


# Schedule of Accreditation

issued by

## United Kingdom Accreditation Service

2 Pine Trees, Chertsey Lane, Staines-upon-Thames, TW18 3HR, UK

 <p><b>8856</b> Accredited to ISO/IEC 17025:2017</p>	<h3>Breathe Safety Limited</h3> <p>Issue No: 018   Issue date: 16 August 2024</p>	
	<p>Unit 21 Aviation Business Park (East) North East Sector Christchurch Dorset BH23 6NE</p>	<p>Contact: Mr Max Diffey Tel: +44 (0) 330 828 0891 E-Mail: <a href="mailto:Laboratory@breathesafety.com">Laboratory@breathesafety.com</a> Website: <a href="http://www.breathelaboratory.com">www.breathelaboratory.com</a></p>
<p><b>Testing performed at the above address only</b></p>		

### DETAIL OF ACCREDITATION

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
RESPIRATORY PROTECTIVE EQUIPMENT	<p><b><u>Full Face Masks</u></b></p> <p>Conditioning Visual Inspection Resistance to temperature Flammability Cleaning and disinfection Head Harness Connector Speech diaphragm Eyepieces/Visor Inhalation &amp; Exhalation valves Leaktightness Carbon Dioxide content of inhaled air Breathing resistance Inward leakage Field of vision Practical Performance</p>	<p><b>EN 136:1998</b></p> <p>Clause 8.2 Clause 8.3 Clause 8.4 Clause 8.5 Clause 8.7 Clause 8.8 Clause 8.9 Clause 8.10 Clause 8.11 Clause 8.12 Clause 8.13 Clause 8.14  Clause 8.15 Clause 8.16 Clause 8.17 Clause 8.18</p>



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RESPIRATORY PROTECTIVE EQUIPMENT	<p><b><u>Self-contained open-circuit compressed air breathing apparatus with full face mask</u></b></p> <p>Pre Conditioning            Visual Inspection            Tests at Low temperature            Tests at High Temperature            Flame Engulfment            Flammability            Practical Performance test – Low Temperature            Pressure Reducer            Warning Device            Leak tightness            Water Immersion            Strength of connections            Resistance to collapse of breathing Hose            Practical Performance            Breathing Resistance</p>	<p><b>EN 137:2006</b></p> <p>Clause 6.24, EN 13274-5:2001            Clause 7.3            Clause 7.4.1.1, EN 13274-3:2001            Clause 7.4.1.2, EN 13274-3:2001            Clause 7.4.1.3            Clause 7.4.1.4, EN 13274-4:2020            Clause 7.4.2, EN 13274-2:2001</p> <p>Clause 7.5            Clause 7.6            Clause 7.7            Clause 7.8            Clause 7.9            Clause 7.10</p> <p>Clause 7.11, &amp; EN13274-2:2019            Clause 7.12, &amp; EN13274-3:2001</p>
RESPIRATORY PROTECTIVE EQUIPMENT	<p><b><u>Half masks and quarter masks</u></b></p> <p>Conditioning            Visual Inspection            Resistance to temperature            Flammability            Cleaning and Disinfection            Head Harness (pull test)            Connector            Exhalation valve (flow test)            Exhalation valve housing (pull test)            Carbon dioxide content of inhalation air            Breathing Resistance            Inward leakage            Practical Performance</p>	<p><b>EN 140:1999</b></p> <p>Clause 7.2            Clause 7.3            Clause 7.4            Clause 7.5            Clause 7.6            Clause 7.7            Clause 7.8            Clause 7.9            Clause 7.10            Clause 7.11</p> <p>Clause 7.12            Clause 7.13            Clause 7.14</p>



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RESPIRATORY PROTECTIVE EQUIPMENT	<p><b><u>Particle Filters</u></b></p> <p>Inspection Conditioning (temperature) Conditioning (Mechanical strength) Inhalation Resistance Filter Penetration</p>	<p><b>EN 143:2021</b></p> <p>Clause 7.3 Clause 7.4.1 Clause 7.4.2 Clause 7.5, EN 13274-3:2001 EN 13274-7:2008 (withdrawn)</p>
RESPIRATORY PROTECTIVE EQUIPMENT	<p><b><u>Filtering half masks to protect against particles</u></b></p> <p>Visual Inspection Conditioning – Simulated wearing Temperature conditioning Conditioning Mechanical strength Flow conditioning Practical Performance Leakage Flammability Carbon Dioxide content of inhaled air Strength of attachment of exhalation valve housing Breathing Resistance Penetration of filter material</p>	<p><b>EN 149:2001+A1:2009</b></p> <p>Clause 8.2 Clause 8.3.1 Clause 8.3.2 Clause 8.3.3 &amp; EN 143:2021 Clause 8.3.4 Clause 8.4 Clause 8.5 Clause 8.6 Clause 8.7</p> <p>Clause 8.8</p> <p>Clause 8.9 Clause 8.11, EN 13274-7:2008 (withdrawn)</p>



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<p>RESPIRATORY PROTECTIVE EQUIPMENT</p>	<p><b><u>Lung governed demand self-contained open-circuit compressed air breathing apparatus with full face mask or mouthpiece assembly for escape</u></b></p> <p>Visual Inspection            Mechanical Strength            Resistance to temperature Conditioning            Breathing Resistance at low temperature            Breathing Resistance at High Temperature            Leak tightness of ready to use apparatus            Rated Working Duration            Static Pressure            Insulation Resistance of non-metallic carrying container            Carbon Dioxide content of inhaled air            Flammability            Pressure reducer            Low temperature practical performance            Practical performance            Breathing Resistance</p>	<p><b>EN 402:2003</b></p> <p>Clause 7.3            Clause 7.4            Clause 7.5.1, EN 13274-5:2001            Clause 7.5.2, EN 13274-3:2001            Clause 7.5.3, EN 13274-3:2001            Clause 7.5.4            Clause 7.5.5            Clause 7.5.6            Clause 7.5.7            Clause 7.5.8, EN 13274-6:2001            Clause 7.5.9, EN 13274-4:2001            Clause 7.6            Clause 7.7            Clause 7.8, EN 13274-2:2001            Clause 7.9, EN 13274-3:2001</p>



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<p>RESPIRATORY PROTECTIVE EQUIPMENT</p>	<p><b><u>Self-contained open-circuit compressed air breathing apparatus incorporating a hood for escape</u></b></p> <p>Pre-Conditioning Visual Inspection Mechanical strength Breathing Resistance at low temperature Breathing Resistance at High Temperature Leak tightness of ready to use apparatus Rated Working Duration Insulation Resistance of non-metallic carrying container Carbon Dioxide content of inhaled air Flammability Pressure reducer Practical performance Inhalation and exhalation breathing resistance Inward Leakage</p>	<p><b>EN 1146:2005</b></p> <p>Clause 6.13.1, EN 13274-5:2001 Clause 7.3 Clause 7.4 Clause 7.5.1, EN 13274-3:2001 Clause 7.5.2, EN 13274-3:2001 Clause 7.6 Clause 7.7 Clause 7.8 Clause 7.9, EN 13274-6:2001 Clause 7.10, EN 13274-4:2001 Clause 7.11 Clause 7.12, EN 13274-2:2001 Clause 7.13, EN 13274-3:2001 Clause 7.14, EN 13274-1:2001</p>



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RESPIRATORY PROTECTIVE EQUIPMENT	<p><b>Powered filtering devices incorporating a helmet or a hood</b></p> <p>Conditioning Visual Inspection Inward Leakage Field of vision Visor robustness Breathing Resistance Air supply flow rate Resistance to collapse of breathing hose Strength of hose and couplings and connections Mechanical strength of filters Filters particle filter efficiency</p> <p>Noise Level Carbon dioxide content of the inhalation air Resistance to Flame Practical Performance Material Porosity</p>	<p><b>EN 12941:1998+A2:2008 (withdrawn)</b></p> <p>Clause 7.1 Clause 7.2 Clause 7.3 Clause 7.4 Clause 7.5 Clause 7.6 Clause 7.7 Clause 7.9</p> <p>Clause 7.10</p> <p>Clause 7.11 Clause 7.12.2, EN 13274-7:2008 (withdrawn) Clause 7.13 Clause 7.14</p> <p>Clause 7.15 Clause 7.16 Clause 7.17</p>



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<p>RESPIRATORY PROTECTIVE EQUIPMENT</p>	<p><b>Powered filtering devices incorporating a loose fitting respiratory interface</b></p> <p>Conditioning            Inspection            Inward Leakage            Visor robustness            Breathing Resistance            Air supply flow rate            Resistance to collapse of breathing hose            Strength of hose and couplings and connections            Mechanical strength            Filters particle filter efficiency</p> <p>Mass Carried by the head            Carbon dioxide content of the inhalation air            Resistance to Flame            Noise Level            Field of Vision            Practical Performance</p>	<p><b>EN 12941:2023</b></p> <p>Clause 6.2            Clause 6.3            Clause 6.4, EN 13274-1:2001            Clause 6.5            Clause 6.6            Clause 6.7            Clause 6.8</p> <p>Clause 6.9</p> <p>Clause 6.10            Clause 6.11.2, EN 13274-7:2008 (withdrawn)            Clause 6.12            EN 13274-6:2001</p> <p>EN 13274-4:2020            ISO 16900-14:2020            ISO 16900-11:2013            EN 13274-2:2019</p>



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<p>RESPIRATORY PROTECTIVE EQUIPMENT</p>	<p><b>Power assisted filtering devices incorporating full face masks, half masks or quarter masks</b></p> <p>Conditioning Visual Inspection Inward Leakage Practical Performance Carbon dioxide content of the inhalation air Breathing Resistance Manufacturers Minimum Design Duration Air supply flow rate Resistance to collapse of breathing hose Strength of hose and couplings Interactive Flow Rate Mechanical Strength of Filters Particle Filter Efficiency</p> <p>Resistance to Flame</p> <p>Noise Level</p>	<p><b>EN 12942:1998+A2:2008 (withdrawn)</b></p> <p>Clause 7.1 Clause 7.2 Clause 7.3 Clause 7.4 Clause 7.5</p> <p>Clause 7.6.1, 7.6.2 &amp; 7.6.3 Clause 7.7</p> <p>Clause 7.8 Clause 7.10</p> <p>Clause 7.11 Clause 7.12 Clause 7.13 Clause 7.14.2, EN 13274-7:2008 (withdrawn) Clause 7.15</p> <p>Clause 7.16</p>





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<p>RESPIRATORY PROTECTIVE EQUIPMENT</p>	<p><b>Powered filtering devices incorporating full face masks, half masks or quarter masks</b></p> <p>Conditioning            Inspection            Inward Leakage            Breathing Resistance            Manufacturers Minimum Design            Duration            Air supply flow rate            Resistance to collapse of breathing hose            Strength of hose and couplings            Interactive Flow Rate            Mechanical Strength            Particle Filter Efficiency</p> <p>Mass Carried by the head            Carbon dioxide content of the inhalation air            Resistance to Flame            Noise Level            Practical Performance</p>	<p><b>EN 12942:2023</b></p> <p>Clause 6.2            Clause 6.3            Clause 6.4            Clause 6.5            Clause 6.6</p> <p>Clause 6.7            Clause 6.8</p> <p>Clause 6.9            Clause 6.10            Clause 6.11            Clause 6.12.2, EN 13274-7:2008 (withdrawn)            Clause 6.13            EN 13274-6:2001</p> <p>EN 13274-4:2020            ISO 16900-14:2020            EN 13274-2:2019</p>



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<p>RESPIRATORY PROTECTIVE EQUIPMENT</p>	<p><b>Compressed air breathing apparatus with demand valve - Apparatus with a full mask</b></p> <p>Water Immersion Visual Inspection Practical performance Strength of Connections to facepiece, demand valve medium pressure connecting tube and breathing hose Resistance to collapse of breathing hose Strength of compressed air supply tube, body harness &amp; couplings Storage conditioning Flammability Pressure Relief valve Resistance to Kinking of compressed air supply tube Resistance to collapse of compressed air supply tube Heat resistance of compressed air supply tube Inward leakage Tests for lung governed demand valve Determination of carbon dioxide content of inhalation air Testing of Audible warning device Switch over device</p>	<p><b>EN 14593-1:2005 (withdrawn)</b></p> <p>Clause 6.2 Clause 6.3 Clause 6.4, EN 13274-2:2001 Clause 6.5</p> <p>Clause 6.6</p> <p>Clause 6.7</p> <p>Clause 6.8 Clause 6.9, EN 13274-4:2020 Clause 6.10 Clause 6.11</p> <p>Clause 6.12</p> <p>Clause 6.13</p> <p>Clause 6.14, EN 13274-1:2001 Clause 6.15</p> <p>Clause 6.16, EN 13274-6:2001</p> <p>Clause 6.17 Clause 6.18</p>



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<p>RESPIRATORY PROTECTIVE EQUIPMENT</p>	<p><b>Compressed air breathing apparatus with demand valve - Devices with a full face mask</b></p> <p>Visual Inspection Practical performance Strength of Connections to facepiece, demand valve medium pressure connecting tube and breathing hose Resistance to collapse of breathing hose Strength of compressed air supply tube, body harness &amp; couplings Pre-conditioning Flammability Pressure Relief valve Resistance to Kinking of compressed air supply tube Resistance to collapse of compressed air supply tube Heat resistance of compressed air supply tube Tests for lung governed demand valve Determination of carbon dioxide content of inhalation air Switch over device Leak Tightness Sound level Measurement</p>	<p><b>EN 14593-1:2018</b></p> <p>Clause 5.2 Clause 5.3, EN 13274-2:2001 Clause 5.4</p> <p>Clause 5.5</p> <p>Clause 5.6</p> <p>Clause 5.7 Clause 5.8, EN 13274-4:2001 Clause 5.9 Clause 5.10</p> <p>Clause 5.11</p> <p>Clause 5.12</p> <p>Clause 5.13, EN 13274-3:2001 Clause 5.14, EN 13274-6:2001</p> <p>Clause 5.16 Clause 5.17 Clause 5.18, ISO 16900-14:2020</p>



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Respiratory Protective Equipment	<p><b>Continuous flow compressed air line breathing devices</b></p> <p>Inspection Practical performance Strength of breathing hose connections Resistance to collapse of breathing hose Strength of compressed air supply tube, body harness &amp; couplings Pre-conditioning Flammability Pressure Relief valve Resistance to Kinking of compressed air supply tube Resistance to collapse of compressed air supply tube Heat resistance of compressed air supply tube Determination of carbon dioxide content of inhalation air Inward leakage Warning Device Mechanical resistance of lens(es) of visor(s) (hood/helmet/suit) Breathing Resistance Sound Level measurement inside the Hood/helmet/suit Strength of attachment of exhalation valve Air supply rate Effective mass supported by the facepiece Leak tightness</p>	<p><b>EN 14594:2018</b></p> <p>Clause 6.2 Clause 6.3, EN 13274-2:2001 Clause 6.4 Clause 6.5 Clause 6.6 Clause 6.7 Clause 6.8, EN 13274-4:2001 Clause 6.9 Clause 6.10 Clause 6.11 Clause 6.12 Clause 6.13, EN 13274-6:2001 Clause 6.14, EN 13274-1:2001 Clause 6.15 Clause 6.16 Clause 6.17, EN 13274-3:2001 Clause 6.18, ISO 16900-14:2020 Clause 6.19 Clause 6.20 Clause 6.22 Clause 6.23</p>



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Respiratory Protective Equipment	Determination of Inward leakage and Total Inward Leakage	EN 13274-1:2001
	Practical Performance Tests	EN 13274-2:2019 EN 13274-2:2001
	Determination of Breathing Resistance	EN 13274-3:2001
	Flame Tests	EN 13274-4:2001 EN 13274-4:2020
	Climatic Conditions	EN 13274-5:2001
	Determination of Carbon Dioxide Content of Inhaled air	EN 13274-6:2001
	Determination of Particle filter penetration	EN 13274-7:2008 (withdrawn)
	Determination of Field of Vision	ISO 16900-11:2013
	Measurement of Sound Pressure Level	ISO 16900-14:2020
Respiratory Protective Equipment	Electrostatic Properties: Test Voltage 500 V DC	ISO 8031:2020, Clause 4
Helmets	Flame Engulfment Test	EN 443:2008 Clauses 4.11 & 5.13
END		