



# Technical Data Sheet

## Dräger X-plore® 6530 EPDM / Triplex (R 55 810)

### Air Purifying Respirator

1.0 General Data				
1.1	Manufacturer	Dräger Safety AG & Co. KGaA		
1.2	Designation	Dräger X-plore® 6530 EPDM / Triplex Full Mask Respirator		
1.3	Dräger Part Number	R 55 810		
	EAN Code	4026056002436		
1.4	Intended Use	Respirator for protection against particulates, gases and vapors in conjunction with suitable respiratory filters. The scope is limited by the product documentation, technical standards, installed application rules and choice of respiratory filters.		
1.5	Relevant Standards	EN 136:1998 Class 3	AS/NZS 1716:2003	GOST R 12.4.189-99
1.6	Certification Body	DEKRA EXAM GmbH Dinnendahlstr. 9 44809 Bochum Germany Reference number: CE 0158	SAI Global Assurance Services Ltd Winterhill House Snowdon Drive Milton Keynes MK6 1AX United Kingdom	VNIIS, JSC 3/10, Electrichesty Ln. Bld. 1 Moscow 123557 Russia

2.0 Design & Construction		
2.1	Filter Connection	Thread Connector Rd 40x1/7" according to EN 148-1
2.2	Material	Mask Body: EPDM Lens: Triplex Glass Filter Connecting Piece: Plastic Lens Frame: Stainless Steel Inner Mask: EPDM Head Harness: EPDM Inhalation Valves: Natural Rubber Exhalation Valve: Natural Rubber Neck Strap: PVC
2.3	Construction	The X-plore® 6530 consists of eight main components: mask body, lens, lens frame, head harness, inner mask, front connector piece, an inhalation valve and an exhalation valve. The mask body is of one solid mold which all components are attached. The lens and lens frame are rigid which allows the mask to maintain its form. The head harness provides adjustability to achieve proper fit. The inner mask is shaped similar to a half mask and channels airflow. The inhalation valve is a flat disc that only allows air into the mask and the exhalation valve is of a stepped design to apply even sealing pressure that only allows air to exit the mask. The front connector piece houses the inhalation and exhalation valves, along with the 40mm filter connection.
2.4	Working Principle	The full face mask, in combination with a breathing filter, offers respiratory and eye protection against gases, vapors, and/or particles. Scope and effectiveness of respiratory protection results from the combination of full-face mask with a suitable and certified respiratory protective filter, along with following local regulations on use limitations.  In the mask body is a viewing lens which is tightly clamped. The sealing line on the inside of the mask body conforms to the face of the wearer along the forehead, cheeks and under the chin.  A head harness with adjustable buckles firmly holds the mask onto the face. An inner mask with control valves directs the flow of exhaled air towards the exhalation valve and out of the mask, thus minimizing fogging of the lens. The inner mask also reduces CO2 build-up (in the dead space) according to standards.
2.5	Sizes	One size: fits all with integrated double sealing surfaces
2.6	Service-life	Only certain components (e.g. exhalation valve) must be periodically replaced. See Instructions For Use for details. There are no time limitations on mask materials assuming proper storage, maintenance and cleaning as stated in IFU. Damage and wear are outside of this statement.
2.7	Dimensions (approx.)	Height: 213mm      Width: 165mm      Depth: 135mm
2.8	Weight (approx.)	610g

3.0 Performance		
3.1	Inhalation Resistance	< or = 0.5 mbar @ 30 l/min constant flow < or = 1.5 mbar @ 95 l/min constant flow < or = 2.5 mbar @ 160 l/min constant flow
3.2	Exhalation Resistance	< or = 3.0 mbar @ 160l/min constant flow
3.3	Temperature Resistance	to EN 136 class 3 (conditioned at +70°C and -30°C and then tested within 30s of removal)
3.4	Flammability	to EN 136 class 3 (exposed to a 950°C flame for 5s and then leak tested)
3.5	Speech Diaphragm	Stainless steel
3.6	Inward Leakage	< or = 0.05% (to EN 136)

<b>4.0 Documentation</b>	
4.1 Identification	<ul style="list-style-type: none"> <li>- "Dräger X-plore 6500" on the mask body</li> <li>- "EPDM" on the mask body</li> <li>- "L F" on the lens</li> <li>- CE marking on the mask body ("EN136:1998CL3 CE 0158")</li> <li>- Barcode on lens</li> </ul>
4.2 Instructions	<p>Each unit contains an instruction booklet in the following languages:            English, German, French, Spanish, Portuguese, Italian, Dutch, Norwegian, Swedish, Danish, Finnish, Russian, Greek, Turkish</p> <p>Additionally, a NIOSH version in English, French, Spanish (note this mask is not NIOSH approved)</p>
<b>5.0 Packaging</b>	
5.1 Packaging	Durable, color printed carton, marked with: features, application uses, manufacturer location, use warning and relevant approvals. The closing label includes the product number, name, EAN code, control number and manufacturing location.
5.2 Packing Unit	1 Full mask per box
<b>6.0 User Notes</b>	
6.1 System Usability	<p>Suitable for normal-pressure regulated powered filtering devices, normal-pressure breathing apparatus or breathing filters with threaded connection according to EN 148-1 (RA), e.g. Dräger X-plore® Rd40 filter breathing.</p> <p>System approvals must be taken into account if necessary for a particular region.</p>
6.2 Limitations	<p>This mask meets the minimum requirements according to specified standards (see label). It should be noted that laboratory test values may significantly differ from those that are achieved in practice. The user must read and understand all instructions for use. In addition, the knowledge of all relevant application rules is absolutely necessary (in particular the limits of use for masks and filter units). More information will be made available upon request.</p>