PERF-50-MK (includes elements only)
PERF-50-RK (includes elements, desiccant and fittings)

Literature Sheet: A046, A048



PERF-25DDemo This demo package includes the hand truck, mounting hardware for dryer and interconnecting fittings to attach the after filter to the dryer.

Note: The Perfect Air 25 System is sold separately. Some light assembly is required. Stock of demo without the blue piping may still be shipped.

Literature Sheet: A055

Eliminator II Series

The Eliminator II Series desiccant dryers are ideally used in prep stations/paint booths.

Features

- Removes water, dirt, oil, oil vapor, and water vapor
- Provides dry, oil-free air to -40° F (-40° C) dew point
- 4000 series and higher feature 3 in 1: Activated carbon pre-filter for superior oil vapor removal (in addition to water and dirt removal) and built-in 1 micron self contained desiccant cartridge with built in final filter
- Tool-less spin on/spin off elements
- Inverse-Flow Technology
- Low pressure drop design
- Mounting bracket: PB-004



EH2500 Single-stage, stand alone desiccant dryer with brackets, sight glass, and indicator.

Replacement Element:
DE401

Literature Sheet: A121



E4000/E4000-3R

E4000: .25in (6mm) regulator/gauge assembly and differential pressure indicator

E4000-3R: .375in (10mm) regulator/gauge assembly and differential pressure indicator

Replacement Elements:
1st stage: 4P-060
2nd stage: DE401

Literature Sheet: A002, A003



EH4000/EH4000-3R

EH4000: .25in (6mm) regulator/gauge assembly

EH4000-3R: .375in (10mm) regulator/gauge assembly

Replacement Elements:
1st stage: 4P-060
2nd stage: DE401

Literature Sheet: A002, A004, A005



EH7000-3R Largest 0.01 micron coalescer on the market, featuring heavy duty design for high contaminate systems.

Replacement Elements:
1st stage: 4P-060
2nd stage: 3C-090
3rd stage: DE401

Literature Sheet: A124

Booth Products

Booth Products



STEALTH 1000B .5in (13mm) inlet, .5in (13mm) regulator, 0.01 micron filter system with gauge, perfect for RTi's Modular Blue Pipe. Includes BK-1 mounting bracket.

Replacement Element: 3C-060

Literature Sheet: A123



STEALTH 1500B .5in (13mm) inlet, .5in (13mm) regulator, multiport manifold, heavy duty gauge, and couplers. Includes mounting brackets.

Replacement Element: 3C-060

Literature Sheet: A092



STEALTH 7000B .5in (13mm) inlet filters dirt and oil at 0.01 micron with .25in (6mm) regulator and gauge. Includes BK-1 mounting bracket.

Replacement Element: 3C-060

Literature Sheet: A023, A024



High Flow Couplers and Plugs

High Flow Couplers: HFFC-1, HFMC-1

High Flow Plugs: HFFP-1, HFMP-1

Literature Sheet: A115



PH35C/PH50C High flow 35ft (10m) and 50ft (15m) conductive spraying hose that's anti-static, lightweight, and flexible (comes with High Flow Coupler and Plugs).

Literature Sheet: A079



MR-1 Mini paint gun regulator with up to 30 scfm (850 l/mn), 0-60 PSIG (0-4.08 Bar) operating range for precision adjustment, and features a .25in (6mm) inlet/outlet and chrome glass lens gauge.

Literature Sheet: A029

Twin Tower Desiccant Systems



PERF-75HD Mainline desiccant drying system that handles flow up to 30 HP compressors, delivers -40° F (-40° C) dew point air throughout shop, and comes complete with 0.01 micron pre and after filter.

Available kits:

PERF-75HD-MK (replacement elements and mufflers)

Literature Sheet: A082



PERF-180HD Mainline desiccant drying system that handles flow up to 50 HP compressors, delivers -40° F (-40° C) dew point air throughout shop, and comes complete with 0.01 micron pre and final filter.

Available kits:

PERF-180HD-MK (replacement elements and mufflers)

Literature Sheet: A108

Mainline Accessories



HD Regulators

- Metal, corrosion-resistant anodized aluminum body
- Tee handle knob
- Chemically resistant Buna N diaphragm
- .5in (13mm) (R500HD-G), .75in (19mm) (R750HD-G), 1in (25mm) (R1000HD-G), 1.25in (32mm) (R1250HD-G) NPT ports
- Gauge included with units

Literature Sheet: A077



ED-2-4 Electronic timer drain with indicator lights. Automatically drains water from tank and features a solid brass ball valve with stainless strainer to protect the valve. Manual override comes standard, fits .25in (6mm) or .5in (13mm) NPT.

Literature Sheet: A036



TD5 Tank/drip leg automatic drain eliminates the daily manual draining and features a .5in (13mm) NPT inlet on top with a filter screen to protect the drain.

Literature Sheet: A037

Mainline Products

Refrigerated Dryers

For more information on Refrigerated Dryers and a complete parts list, call us at 800-521-9200.



Part Number	Airflow (scfm / l/mn)	Pressure Drop (psi / Bar)	Power Supply (V/Ph/Hz)		Nominal Absorption Power (kW)	NPT (in. / mm)
			115/1/60	230/1/60		
RD 0025	25 (708)	0.7 (.07)	x		0.30	0.5 (13)
RD 0035	35 (991)	1.1 (.07)	x		0.36	0.5 (13)
RD 0050	50 (1416)	0.4 (.07)	x		0.42	1.0 (25)
RD 0075	75 (2124)	0.8 (.07)	x		0.68	1.0 (25)
RD 0100	100 (2832)	1.4 (.07)	x	x	0.74	1.0 (25)

***Larger sizes available. Call factory for more information.*

Refrigerated Dryer Applications

Entire shop/factory application for the elimination of water in compressed air. Must be used in applications where temperatures are above freezing.

Refrigerated Dryer Overview

RTi introduces a new line of refrigerated dryers that utilize a new Pulse Technology that offers advantages in terms of energy saving, reliability, and operating costs. This new design matches energy consumption to the work load to achieve energy savings while in operation. Two temperature sensors are placed in the refrigeration and compressed air circuits. The microprocessor then controls the dryer operation, granting the most effective method of compressed air drying. Below are just some of the other advantages of the refrigerated dryers offered:

Enhanced Energy Savings: Advanced drying capacity controlled by pulses or by thermal storage effect. Enhanced energy savings are up to 80% (compared to units using hot gas by-pass dryers).

Easy Installation/Reliable Operation: Dryers are extremely lightweight and compact, saving valuable floor space. The simple refrigeration circuit and careful selection of the materials/components assure a long, trouble-free service life.

Strong Design: Dryers are a heavy duty structure with panels that are protected by an epoxy polyester powder coating.

Literature Sheet: A028

Eliminex/Eliminex Combo Series

Eliminex Features

- Inverse-Flow design filters to 3.0 micron
- Innovative clamp ring design - No tools needed
- Automatic drains



EX104-B/EX204-B

60 scfm (1699 l/mn), .5in (13mm) NPT

Replacement Element: 1P-060

Combo Unit:

1st stage: 1P-060

2nd stage: 3C-060

Literature Sheet: A009

Eliminex Combo Features

- Stops water, dirt, and oil
- Grade 2 coalescer filters to 0.01 micron in combo units
- Differential Pressure Indicator also available



EX106/EX206

90 scfm (2549 l/mn), .75in (19mm) NPT

Replacement Element: 1P-090

Combo Unit:

1st stage: 1P-090

2nd stage: 3C-090

Literature Sheet: A009



EX108/EX208

150 scfm (4248 l/mn), 1in (25mm) NPT

Replacement Element: 1P-150

Combo Unit:

1st stage: 1P-150

2nd stage: 3C-150

Literature Sheet: A009

*Larger pipe sizes are available.
Consult factory for more information.*

Coalescers

Features

- 0.01 micron at 99.99998% oil removal efficiency
- Equipped with automatic drain
- Tool-less spin on/spin off elements

- Pre-filter for desiccant dryer, refrigerated dryer or after filter for desiccant dryers
- Differential Pressure Indicator also available



C104-B

60 scfm (1699 l/mn), .5in (13mm) NPT

Replacement Element: 3C-060

Literature Sheet: A013



C106

90 scfm (2549 l/mn), .75in (19mm) NPT

Replacement Element: 3C-090

Literature Sheet: A013



C108

150 scfm (4248 l/mn), 1in (25mm) NPT

Replacement Element: 3C-150

Literature Sheet: A013

Breathing Air Systems

Features

- Monitors Grade “D” breathable air
- Deep bed activated carbon pre-filter for hydrocarbon removal to 0.003 ppm
- 0.01 micron final filter designed for fine particulate and oil removal at 99.9998% efficiency
- Dual .5in (13mm) outlets with .25in (6mm) high flow quick disconnects
- Rated for up to 60 scfm (1699 l/mn)
- Heavy duty, high flow regulator assembled with FDA lubricant

- 0-60 PSIG (0-4.08 Bar) mini-reg. controls air pressure to monitor
- Low air sample rate through monitor
- 110 Volt AC electrical
- Assembly is supplied mounted on .75in (19mm) board
- Radio frequency cancellation feature - if the monitor senses an RF signal, it will not alarm unless the signal lasts for 10 seconds or longer



BRAD-BD1 1-2 person pre-filter combo, CO monitor, .5in (13mm) HD regulator with 0-160 PSI (0-10.89 Bar) gauge, MR-1 mini regulator.

Available Kits: BRAD-01C-MK

Literature Sheet: A086



BRAD-BD2 2-6 person pre-filter combo, CO monitor, .5in (13mm) HD regulator with 0-160 PSI (0-10.89 Bar) gauge.

Available Kits: BRAD-02C-MK

Literature Sheet: A087



BRAD-PERF Breathing air unit for Perfect Air systems. Available for PERF-25 and PERF-50 units.

Literature Sheet: A062



BRAD-4000C Complete system package with desiccant, pre-filter combo, desiccant tower, CO monitor, operator kit (BRAD-OK-M1C-35).

Literature Sheet: A119



BRAD-CM3 CO Monitor with MR-1/Tube Assembly.

Literature Sheet: A063



MA500-5 Multiple outlet manifold.

Literature Sheet: A103



BRAD-HD1 Humidifier.

Literature Sheet: A063



BRAD-VC Vortex Cooler.

Literature Sheet: A063

Breathing Air Systems Kits



BRAD-M1C

Kit includes:

- Full Face Mask

The safest NIOSH approved air supply respirator mask design. Light weight with wide field of vision and over the shoulder air breathing tube. Meets OSHA standards [29CFR 1910.134(d)(1)].



BRAD-M2C

Kit includes:

- Full Flip up Face Mask

Convenient NIOSH approved air supply respirator mask. Meets OSHA standards [29CFR 1910.134(d)(1)].

BRAD-OK-M1C-35

Operator kit includes:

- Full face mask
- 35ft (10m) non-gassing hose assembly
- Flow control valve and belt assembly

BRAD-OK-M2C-35

Operator kit includes:

- Flip-up mask
- 35ft (10m) non-gassing hose assembly
- Flow control valve and belt assembly

BRAD-OK-M1C-50

Operator kit includes:

- Full face mask
- 50ft (15m) non-gassing hose assembly
- Flow control valve and belt assembly

BRAD-OK-M2C-50

Operator kit includes:

- Flip-up mask
- 50ft (15m) non-gassing hose assembly
- Flow control valve and belt assembly



BRAD-FCV Flow control valve and belt assembly.



HVHA-B35C 35ft (10m) non-gassing hose assembly.



HVHA-B50C 50ft (15m) non-gassing hose assembly.

STEALTH Units



STEALTH 6950B .5in (13mm) inlet. Water and dirt filter system. Filters to 1 micron, comes with .25in (6mm) regulator and gauge. Also available with .375in (10mm) regulator (STEALTH 3050B). Includes BK-1 mounting bracket.

Replacement Element: 6950-1

Literature Sheet: A021, A024



STEALTH 6960B .5in (13mm) inlet. Water, dirt, and oil filter system with .25in (6mm) regulator and gauge. Also available with .375in (10mm) regulator (STEALTH 3060B). Includes BK-1 mounting bracket.

Replacement Element: 6960-1

Literature Sheet: A024, A068



Vordex V104-BR .5in (13mm) inlet. Water, dirt, and oil filter system. Filters to 1 micron with a .25in (6mm) regulator, gauge, and automatic drain. Includes BK-1 mounting bracket.

Replacement Element: 3P-060

Literature Sheet: A026



STEALTH 7000B/7800B .5in (13mm) inlet. Dirt and oil filter system. Filters to 0.01 micron and comes with .25in (6mm) regulator and gauge. Includes BK-1 mounting bracket. *STEALTH 7800B does not include regulator and gauge.*

Replacement Element: 3C-060

Literature Sheet: A023, A024



STEALTH 1000B .5in (13mm) inlet, .5in (13mm) regulator, 0.01 micron filter system with gauge, perfect for RTi's Modular Blue Pipe. Includes BK-1 mounting bracket.

Replacement Element: 3C-060

Literature Sheet: A123



STEALTH 1500B .5in (13mm) inlet, .5in (13mm) regulator, multiport manifold, heavy duty gauge, and couplers. Includes mounting brackets.

Replacement Element: 3C-060

Literature Sheet: A092

F/FR Series Filters

Features

- .25in (6mm) or .5in (13mm)
- Adjustable 0-150 PSI (0-10.21 Bar) regulator
- Low pressure drop
- Can be wall mounted or panel nut mounted
- Semi-automatic drain with manual override
- Filters to 5 micron
- Maximum pressure is 230 PSI (15.65 Bar)
- Temperature range from 40° F (4° C) to 120° F (49° C)
- 30 scfm and 80 scfm rating (850 & 2265 l/mn)
- F Replacement Elements: F250-E, F500-E
- FR Replacement Elements: FR250-E, FR500-E

Literature Sheet: A030



FR250-G/FR500-G



F250/F500

Filter Comparison



1P-060
Eliminox



3P-060
Stealth



4P-060
Eliminator



3C-060
Coalescer



DE401
Eliminator

Shown clear for demonstration only. Not shown at actual size.

Rebuild/Upgrade Kits

Rebuild/Upgrade Kits

For more on Upgrade and Rebuild kits, visit our website at www.rti-pbe.com or call 800-521-9200.



RTi-D500-RK Rebuild kit for competitor system.

Literature Sheet: A074



RTi-D500-UG2 Upgrade kit for competitor system.

Literature Sheet: A074



RTi-T10-RK Rebuild kit for competitor system.

Literature Sheet: A074



RT-676-RK Rebuild kit for competitor system.

Literature Sheet: A074



PERF-25-MK Maintenance kit includes PERF-25 elements only.

Literature Sheet: A067



PERF-25-RK Repair kit for PERF-25. Needed every 3-5 years to re-pack desiccant.

Literature Sheet: A067



PERF-50-MK Maintenance kit includes PERF-50 elements only.

Literature Sheet: A067



PERF-50-RK Repair kit for PERF-50. Needed every 3-5 years to re-pack desiccant.

Literature Sheet: A067



RTi-SAF-0, -1, -2 Change out elements for competitor units.

Literature Sheet: A122



D-05 5lbs. (2.27 Kg) loose activated alumina desiccant (Also available in 50lbs (22.7 Kg): D-50).

Literature Sheet: A074



MRAS-2XR Multi-regulator air station (w/o quick disconnects: MRAS-2XRL).

Literature Sheet: A069



E4000-RKC Conductive repair kit for E4000.

Literature Sheet: A074

Available Accessories



N32-W1-DPI
Differential pressure indicator.



RG30 .375in (10mm)
regulator and gauge assembly.



RG25 .25in (6mm)
regulator and gauge assembly.



EH-Stand Demo stand for
EH4000 models (*stand only*).



N32-95-979
Automatic float drain.



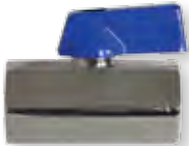
RTi-SY9540
PERF solenoid valve.



LTC-017 Shuttle valve.



RTi-SG-651 .5in (13mm)
sight glass with humidicator
paper.



BV050 .5in (13mm)
chrome ball valve.



BV-051 .5in (13mm)
heavy duty brass ball valve.



PG-160 .125in (3mm)
0-160 PSIG (0-10.89 Bar)
gauge.



PG-160-1.5CB 0-160 PSIG
(0-10.89 Bar) gauge
(for FR250-G/FR500-G).



PB-C High flow pencil
blower.



MA500-5
Multiple outlet manifold.



PH4C
Whip Hose (Transition Hose).



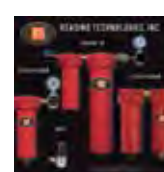
RTi-QAT Air quality test kit.



FMR-1 Display Board Includes
FR250-G, FR500-G, MR-1.



DB-1 Display Board Includes
EH4000-3R, STEALTH 6950B, MR-1.



DB-2 Display Board Includes
EH4000-3R, STEALTH 6950B/6960B,
MR-1.



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