



Replacement Parts

| Description | Part Number |
|---------------|-----------------------|
| CABREG1 | Regulator 15 CFM |
| CABREG2 | Regulator 30 CFM |
| CABREG3 | Regulator 50 CFM |
| CABREG4 | Regulator 100 CFM |
| CABREG5 | Independent Regulator |
| 41PRV | Relief Valve 125 psi |

| Description | Part Number |
|---------------|---------------------------------|
| CABQDHA | Outlet Fitting Hansen |
| CABQDSC | Outlet Fitting Schrader |
| CABQDSN | Outlet Fitting Snap-Tite |
| CABQDCE | Outlet Fitting Cejn |
| CABQDSS | Outlet Fitting Hansen Stainless |

One Year Limited Warranty

Bullard warrants to the original purchaser that the Remote Air Manifold will be free of defects in material and workmanship under normal use and service for a period of one (1) year from the date of purchase. Bullard's obligation under this warranty is limited to repairing or replacing, at its option, articles that are returned within the warranty period and that are, after examination, shown to Bullard's satisfaction to be defective, subject to the following limitations.

- Remote Air Manifold must be returned to the Bullard factory with shipping charges prepaid.
- Remote Air Manifold must not be altered from its original factory configuration.
- Remote Air Manifold must not have been misused, subjected to negligent use or damaged in transport
- The date of purchase is within the one year warranty period. (A copy of the purchaser's original invoice showing the date of purchase is required to validate warranty coverage)

In no event shall Bullard be responsible for damages for loss of use or other indirect, incidental, consequential or special costs, expenses or damages incurred by the purchaser, notwithstanding that Bullard has been advised of the possibility of such damages.

ANY IMPLIED WARRANTIES, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED IN DURATION TO ONE (1) YEAR FROM THE DATE OF PURCHASE OF THIS PRODUCT.

Some states do not allow the exclusion or limitation of incidental or consequential damages, or allow limitations on how long an implied warranty lasts, so the above limitations or exclusion may not apply to you. This warranty gives you specific legal rights, and you may have other rights which vary from state to state.

Return Authorization

The following steps must be completed before Bullard will accept any returned goods. Please read carefully.

Follow the steps outlined below to return goods to Bullard for repair or replacement under warranty or for paid repairs:

- Contact Bullard Customer Service by telephone or in writing at:

Bullard
 1898 Safety Way
 Cynthia, KY 41031-9303
 Toll-Free: 877-BULLARD (285-5273)
 Phone: 859-234-6611

- In your correspondence or conversation with Customer Service, describe the problem as completely as possible. For your convenience, the representative will try to help you correct the problem over the phone.
- Verify with your representative that the product should be returned to Bullard. Customer Service will provide you with written permission and a return authorization number as well as the labels you will need to return the product.
- Before returning the product, decontaminate and clean it to remove any hazardous materials which may have settled on the product during use. Laws and/or regulations prohibit the shipment of hazardous or contaminated materials. Products suspected to be contaminated will be professionally discarded at the customer's expense.
- Ship returned products, including those under warranty, with all transportation charges prepaid. Bullard cannot accept returned goods on a freight collect basis.
- Returned products will be inspected upon return to the Bullard facility. Bullard Customer Service will telephone you with a quote for required repair work which is not covered by warranty. If the cost of repairs exceeds stated quote by more than 20%, your coordinator will call you for authorization to complete repairs. After repairs are completed and the goods have been returned to you, Bullard will invoice you for actual work performed.

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ISO 9001
 certified
 6081257976B (1111)

▲WARNING

The RAM series remote air manifold boxes are designed to meet NIOSH requirements for a point of attachment when the work area is located away from the filtration source or main air supply. The RAM must be supplied with Grade D air at the required pressure (psi) and volume (cfm) as recommended by the respirator manufacturer. See Table 1 below.



Point of Attachment

(POA) Point of Attachment: A pressure gauge, regulator, relief valve and congruous fitting are necessary to be considered a POA.

Reference: 42CFR Part 84 Subpart J .149.

Download a complete copy at www.cdc.gov/niosh/pt84abs2.html

Regulator allows adjustment of air pressure to manufacturer's specified pressure range based on range of hose length used (see 84.149 (b)).

Pressure gauge allows verification of this pressure setting at the point of attachment (see 84.149 (b)).

Pressure relief valve prevents pressure from exceeding 125 psi (see 84.149 (d) (1)).

Congruous fitting allows connection of "Detachable couplings" as part of NIOSH approved respirator system (see 84.131 (5)).

Specifications (Table 1)

| | RAM1 | RAM2 RAM21R | RAM4 RAM41R | RAM8 RAM81R |
|--------------------------------|----------------------------------|----------------------|----------------------|----------------------|
| Size (W x H x D) | 19" x 13" x 7" | 19" x 13" x 7" | 24" x 18" x 9" | 27" x 20" x 10" |
| Outlets | 1 | 2 | 4 | 8 |
| Nominal Air Flow (cfm) | 15 | 30 | 50 | 100 |
| Maximum Inlet Pressure | 150 psi (10.3 bar) | | | |
| Maximum Outlet Pressure | 125 psi (8.6 bar) | 125 psi (8.6 bar) | 125 psi (8.6 bar) | 125 psi (8.6 bar) |
| Regulator | Adjustable 0-160 psi (11.03 bar) | | | |

Operating Instructions

- 1) Attach incoming air line to the 1/2" (13 mm) inlet fitting source. Air supplied to the remote air manifold must be Grade D.
- 2) Attach respirator air supply hose to the quick disconnect fittings on the RAM unit.
- 3) Adjust the outlet pressure to the setting recommended by the respirator manufacturer. Turn the pressure regulator knob clockwise to increase pressure or counterclockwise to decrease pressure.

Shutdown

- Make sure all personnel have left the work area
- Shut off the incoming air to the remote air manifold
- Release air pressure by pulling the relief valve ring out
- Disconnect the airline hoses
- Install dust caps to prevent entry of debris into the outlet fittings