



## Breathing Air Systems Point of Attachment Box, Four Outlet, 80 CFM Bid Specifications

Product Characteristics	
Description	The point of attachment box for the Breathing Air Distribution System (BRADS) permits up to four NIOSH-approved airline respirators to be connected to a single source of breathing air. The point of attachment box is designed for use in a portable or stationary position. Exterior clear gauge viewing window enabling gauge monitoring while case is closed.
Component Parts	Particulate / Bulk Liquid Separation Filter Element <ul style="list-style-type: none"> <li>• Manual Drain</li> <li>• Filter Change Indicator</li> <li>• Removes 95% bulk particulate and liquid @ 5 microns</li> </ul>
Regulator	Pressure regulator can be adjusted until the desired pressure for the respirator is reached with 0-125 psi limitations. Regulator: 150 PSI Inlet, 1/2" NPT with 1/2" industrial interchange plug with cover, adjustable 0-125 PSI outlet, self relieving, port for gauge.
Outlet Manifold	Aluminum anodized, 1/2" NPT female inlet with 1/2" industrial interchange plug with cover, 1/4 NPT female port for gauge, four female outlet ports for 1/4 NPT connections.
Pressure Gauge	Pressure gauge operates in 0-125 psi range
Relief Valve	ASME certified set at 125 PSI, 1/8 In. NPT, manual pull ring, brass body.
Outlet Fittings	There are four outlet fittings with union adapters, (male 3/4 inch -16 UNF going into a 1/4" NPT female manifold thread), to connect directly to NIOSH-approved breathing hose or quick-disconnects and hose. The union adapters can be removed and replaced with any suitable fitting with a 1/4" NPT male thread. The outlet manifold has four 1/4" NPT outlets. However, the union adapter is necessary to make connection to breathing hose.
Sockets	Units can be ordered with aluminum Snap-Tite quick-disconnect sockets, steel Foster quick-disconnect sockets, and brass Hansen quick-disconnect sockets. (See parts list).

Specifications	
Maximum Air Flow	80 SCFM at 110psi
Maximum Inlet Pressure	150psi
Maximum Outlet Pressure	125psi

Physical Characteristics	
Weight	18 pounds packaged.
Packaging	Carton must be single wall C flute corrugated, with an ECT value of 32 or greater mark part number on package.
Cushioning	"Sealed Foam" as required to protect product.
Carrying Case	Protective carrying case is constructed of durable corrosion resistant materials with pressure equalization valve so the case can be opened after exposure to a change of atmospheric conditions. Pelican case is green (Pantone 355C), poly blend plastic, pressure equalization valve, serial number label for unit warranty, with window to read pressure gauge labels identifying user items.
Operation Label	Located inside the cover.
Serial Number Label	Located inside the cover.
Instruction Manual	Located inside the case. Manual instructions in English, French and Spanish.

Breathing Air Systems Point of Attachment Box, Four Outlet, 80 CFM Description (see diagram below)

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|--|----------------------------|
| 1. Pressure Regulator  | 7. Filter Change Kit *     |
| 2. Pressure Gauge  | 8. Filter Change Indicator |
| 3. 125 psi Pressure Relief Valve   | 9. O-Ring                  |
| 4. Outlet Connections:   | 10. Element                |
| Union Adapter  | 11. Auto Drain             |
| Snap-Tite Socket   | 12. Plastic Filter Bowl    |
| Foster Steel Socket  | 13. Metal Bowl Guard       |
| Hansen Brass Socket  |                            |
| 5. Filter Assembly   |                            |
| 6. Inlet, 1/2" NPT Female Inlet with 1/2" Industrial Interchange Plug with Cover |                            |

\* Included In Whip Assembly: Hose, Bleeder Valve, Check Valve, 90 Degree Elbow, CGA 347 Hand Connection Nut & Nipple.

