

## WorkMaster and you – the ideal team for your job

Even under extreme  
working conditions:  
WorkMaster will meet  
your requirements by  
way of

- comprehensive  
chemical protection  
and
- enormous  
robustness



Apart from exposure to chemicals, the protective suit is often adversely affected by one or more of conditions such as tensile stress, abrasion, exposure to heat etc. during work within chemical tanks, at pipeline systems or any other narrow rooms. Any of the above mentioned conditions may result in the protective suit being restricted in its efficient operation.

If during such activities a loss of the protective effects was experienced the users health could be in severe danger.

The chemical protective suit WorkMaster pro is protecting you throughout due to the fact that those are exactly the situations that WorkMaster pro has been developed for.

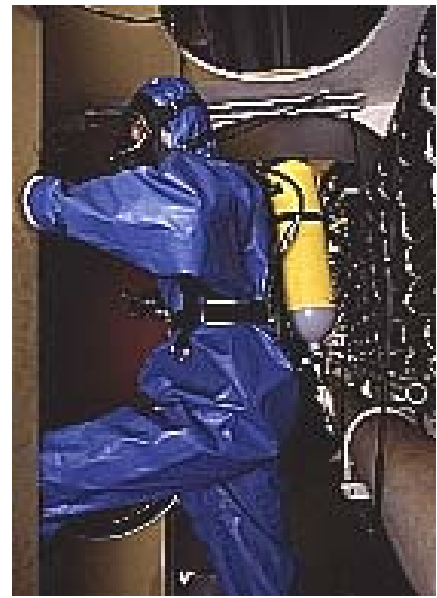


2-1001-94

If you examine WorkMaster pros manufacture and accessories you will recognise that WorkMaster pro has been purpose built for such arduous work situations. In order to guarantee the resistance of the fabric to hard working conditions all seams are double stitched and are sealed chemically tight by fabric strips overlaid on both the inside and outside.

The steel toe caps provided in the interchangeable safety boots prevent foot injuries caused by heavy objects falling on them.

Viton gloves, resistant to chemicals, may be replaced within a few minutes and without any additional tools. Nevertheless this modern glove connection is capable of withstanding more than 30 kg of tensile force without loosening. While maintaining a high level of robustness the repair and service features as well as economic efficiency are in no way diminished. In fact after only a short cleaning and disinfection of the suit the WorkMaster pro is ready for use again.



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The newly developed material called Himex makes this use possible in such conditions. It is nearly impossible to find such a combination of resistance to both chemical exposure and mechanical stresses. Some suits tear if they catch on a sharp edge which could result in loss of protection.

Strong mechanical stresses such as climbing under trucks or between chemical tanks can also cause tearing. In both situations Himex will remain intact thus remaining its chemical protection.

You know the phenomenon of deflagrations suddenly occurring at work. Even now Himex is protecting the wearer sufficiently.

Donning of the suit is made easier by the zip fastener ending at the shoulder. The sunken zipper (being provided with teeth made of stainless steel and a Himex covering flap) is to be closed from top to bottom, thus ensuring it is completely closed.



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WorkMaster is made of the newly developed material called Umex which is ideally suited for use in working conditions where the hazard is known or subject to control such as acid, lye or chloric gas. This protective suit guarantees high wearer comfort and sufficient chemical protection. The bright red colour will ensure visibility even in dark or vapour saturated environments.

WorkMaster and WorkMaster pro are the latest state of the art in chemical protection.

Due to a wide range of modifications available both versions are suitable for your work.

Should you require further information, please do not hesitate to contact us. We shall be pleased to discuss the matter with you at any time.



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## Technical Data of materials

Testing criterion	Testing standard	Himex	Umex
Maximum tensile stress (N/50 mm)	DIN 53354	2687	1898
Tear strength (N)	DIN 58356 »A«	75	31
Abrasion resistance	BS 871 (2500 cycles)	nearly no abrasion measurable <<100 mg	nearly no abrasion measurable <<100 mg
Flame test	-	EN 532/533 complying with index I and II time of afterflaming: 0 sec.	EN 146 material is not afterflaming
Flexibility to low temperatures	ISO 7854, method »B«	at - 30° C: 50 cycles no cracking to be seen on the surface	at - 30° C: 50 cycles no cracking to be seen on the surface

## List of chemicals

Chemical	Penetration time (min) Himex	Penetration time (min) Umex
Acetone	> 480	nt
Ammonia	> 480	nt
Chloric gas	> 480	> 480
Methylenchlorid	> 60	nt
Diethylamine	> 480	nt
Ethyl acetate	> 480	nt
Methanol	> 240	nt
Soda lye 40 %	> 480	> 480
N-octane	> 480	> 180
Triethylamine	nt	
Hydrochloric acid 36 %	> 480	> 45
Sulphuric acid 96 %	> 480	> 30
nitric acid 65 %	> 480	> 4
Tetrahydrofurane	> 480	nt
Toluol	> 480	nt

nt = not tested

# WorkMaster - the following types are available:

Face connecting joint	Ventilation	Boot size	Suit size	Order No.	
				WorkMaster pro	WorkMaster
Face cuff for adaption of separate full mask	without ventilation	43	M	R 53 723	R 53 747
		43	L	R 53 724	R 53 748
		46	XL	R 53 725	R 53 749
		46	XXL	R 53 726	R 53 750
	prepared for installation of ventilation system SU 30 a	43	M	R 53 727	R 53 751
		43	L	R 53 728	R 53 752
		46	XL	R 53 729	R 53 753
		46	XXL	R 53 730	R 53 754
	provided with ventilation system SU 30 a	43	M	R 53 731	R 53 755
		43	L	R 53 732	R 53 756
		46	XL	R 53 733	R 53 757
		46	XXL	R 53 734	R 53 758
Full face mask with positive-pressure outlet (plug-type connection) tightened	prepared for installation of ventilation system SU 30 a	43	M	R 53 735	R 53 759
		43	L	R 53 736	R 53 760
		46	XL	R 53 737	R 53 761
		46	XXL	R 53 738	R 53 762
	provided with ventilation system SU 30 a	43	M	R 53 739	R 53 763
		43	L	R 53 740	R 53 764
		46	XL	R 53 741	R 53 765
		46	XXL	R 53 742	R 53 766
Full face mask with normal pressure knuckle thread connection (RA-connection) tightened	without ventilation	43	M	R 53 743	R 53 767
		43	L	R 53 744	R 53 768
		46	XL	R 53 745	R 53 769
		46	XXL	R 53 746	R 53 770

## Suits are available in following sizes:

M	For heights from 160 up to 175 cm
L	For heights from 170 up to 185 cm
XL	For heights from 180 up to 190 cm
XXL	For heights from 190 up to 200 cm

## The following accessories are available:

Designation	Order No.
Transport bag	R 53 373
Ventilation system SU 30i	R 52 558
PVC ventilation hose (6 m)	11 81 033
Y-piece (3 pieces required)	2M 12 754



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### DrägerService

Dräger equipment must always be fully functional and safe in operation. DrägerService offers a regular inspection service and is rapidly available in the event of malfunction. Your equipment is back in operation on the spot. DrägerService enhances the vital flow of information between client and manufacturer.

### Dräger Expertise

Dräger has had an outstanding reputation for solving problems in the field of human breathing since 1889. Dräger has been constantly involved in the handling of gases, in particular hazard protection, and the saving of life in medical and industrial emergencies.

Many of the company's 8400 employees are active in research and innovation to ensure that the latest techniques and scientific advances are fully tested before their inclusion in equipment.

### Dräger Worldwide

The sales and service organisation is spread throughout the world. It comprises more than 20 subsidiaries and hold companies to ensure that Dräger is always within easy reach of its clients and in close contact with all important markets. Its constantly rising market share underlines the company's international competitiveness and strength. Dräger has subsidiaries in the following countries: Australia, Austria, Belgium, Brazil, Canada, Denmark, France, Great Britain, India, Japan, Netherlands, Norway, Singapore, South Korea, Spain, Sweden, Switzerland, USA. Additionally, Dräger is widely represented in North, Central and South America, Africa, the Middle East, the Far East and Eastern Europe.

The Dräger Quality System has been certified i.a. according to DIN/ISO 9001/EN 46001 and is recognized by numerous German and international organizations.