

# DATA SHEET

## Tyvek Suit

### Protective suit for SE400



Updated: 01 Feb 2005

<p><b>Description:</b></p>	<p>Protective dust suit, specially made for use with SE400 positive pressure demand respirator. Disposable, single-use only. The SE400 can be fitted with an optional pressurisation hose which maintains a slight positive pressure inside the suit.</p>
<p><b>Product name:</b></p>	<p>S.E.A. Tyvek® protective suit</p>
<p><b>Use:</b></p>	<p>Used to protect the entire body while wearing the SE400 respirator. Protects against particles, sprays and splashes. Suitable for dusty, dirty work.</p>
<p><b>Material:</b></p>	<p>Tyvek® material (very fine high-density polyethylene [spunbonded Olefin] fibre).</p> <ul style="list-style-type: none"> <li>• Light-weight</li> <li>• Low-lint</li> <li>• Anti-static. When earthed, electrostatic build-up is prevented</li> <li>• Tear and abrasion resistant</li> <li>• Outstanding holdout resistance to fine particles and fibres</li> <li>• Resists liquid splashes up to a pressure of 0.13 bar (130 cm water column)</li> <li>• Ultra-smooth surface that that repels inorganic liquids and minimises solid particles adhering to the surface of the suit</li> <li>• Non-woven fabric</li> <li>• Permeable to both air and water vapour, allowing the fabric to 'breathe'</li> <li>• Light, soft, flexible feel</li> </ul>
<p><b>Suit construction :</b></p>	<p><b>Visor seal:</b> Fits tightly around the rim of the full face mask.</p> <p><b>SE400 hose:</b> A hose sleeve fits around the entire length of the hose.</p> <p><b>SE400 filters:</b> Sealed off from the interior of the suit by two threaded sealing rings.</p> <p><b>SE400:</b> The SE400 fan unit is worn on a balanced, convenient back-pack inside the suit.</p>

## How pressurisation works:



Fitted with a special breathing hose featuring a bleed valve, the fan unit of the SE400 inflates the suit with clean air and maintains a positive pressure inside the suit.

The wearer always has priority over pressurisation. When you are not breathing in air, the suit is inflated.

This not only contributes to the perceived cooling and ventilation of the suit, but also keeps inward leakage down to 0.1% typically.



Bleed valve on the breathing hose

