



READING TECHNOLOGIES, INC.

AUTOMOTIVE REFINISH PRODUCT LINE



(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 patented Inverse-Flow® Technology to give you the best clean, dry air for your painting needs.

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.

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

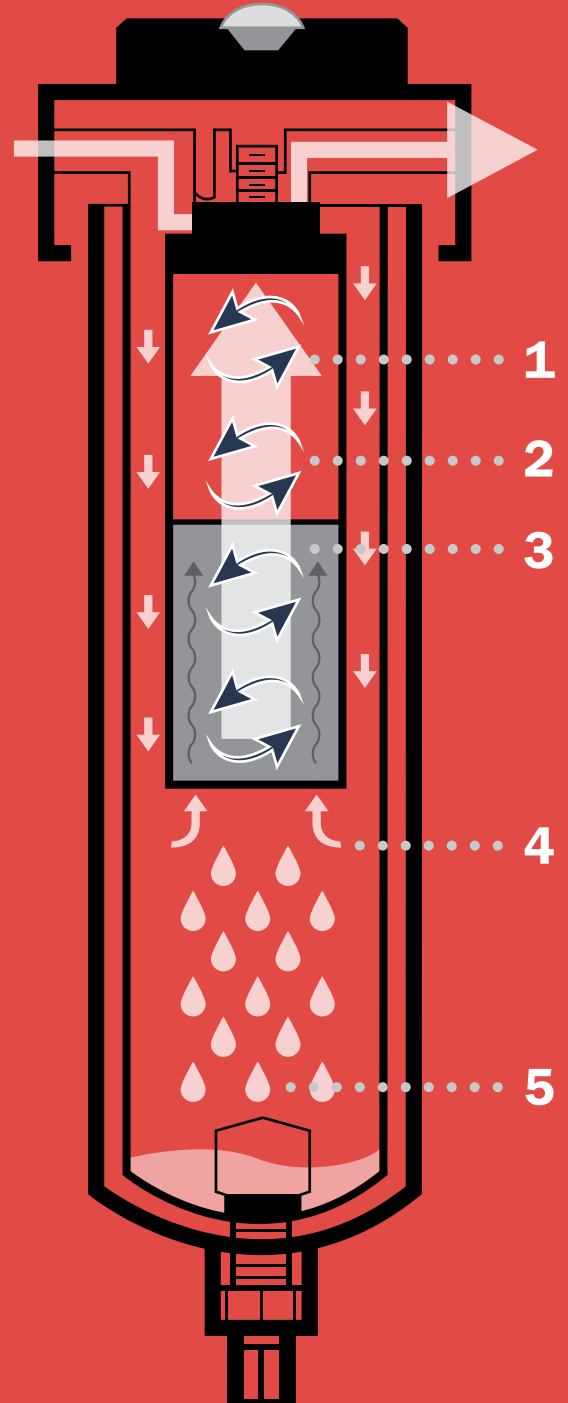
Inverse-Flow®

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.



On The Cover:

The cover image of this catalog features a custom motorcycle painted using RTi products. The motorcycle was crafted by Curly's Custom Cycles, and painted in a collaborative effort by Kyle Morley with Xecution Style and Steve Gibson with Airolandlead. The bike was featured in RTi's booth at the 2017 SEMA show.

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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

Systems to spray waterborne & solvent based paints flawlessly, every time.

Features

- Consistent -40° 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 with non-corrosive aluminum towers
- Eliminates dieback, cloudiness in clear finish, and 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 (elements only)
- PERF-25-RK (elements, desiccant, and fittings)
- PERF-25-TC (pre-packed desiccant towers and fittings)
- PERF-25-TCMK (elements, pre-packed desiccant towers, and fittings)

Literature Sheets: A042, 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 (elements only)
- PERF-50-RK (elements, desiccant, and fittings)
- PERF-50-TC (pre-packed desiccant towers and fittings)
- PERF-50-TCMK (elements, pre-packed desiccant towers, and fittings)

Literature Sheets: A042, A046, A048

Perfect Air® System Add-ons

Add-on accessories and kits to get the most out of your Perfect Air® systems.



PERF-25-MK



PERF-50-MK



PERF-25-RK



PERF-50-RK



PERF-25-TC



PERF-50-TC



PERF-25-TCMK



PERF-50-TCMK

The PERF-25DDEMO is a great way to show shops the power of the PERF unit. It is a portable demo feature that is easily moved throughout shops where paint lines are being evaluated. It's guaranteed to flow the air from where ever you're working from!



Available Kits

Maintenance and Rebuild kits that are available for the Perfect Air® units.

PERF-25:

PERF-25-MK, PERF-25-RK, PERF-25-TC, PERF-25-TCMK

PERF-50:

PERF-50-MK, PERF-50-RK, PERF-50-TC, PERF-50-TCMK

Literature Sheets: A067, A068

PERF-25DDEMO

This dolly-mounted demo unit is simple to get around, and set up is done in a matter of minutes. It includes the hand truck, mounting hardware for dryer, and fittings to attach the after filter to the dryer.

Note: The Perfect Air® 25 System is sold separately. Some light assembly is required. Demo units without the blue piping may still be shipped.

Literature Sheet: A055

Booth Products

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 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



E4000/E4000-3R

E4000: 1/4" regulator/gauge assembly and differential pressure indicator.

E4000-3R: 3/8" regulator/gauge assembly and differential pressure indicator.

Replacement Elements:

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

Literature Sheets: A002, A003



EH2500

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

Replacement Element: DE401

Literature Sheets: A002, A006



EH4000/EH4000-3R

EH4000: 1/4" regulator/gauge assembly.

EH4000-3R: 3/8" regulator/gauge assembly.

Replacement Elements:

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

Literature Sheets: A002, A004, A005



EH7000-3R

0.01 micron coalescer featuring a heavy duty design for high contaminate systems.

Replacement Elements:

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

Literature Sheets: A002, A007

Booth Products



STEALTH 1500B

1/2" inlet, 1/2" regulator, multiport manifold, heavy duty gauge, and couplers. Includes BK-1 mounting bracket and BV-051 ball valve.

Replacement Element: 3C-060

Literature Sheets: A024, A092



STEALTH 6060B

1/2" inlet dual-stage filter system with 3/8" final regulator and first stage auto drain. It uses activated carbon to remove water, dirt, oil, oil vapor and includes two BK-1 mounting brackets and BV-051 ball valve.

Replacement Elements:

1st stage: 6960-1
2nd stage: 3C-060

Literature Sheets: A019, A024



STEALTH 7000B

1/2" inlet filters dirt and oil at 0.01 micron with 1/4" regulator and gauge. Includes BK-1 mounting bracket and BV-051 ball valve.

Replacement Element: 3C-060

Literature Sheets: A023, A024

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



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 35' & 50' conductive spraying hose that's anti-static, lightweight and flexible (comes with High Flow Coupler and Plugs).

Literature Sheet: A079



PH35NC/PH50NC

High flow 35' & 50' non-conductive spraying hose that's lightweight and flexible.

Literature Sheet: A079



MR-1

Mini paint gun regulator with up to 30 SCFM, 0-60 PSIG operating range for precision adjustment, and features a 1/4" inlet/outlet and chrome glass lens gauge.

Literature Sheet: A029

Mainline Products

Twin Tower Desiccant Systems



PERF-55HD

Mainline desiccant drying system that handles flow up to 15 HP compressors, delivers -40°F dew point air throughout shop, and comes complete with 0.01 micron pre and after filter.

Available Kit: PERF-55HD-MK
(replacement elements/mufflers)

Literature Sheet: A081



PERF-75HD

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

Available Kit: PERF-75HD-MK
(replacement elements/mufflers)

Literature Sheet: A082



PERF-180HD

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

Available Kit: PERF-180HD-MK
(replacement elements/mufflers)

Literature Sheet: A083

Mainline Accessories



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 1/4" or 1/2" NPT.

Literature Sheet: A036



TD5

Tank/drip leg automatic drain eliminates the daily manual draining and features a 1/2" NPT inlet on top with a filter screen to protect the drain.

Literature Sheet: A037

HD Regulators

Features

- Metal, corrosion-resistant anodized aluminum body
- Tee handle knob
- Chemically resistant Buna N diaphragm
- See below chart for available port sizes
- Gauge included with units

Part #	Flow Capacity (SCFM)	Adjusting Range Pressure (PSIG)	Port Size (NPT)	Maximum Supply Pressure (PSIG)	Maximum Operating Temp (°F)	Weight (lb.)	Dimensions (in.) D x H
R250HD-G	86	10-130	¼"	250	175	1.2	2.25 x 5.12
R380HD-G	100	10-130	⅜"	250	175	1.2	2.25 x 5.12
R500HD-G	108	10-130	½"	250	175	1.2	2.25 x 5.12
R750HD-G	175	10-130	¾"	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	450	10-130	1¼"	250	175	3.9	4.00 x 6.75

Literature Sheet: A077



R1000HD-G

Precision Regulators



R4DG

0-100 PSI oversized gauge with glass face for quick and easy reading. Rapidly remove downstream pressure by turning adjustment knob. Unit comes with ½" NPT inlet/outlet ports. Gauge is displayed in 2 lb. increments.

Literature Sheet: A099, A108



R4DMG

0-100 PSI oversized gauge with glass face for quick, easy reading, and MA500-4 multiport manifold with quick disconnects. Rapidly remove downstream pressure by turning adjustment knob. Unit comes with two (2) ¼" NPT gauge ports, usually used for additional outlets, and ½" NPT inlet/outlet ports. Gauge is displayed in 2 lb. increments.

Literature Sheet: A101, A108

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

Mainline Products

Modular Blue Piping Parts and Accessories



Alum. Pipe/Double Bend Alum. Pipe

Part Number	Sizing	
RTi-P34-20	20 mm	¾"
RTi-P1-20	25 mm	1"
RTi-P114-20	32 mm	1¼"
RTi-P112-20	40 mm	1½"
RTi-P2-20	50 mm	2"
RTi-DB12	16 mm	½"
RTi-DB34	20 mm	¾"
RTi-DB1	25 mm	1"



Equal Tee/Reducing Tee/Female NPT Tee

Part Number	Sizing	
RTi-T12	16 mm	½"
RTi-T34	20 mm	¾"
RTi-T1	25 mm	1"
RTi-RT34-12	20 x 16 mm	¾" x ½"
RTi-RT1-12	25 x 16 mm	1" x ½"
RTi-RT1-34	25 x 20 mm	1" x ¾"
RTi-RT114-34	32 x 20 mm	1¼" x ¾"
RTi-FT34-12	20 mm x ½" NPT	¾" x ½"
RTi-FT1-12	25 mm x ½" NPT	1" x ½"



Couplers/Endcaps

Part Number	Sizing	
RTi-PC12	16 mm	½"
RTi-PC34	20 mm	¾"
RTi-PC1	25 mm	1"
RTi-PC114	32 mm	1¼"
RTi-EC12	16 mm	½"
RTi-EC34	20 mm	¾"
RTi-EC1	25 mm	1"
RTi-EC114	32 mm	1¼"



Alum. Nipple Socket (Male/Female)

Part Number	Sizing	
RTi-NSA34-12	20 mm x ½" NPT	¾" x ½"
RTi-NSA34-34	20 mm x ¾" NPT	¾" x ¾"
RTi-NSA1-1	25 mm x 1" NPT	1" x 1"
RTi-FNSA34-12	20 mm x ½" NPT	¾" x ½"
RTi-FNSA34-34	20 mm x ¾" NPT	¾" x ¾"
RTi-FNSA1-1	25 mm x 1¼" NPT	1" x 1"



45° Elbow/ 90° Elbow

Part Number	Sizing	
RTi-E45-34	20 mm	¾"
RTi-E45-1	25 mm	1"
RTi-E90-12	16 mm	½"
RTi-E90-34	20 mm	¾"
RTi-E90-1	25 mm	1"
RTi-E90-114	32 mm	1¼"



Quick Branch Droplet (Female NPT)

Part Number	Sizing	
RTi-QBT1-12	25 mm x ½" NPT	1" x ½"
RTi-QBT114-12	32 mm x ½" NPT	1¼" x ½"
RTi-QBT112-12	40 mm x ½" NPT	1½" x ½"

For complete list of pipe lengths, part numbers, or accessories, visit our website at www.rti-pbe.com or call us at 800-521-9200.

Understanding the Modular Blue Piping Part Numbering System

RTi +

P - Pipe
NS - Nipple Socket
PC - Socket Coupling
E45 - 45° Elbow
E90 - 90° Elbow
RT - Reducing Tee

+

12 - ½"
34 - ¾"
1 - 1"
114 - 1¼"
112 - 1½"

Example:

90° Elbow in ½": **RTi-E90-12**
1" Alum. Pipe (20'): **RTi-P1-20**

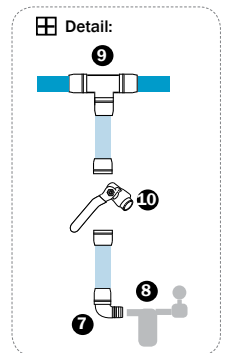
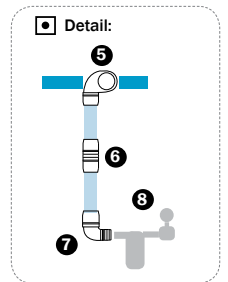
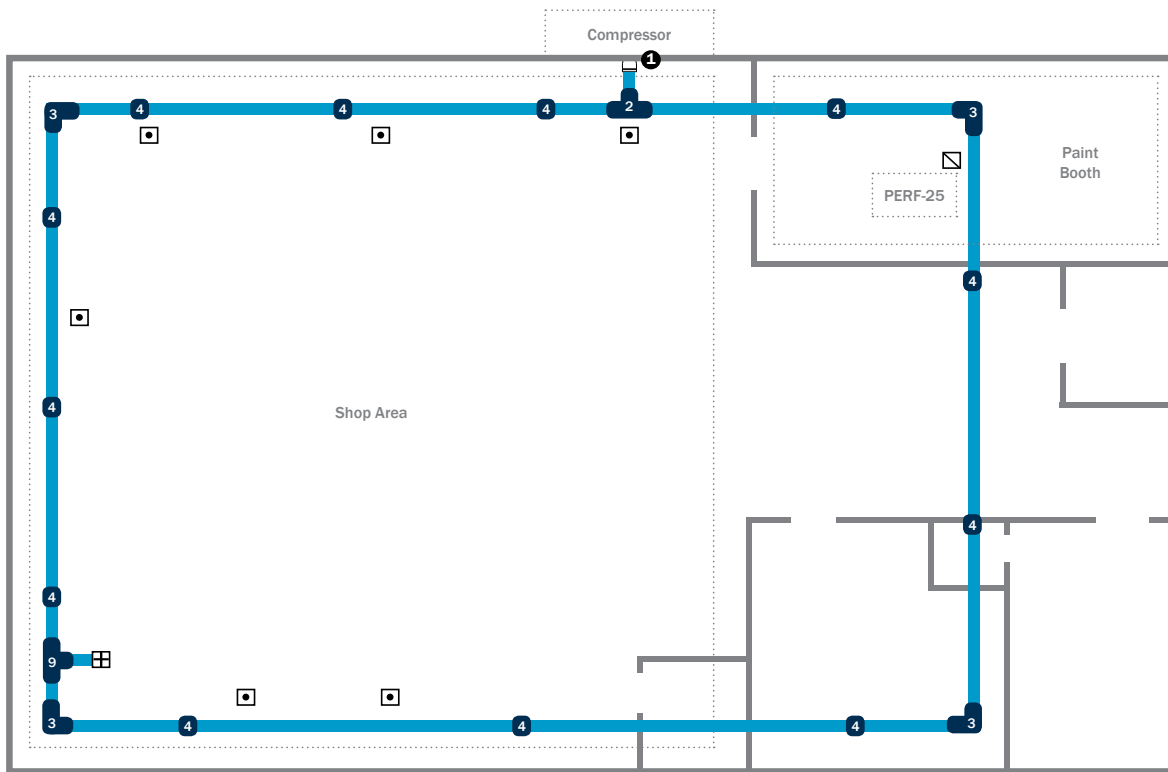
Literature Sheets: A094, A095

Modular Blue Piping

Features

- High quality, lightweight aluminum piping
- Perfect compliment to our Perfect Air® line
- Wide variety of accessories make installation a breeze
- Easy to install, easy to change, no welding or tapping

*Below is a sample layout of a shop incorporating Modular Blue Piping.
For more information, call RTi today at 800-521-9200 or visit our website at www.rti-pbe.com!*



The Case for Aluminum Piping

- Aluminum pipe systems are much easier to install and to modify than steel or copper pipe systems. Labor savings of 65% can be achieved since aluminum pipe is supplied ready for use. Preparations beyond cutting, deburring, and chamfering are not required, nor are special tools needed. Aluminum pipe is calibrated, meaning that its diameter is strictly controlled. This means that associated quick connect components will fit securely.
- Aluminum pipe is much lighter than steel or copper pipe and doesn't require threading or soldering.
- The compressed air provided by a system built with aluminum piping is much cleaner than air delivered by a steel pipe system. Aluminum pipe systems can help meet the requirements of ISO 8573-1:2010 air quality standards, should the application require it. Cleaner air also means lower maintenance costs.
- Aluminum pipe's corrosion-resistant properties mean optimal air flow, reduced energy costs, and better air quality.
- The fittings used with aluminum pipe systems fit securely and leak far less than the fittings used with threaded systems. This translates directly into energy savings and improved plant productivity.

Mainline Products

Rotary Screw Compressors



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

A great choice for almost any application. The unit has 100% duty cycle so you cannot overwork the compressor. The simple maintenance and once-a-year oil change has made this series a perfect fit for body shops and many other applications. This series is the best screw compressor assembled in the U.S.A.

Open Rotary Screw Compressor

- Operating pressures from 100-180 PSI
- Low speed rotors on air end for long life
- Less than 3 PPM oil carryover
- One solenoid valve to operate machine
- Quiet operation
- Spin on separator and oil filter

- Oil after-cooler on all models
- 8000 hour full synthetic oil standard
- 125, 150, 175 operating pressure at no extra charge
- Analog controls; no unnecessary/unreliable microprocessor
- 5 year extended warranty available for air end

Literature Sheets: Ai006, Ai007



Enclosed rotary screw compressors are the perfect compressors for the shop that wants to keep DBA's to a minimum. With the 5 HP operating at 64 DBA's and the 100 HP at 72 DBA's, they will hardly know it is running. With the same great air end as the regular rotary screw compressors, maintenance is still a simple process. Just unlatch the door and spin the new filter on. Simple is better. This series is designed for years of easy use and trouble free maintenance.

Enclosed Rotary Screw Compressor

- Available 5-300 HP
- Operating pressures from 100-180 PSI
- Low tip speeds on air end for long life
- Less than 3 PPM oil carryover
- One solenoid valve to operate machine
- Spin on separator and oil filter

- Oil after-cooler on all models
- 8000 hour full synthetic oil standard
- 125, 150, 175, 195 operating pressure at no extra charge
- Analog controls; no unnecessary/unreliable microprocessor
- 5 year extended warranty available for air end

Literature Sheets: Ai002, Ai007

Piston Compressors



The Industrial Series compressors are designed for automotive and industrial applications. The CA2 pumps are manufactured for durability and long life. The units feature some of the most heavy duty components found in piston compressors today. The units run at a low RPM to provide reliable air for your application.



5-15 HP

- Solid cast iron pump
- Disc and spring valves
- Centrifugal unloader
- Low pump RPM
- Oil sight glass
- Oil drain and fill on front of compressor pump
- Heavy duty NEMA motors
- OSHA style totally enclosed belt guard
- ASME code receivers
- Needle bearings

Literature Sheets: Ai001, Ai007

Stationary Duplex

- Heavy duty two stage solid cast iron pump
- Disk and spring valves
- Bearings on both ends of crank shaft
- Industrial grade electric motor
- ASME tested powder coated steel tank
- Two (2) groove B width motor pulley
- All UL electrical controls
- Access to compressor valves without compressor head removal
- Auto start-stop
- Fully enclosed belt guard
- Centrifugal unloader
- Heavy duty air filter

Literature Sheets: Ai005, Ai007

15-25 HP

- Operating pressures from 100-180 PSI
- Low tip speeds on air end for long life
- Less than 3 PPM oil carry over
- One solenoid valve to operate machine
- Quiet operation
- Spin on separator and oil filter
- Oil after-cooler on all models
- 8000 hour full synthetic oil standard
- 125, 150, 175, 195 operating pressure at no extra charge
- Analog controls. No unnecessary and unreliable microprocessor
- 5 year extended warranty available for air end

Literature Sheets: Ai001, Ai007

Cube-Style Compressors



Cube-style compressors are designed to be the simplest compressors to operate, service, maintain, and install. With a Cube-style compressor you no longer need to purchase an air receiver every time you need a new compressor, you simply connect the Cube-style compressor to your existing air receiver. This allows you to save on space and cost.

Reciprocating Cube-style

Rotary Screw Cube-style

Literature Sheets: Ai003, Ai004, Ai007

Mainline Products

Cycling Refrigerated Dryers



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

Part Number	Airflow (SCFM)	Pressure Drop (PSI)	Power Supply (V/Ph/Hz)		Nominal Absorption Power (kW)	NPT
			115/1/60	230/1/60		
RD 0025	25	0.70	x		0.30	1/2"
RD 0035	35	1.10	x		0.36	1/2"
RD 0050	50	0.40	x		0.42	1"
RD 0075	75	0.80	x		0.68	1"
RD 0100	100	1.40	x	x	0.74	1"

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

Literature Sheet: A028

Cycling Refrigerated Dryer Specs

- 25-100 capacity (depends on model, other sizes available)
- Port sizes from 1/2" to 1"
- Max. Temp: 158°F
- Pressure Dew Point: 38°F

Non-cycling Refrigerated Dryers



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.

Part Number	Airflow (SCFM)	Pressure Drop (PSI)	Standard Voltage	Nominal Absorption Power (kW)	NPT
RDNC 0020	20	1.31	115V / 1Ph	0.21	1/2"
RDNC 0035	35	2.03	115V / 1Ph	0.29	1/2"
RDNC 0050	50	4.64	115V / 1Ph	0.30	1/2"
RDNC 0075	75	3.48	115V / 1Ph	0.45	1"
RDNC 0100	100	2.32	115V / 1Ph	0.70	1 1/4"

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

Literature Sheet: A104

Non-cycling Refrigerated Dryer Specs

- 20-100 capacity (depends on model, other sizes available)
- Port sizes from 1/2" to 1 1/4"
- Max. Temp: 130°F
- Pressure Dew Point: 41°F

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, ½" NPT

Replacement Element: 1P-060

Replacement Elements (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, ¾" NPT

Replacement Element: 1P-090

Replacement Elements (combo unit):

1st stage: 1P-090

2nd stage: 3C-090

Literature Sheet: A009



EX108/EX208

150 SCFM, 1" NPT

Replacement Element: 1P-150

Replacement Elements (combo unit):

1st stage: 1P-150

2nd stage: 3C-150

Literature Sheet: A009

*Larger pipe sizes are available.
Consult factory for more information.
See page 25 for regulators.*

Coalescers

Features

- 0.01 micron at 99.99998% oil removal efficiency
- Automatic drains
- 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, ½" NPT

Replacement Element: 3C-060

Literature Sheet: A013



C106

90 SCFM, ¾" NPT

Replacement Element: 3C-090

Literature Sheet: A013



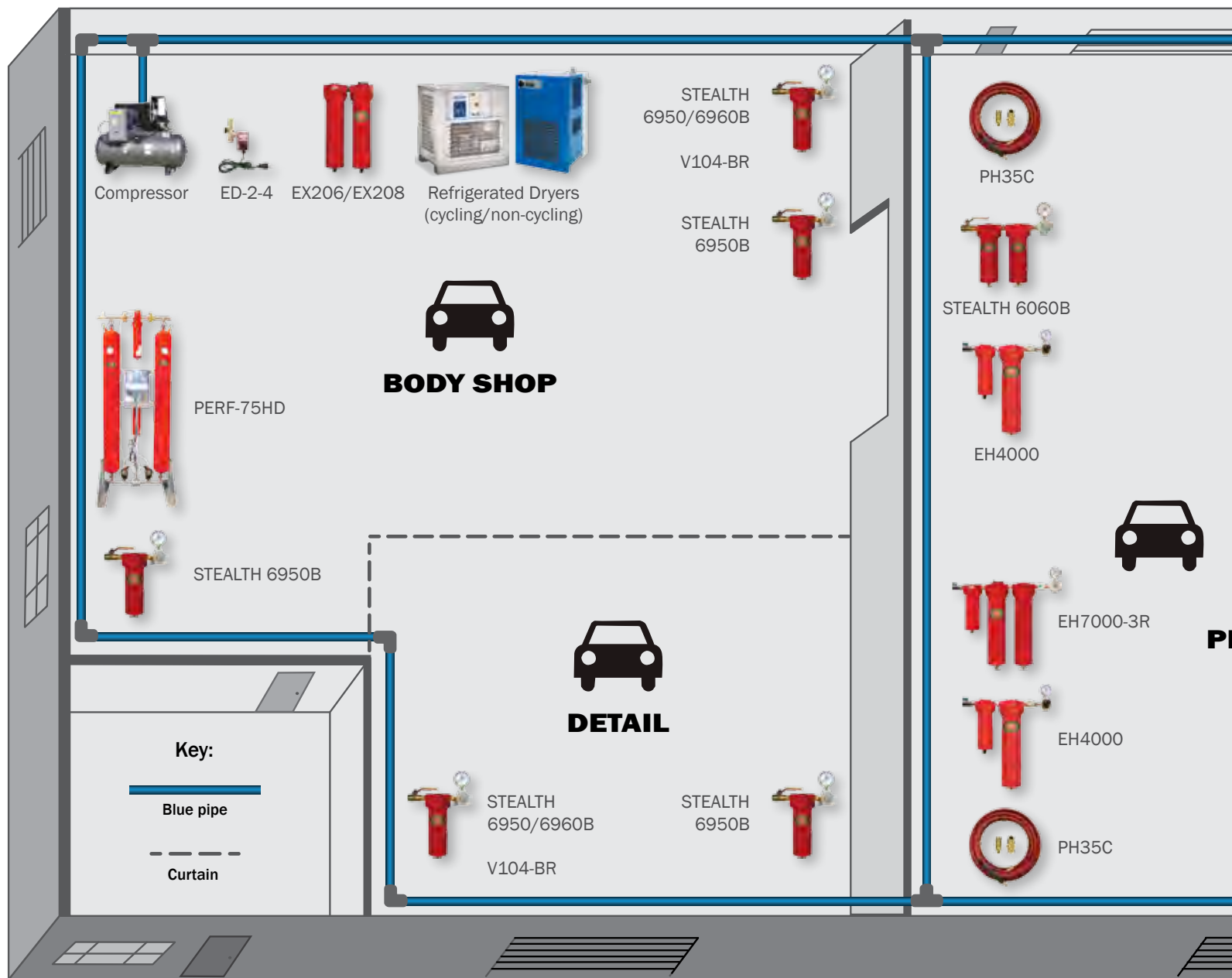
C108

150 SCFM, 1" NPT

Replacement Element: 3C-150

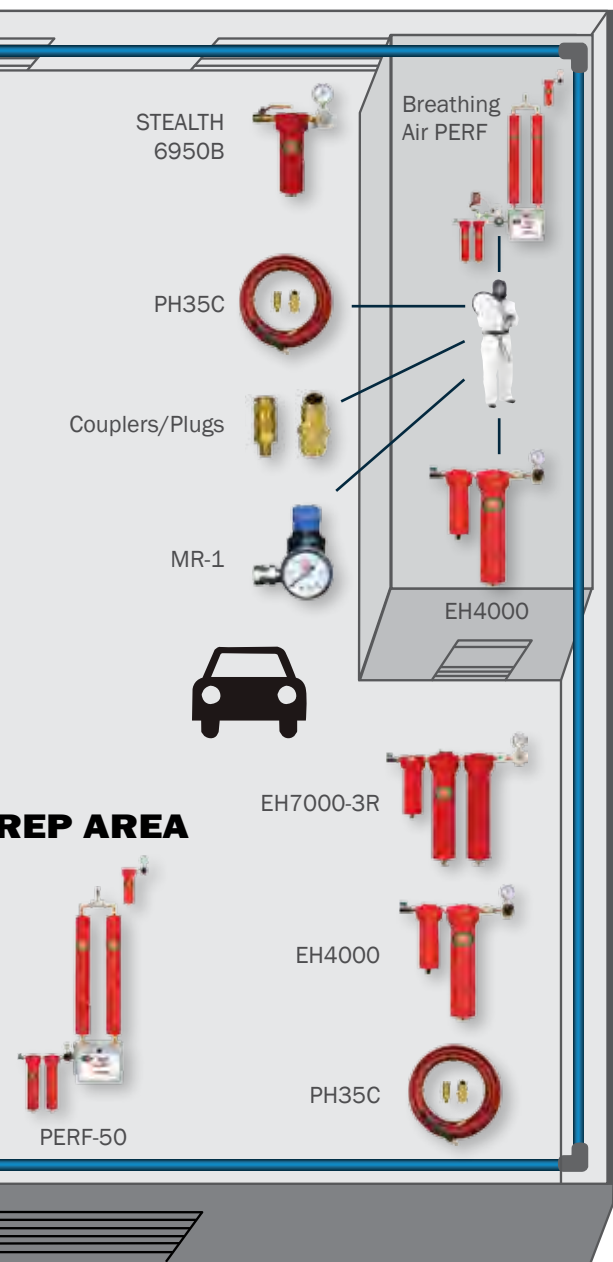
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Shop Layout



Part Number	Shop Application	Best Feature	1st Stage Element	2nd Stage Element	3rd Stage Element
EX206	Mainline	oil & water removal, 0.01 micron, ¾"	1P-090	3C-090	N/A
EX208	Mainline	oil & water removal, 0.01 micron, 1"	1P-150	3C-150	N/A
C106	Mainline	oil removal, ¾"	3C-090	N/A	N/A
C108	Mainline	oil removal, 1"	3C-150	N/A	N/A
STEALTH 6950B	General Shop	clean air w/ regulator	6950-1	N/A	N/A
STEALTH 6900B	General Shop	easy service, clean air to tools	6950-1	N/A	N/A
STEALTH 6060B	Prep Station	activated carbon filter, eliminates oil	6960-1	3C-060	N/A
STEALTH 7000B	Final Booth Filter	0.01 micron final filter	3C-060	N/A	N/A

Shop Layout



In addition to our standard units, we can customize units for your unique applications!

The layout provided is a sample layout of an autobody shop equipped with RTi products. In the charts below, there are other products listed that would be great to have in any shop.

RTi also offers Air Quality Tests (QAT) to test the quality of your shop's air. This service is available free of charge in most areas. See sheet on page 23.

Call us at 800-521-9200 or visit our website at www.rti-pbe.com for more information.

Part Number	Shop Application	Best Feature
Call for #'s	compressor	quiet running; long life
ED-2-4	compressor/line drain	electronic timer
TD5	compressor/line drain	auto/manual tank drain
RD0025-RD0100	mainline refrigerated dryer	energy saving design
MR-1	spray gun regulator	precise 0-60 PSI regulator
BRAD-PC1C	breathing air unit	breathing air filtration
HVHA-35	breathing air unit	certified air hose
PH35C	conductive hose	no static build-up, high flow fittings
PERF-75HD*	twin tower system	desiccant dryer
HFFC-1/HFMC-1	high flow couplers	universal design
HFFP-1/HFMP-1	high flow plugs	high flow meets EPA guidelines

Part Number	Shop Application	Best Feature	1st Stage Element	2nd Stage Element	3rd Stage Element
E4000	1 Gun Spray Application	manually replace desiccant w/ final filter	4P-060	DE401	N/A
EH4000-3R	1 Gun Spray Application	w/ final filter and 3/8" regulator	4P-060	DE401	N/A
EH7000-3R	1 Gun Spray Application	heavy duty design for high contaminants	4P-060	3C-090	DE401
EH2500	Booth/Prep Dryer	spin on/spin off desiccant	DE401	N/A	N/A
MD4	DIY/Low Volume Shops	1 micron, 4 layer filtration, 1/4" reg./gauge	MD4-1	N/A	N/A
PERF-25*	1 Gun Spray booth	regenerative desiccant dryer	3P-060	3C-060	3C-060
PERF-50*	2 Gun Spray booth	regenerative desiccant dryer	3P-090	3C-090	3C-060
V104-BR	Tool Saver	1 micron filter w/ auto drain & regulator	3P-060	N/A	N/A

* Available in money-saving maintenance kits!

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 ½" outlets with ¼" high flow quick disconnects
- Rated for up to 60 SCFM

- Heavy duty, high flow regulator assembled with FDA lubricant
- 0-60 PSIG mini-reg. controls air pressure to monitor
- Low air sample rate through monitor
- 110 Volt AC electrical
- 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, ½" HD regulator with 0-160 PSI gauge, MR-1 mini regulator.

Available Kit:
BRAD-01C-MK

Literature Sheets:
A063, A064, A086



BRAD-BD2

2-6 person pre-filter combo, CO monitor, ½" HD regulator with 0-160 PSI gauge.

Available Kit:
BRAD-02C-MK

Literature Sheets:
A063, A064, A087



BRAD-CM3

CO Monitor with MR-1/Tube Assembly.

Literature Sheets:
A063, A064



BRAD-HD1

Humidifier.

Literature Sheet:
A063



BRAD-VC

Vortex Cooler.

Literature Sheet:
A063



BRAD-9484

3-stage filter with ½" heavy duty regulator, multiport manifold, two HFMC-1 couplers, and two BK-1 mounting brackets.

Literature Sheets: A063, A064, A093



BRAD-4000C

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

Literature Sheets: A063, A064, A119



BRAD-PERF

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

Literature Sheets: A062, 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-M3C

Kit includes:

- Maintenance Free Tyvek® Hood Mask

BRAD-OK-M1C-35

Operator kit includes:

- Full face mask
- 35' non-gassing hose assembly
- Flow control valve, belt assembly

BRAD-OK-M1C-50

Operator kit includes:

- Full face mask
- 50' non-gassing hose assembly
- Flow control valve, belt assembly

Literature Sheet: A063, A064

BRAD-OK-M2C-35

Operator kit includes:

- Flip-up mask
- 35' non-gassing hose assembly
- Flow control valve, belt assembly

BRAD-OK-M2C-50

Operator kit includes:

- Flip-up mask
- 50' non-gassing hose assembly
- Flow control valve, belt assembly

Literature Sheet: A063, A064

BRAD-OK-M3C-35

Operator kit includes:

- Disposable hood
- 35' non-gassing hose assembly
- Flow control valve, belt assembly

BRAD-OK-M3C-50

Operator kit includes:

- Disposable hood
- 50' non-gassing hose assembly
- Flow control valve, belt assembly

Literature Sheet: A063, A064



BRAD-FCV

Flow control valve and belt assembly.

Literature Sheet: A063, A064



HVHA-B35C

35' non-gassing hose assembly.

Literature Sheet: A063, A064



HVHA-B50C

50' non-gassing hose assembly.

Literature Sheet: A063, A064

DIY Tool Savers/Spray Applications

STEALTH Units



STEALTH 1000B

1/2" inlet, 1/2" regulator, 0.01 micron filter system with gauge. Perfect for RTi's Modular Blue Pipe. Includes BK-1 mounting bracket, BV-051 ball valve.

Replacement Element: 3C-060

Literature Sheets: A024, A090



STEALTH 1500B

1/2" inlet, 1/2" regulator, multiport manifold, heavy duty gauge, and couplers. Includes BK-1 mounting bracket, BV-051 ball valve.

Replacement Element: 3C-060

Literature Sheets: A024, A092



STEALTH 7000B/7800B

1/2" inlet filters dirt and oil to 0.01 micron and comes with 1/4" regulator and gauge. Includes BK-1 mounting bracket, BV-051 ball valve.

STEALTH 7800B does not include regulator and gauge.

Replacement Element: 3C-060

Literature Sheets: A023, A024



BK-1

Mounting bracket.



STEALTH 6950B

1/2" inlet filters water and dirt to 1 micron, comes with 1/4" regulator and gauge. Includes BK-1 mounting bracket, BV-051 ball valve.

Replacement Element: 6950-1

Literature Sheets: A021, A024



STEALTH 6960B

1/2" inlet filters water, dirt, and oil with 1/4" regulator and gauge. Includes BK-1 mounting bracket, BV-051 ball valve.

Replacement Element: 6960-1

Literature Sheets: A024, A022

STEALTH Units



STEALTH 7500

¾" inlet filters water, dirt, and oil with ¾" heavy duty regulator and gauge. Includes BV-075 ball valve. *Does not come with a BK-1 mounting bracket.*

Replacement Elements:

1st stage: 3P-150, 2nd stage: 3C-150

Literature Sheets: A024, A111



Vordex V104-BR

½" inlet filters water, dirt, and oil to 1 micron with a ¼" regulator, gauge, and automatic drain. Includes BK-1 mounting bracket.

Replacement Element: 3P-060

Literature Sheet: A026



BK-1

Mounting bracket.



STEALTH 6900B

¼" inlet filters water and dirt with 1 micron final filtration. Includes BK-1 mounting bracket, BV-051 ball valve.

Replacement Element: 6950-1

Literature Sheets: A020, A024



STEALTH 3250B

½" inlet filters dirt and oil with a 0-100 PSI oversized gauge and MA500-4 multiport manifold with quick disconnects. Includes BK-1 mounting bracket, BV-061 ball valve.

Replacement Element: 3C-060

Literature Sheets: A024, A108, A128

DIY Tool Savers/Spray Applications

F/FR Series Filters

Features

- ¼" or ½"
- Adjustable 0-150 PSI 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
- Temperature range from 40°F to 120°F
- 30 SCFM and 80 SCFM rating
- F Replacement Elements: F250-E, F500-E
- FR Replacement Elements: FR250-E, FR500-E

Literature Sheet: A030



FR250-G/FR500-G



F250/F500

DIY Spray Applications

MD4

Features

- 1.0 micron, 4 layer filtration
- ½" inlet, ball valve, and manual drain
- Oil and humidity free air
- ¼" regulator with gauge
- Point-of-use installation
- Includes mounting bracket

Literature Sheet: A106



MD4

Mini Desiccant Dryer



MD4-1

Replacement Element

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

Shop Hoses and Quick Disconnects



RTi-SH-35-MM

35' shop hose. Also available in 50' (RTi-SH-50-MM).

Literature Sheet: A041



PH35NC

High flow 35' non-conductive shop hose. Also available in 50' (PH50NC).

Literature Sheet: A079



High Flow Couplers/Plugs

High Flow Couplers: HFFC-1, HFMC-1

High Flow Plugs: HFFP-1, HFMP-1

Literature Sheet: A115

Perfect Air® Maintenance/Rebuild Kits

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



PERF-25-MK

Maintenance kit includes PERF-25 elements only.

Literature Sheets:

A067, A068, A074



PERF-25-RK

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

Literature Sheets:

A067, A068, A074



PERF-25-TC

Pre-packed desiccant towers. Needed every 3-5 years.

Literature Sheet: A068



PERF-25-TCMK

Pre-packed desiccant towers, comes with replacement elements.

Literature Sheet: A068



PERF-50-MK

Maintenance kit includes PERF-50 elements only.

Literature Sheets:

A067, A068, A074



PERF-50-RK

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

Literature Sheets:

A067, A068, A074



PERF-50-TC

Pre-packed desiccant towers. Needed every 3-5 years.

Literature Sheet: A068



PERF-50-TCMK

Pre-packed desiccant towers, comes with replacement elements.

Literature Sheet: A068

Rebuild/Upgrade Kits

Rebuild/Upgrade Kits



RT-676-RK

Rebuild kit for competitor system.

Literature Sheets:
A061, A074



RT-676-UG

Upgrade kit for competitor system.

Literature Sheet: A061



RTi-D500-RK

Rebuild kit for competitor system.

Literature Sheets:
A061, A074



RTi-D500-UG

Upgrade kit for competitor system.

Literature Sheet: A061



RTi-D500-UG2

Upgrade kit for competitor system.

Literature Sheets:
A061, A074



RTi-T10-RK

Rebuild kit for competitor system.

Literature Sheets:
A061, A074



RTi-T10-UG

Upgrade kit for competitor system.

Literature Sheet: A061



NB-30

Replacement desiccant element for competitor system.

Literature Sheet: A027



D-05

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

Literature Sheet: A074



E4000-RKC

Conductive repair kit available for E4000.

Literature Sheet: A074



MRAS-2XR

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

Literature Sheet: A069



RTi-SAF-0, -1, -2

Change out elements for competitor units.

Literature Sheet: A122

Available Accessories



BK-1
Mounting bracket.



BV-050
1/2" chrome ball valve.



BV-051 / BV-075
1/2" brass ball valve,
3/4" brass ball valve.



EH-STAND-2
Demo stand for EH units.



HPG-02S
1/4" Straight-thru assembly
with gauge.



LTC-017
Shuttle valve.



MA500-4/MA500-5
1/4" and 1/2" multiple outlet
manifold.



N32-95-979
Automatic float drain.



N32-W1-DPI
Differential pressure
indicator.



PB-C
High flow pencil blower.



PG-160
1/8" 0-160 PSIG gauge.



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



PH4C/HS-04-04
1/4" x 4' whip hose,
1/2" x 4' whip hose.



RG25
1/4" regulator and gauge
assembly.



RG30
3/8" regulator and gauge
assembly.



RG40
1/2" regulator and gauge
assembly.



RTi-QAT
Air quality test kit. Repl. filter
disks: RTi-QATMD (10 pack).



RTi-SG-651
1/2" sight glass with
humidicator paper.



RTi-SY9540
PERF solenoid valve.

For more on Accessories,
visit our website at
www.rti-pbe.com under
literature sheet A074.

Filter Comparison/Tech Info

Filter Comparison



1P-060
Eliminex®



3P-060
Stealth



4P-060
Eliminator®



3C-060
Coalescer



DE401
Eliminator®

Elements are shown clear for demonstration only. Not shown at actual size.

Please contact RTi to find out who your local representative is and call for a free air audit on your compressed air lines. Use the sheet on page 27 to complete your air audit. Doing this will help you understand how to become more efficient with quicker flash times and shorter cure times.

Below is valuable information from our engineers to help you get the most out of your RTi units:

- Have you looked at regulators to save energy for you?
- Always use a coalescer or Eliminex® Combo after a compressor.
- Always install a refrigerated dryer at least 25' away from a compressor.
- Always use high flow fittings at the paint gun.
- Always use conductive (anti-static) hoses when spray finishing.
- Always use products that are easy to maintain, reduce time, and improve the quality of the paint job.
- If you see white powder in your paint job, you most likely have a problem with desiccant dust.
- If you see black pieces in the clear coat, then you most likely have a problem with rust, rubber, or carbon dust.

Air Audit Sheet

Company Name: _____ Date: _____
Address: _____ Email: _____
City, State, Zip Code: _____ Distributor: _____
Phone: _____ Contact Person: _____

Air Compressor:

Size (HP): _____
Tank (Gal): _____
Type: _____
Drained: Y N (circle one) When: _____
How often: _____

Piping, Hoses & Couplers:

Material Type: _____ Hose Size: 1/4" 15/16" 3/8"
Size: _____
No. of Drains/Drops: _____
Filtered: Y N (circle one)
System: Dead End or Loop (circle one)
ACFM Requirements: _____
ACFM: _____

Filters:

Brand you're using:

Refrigerated Dryer: Y N _____
Filter Elements: Y N _____
Desiccant Dryers: Y N _____
Gun Filters: Y N _____

Drained: Y N (circle one) How Often: _____
Date of Last Change: _____ How Often: _____
Date of Last Change: _____ How Often: _____
Date of Last Change: _____ How Often: _____

Air Tests:

Location: _____
Compressed Air Dew Point: _____
Compressed Air Humidity @ 70°F: _____
Contaminants: _____
Type: _____
Air Flow Test (Pass/Fail): _____

Location: _____
Compressed Air Dew Point: _____
Compressed Air Humidity @ 70°F: _____
Contaminants: _____
Type: _____
Air Flow Test (Pass/Fail): _____

Recommendations:

Name of Representative: _____ Date: _____

**In order to make our air audit procedures more efficient and provide more in depth results for the shops, you can download an app called "Calculator of Air" (iPhone®) or "Michell Instruments" (Android™). You need to input 2 lines. The first is temperature which will always be 70° F (paint company recommended temperature). The second is the dew point from your QAT tester. Push enter and you will see the wet bulb number. This is a more accurate reading for the compressed air humidity percentage (CAH).



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