

Breathing air systems overview

Throughout this overview, we've listed the breathing air units and accessories that are available from RTi. For more information on these, please consult the factory at 800-521-9200.

Features

- Monitors Grade "D" breathable air
- Ultra lightweight design, 1-2 operators
- 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 provided
- Rated for up to 60 SCFM
- Heavy duty, high flow regulator assembled with FDA lubricant
- 0-60 PSIG mini-regulator controls air pressure to monitor
- Low air sample rate through monitor
- 110 Volt AC electrical
- Assembly is supplied mounted on ¾" board for easy installation



BRAD-CM3 CO Monitor

- Preset at 10 ppm for CO alarm
- Has bar graph display
- Comes with calibration magnet for calibration
- 115 volts AC electric plug connection
- Low pressure alarm (can be bypassed)
- Has RF signal 10 second delay to eliminate false alarms

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Breathing air systems



BRAD-BD1

1-2 person pre-filter combo, CO monitor, ½" HD regulator with 0-160 PSI gauge, MR-1 mini regulator.

Replacement Element Kit: BRAD-01C-MK
(see accessories page)

Replacement Elements:
1st stage: 4P-060
2nd Stage: 3C-061

(also available on a stand: BRAD-BD1-PRO. See accessories.)



BRAD-BD2

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

Replacement Element Kit: BRAD-02C-MK
(see accessories page)

Replacement Elements:
1st stage: DE362C
2nd Stage: 3C-151



BRAD-4000C

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

Replacement Elements:
1st stage: 4P-060
2nd Stage: 3C-061
3rd Stage: DE401



BRAD-9484

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

Replacement Elements:
1st: 4P-060; 2nd: 3C-060; 3rd: 3C-061

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BRAD-PERF systems

Features & Benefits

- Consistent less than -40°F dew point to the gun
- Delivers perfectly clean, dry air for flawless finishes every time
- Has the most activated carbon of any competitive breathing/paint air system on the market
- Engineered for use with all paint spray guns (not included), especially HVLP guns
- Supplies Grade D Breathing Air
- BRAD-PERF-25C for single gun spraying;
BRAD-PERF-50C for two gun spraying booths
- Regenerative desiccant beads require little maintenance
- Monitor design is directly inline with the air flow ensuring consistent, safe monitoring
- Self calibrating monitor w/audible alarm
- Monitor displays actual CO levels & alarms at 10ppm of CO



See next page for available operator's kits

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Operator kits



BRAD-M1C

- Kit includes:
- Full Face Mask

The safest NIOSH approved air supply respirator mask design. Light weight with wide field of vision. 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 and belt assembly

BRAD-OK-M2C-35

- Operator kit includes:
- Flip-up mask
 - 35' non-gassing hose assembly
 - Flow control valve and belt assembly

BRAD-OK-M3C-35

- Operator kit includes:
- Disposable hood
 - 35' non-gassing hose assembly
 - Flow control valve and belt assembly

BRAD-OK-M1C-50

- Operator kit includes:
- Full face mask
 - 50' non-gassing hose assembly
 - Flow control valve and belt assembly

BRAD-OK-M2C-50

- Operator kit includes:
- Flip-up mask
 - 50' non-gassing hose assembly
 - Flow control valve and belt assembly

BRAD-OK-M3C-50

- Operator kit includes:
- Disposable hood
 - 50' non-gassing hose assembly
 - Flow control valve and belt assembly



Flow control valve and belt assembly



35' non-gassing hose assembly



50' non-gassing hose assembly

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BRAD Accessories

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BRAD replacement parts & accessories

		<p>BRAD-CM3 CO monitor in BRAD systems</p> 		
<p>BRAD-M1C Full Face Mask Assembly with Flow Control Valve</p> 		<p>BRAD-M2C Flip Up Mask Assembly with Flow Control Valve</p> 	<p>BRAD-M3C Disposable Hood Assembly with Flow Control Valve</p> 	
<p>BRAD-M1-LC Peel Off Lens (25)</p> 		<p>BRAD-M2-LC Peel Off Lens (10)</p> 	<p>BRAD-M3-LC Peel Off Lens (10)</p> 	
<p>HVHA-B35C 35' Breathing Hose</p> 		<p>HVHA-B50C 50' Breathing Hose</p> 	<p>BRAD-M3-RH Replacement Hood</p> 	
<p>BRAD-HD1 Humidifier</p> 		<p>BRAD-VC Vortex Cooler</p> 	<p>MR1060-020 Mini Regulator</p> 	
<p>R500HD ½" HD Regulator</p> 		<p>PG-160 0-160 psig Gauge</p> 	<p>PG-060-15C 0-60 psig Gauge</p> 	
<p>BRAD-01C-MK 1 Year Element Kits</p> <p><i>Includes:</i> (2) 3C-061 (4) 4P-060</p>		<p>BRAD-02C-MK 1 Year Element Kits</p> <p><i>Includes:</i> (2) 3C-151 (2) DE362C</p>	 <p>BRAD-BD1-PRO Portable BRAD-BD1 unit</p>	
<p>BRAD-CM3-GAS* Calibration Gases</p>	<p>BRAD-CM3-CCA* Connector/Regulator Assy for Calibration</p>			

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BRAD Comparisons

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BRAD system comparison

		vs.	Competitors
✓	No tools needed to service elements	X	Tools needed: lengthy process and time
✓	Two elements to change	X	More than two elements to change (3-4)
✓	Magnetic calibration of monitor	X	No
✓	More compact filter design	X	Less compact filter design
✓	Ease of installation	X	Much harder to install
✓	Heavy duty metal auto drain assembly in first stage filter to drain condensate	X	Constant bleed off (air wasted) or manual drain
✓	CO monitor has RF signal cancellation feature		No Data
✓	CO monitor has low pressure monitor		No Data

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