

Dräger TeamMaster pro-ET gas-tight chemical protective suit



ST-1639-2004

For emergency response to hazardous materials, it is essential to prevent dangerous chemicals causing permanent injury or damage to property and the environment. Such responsible work demands equipment that matches the responsibility.



ST-5700-2004

Dräger TeamMaster
pro-ET: blue



ST-5685-2004

Dräger TeamMaster
pro-ET: orange

The Dräger TeamMaster pro-ET (ET = Emergency Team) chemical protective suit is a gas-tight, reusable, single-piece chemical protective suit compliant with EN 943-1:2002, Type 1a. It is also tested and approved to EN 943-2:2002, Type 1a - (ET) and thus complies with the latest vfdb guideline 08/02:2002-11(3). Furthermore, the suit has the European MED Steering Wheel approval (Marine Equipment Directive) of the "GL LUXEMBOURG" and the Japanese marine approval "NIPPON KAIJI KYOKAI".

The Dräger TeamMaster pro-ET chemical protective suit protects the equipment wearer and his breathing apparatus from gaseous, liquid, aerosol and solid chemicals. The breathing apparatus is worn underneath the suit.

The suit material consists of high-quality HIMEX® substrate fabric, which features extremely high mechanical strength and chemical resistance and also withstands darting flames.

The components of the protective suit can be put together to suit specific applications with the help of a modular system and

matched to the wearer to achieve maximum comfort in the various work situations.

A choice of different suit sizes is available in both BLUE and ORANGE. The protective gloves and safety boots are chemical-proof, easily replaceable and joined to the suit. The visor is made of a special PVC material. Besides the compressed air breathing apparatus with full-face mask specified in EN 137, a safety helmet or a helmet-mask combination can be worn underneath the suit.

A ventilation system can be integrated into the suit and helps to keep the body cool and remove moisture. The wearer benefits from agreeable conditions inside the suit and can thus enjoy substantially improved comfort. In addition, the suit can be connected to an external source (e.g. compressed air respirator).

Dräger TeamMaster pro-ET chemical protective suit – another quality product from Dräger Safety.

HIMEX® is a registered trademark of Drägerwerk AG, Lübeck.

CHEMICAL TESTS

Chemical	Breach time (minutes) ⁽¹⁾	Chemical	Breach time (minutes) ⁽¹⁾
Acetone ^{2) 3)}	> 120	Hydrogen chloride ^{2) 3)}	> 480
Acetonitrile ^{2) 3)}	> 480	Methanol ^{2) 3)}	> 480
Ammonia ^{2) 3)}	> 480	Methyl chloride ³⁾	> 480
1,3-Butadiene ³⁾	> 480	n-Heptane ²⁾	> 480
Carbon disulphide ^{2) 3)}	> 480	n-Hexane ³⁾	> 480
Chlorine ^{2) 3)}	> 480	Nitrobenzene ³⁾	> 480
Dichloromethane ^{2) 3)}	> 60	Sodium hydroxide (40%) ²⁾	> 480
Diethylamine ^{2) 3)}	> 480	Sulphuric acid (96%) ²⁾	> 480
N,N-Dimethylformamide ³⁾	> 480	Tetrachlorethylene ³⁾	> 480
Ethyl acetate ^{2) 3)}	> 480	Tetrahydrofurane ^{2) 3)}	> 480
Ethylene oxide ³⁾	> 480	Toluene ^{2) 3)}	> 480

Further resistance data are available at '<http://www.draeger.com/voice>'.

¹⁾ Time acc. to DIN EN ISO 6529:2003-01 until the permeation rate reaches 1,0 µg/cm²/min
²⁾ Test chemicals of EN 943-2:2002 and vdfb guideline 08/02:2002-11(03) (German Fire Protection Association)
³⁾ Test chemicals of NFPA 1991:2000 (National Fire Protection Association)

TECHNICAL DATA

Approvals:	EN 943-1:2002, Type 1a; EN 943-2:2002, Type 1a-ET; vdfb guideline 08/02:2002-11(03) European MED Wheel mark approval (Marine Equipment Directive) of the "GL LUXEMBOURG" Japanese marine approval "NIPPON KAIJI KYOKAI"		
Temperature:	in use	-40 °C to 60 °C	
	in storage	-5 °C to 25 °C	
Weight:	approx. 8 kg (without ventilation systems)		
Gloves:	VITON® (fluorinated rubber), to EN 374, chemical resistant VITON® (fluorinated/butyl rubber), to EN 374, chemical resistant		
Safety boots:	NBR-B nitrile boots Bekina Light	black, replaceable, FPA safety boot to EN 344/345, with steel sole and toe cap, sizes 43 or 46 as standard sizes, other sizes and safety boots on request	
	NBR-E nitrile boot Etché	black, replaceable, FPA-CR safety boot to EN 344/345, with steel sole and toe cap, sizes 43/44; 45; 46/47 as standard sizes, cut-proof and fire-proof, interior textile lining	
Visor:	Special polyvinyl chloride		
Ventilation:	with PT 120 REGULATING VALVE		
Suit material:	(substrate fabric) with HIMEX® hybrid material		
Colours:	outside / inside	blue / grey	orange / grey
Zip fastening:	front, vertical, left half of suit, concealed zip, Viton-coated backing tape, covered by single tongue, Velcro fastening or double tongue, zip fastening direction optionally up or down.		
Sizes:	As defined by EN 340:	M	from 155 - 180 cm
		L	from 160 - 185 cm
		XL	from 180 - 200 cm
		XXL	from 190 - 215 cm

VITON® is a registered trademark of DUPONT DOW ELASTOMERS
HIMEX® is a registered trademark of Drägerwerk AG, Lübeck

ORDER INFORMATION

Dräger TeamMaster pro-ET blue	Basic suit in respective size inc. backpack pad and carry bag blue	R 29 444
Dräger TeamMaster pro-ET orange	Basic suit in respective size inc. backpack pad and carry bag blue	R 29 445

Necessary equipment:

Zip coverings:	Single-tongue Velcro fastening Double-tongue Velcro fastening
Zip fastening direction:	Optionally up or down
NBR-E safety boots:	Sizes 43/44; 45; 46/47
NBR-B safety boots:	Sizes 48/49
VITON® fluorinated rubber glove:	Sizes 9, 10, 11
VITON® butyl glove:	Sizes 9, 10, 11

Other accessories:

KEVLAR® over-glove
PVC over-glove (pair)
Cotton glove (pair)
Arm cuffs (pair)
Additional visor shield (set of 10)
Anti-fog visor
2 fixing tongues in crotch area for a crotch strap or leg-length adjuster
Protective bag of Tyvek
Carry box (on wheels)
CSA hanger, bell shape (stainless steel)

Ventilation systems:

Buckles and mounting plate integrated for retrofit of a ventilation system included
Fixing buckles for accommodating a belt
Ventilation with SU 120
Ventilation with SU 30i
Ventilation Aerotec PT
PT 120 REGULATING VALVE

Guidance and orientation line adapters:

Line adapter for suits with ventilation
Line adapter for suits without ventilation

Tester:

Porta Control
Tester accessories (on request)

Customised lettering of TeamMaster pro-ET (on request) (see separate leaflet Dräger No. 90 46 022)

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