

ST-13015-2007

Breathe Cool, Stay Safe

DRÄGER X-PLORE® 1700



ST-13029-2007

Breathe easier and work safely

For over 100 years, Dräger has followed this philosophy when developing respiratory protection products. As customers' requests, requirements and regulations constantly change in today's working environment, Dräger continuously strives to develop new and improved respiratory protection solutions.

The Dräger X-plore 1700 series has been developed in cooperation with users for the specific requirements in the areas of industry, specialized trades and services. It sets new standards for comfort and use, performance and protection, along with modern design.

Dräger X-plore 1700 is the new generation of particle filtering face pieces. With its CoolSAFE™ filter material it offers effective protection against fine dust, as well as solid and liquid particles. The Dräger X-plore 1700 series offers a variety of masks to meet the needs of different application areas.

Users can choose between the three EN protection classes: FFP1, FFP2 and FFP3, which are optionally available with the CoolMAX™ exhalation valve for additional comfort. Odour stopping versions, containing an activated carbon layer are ideal for users which battle with unpleasant nuisance odours. All versions meet the increased requirements of the new EN 149:2001+A1:2009 standard.

The Dräger X-plore® 1700 Series



DRÄGER X-PLORE® 1710: FFP1

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Dräger X-plore 1710

DRÄGER X-PLORE® 1720: FFP2

ST-9489-2007



Dräger X-plore 1720

DRÄGER X-PLORE® 1730: FFP3

ST-1110-2008



Dräger X-plore 1730

ST-8679-2007



Dräger X-plore 1710 V

ST-8673-2007



Dräger X-plore 1720 V

ST-8667-2007



Dräger X-plore 1730 V

ST-14189-2007



Dräger X-plore 1710 Odour

ST-14189-2007



Dräger X-plore 1720 V Odour

ST-14189-2007



Dräger X-plore 1710 V Odour

Setting new benchmarks in comfort, protection...

CoolSAFE™ filter material

Performance that makes a difference: CoolSAFE™ filter material produced from high-performance filter media ideally combines low breathing resistance and high filter performance in one mask. In addition, the dolomite dust testing requirements are achieved.

Flexible nose clip

Ensures a great fit, in the most critical area.

Soft inner layer

Comfortable to wear: the inner material layer is not only soft and hypoallergenic, but also repels moisture thanks to its hydrophobic properties, keeping breathing resistance constantly low, when used for longer periods of time.

Colour coding

Fast recognition without confusion: colour coding classifying the three EN protection levels dark-blue (FFP1), light-blue (FFP2) and white (FFP3) provides greater security when selecting the right mask.



ST-8680-2007, ST-8674-2007, ST-8668-2007

Nose pad

Safe sealing in the most critical area: all facepieces are equipped with a high-quality, foam nose pad. It is comfortable and ensures a secure seal around the nose.



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Activated carbon layer against nuisance odours

Odour versions are equipped with an activated carbon layer which filters out unpleasant nuisance odours.



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VarioFLEX™ head harness

This continuous loop head harness is constructed from a stable, elastic, textile strap which is easy to don and doff while ensuring a comfortable fit. The soft, tearproof elastic can easily be adjusted to fit various sizes of head and prevents hair entanglement.

Hygienic individual packaging

Each facepiece is individually packed and sealed in a plastic bag, ensuring it stays clean and hygienic.

CoolMAX™ exhalation valve (optional)

Breathe easy and comfortably: thanks to an extremely low breathing resistance. Additionally, the specially engineered CoolMAX™ exhalation valve releases humid and warm exhaled air, preventing heat build-up underneath the mask, allowing you to stay cool.

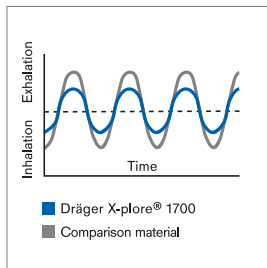
Folded form

All Dräger X-plore 1700s are flat-folded, saving space and making them easier to transport.



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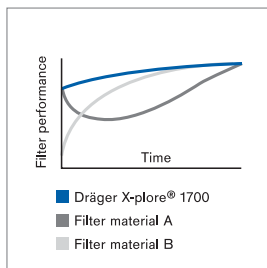
...and material



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Comparison of breathing resistances:

lower breathing resistance compared to other filter materials.



ST-1112-2008

Comparison of filter principles:

higher filter performance compared to other filter materials.



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CoolMAX™ exhalation valve:
optimal exhalation airflow from the new Dräger X-plore series.

CoolSAFE™ filter material

The specially developed CoolSAFE™ filter material combines various high-performance filter media to achieve an excellent filter performance. Coarse and fine particles are effectively stopped in the various filter layers. At the same time, the breathing resistance remains very low, allowing the user to work easily and without tiring for longer periods. In addition, the face pieces were subjected to the increased requirements of the (optional) dolomite dust test. Their resistance to clogging under high exposure to dust was successfully tested. During activities with high exposure to dust (e.g. mining), this gives the face pieces a longer service life and reduces costs for the user, while maintaining a high degree of wearing comfort.

CoolMAX™ exhalation valve

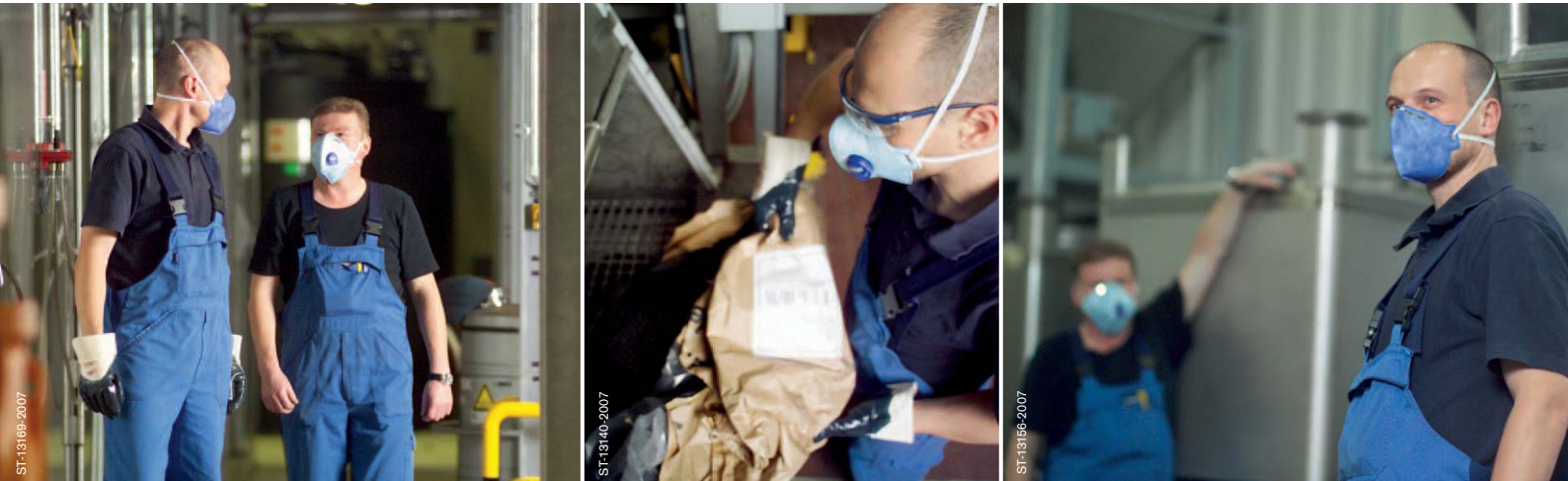
Small details, large effect: the CoolMAX™ exhalation valve was engineered to optimally guide the exhalation airflow away from the mask. Thanks to the extremely low breathing resistance, it is particularly easy to breathe. The effective removal of humid and warm exhaled air successfully prevents a heat build-up under the face piece during longer periods of use. The result: the user enjoys the highest levels of breathing comfort.

Secure seal

Alongside the material's filter performance, a secure seal without leakage is decisive in how effective the mask's protection really is. The Dräger X-plore 1700 serves as a role model in sealing performance. Its ergonomic form and soft material fits well to the face. The nose pad and nose clip effectively holds it in place in the critical areas around the nose. Fits, sits, and seals securely.

Wearing comfort

A few minutes or a couple of hours... The longer the period of use, the more important the wearing comfort. Safety professionals around the world have confirmed: if respiratory protection is not comfortable to wear and easy to operate, it does not get used. While questionnaires evaluated some masks as uncomfortable, restrictive or complicated to use, we have developed the Dräger X-plore 1700 series in such a way that no compromises are necessary.



INFORMATION ON USAGE

Protection class	Multiple ¹⁾ of limit value ²⁾	Fields of application and restrictions on use
FFP1	4	Against solid and liquid particles, however not against carcinogenic and radioactive materials, airborne biological substances from risk groups 2 and 3, and enzymes ³⁾
FFP2	10	Against solid and liquid particles, however not against radioactive materials, airborne biological substances from risk group 3, and enzymes ³⁾
FFP3	30 ⁴⁾	Against solid and liquid particles, and also against radioactive materials, airborne biological substances from risk group 3, and enzymes ³⁾ Not approved in Australia.

¹⁾ in accordance with EN 529:2005, amendments by national regulations are possible

²⁾ maximum permitted concentration of harmful substances specified by country

³⁾ if necessary, strict observance of differing national regulations

⁴⁾ UK: 20

ORDER INFORMATION

Dräger X-plore® 1700	Marking	Items per Box	Order No.
Dräger X-plore 1710	FFP1 NR D	20	39 51 080
Dräger X-plore 1710 V	FFP1 NR D	10	39 51 081
Dräger X-plore 1710 Odour ¹⁾	FFP1 NR D	20	39 51 140
Dräger X-plore 1710 V Odour ¹⁾	FFP1 NR D	10	39 51 082
Dräger X-plore 1720	FFP2 NR D	20	39 51 083
Dräger X-plore 1720 V	FFP2 NR D	10	39 51 084
Dräger X-plore 1720 V Odour ¹⁾	FFP2 NR D	10	39 51 085
Dräger X-plore 1730	FFP3 NR D	20	39 51 086
Dräger X-plore 1730 V	FFP3 NR D	10	39 51 088

¹⁾ Additional carbon layer against nuisance odours below the limit value

TECHNICAL DATA

Dräger X-plore® 1700	
Filter material	CoolSAFE™ for protection against solid and liquid non-volatile particles
Odour versions	With additional activated carbon layer against nuisance organic odours below the limit value
Approvals	All versions meet the conditions of the EU guideline 89/686/EWG and are permitted as particle filtering half masks in accordance to the increased requirements of the revision of EN 149:2001+A1:2009 (test of filter performance for aerosol exposure with 120 mg paraffin oil). Australian Standard AS/NZS 1716:2003 certified (SAI Global)
Marking D	Successfully passed the dolomite dust test against clogging
Marking NR	The mask can only be used for a maximum of one work shift

APPLICATION INFORMATION

Activity	Type of particles	Filter class
Woodworking		
Sanding – hardwood, softwood	Fine particles, wood dust	FFP2
Woodcutting – hardwood, softwood	Fine particles, wood dust	FFP2
Wood staining (stain containing copper or chrome)	Fine paint mists	FFP3
Paint removal	Fine paint particles	FFP2
Paint removal (paints containing chrome)	Fine paint particles	FFP3
Sanding/grinding		
Rust/corrosion removal	Rust/corrosion and metal dust	FFP2
Masonry/concrete	Stone dust	FFP2
Hard- and softwood	Wood dust	FFP2
Synthetics/plastics	Synthetic dust	FFP2
Painting	Paint particles	FFP2
Painting (paints containing chrome)	Paint particles	FFP3
Iron/steel	Metallurgical dust	FFP2
Stainless steel	Metallurgical dust	FFP3
Adhesive removal	Fine dust	FFP2
Construction and mining		
Painting with water-soluble paints	Large paint particles	FFP2
Sprayable varnish	Paint mists	FFP2
Demolition	General dust	FFP2
Foundation setting	Concrete dust	FFP1
Concrete handling	Concrete dust	FFP1
Concrete pouring	Fine plaster dust	FFP2
Woodworking	Wood dust – soft and hard	FFP2
Insulation installation	Dust and fibres	FFP1
Roofing and tiling	Roof and tile dust	FFP2
Mining	Fine stone dust	FFP2
Metal processing		
Zinc	Zinc/general metallurgical fumes	FFP3
Aluminium	Aluminiumoxide fumes	FFP3
Stainless steel	Metal oxide fumes	FFP3
Manual arc welding	Sparks, fumes	FFP3
Laser welding	Sparks, fumes	FFP3
Hard soldering	Fumes	FFP2 Odour
Drilling	Metallurgical dust	FFP1
Sawing	Metallurgical dust	FFP1
Waste disposal		
Waste disposal	Dust	FFP3
Cleaning tasks in low-level dust environments	Dust (non-toxic)	FFP2 Odour
Sweeping grounds	Dust (non-toxic)	FFP2 Odour
Disposal of waste and sewage	Bacteria/funghi	FFP2 Odour
Disposal of medical waste	Bacteria/virus	FFP3

*For concentrations of harmful gases (e.g. O₃, NO_x) below limit values.

This guide does not release the user from the obligation to comply with national applications and laws, for example the BGR 190 in Germany. Please read the instruction manual provided with the products.

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ST-25683-2004

Woodworking



ST-25684-2004

Sanding



ST-25685-2004

Construction and mining



ST-3060-2004

Welding



ST-25686-2004

Waste disposal