



# Spectrum Pressure Demand Respirator (SPEC PD) Bid Specifications

<b>Respirator Type</b>	Pressure demand airline respirator
<b>Components</b>	<ul style="list-style-type: none"><li>• Full Facepiece</li><li>• Second Stage Regulator Assembly</li><li>• Harness Assembly</li><li>• Air Supply Hose</li></ul>
<b>Approvals</b>	<ul style="list-style-type: none"><li>• Code of Federal Regulations (42 CFR 84) Type C, Pressure Demand Class</li><li>• ANSI Z87.1-2003; impact, penetration and optical requirements for the lens</li></ul>
<b>Facepiece</b>	<ul style="list-style-type: none"><li>• Available in two sizes</li><li>• Include translucent silicone rubber nose cup</li><li>• Replaceable polycarbonate, hard coated lens</li><li>• Optically corrected for prism imbalance and power</li><li>• Single, centered speaking diaphragm</li><li>• Accept a front-mounted quick disconnect pressure demand regulator</li><li>• Equipped with a spring-loaded exhalation valve that maintains positive pressure from 0.9-1.4 inches water in the facepiece.</li><li>• Easily adjusted head harness constructed of neoprene with a five-strap attachment.</li><li>• Head harness includes five quick release nylon buckles.</li><li>• Double flange</li><li>• No special tools need for assembly and maintenance</li><li>• Single platform design</li></ul>
<b>Second Stage Regulator</b>	<ul style="list-style-type: none"><li>• Maintain a positive pressure in the facepiece</li><li>• Provide a flow of 300 liters per minute on demand</li><li>• Equipped with tow release buttons on opposite sides for detachment</li><li>• First-breath activated</li><li>• Includes a manual override button on the regulator to override the first breath feature if needed</li><li>• Airflow shutoff button on the side of the regulator for use during donning and doffing procedures</li></ul>
<b>Harness</b>	<ul style="list-style-type: none"><li>• Made of 2" wide flame retardant nylon webbing</li><li>• Nomex covered, foam shoulder comfort pad</li><li>• Velcro loops to hold the regulator hose in place during use</li><li>• Quick release, corrosion resistant plastic buckles</li></ul>
<b>Airline Supply Hose</b>	<ul style="list-style-type: none"><li>• Made of neoprene reinforced rubber 3/8" or 1/2" I.D. hose</li><li>• Manufactured specifically to carry breathing air</li><li>• Offers 8, 1/4" approved quick disconnect couplers compatible with breathing tube fittings</li><li>• Approved for use with 300 foot of hose</li></ul>
<b>Optional Voice Amplifier</b>	<ul style="list-style-type: none"><li>• Threads onto facepiece after speaking diaphragm is removed</li><li>• Operates on one 9-volt battery</li><li>• Is intrinsically safe</li></ul>
<b>Warranty</b>	<ul style="list-style-type: none"><li>• 6 year limited manufacturer warranty on first and second stage regulator assemblies and breathing air cylinders. All other parts have a 1 year limited manufacturer warranty.</li></ul>

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