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D-16516-2009

Proven, sophisticated, comfortable

DRÄGER X-PLORE® 1300

Dräger. Technology for Life®



ST-190-2009

Proven comfort, sophisticated ideas, safe respiratory protection

For over 100 years Dräger has followed the philosophy "Breathe easy and work safely" when developing respiratory protection equipment. The new Dräger X-plore® 1300 series is proof of this philosophy – the successful combination of proven protection combined with modern technology to excel today's standards.

We listened to the demands of respiratory protection users in a wide range of industries and turned your requirements into intelligent solutions users will appreciate. The Dräger X-plore 1300 is the perfect combination of established respiratory protection, proven comfort, and sophisticated, new ideas.

Regardless if a face piece is worn for a minute or for hours, the longer the use, the more important the comfort. Safety engineers around the world have confirmed: if respiratory protection is not comfortable to wear and easy to handle, it will not be used.

Dräger X-plore 1300 is the modern generation of pre-formed face pieces offering exactly what it takes: Straight-forward easy handling, excellent comfort and, thanks to its CoolSAFE™ filter material, effective protection against fine dust and particles to meet the needs of users in a wide range of applications.
Simply sophisticated.

Dräger X-Plore® 1300



The Dräger X-plore® 1300 at a glance

With the Dräger X-plore 1300® series, users can choose between face pieces in all three EN protection classes: FFP1, FFP2 and FFP3. All face pieces are available with the CoolMAX™ exhalation valve for additional comfort. Odour stopping versions, containing an activated carbon layer are ideal for users that battle with unpleasant nuisance odours. All versions meet the increased requirements of the new EN 149:2001+A1:2009 standard.

DRÄGER X-PLORE® 1310: FFP1



Dräger X-plore 1310



Dräger X-plore 1310 V

DRÄGER X-PLORE® 1320: FFP2



Dräger X-plore 1320



Dräger X-plore 1320 V



Dräger X-plore 1320 V Odour

DRÄGER X-PLORE® 1330: FFP3



Dräger X-plore 1330 V S/M



Dräger X-plore 1330 V M/L



Dräger X-plore 1330 V Odour

Proven respiratory protection with intelligent solutions

CoolSAFE™ filter material
Performance that makes a difference: CoolSAFE™ filter material produced from high-performance filter media combines low breathing resistance and high filter performance in one mask. The material also exceeds the challenging dolomite dust test requirements.

Flexible nose clip
Ensures a great fit in the most critical area.

Nose seal
Safe sealing in the most critical area: all face pieces are equipped with special nose seal. It is sweat-absorbing, comfortable and most importantly ensures an effective seal around the nose.

Formed mask body
Proven, ergonomic, stable:
The special design and shape of the mask body offers comfortable and secure fitting to faces with a wide variety of shapes and sizes. The masks can be donned quickly and easily. The interior volume ensures wearing comfort along with easy communication. Inside, the mask body is specially reinforced, thus ensuring dimensional stability throughout long periods of time.



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VarioFLEX™ head harness with EasyStop
Easy to don/doff and adjust with a pressure-free fit: This continuous loop head harness is constructed from a robust, tear-proof textile strap. In contrast to other face pieces, no clips are required – preventing uncomfortable pressure and allergic reactions. The head harness can be donned/doffed easily and quickly, and without hair entanglement. Thanks to EasyStop, the head harness can easily be adjusted to fit various head sizes while sitting comfortably and safely.

CoolMAX™ exhalation valve (optional)
Breathe easy and comfortably with extremely low breathing resistance. The exhalation valve releases humid and warm air, preventing heat build-up underneath the mask, allowing you to stay cool while working hard.

Hypoallergenic inner layer
Comfortable to wear: the hypoallergenic inner layer is easy on your skin and gives the user added comfort even when used for longer periods of time.

Color coding
Fast recognition without confusion: the color coded nose clip and valve classify the three EN protection levels dark-blue (FFP1), light-blue (FFP2) and white (FFP3). Providing easy recognition when selecting the right mask.

Special features of Dräger X-plore® 1330



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Dräger X-plore 1330 FFP3

- **Practical and comfortable:**
  The VarioFLEX™ head harness with a four-point adjustment and extra-wide textile straps ensures the best possible fit.
- **Quick and easy to use:**
  The straps are arranged for fast donning. An integrated safeguard prevents straps from slipping out of place.
- **Secure and comfortable:**
  Integrated, all-around comfort sealing.
- **Clean and hygienic:**
  Each face piece is individually packaged in its own plastic bag.
- **Individually adjustable:**
  Available in two different sizes S/M and M/L – the right size for different face shapes.


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COOLSAFE™ FILTER MATERIAL

The specially engineered 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, breathing resistance remains very low, allowing the user to work easily for longer periods.

In addition, the face pieces were tested according 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.



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COOLMAX™ EXHALATION VALVE

Small details, big effect: the CoolMAX™ exhalation valve was engineered to optimally guide the exhaled air out of the face piece. The extremely low breathing resistance keeps breathing easy. Effective exhalation of humid and warm air successfully prevents heat build-up under the face piece. The result: the user enjoys the highest levels of breathing comfort.


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EFFECTIVE SEAL

Alongside the material's filter performance, an effective seal without leakage is decisive in how effective the masks' protection really is. Depending on the protection level, the face pieces are equipped with a soft foam nose pad (FFP1), a large comfort sealing strip (FFP2) or a complete all-around comfort seal (FFP3). The combination of inner seal and nose clip holds the mask effectively in place in the critical area around the nose. Fits, sits and seals securely.


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ACTIVATED CARBON FILTER AGAINST NUISANCE ODOURS

Odour-stopping versions are equipped with an additional activated carbon layer, which filters out nuisance odours and unpleasant smells. Making breathing easy and more comfortable in industries where nuisance odours are present (e.g. recycling and waste separation).







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	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

ORDER INFORMATION

Dräger X-plore® 1300	Marking	Items per Box	Order No.
Dräger X-plore® 1310	FFP1 NR D	20	39 51 211
Dräger X-plore® 1310 V	FFP1 NR D	10	39 51 212
Dräger X-plore® 1320	FFP2 NR D	20	39 51 213
Dräger X-plore® 1320 V	FFP2 NR D	10	39 51 214
Dräger X-plore® 1320 V Odour[1]	FFP2 NR D	10	39 51 215
Dräger X-plore® 1330 V S/M	FFP3 NR D	5	39 51 216
Dräger X-plore® 1330 V M/L	FFP3 NR D	5	39 51 217
Dräger X-plore® 1330 V Odour[1]	FFP3 NR D	5	39 51 218

[1] Additional carbon layer against nuisance odours below the limit value

TECHNICAL DATA

Dräger X-plore® 1300	
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	Metalurgical dust	FFP2
Stainless steel	Metalurgical dust	FFP3
Adhesive removal	Fine dust	FFP2
Construction and mining		
Painting with watersoluble 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
Metal processing		
Welding* Zink	Zink/general metalurgical fumes	FFP3 Odour
Aluminium	Aluminiumoxide fumes	FFP3 Odour
Stainless steel	Metal oxide fumes	FFP3 Odour
Manual arc welding	Sparks, fumes	FFP3 Odour
Laser welding	Sparks, fumes	FFP3 Odour
Hard soldering	Fumes	FFP2 Odour
Drilling	Metalurgical dust	FFP1
Sawing	Metalurgical dust	FFP1
Waste disposal		
Waste disposal	Dust	FFP3 Odour
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 Odour

*For concentrations of harmful gases (e.g. O_3, 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 always read the instruction manual provided with the products.


ST-2583-2004

Woodworking


ST-2584-2004

Sanding


ST-2585-2004

Construction and mining


ST-3060-2004

Welding


ST-2586-2004

Waste disposal

Biotechlab Ltd.
Business Center Serdika
building 3, floor 1, office 109
2E Akad.Ivan Geshov Blvd.
1330 Sofia, Bulgaria

Phone +35928704928
mobiles: +359879 699251; +359879 699451;
Fax:+35928704928
office@biotechlab-bg.com
www.biotechlab-bg.com