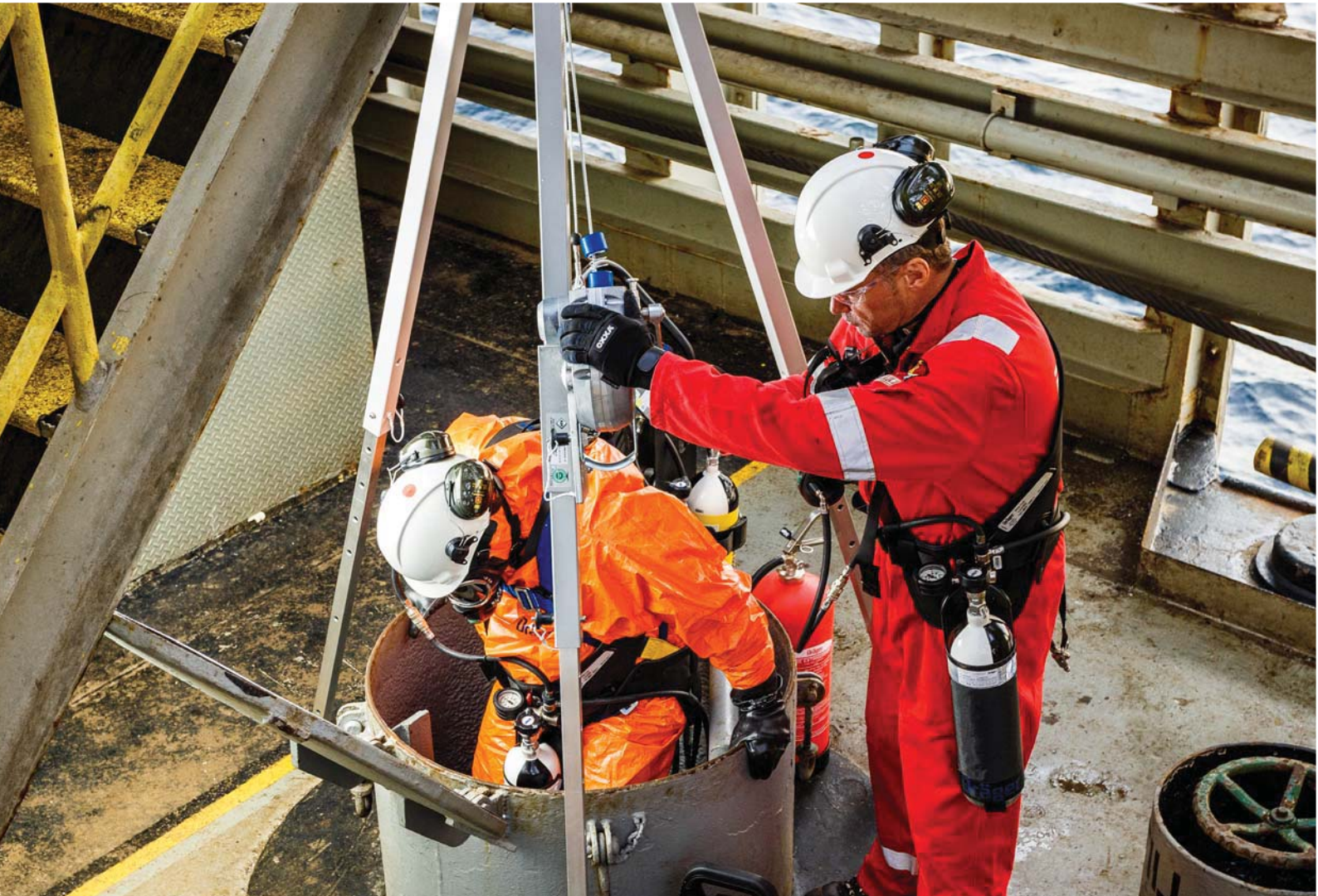


PRODUCT CATALOGUE

► OUR FRS PRODUCTS



Dräger Marine & Offshore has a long history of providing dedicated support to their customers, by supplying a wide range of quality products and services to a global audience for marine and offshore. This approach facilitates a Firefighting, Rescue and Safety (FRS) equipment and service capability from a single source. The Dräger Marine & Offshore organization is built around a proven total care FRS concept.

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Hoogvliet, 2019

Your safety
is our passion.



Supporting your safety culture since 1869 – FRS equipment, training and service from Dräger.



Dräger Powder Extinguisher Composite 6 kgs ABC (stored pressure)



Dräger powder extinguisher composite 6 kgs ABC

Stored pressure

The revolution in portable fire extinguishers: composite extinguishers are the latest development in the quest for durable corrosion resistant and low maintenance extinguishers. The extinguishers have EN3, CE and MED certification and a lifetime of 20 years. Powder extinguishers cover type A, B and C fires.

General description

The red outer HDPE mantle houses a pressure vessel which is manufactured out of HDPE. The valve is supplied in nickel plated brass. Hose clips, squeeze for action handle and carrying handle are supplied in stainless steel. Due to these material and construction choices replacement of the extinguisher caused by corrosion, scratches and dents belong to the past. Resulting into lower lifetime costs. In addition the extinguisher will remain in good condition, offering greater reliability for the user when being deployed in firefighting tasks. These extinguishers are recyclable, reducing waste output at the end of its service life.

ABC Powder

ABC-powder is suitable for fire extinguishing of substances in fire class A (containing carbons), fire class B (flammable liquids) and fire class C (flammable gases). An additional

feature is that the powder is not conductive to electricity. The powder can be used to a maximum voltage of 1000V and at a distance of at least 1 meter.

Applications

These extinguishers are extremely suitable for harsh (outdoor, saline) conditions as found on offshore installations, marine application and moist (production) spaces.

Features

- 10 year manufacturer guarantee
- durable and corrosion resistant
- reliable and ultra-strong composite material
- 100% UV resistant
- $\pm 15\%$ lighter than conventional extinguishers
- cost reducing
- better overview of cost control
- environmentally friendly
- recyclable product

TECHNICAL SPECIFICATIONS

Manufacturer / Model	Britannia / P50PM
Extinguisher	Portable powder fire extinguisher
Type	Stored pressure operated
Capacity	6 kgs
Fire class / Rating	34A/183B
Propellant gas	Nitrogen
Discharge time	20 seconds
Throw length	5 meters
Working pressure	12 bar
Suitable for electrical equipment	Up to 1000 Volt
Extinguishing agent	ABC powder
Temperature range	-20°C to +60°C
Approx gross weight	8.5 kgs
Approx dispatch weight	9 kgs
Approx unit dimension	178 x 570 mm (d x h)
Color	Red (RAL3000)
Approvals	EN3, MED, CE, Rijkskeurmerk 2211

Dräger Powder Extinguisher Composite 6 kgs ABC

ORDER INFORMATION

Description	Unit Sales	Articlenr
Dräger powder extinguisher composite 6 kgs ABC (stored pressure)	1	SG00163
Bracket for composite powder extinguisher	1	SG00335
Cover for fire extinguisher	1	SG00322
GRP storage cabinet: DMO-35	1	SG02030
Polyethylene fire extinguisher cabinet JBWE-70, red door	1	SG02423

Dräger Powder Extinguisher Composite 9 kgs ABC (stored pressure)



Dräger powder extinguisher composite 9 kgs ABC

Stored pressure

The revolution in portable fire extinguishers: composite extinguishers are the latest development in the quest for durable corrosion resistant and low maintenance extinguishers. The extinguishers have EN3, CE and MED certification and a lifetime of 20 years. Powder extinguishers cover type A, B and C fires.

General description

The red outer HDPE mantle houses a pressure vessel which is manufactured out of HDPE. The valve is supplied in nickel plated brass. Hose clips, squeeze for action handle and carrying handle are supplied in stainless steel. Due to these material and construction choices replacement of the extinguisher caused by corrosion, scratches and dents belong to the past. Resulting into lower lifetime costs. In addition the extinguisher will remain in good condition, offering greater reliability for the user when being deployed in firefighting tasks. These extinguishers are recyclable, reducing waste output at the end of its service life.

ABC Powder

ABC-powder is suitable for fire extinguishing of substances in fire class A (containing carbons), fire class B (flammable liquids) and fire class C (flammable gases). An additional

feature is that the powder is not conductive to electricity. The powder can be used to a maximum voltage of 1000V and at a distance of at least 1 meter.

Applications

These extinguishers are extremely suitable for harsh (outdoor, saline) conditions as found on offshore installations, marine application and moist (production) spaces.

Features

- 10 year manufacturer guarantee
- durable and corrosion resistant
- reliable and ultra-strong composite material
- 100% UV resistant
- $\pm 15\%$ lighter than conventional extinguishers
- cost reducing
- better overview of cost control
- environmentally friendly
- recyclable product

TECHNICAL SPECIFICATIONS

Manufacturer / Model	Britannia / P50-9P
Extinguisher	Portable powder fire extinguisher
Type	Stored pressure operated
Capacity	9 kgs
Fire class / Rating	43A/233B
Propellant gas	Nitrogen
Throw length	5 meters
Working pressure	12 bar
Suitable for electrical equipment	Up to 1000 Volt
Extinguishing agent	ABC powder
Temperature range	-20°C to +60°C
Approx gross weight	11.7 kgs
Approx dispatch weight	12.7 kgs
Approx unit dimension	200 x 640 mm (D x H)
Color	Red (RAL3000)
Approvals	EN3, MED, CE, Rijkskeurmerk 2211/01

Dräger Powder Extinguisher Composite 9 kgs ABC

ORDER INFORMATION

Description	Unit Sales	Articlenr
Dräger powder extinguisher composite 9 kgs ABC (stored pressure)	1	SG00164
Bracket for composite powder extinguisher	1	SG00335
Cover for fire extinguisher	1	SG00322
GRP storage cabinet: DMO-35	1	SG02030
Polyethylene fire extinguisher cabinet JBWE-70, red door	1	SG02423

Dräger Powder Extinguisher 6 kgs ABC (cartridge)

The Dräger powder extinguisher is an all-purpose fire extinguisher and is especially suited for flammable liquids and fires involving flammable gases such as methane, propane, hydrogen, natural gas and many others. Dry powder fire extinguishers are recommended for mixed fire environments because they cover type A, B and C fires.



Dräger powder extinguisher 6 kgs ABC
Internal cartridge operated

Applications for marine, inland shipping and offshore market

- open air and deck areas
- engine rooms
- accommodation rooms

Features

- high extinguishing efficiency
- allows intermittent and repeated operation
- large neck ring enables servicing and refilling to be conducted with ease
- diecast zinc colour coded headcap
- quality assured for long service life

- standardized operation and spare parts for all extinguishers of the Britannia line
- equipped with a rechargeable internal pressure cartridge zinc coated
- high quality zinc coated treatment and red polyester coating for excellent protection against corrosion
- to be used with a special marine wall bracket (not included)
- suitable for electrical equipment up to 1000 V, at minimum distance 1 m strike button armature in combination with dosing extinguishing pistol for assured immediately operation

TECHNICAL SPECIFICATIONS

Manufacturer / Model	Britannia / BA6MED
Extinguisher	Portable dry chemical powder fire extinguisher
Type	Internal cartridge operated
Capacity	6 kgs
Fire class / Rating	ABC / 27A / 183B
Propellant gas	Internal CO ₂ cartridge
Discharge time	20 seconds
Throw length	5 meters
Working pressure	12 bar at 20° C
Suitable for electrical equipment	Up to 1000 Volt
Extinguishing agent	ABC dry powder
Temperature range	-20°C to +60°C
Approx gross weight	11.3 kgs
Approx dispatch weight	12.3 kgs
Approx unit dimension	165 x 525 mm (w x h)
Color	Red (RAL3000)
Approvals	DIN EN3 & CE 0036, MED, BS EN 3

ORDER INFORMATION

Description	Unit Sales	Articlenr
Dräger powder extinguisher 6 kgs ABC (cartridge)	1	SG00152
Marine bracket for powder extinguisher 6 kgs, including strap	1	SG00334
Cover for fire extinguisher	1	SG00322
GRP storage cabinet: DMO-35	1	SG02030
Polyethylene fire extinguisher cabinet JBWE-70, red door	1	SG02423
Brittania CO ₂ cartridge 115 gr	1	SG00402
Refill 6 kgs ABC powder	1	16120006

Dräger Powder Extinguisher 9 kgs ABC (cartridge)

The Dräger powder extinguisher is an all-purpose fire extinguisher and is especially suited for flammable liquids and fires involving flammable gases such as methane, propane, hydrogen, natural gas and many others. Dry powder fire extinguishers are recommended for mixed fire environments because they cover type A, B and C fires.



Dräger powder extinguisher 9 kgs ABC
Internal cartridge operated

Applications for marine, inland shipping and offshore market

- open air and deck areas
- engine rooms
- accommodation rooms

Features

- high extinguishing efficiency
- allows intermittent and repeated operation
- large neck ring enables servicing and refilling to be conducted with ease
- diecast zinc colour coded headcap
- Quality assured for long service life

- standardized operation and spare parts for all extinguishers of the Britannia line
- equipped with a rechargeable internal pressure cartridge zinc coated
- high quality surface treatment and red polyester coating for excellent protection against corrosion
- to be used with a special marine wall bracket (not included)
- suitable for electrical equipment up to 1000 V, at minimum distance 1 m strike button armature in combination with dosing extinguishing pistol for assured immediately operation

TECHNICAL SPECIFICATIONS

Manufacturer / Model	Britannia / BA9MED
Extinguisher	Portable dry chemical powder fire extinguisher
Type	Internal cartridge operated
Capacity	9 kgs
Fire class / Rating	ABC / 34A 233B
Propellant gas	Internal CO ₂ cartridge
Discharge time	26 seconds
Throw length	7 meters
Working pressure	12 bar at 20°C
Suitable for electrical equipment	Up to 1000 Volt
Extinguishing agent	ABC dry powder
Temperature range	-20°C to +60°C
Approx gross weight	15.4 kgs
Approx dispatch weight	16.4 kgs
Approx unit dimension	190 x 570 mm (w x h)
Color	Red (RAL3000)
Approvals	DIN EN3 & CE 0036, MED, BS EN 3

ORDER INFORMATION

Description	Unit Sales	Articlenr
Dräger powder extinguisher 9 kgs ABC (cartridge)	1	SG00153
Marine bracket for powder extinguisher 9 kgs, including strap	1	SG00334
Cover for fire extinguisher	1	SG00322
GRP storage cabinet: DMO-35	1	SG02030
Polyethylene fire extinguisher cabinet JBXF-83, red door	1	SG02432
Britannia CO ₂ cartridge 150 gr	1	SG00403
Refill 9 kgs ABC powder, per 6 kgs	1	16120006

Dräger Powder Extinguisher 12 kgs ABC (cartridge)

The Dräger powder extinguisher is an all-purpose fire extinguisher and is especially suited for flammable liquids and fires involving flammable gases such as methane, propane, hydrogen, natural gas and many others. Dry powder fire extinguishers are recommended for mixed fire environments because they cover type A, B and C fires.



Dräger powder extinguisher 12 kgs ABC
Internal cartridge operated

Applications for marine, inland shipping and offshore market

- open air and deck areas
- engine rooms
- accommodation rooms

Features

- high extinguishing efficiency
- allows intermittent and repeated operation
- large neck ring enables servicing and refilling to be conducted with ease
- diecast zinc colour coded headcap
- quality assured for long service life

- standardized operation and spare parts for all extinguishers of the Britannia line
- equipped with a rechargeable internal pressure cartridge zinc coated
- high quality zinc coated treatment and red polyester coating for excellent protection against corrosion
- to be used with a special marine wall bracket (not included)
- suitable for electrical equipment up to 1000 V, at minimum distance 1 m strike button armature in combination with dosing extinguishing pistol for assured immediately operation

TECHNICAL SPECIFICATIONS

Manufacturer / Model	Britannia / BA12MED
Extinguisher	Portable dry chemical powder fire extinguisher
Type	Internal cartridge operated
Capacity	12 kgs
Fire class / Rating	ABC / 43A 233B
Propellant gas	Internal CO ₂ cartridge
Discharge time	34 seconds
Throw length	7 meters
Working pressure	12 bar at 20°C
Suitable for electrical equipment	Up to 1000 Volt
Extinguishing agent	ABC Dry powder
Temperature range	-20°C to +60°C
Approx gross weight	18.7 kgs
Approx dispatch weight	19.7 kgs
Approx unit dimension	190 x 600 mm (w x h)
Color	Red (RAL3000)
Approvals	DIN EN3 & CE 0036, MED, BS EN 3

ORDER INFORMATION

Description	Unit Sales	Articlenr
Dräger powder extinguisher 12 kgs ABC (cartridge)	1	SG00154
Marine bracket for powder extinguisher 12 kgs, including strap	1	SG00334
Cover for fire extinguisher	1	SG00322
GRP storage cabinet: DMO-35	1	SG02030
Polyethylen fire extinguisher cabinet JBXF-83, red door	1	SG02432
2 x refill 6 kgs ABC powder	1	16120006
Britannia CO ₂ cartridge 150 gr	1	SG00403

Dräger Powder Extinguisher 2 kgs ABC (stored pressure)

This powder extinguisher is very effective in fuel fires, making these powder extinguishers extremely suitable for the car. The extinguishers can be used universally for burning solids, burning fluid and burning gas. Both high and low temperature applications are possible. Also extinguishing operating electrical equipment does not pose any danger.



Dräger powder extinguisher 2 kgs ABC
Stored pressure

ABC Powder

ABC-powder is suitable for fire extinguishing of substances in fire class A (containing carbons), fire class B (flammable liquids) and fire class C (flammable gases). An additional feature is that the powder is not conductive to electricity. The powder can be used to a maximum voltage of 1000V and at a distance of at least 1 meter.

Applications

These extinguishers are extremely suitable for harsh (outdoor, saline) conditions as found on offshore installations, marine application and moist (production) spaces.

Features

- High rating
- Squeeze grip design for enhanced discharge control
- Safety relief valve
- Impact resistant plastic foot ring
- Full epoxy polyester coated steel shell for high corrosion protection
- Ergonomic design of discharge nozzle
- Includes a robust transport bracket
- Pressure gauge, impact resistant
- Large diameter neck ring for easy inspection
- Tested for safe use on electrical equipment up to 1000V at a distance of 1 meter

TECHNICAL SPECIFICATIONS

Manufacturer / Model	Moyne Roberts / MP2
Extinguisher	Portable powder fire extinguisher
Type	Stored pressure operated
Capacity	2 kgs
Fire class / Rating	13A/70B/C
Propellant gas	Nitrogen
Discharge time	10 seconds
Throw length	4 to 5 meters
Working pressure	13.5 bar at 20°C
Suitable for electrical equipment	Up to 1000 Volt
Extinguishing agent	ABC powder
Temperature range	-30°C to +60°C
Weight	3.8 kgs
Approx unit dimension	124 x 380 mm (d x h)
Color	Red (RAL3000)
Approvals	EN3, MED, CE, Rijkskeurmerk 1818

ORDER INFORMATION

Description	Unit Sales	Articlenr
Dräger 2 kgs ABC powder extinguisher (stored pressure)	1	SG00102

Dräger Powder Extinguisher 6 kgs ABC (stored pressure)

The Dräger powder extinguisher is an all-purpose fire extinguisher and is especially suited for flammable liquids and fires involving flammable gases such as methane, propane, hydrogen, natural gas and many others. Dry powder fire extinguishers are recommended for mixed fire environments because they cover type A, B and C fires.



Dräger powder extinguisher 6 kgs ABC
Stored pressure

Applications for marine, inland shipping and offshore market

- manifolds
- open air and deck areas
- engine rooms
- accommodation rooms

Features

- high extinguishing efficiency
- allows intermittent and repeated operation
- brass valve and internal parts for longer serviceability

- equipped with a hose and plastic nozzle for high maneuverability
- pressure gauge for instant pressure indication available
- pressure check valve equipped
- high quality surface treatment and red polyester coating for excellent protection against corrosion
- to be used with a special marine wall bracket (not included)
- suitable for electrical equipment up to 1000 V, at minimum distance 1 meter

TECHNICAL SPECIFICATIONS

Manufacturer / Model	Bavaria / VOLE-X-P 6
Extinguisher	Portable dry chemical powder fire extinguisher
Type	Stored pressure operated
Capacity	6 kgs
Fire class / Rating	ABC / 34A 183B C
Propellant gas	Nitrogen
Discharge time	15 seconds
Throw length	6 meters
Working pressure	15 bar at 20 °C
Suitable for electrical equipment	Up to 1000 Volt
Extinguishing agent	Ammonia Bicarbonate
Temperature range	-30°C to +60°C
Approx gross weight	9.6 kgs
Approx dispatch weight	10.2 kgs
Approx unit dimension	240 x 155 x 520 mm (l x w x h)
Color	Red (RAL3000)
Approvals	DIN EN3 & CE 0036 MED

ORDER INFORMATION

Description	Unit Sales	Article nr
Dräger powder extinguisher 6 kgs ABC (stored pressure)	1	SG00103
Marine bracket for powder extinguisher 6 kgs, including strap	1	SG00334
Cover for fire extinguisher	1	SG00322
GRP storage cabinet: DMO-35	1	SG02030
Polyethylene fire extinguisher cabinet JBWE-70, red door	1	SG02423
Refill 6 kgs ABC powder	1	16120006

Dräger Powder Extinguisher 9 kgs ABC (stored pressure)

The Dräger powder extinguisher is an all-purpose fire extinguisher and is especially suited for flammable liquids and fires involving flammable gases such as methane, propane, hydrogen, natural gas and many others. Dry powder fire extinguishers are recommended for mixed fire environments because they cover type A, B and C fires.



Dräger powder extinguisher 9 kgs ABC
Stored pressure

Applications for marine, inland shipping and offshore market

- manifolds
- open air and deck areas
- engine rooms
- accommodation rooms

Features

- high extinguishing efficiency
- allows intermittent and repeated operation
- brass valve and internal parts for longer serviceability

- equipped with a hose and plastic nozzle for high maneuverability
- pressure gauge for instant pressure indication available
- pressure check valve equipped
- high quality surface treatment and red polyester coating for excellent protection against corrosion
- to be used with a special marine wall bracket (not included)
- suitable for electrical equipment up to 1000 V, at minimum distance 1 meter

TECHNICAL SPECIFICATIONS

Manufacturer / Model	Bavaria / VOLE-X-P 9
Extinguisher	Portable dry chemical powder fire extinguisher
Type	Stored pressure operated
Capacity	9 kgs
Fire class / Rating	ABC / 43A 233B C
Propellant gas	Nitrogen
Discharge time	17 seconds
Throw length	6 meters
Working pressure	15 bar
Suitable for electrical equipment	Up to 1000 Volt
Extinguishing agent	ABC-Powder BAVEX
Temperature range	-30°C to +60°C
Approx gross weight	13.5 kgs
Approx dispatch weight	14.2 kgs
Approx unit dimension	240 x 190 x 525 mm (l x w x h)
Color	Red (RAL3000)
Approvals	DIN EN3 & CE 0036 MED

ORDER INFORMATION

Description	Unit Sales	Articlenr
Dräger powder extinguisher 9 kgs ABC (stored pressure)	1	SG00173
Marine bracket for powder extinguisher 9 kgs, including strap	1	SG00334
Cover for fire extinguisher	1	SG00322
GRP storage cabinet: DMO-35	1	SG02030
Polyethylene fire extinguisher cabinet JBXF-83, red door	1	SG02432

Dräger Powder Extinguisher 12 kgs ABC (stored pressure)

The Dräger powder extinguisher is an all-purpose fire extinguisher and is especially suited for flammable liquids and fires involving flammable gases such as methane, propane, hydrogen, natural gas and many others. Dry powder fire extinguishers are recommended for mixed fire environments because they cover type A, B and C fires.



Applications for marine, inland shipping and offshore market

- manifolds
- open air and deck areas
- engine rooms
- accommodation rooms

Features

- high extinguishing efficiency
- allows intermittent and repeated operation
- brass valve and internal parts for longer serviceability

- equipped with a hose and plastic nozzle for high maneuverability
- pressure gauge for instant pressure indication available
- pressure check valve equipped
- high quality surface treatment and red polyester coating for excellent protection against corrosion
- to be used with a special marine wall bracket (not included)
- suitable for electrical equipment up to 1000 V, at minimum distance 1 meter

Dräger powder extinguisher 12 kgs ABC
Stored pressure

TECHNICAL SPECIFICATIONS

Manufacturer / Model	Bavaria / VOLE X-P 12
Extinguisher	Portable dry chemical powder fire extinguisher
Type	Stored pressure operated
Capacity	12 kgs
Fire class / Rating	ABC / 55A 233B C
Propellant gas	Nitrogen
Discharge time	21 seconds
Throw length	6 - 7 meters
Working pressure	15 bar
Suitable for electrical equipment	Up to 1000 Volt
Extinguishing agent	ABC-Powder BAVEX
Temperature range	-30°C to +60°C
Approx gross weight	16.8 kgs
Approx dispatch weight	17.6 kgs
Approx unit dimension	240 x 190 x 595 mm (l x w x h)
Color	Red (RAL3000)
Approvals	DIN EN3 & CE 0036 Rijkskeurmerk MED

Dräger Powder Extinguisher 12 kgs ABC (stored pressure)

ORDER INFORMATION

Description	Unit Sales	Articlenr
Dräger powder extinguisher 12 kgs ABC (stored pressure)	1	SG00105
Marine bracket for powder extinguisher 12 kgs, including strap	1	SG00334
Cover for fire extinguisher	1	SG00322
GRP storage cabinet: DMO-35	1	SG02030
Polyethylen fire extinguisher cabinet JBXF-83, red door	1	SG02432
Polyethylen fire extinguisher cabinet JBDE-85, red door	1	SG02436
2 x refill 6 kgs ABC powder	1	16120006

Dräger CO₂ Extinguisher 2 kg B

The CO₂ extinguisher is effective in fighting flammable liquids and electric fires. Carbon dioxide extinguisher works by suffocating the fire. Carbon dioxide displaces oxygen in the air. The extinguishing agent leaves no residue behind when used. CO₂ extinguishers cover type B fires.



Applications for the marine, inland shipping and offshore market

- electrical switch boards
- bridge
- welding areas

Features

- carbon dioxide is a clean agent that leaves no traces, thus ideal for fighting fires involving electronic & hi-tech equipment

- allows intermittent and repeated operation
- equipped with a brass valve head complete with an overpressure safety valve
- equipped with a squeeze-type valve, conical snow horn, and carrying handle
- high quality surface treatment and red polyester coating
- a flat wall mounting bracket is included

Dräger CO₂ extinguisher, 2 kgs

In fighting flammable liquids and electric fires

TECHNICAL SPECIFICATIONS

Manufacturer / Model	Bavaria / Col X-K 2
Extinguisher	Portable CO ₂ Fire Extinguisher
Type	Stored pressure operated
Capacity	2 kgs
Fire class / Rating	34B
Propellant gas	CO ₂
Discharge time	approx. 8 seconds
Throw length	3 - 4 meters
Working pressure	65 bar
Suitable for electrical equipment	Up to 1000 Volt
Extinguishing agent	CO ₂
Temperature range	-30°C to +60°C
Approx gross weight	7.1 kgs
Approx dispatch weight	8.1 kgs
Approx unit dimension	250 x 110 x 550 mm (l x w x h)
Color	Red, 100% polyester coating
Approvals	DIN/EN3 MED

ORDER INFORMATION

Description	Unit Sales	Article nr
Dräger CO ₂ extinguisher 2 kg B, including a flat wall mounting bracket	1	SG00141
Marine bracket for CO ₂ extinguisher 2 kgs, including strap	1	SG00338
Cover for fire extinguisher	1	SG00322
GRP storage cabinet: DMO-35	1	SG02030
Polyethylene fire extinguisher cabinet JBXF-83, red door	1	SG02432
Spray and hose: 2 kgs CO ₂	1	SG00382

Dräger CO₂ Extinguisher 5 kgs B

The CO₂ extinguisher is effective in fighting flammable liquids and electric fires. Carbon dioxide extinguisher works by suffocating the fire. Carbon dioxide displaces oxygen in the air. The extinguishing agent leaves no residue behind when used. CO₂ extinguishers cover type B fires.



Applications for the marine, inland shipping and offshore market

- electrical switch boards
- bridge
- welding areas

Features

- carbon dioxide is a clean agent that leaves no traces, thus ideal for fighting fires involving electronic & hi-tech equipment

- allows intermittent and repeated operation
- equipped with a brass valve head complete with an overpressure safety valve
- equipped with a squeeze-type valve, conical snow horn, and carrying handle
- high quality surface treatment and red polyester coating
- to be used with a special marine wall bracket (not included)

Dräger CO₂ extinguisher 5 kgs B

Designed for marine use

TECHNICAL SPECIFICATIONS

Manufacturer / Model	Bavaria / COL X-K
Extinguisher	Portable CO ₂ Fire Extinguisher
Type	Stored pressure operated
Capacity	5 kgs
Fire class / Rating	89B
Propellant gas	CO ₂
Discharge time	15 seconds
Throw length	4 meters
Working pressure	65 bar
Suitable for electrical equipment	Up to 1000 Volt
Extinguishing agent	CO ₂
Temperature range	-30°C to +60°C
Approx gross weight	14.2 kgs
Approx dispatch weight	14.7 kgs
Approx unit dimension	260 x 140 x 690 mm (l x w x h)
Color	Red (RAL3000)
Approvals	DIN EN3 & CE 0036 MED

ORDER INFORMATION

Description	Unit Sales	Articlenr
Dräger CO ₂ extinguisher 5 kgs B	1	SG00142
Marine bracket for CO ₂ 5 kgs	1	SG00337
Cover for fire extinguisher	1	SG00322
GRP storage cabinet: DMO-35	1	SG02030
Polyethylene fire extinguisher cabinet JBXF-83, red door	1	SG02432
Spray + hose: 5 kgs CO ₂	1	SG00383

Dräger Foam Extinguisher Composite 6 liter AB (stored pressure)



Dräger foam extinguisher composite 6 liter AB
Stored pressure

The revolution in portable fire extinguishers: composite extinguishers are the latest development in the quest for durable corrosion resistant and low maintenance extinguishers. The extinguishers have EN3, CE and MED certification and a lifetime of 20 years. Another unique feature: the extinguishing medium in these units needs to be replaced every 10 years as per manufacturer specification. Foam extinguishers cover type A and B fires.

General description

The red outer HDPE mantle houses a pressure vessel which is manufactured out of HDPE. The valve is supplied in nickel plated brass. Hose clips, squeeze for action handle and carrying handle are supplied in stainless steel. Due to these material and construction choices replacement of the extinguisher caused by corrosion, scratches and dents belong to the past. Resulting into lower lifetime costs. In addition the extinguisher will remain in good condition, offering greater reliability for the user when being deployed in firefighting tasks. These extinguishers are recyclable, reducing waste output at the end of its service life.

AB foam

AB foam is suitable for fire extinguishing of substances in fire class A (containing carbons) and fire class B (flammable liquids). An additional feature is that the foam is not

conductive to electricity. The foam can be used to a maximum voltage of 1000 V and at a distance of at least 1 meter.

Applications

These extinguishers are extremely suitable for harsh (outdoor, saline) conditions as found on offshore installations, marine application and moist (production) spaces.

Features

- 10 year manufacturer guarantee
- replacement of foam once every 10 years
- durable and corrosion resistant
- reliable and ultra-strong composite material
- 100% UV resistant
- ± 15% lighter than conventional extinguishers
- cost reducing
- better overview of cost control
- environmentally friendly
- recyclable product

TECHNICAL SPECIFICATIONS

Manufacturer / Model	Britannia / P50FM
Extinguisher	Portable foam fire extinguisher
Type	Stored pressure operated
Capacity	6 liter
Fire class / Rating	27A/183B
Propellant gas	Nitrogen
Discharge time	40 seconds
Throw length	4 meters
Working pressure	12 bar
Suitable for electrical equipment	Up to 1000 Volt
Extinguishing agent	Foam
Temperature range	+5°C to +60°C
Approx gross weight	8.5 kgs
Approx dispatch weight	9 kgs
Approx unit dimension	178 x 570 mm (d x h)
Color	Red (RAL3000)
Approvals	EN3, MED, CE, Rijskskeurmerk 2212

Dräger Foam Extinguisher Composite 6 liter AB

ORDER INFORMATION

Description	Unit Sales	Articlenr
Dräger foam extinguisher composite 6 liter AB (stored pressure)	1	SG00167
Bracket for composite powder extinguisher	1	SG00335
Cover for fire extinguisher	1	SG00322
GRP storage cabinet: DMO-35	1	SG02030
Polyethylene fire extinguisher cabinet JBWE-70, red door	1	SG02423

Dräger Foam Extinguisher Composite 9 liter AB (stored pressure)



Dräger foam extinguisher composite 9 liter AB

Stored pressure

The revolution in portable fire extinguishers: composite extinguishers are the latest development in the quest for durable corrosion resistant and low maintenance extinguishers. The extinguishers have EN3, CE and MED certification and a lifetime of 20 years. Another unique feature: the extinguishing medium in these units needs to be replaced every 10 years as per manufacturer specification. Foam extinguishers cover type A and B fires.

General description

The red outer HDPE mantle houses a pressure vessel which is manufactured out of HDPE. The valve is supplied in nickel plated brass. Hose clips, squeeze for action handle and carrying handle are supplied in stainless steel. Due to these material and construction choices replacement of the extinguisher caused by corrosion, scratches and dents belong to the past. Resulting into lower lifetime costs. In addition the extinguisher will remain in good condition, offering greater reliability for the user when being deployed in firefighting tasks. These extinguishers are recyclable, reducing waste output at the end of its service life.

AB foam

AB foam is suitable for fire extinguishing of substances in fire class A (containing carbons) and fire class B (flammable liquids). An additional feature is that the foam is not

conductive to electricity. The foam can be used to a maximum voltage of 1000 V and at a distance of at least 1 meter.

Applications

These extinguishers are extremely suitable for harsh (outdoor, saline) conditions as found on offshore installations, marine application and moist (production) spaces.

Features

- 10 year manufacturer guarantee
- replacement of foam once every 10 years
- durable and corrosion resistant
- reliable and ultra-strong composite material
- 100% UV resistant
- ± 15% lighter than conventional extinguishers
- cost reducing
- better overview of cost control
- environmentally friendly
- recyclable product

TECHNICAL SPECIFICATIONS

Manufacturer / Model	Britannia / P50-9F
Extinguisher	Portable foam fire extinguisher
Type	Stored pressure operated
Capacity	9 liter
Fire class / Rating	34A/183B
Propellant gas	Nitrogen
Discharge time	49 seconds
Throw length	7 meters
Working pressure	12 bar
Suitable for electrical equipment	Up to 1000 Volt
Extinguishing agent	Foam
Temperature range	+5°C to +60°C
Approx gross weight	11.7 kgs
Approx dispatch weight	12.7 kgs
Approx unit dimension	640 x 210 mm (H x D)
Color	Red (RAL3000)
Approvals	EN3, MED, CE, Rijskskeurmerk 2212/01

Dräger Foam Extinguisher Composite 9 liter AB

ORDER INFORMATION

Description	Unit Sales	Articlenr
Dräger foam extinguisher composite 9 liter AB (stored pressure)	1	SG00168
Bracket for composite powder extinguisher	1	SG00335
Cover for fire extinguisher	1	SG00322
GRP storage cabinet: DMO-35	1	SG02030
Polyethylene fire extinguisher cabinet JBWE-70, red door	1	SG02423

Dräger Foam Extinguisher 9 liter AB (cartridge)

The Dräger foam extinguisher is a multipurpose fire extinguisher that can be used in burning liquids and solids. The Aqueous Film Forming Foam (AFFF) additive is a blend of perfluorinated and hydrocarbon surfactants. It enables the formation of an aqueous film capable of spreading on the surface of burning fuels, which prevents vapour production and seals the surface from oxygen. Foam extinguishers cover type A and B fires.



Dräger foam extinguisher 9 liter
Internal cartridge operated

Applications for the marine, inland shipping and offshore market

- engine rooms
- accommodation rooms

Features

- diecast zinc colour coded head cap
- large neck ring enables servicing and refilling to be conducted with ease
- high extinguishing efficiency
- allows intermittent and repeated operation
- designed with an aluminium alloy head with an overpressure mechanical safety valve
- equipped with a rechargeable internal pressure cartridge

- an AFFF charge is enclosed in a separate internal cartridge, that instantly mixes with the water only at operation
- internally coated with special protective polymer lining, affording full protection against corrosion
- operated with a high pressure rubber hose and pistol for high maneuverability and control
- heat and electricity-isolated operation pistol and corrosion-proof base
- high quality surface treatment and red polyester coating
- to be used with a special marine wall bracket (not included)
- suitable for electrical equipment up to 1000 V, at minimum distance of 1 meter

TECHNICAL SPECIFICATIONS

Manufacturer / Model	Britannia / BAF9MED
Extinguisher	Portable Foam Fire Extinguisher
Type	Internal cartridge operated
Capacity	9 liter
Fire class / Rating	AB / 13A 183B
Propellant gas	CO ₂
Discharge time	49 seconds
Throw length	4 meters
Working pressure	12 bar
Suitable for electrical equipment	Up to 1000V, min. distance 1m
Extinguishing agent	AFFF foam
Temperature range	+5°C to 60°C
Approx gross weight	15.7 kgs
Approx dispatch weight	16.7 kgs
Approx unit dimension	300 x 190 x 570 mm (l x w x h)
Color	Red (RAL3000)
Approvals	DIN EN3 & CE 0036, MED

Dräger Foam Extinguisher 9 liter AB (cartridge)

ORDER INFORMATION

Description	Unit Sales	Articlenr
Dräger foam extinguisher, 9 liter AB (cartridge)	1	SG00157
Marine bracket for foam extinguisher 9 kgs, including strap	1	SG00334
Cover for fire extinguisher	1	SG00322
GRP storage cabinet: DMO-35	1	SG02030
Polyethylene fire extinguisher cabinet JBXF-83, red door	1	SG02432
Britannia CO ₂ Cartridge 75 gr	1	SG00401
Refill for Foam Extinghuiser 9 liter	1	SG01843

Dräger Foam Extinguisher 6 liter AB (stored pressure)

The Dräger foam extinguisher is a multipurpose fire extinguisher that can be used in burning liquids and solids. The Aqueous Film Forming Foam (AFFF) additive is a blend of perfluorinated and hydrocarbon surfactants. It enables the formation of an aqueous film capable of spreading on the surface of burning fuels, which prevents vapour production and seals the surface from oxygen. Foam extinguishers cover type A and B fires.



Dräger 6 liter foam extinguisher
Stored pressure operated

Applications for the marine, inland shipping and offshore market

- engine rooms
- accommodation rooms

Features

- high extinguishing efficiency
- allows intermittent and repeated operation
- chrome-plated brass valve and internal parts for longer serviceability
- pressure gauge for instant pressure indication available

- pressure check valve equipped
- internally coated with special protective polymer lining, affording full protection against corrosion
- high quality surface treatment and red polyester coating for excellent protection against corrosion
- to be used with a special marine wall bracket (not included)
- suitable for electrical equipment up to 1000 V, at minimum distance of 1 meter

TECHNICAL SPECIFICATIONS

Manufacturer / Model	Bavaria / SORA X-S
Extinguisher	Portable Foam Fire Extinguisher
Type	Stored pressure operated
Capacity	6 liter
Fire class / Rating	AB / 27A 144B
Propellant gas	Nitrogen
Discharge time	22 seconds
Throw length	5 meters
Working pressure	15 bar
Suitable for electrical equipment	Up to 1000 Volt
Extinguishing agent	Water + Foam AFFF
Temperature range	0°C to +60°C
Approx gross weight	10.3 kgs
Approx dispatch weight	10.8 kgs
Approx unit dimension	240 x 155 x 595 mm (l x w x h)
Color	Red (RAL3000)
Approvals	DIN EN3 & CE 0036 MED

ORDER INFORMATION

Description	Unit Sales	Article nr
Dräger foam extinguisher 6 liter AB (stored pressure)	1	01121006
Marine bracket for foam extinguisher 6 liter, including strap	1	SG00334
Cover for fire extinguisher	1	SG00322
GRP storage cabinet: DMO-35	1	SG02030
Polyethylene fire extinguisher cabinet JBWE-70, red door	1	SG02423

Dräger Foam Extinguisher 9 liter AB (stored pressure)

The Dräger foam extinguisher is a multipurpose fire extinguisher that can be used in burning liquids and solids. The Aqueous Film Forming Foam (AFFF) additive is a blend of perfluorinated and hydrocarbon surfactants. It enables the formation of an aqueous film capable of spreading on the surface of burning fuels, which prevents vapour production and seals the surface from oxygen. Foam extinguishers cover type A and B fires.



Applications for the marine, inland shipping and offshore market

- engine rooms
- accommodation rooms

Features

- high extinguishing efficiency
- allows intermittent and repeated operation
- chrome-plated brass valve and internal parts for longer serviceability
- pressure gauge for instant pressure indication available

- pressure check valve equipped
- internally coated with special protective polymer lining, affording full protection against corrosion
- high quality surface treatment and red polyester coating for excellent protection against corrosion
- to be used with a special marine wall bracket (not included)
- suitable for electrical equipment up to 1000 V, at minimum distance of 1 meter

Dräger 9 liter foam extinguisher

Stored pressure operated

TECHNICAL SPECIFICATIONS

Manufacturer / Model	Bavaria / SORA X-S
Extinguisher	Portable Foam Fire Extinguisher
Type	Stored pressure operated
Capacity	9 liter
Fire class / Rating	AB / 27A 183B
Propellant gas	Nitrogen
Discharge time	24 seconds
Throw length	5 meters
Working pressure	15 bar
Suitable for electrical equipment	Up to 1000 Volt
Extinguishing agent	Water + Foam AFFF
Temperature range	0°C to +60°C
Approx gross weight	14.3 kgs
Approx dispatch weight	14.9 kgs
Approx unit dimension	250 x 190 x 610 mm (l x w x h)
Color	Red (RAL3000)
Approvals	DIN EN3 & CE 0036 MED

ORDER INFORMATION

Description	Unit Sales	Article number
Dräger foam extinguisher 9 liter AB (stored pressure)	1	SG00107
Marine bracket for foam extinguisher 9 liter, including strap	1	SG00334
Cover for fire extinguisher	1	SG00322
Polyethylene fire extinguisher cabinet JBXF-83, red door	1	SG02432
GRP storage cabinet: DMO-35	1	SG02030

Amerex Watermist Extinguisher 9 liter A (stored pressure)

By the misty effect of the watermist extinguisher, a low electrical conductivity appears which makes extinguishing of electricity fires possible. By the unique cloud radius, there is a very adequate extinguishing with very low collateral damage for Class A fires (solids).



Applications for the marine, inland shipping and offshore market

- kitchens
- accommodation rooms

Features

- stainless steel body, painted red and non-magnetic
- brass valve with a protective layer of chromium

- stainless steel handle
- by high quality long life construction
- fire lance with specially developed nozzle
- filled with distilled water
- very fine water mist for quick extinguishing with a very low collateral damage
- the specially developed nozzle extinguish a very fine watermist which is being produced by cooling and eliminating oxygen
- small bracket included

Amerex watermist extinguisher 9 liter A (stored pressure)

Very low collateral damage for Class A fires

TECHNICAL SPECIFICATIONS

Manufacturer / Model	Amerex / 272
Extinguisher	Distilled water
Type	Stored pressure
Capacity	9 liter
Fire class / Rating	13A
Propellant gas	Nitrogen
Discharge time	80 seconds
Throw length	4 meters
Working pressure	6.9 bar
Suitable for electrical equipment	Up to 35 KV
Extinguishing agent	De-ionized water
Temperature range	5°C to 60°C
Approx gross weight	11.9 kgs
Approx dispatch weight	12.9 kgs
Approx unit dimension	356 x 178 x 627 mm (l x w x h)
Color	Red
Approvals	CE / BS-EN3 / NL MED

ORDER INFORMATION

Description	Unit Sales	Article nr
Amerex watermist extinguisher 9 liter A (stored pressure)	1	SG00192
Cover for fire extinguisher with logo	1	SG00322
GRP storage cabinet: DMO-35	1	SG02030
Polyethylen fire extinguisher cabinet JBXF-83, red door	1	SG02432

Britannia Water Extinguisher 9 liter A (cartridge)

Water Extinguishers are suitable for class A fires caused by the combustion of solid materials, mainly of organic origin, such as: wood, paper, straw, textiles, coal etc. General-purpose extinguisher.



Applications for the marine, inland shipping and offshore market

- kitchens
- accommodation rooms

Features

- die cast zinc colour coded headcap
- large neck ring enables servicing, refilling and internal inspection to be conducted with ease

- 55 gram CO2 cartridge
- all weather service indicator studs
- additional anti-corrosion treatment available
- high quality internal polythene lining to protect against corrosion
- frost protection to -10°C is available

Britannia Water Extinguisher
9 liter A (cartridge)

TECHNICAL SPECIFICATIONS

Manufacturer / Model	Britannia / BW9MED
Extinguisher	Water
Type	Internal cartridge
Capacity	9 liter
Fire class / Rating	21A
Discharge time	67 seconds
Throw length	6 meters
Working pressure	12 bar
Suitable for electrical equipment	No
Extinguishing agent	Water
Temperature range	+5°C to +60°C
Approx gross weight	15.5 kgs
Approx dispatch weight	16.5 kgs
Approx unit dimension	568 x 190 x 570 mm (l x w x h)
Color	Red RAL3000 UV protection
Approvals	DIN EN3 & CE 0036, MED

ORDER INFORMATION

Description	Unit Sales	Articlenr
Britannia Water Extinguisher 9 liter A (cartridge)	1	SG00182
Cover for fire extinguisher with logo	1	SG00322
GRP storage cabinet: DMO-35	1	SG02030
Polyethylene fire extinguisher cabinet JBXF-83, red door	1	SG02432

Amerex Wet Chemical Extinguisher 6 liter AF (stored pressure)

Wet chemical extinguishers are the best restaurant kitchen appliance hand portable fire extinguishers you can purchase. Each model has been tested and approved for the Class K listing by UL specifically for restaurant kitchen hazards. They contain a special potassium acetate based agent. Wet chemical extinguishers cover type A and F fires.



Amerex wet chemical extinguisher 6 liter AF
Excellent for use on all cooking appliances

Applications for the marine, inland shipping and offshore market

- kitchens
- accommodation rooms

The recent trend to more efficient cooking appliances and use of unsaturated cooking oils dictates the use of a hand portable fire extinguisher with greater fire fighting capacity and cooling effect to combat these very hot and difficult fires.

Features

- all metal valve construction
- swivel connection on hose allows nozzle to be oriented for proper use

- nozzle grip design with 45° angle for easy "overhead" application
- low PH agent discharged as fine mist helps prevent grease splash and re-flash while cooling the appliance
- precise extinguishing agent application - no dry chemical to clean up
- excellent for use on all cooking appliances including solid fuel charbroilers
- tested on commercial deep fat fryers to ANSI / UL 711 test protocol and safe to use on Class C fires
- class 2A rated to meet fire code occupancy hazard requirements
- bar Coded and Bi-lingual Labels

TECHNICAL SPECIFICATIONS

Manufacturer / Model	Amerex / B260
Extinguisher	Wet Chemical
Type	Stored pressure
Capacity	6 liter
Fire class / Rating	13A / 75F
Propellant gas	Nitrogen
Discharge time	53 seconds
Throw length	3 - 4 meters
Working pressure	6.9 bar
Suitable for electrical equipment	Up to 35 KV
Extinguishing agent	Potassium acetate solution
Temperature range	0°C to +60°C
Approx gross weight	9.6 kgs
Approx dispatch weight	10.6 kgs
Approx unit dimension	483 x 229 x 178 mm (l x w x h)
Color	Red
Approvals	CE, BS-EN3

ORDER INFORMATION

Description	Unit Sales	Article nr
Amerex wet chemical extinguisher 6 liter AF (stored pressure)	1	SG00191
Cover for fire extinguisher with logo	1	SG00322
GRP storage cabinet: DMO-35	1	SG02030
Polyethylene fire extinguisher cabinet JBXF-83, red door	1	SG02432

Powder Wheeled Extinguisher 25 kgs ABC (cartridge)

Wheeled fire extinguishers are being used to extinguish large fires and during situations in which portable fire extinguishers are not sufficient for a fire to extinguish. Its sturdy construction and versatility make the mobile extinguisher rapidly deployed and operated by one person.



Applications for the marine, inland shipping and offshore market

- engine rooms
- deck rooms
- heli decks
- car decks

Features

- suitable placing of supporting handle, axis and supporting roll guarantees an optimal center of gravity of the apparatus as well as a good mobility

- quality stoved-enamel lacquer
- easy-running, solid tyred steel wheels
- quick readiness for use and space-saving by placing the hose around the powder container
- 5 meter high pressure hose with textile insert
- interruptible extinguishing pistol enables a dosed fire fighting
- painted inside

Powder Wheeled Extinguisher 25 kgs ABC
External cartridge operated

TECHNICAL SPECIFICATIONS

Manufacturer / Model	14134
Extinguisher	Dry Chemical Powder
Type	Internal cartridge operated
Capacity	25 kgs
Fire class / Rating	A B C
Propellant gas	CO ₂ , 1.3 kgs
Discharge time	25 seconds
Throw length	11 meters
Working pressure	14 bar at 20°C
Suitable for electrical equipment	Up to 1000V
Extinguishing agent	Powder MAP ABC 30
Length discharge hose	5 meters
Diameter wheels	300 mm
Material wheels	Hard rubber / PVC
Temperature range	-30°C to +60°C
Approx gross weight	25 kgs
Approx dispatch weight	60 kgs
Approx unit dimension	535 x 430 x 1020 mm (l x w x h)
Color	Cylinder red RAL 3000
Approvals	EN 1866 / CE, MED

ORDER INFORMATION

Description	Unit Sales	Articlenr
Powder Wheeled Extinguisher 25 kgs ABC (cartridge) MED	1	SG00261
Cover for wheeled powder extinguisher	1	18107003
Cover for wheeled powder extinguisher (made heavier by a galvanized chain)	1	SG00327
Cover for wheeled powder extinguisher 25 kg (offshore)	1	18107020
Spare CO ₂ cylinder for Powder Wheeled Extinguisher 25 kgs ABC	1	SG00431

Powder Wheeled Extinguisher 50 kgs ABC (cartridge)

This wheeled extinguisher is designed for professional use under severe circumstances, resulting in a high level of quality and ease of use. The cylinder, CE marked, has the welded frame. Ease of mobility is achieved as a result of the large wheels with solid rubber tyres and push bar also ensuring good stability during operation.



Powder Wheeled Extinguisher 50 kgs ABC
External cartridge operated

Applications for the marine, inland shipping and offshore market

- engine rooms
- deck rooms
- heli decks
- car decks

Features

- suitable placing of supporting handle, axis and supporting roll guarantees an optimal center of gravity of the apparatus as well as a good mobility

- easy-running, solid tyres steel wheels
- quick readiness for use and space-saving by placing the hose around the powder container
- 5 meter high pressure hose with textile insert
- interruptible extinguishing pistol enables a dosed fire fighting
- with the mark "GS"= tested security
- can be used at low temperatures (-30°C)
- very mobile and easy to operate
- painted inside

TECHNICAL SPECIFICATIONS

Manufacturer / Model	14163
Extinguisher	Dry Chemical Powder
Type	External Cartridge
Capacity	50 kgs
Fire class / Rating	ABC
Propellant gas	CO ₂ , 2 kgs
Discharge time	41 seconds
Throw length	11 meters
Working pressure	14 bar at 20°C
Suitable for electrical equipment	Up to 1000V
Extinguishing agent	Powder MAP ABC 30
Length discharge hose	5 meters
Diameter wheels	300 mm
Material wheels	Hard rubber / PVC
Temperature range	-30°C to +60°C
Approx gross weight	50 kgs
Approx dispatch weight	85 kgs
Approx unit dimension	550 x 450 x 1050 mm (l x w x h)
Color	Cylinder red RAL 3000
Approvals	EN 1866 / CE, MED

Powder Wheeled Extinguisher 50 kgs ABC (cartridge)

ORDER INFORMATION

Description	Unit Sales	Articlenr
Powder Wheeled Extinguisher 50 kgs ABC (cartridge) MED	1	SG00262
Cover for wheeled powder extinguisher	1	18107003
Cover for wheeled powder extinguisher (made heavier by a galvanized chain)	1	SG00327
Cover for wheeled powder extinguisher 50 kg (offshore)	1	SG00321
Spare CO ₂ cylinder for Powder Wheeled Extinguisher 50 kgs ABC	1	SG00432

Norfolk Powder Wheeled Extinguisher 50 kgs ABC (cartridge)

Wheeled fire extinguishers are being used to extinguish large fires and during situations in which portable fire extinguishers are not sufficient for a fire to extinguish. Its sturdy construction and versatility make the mobile extinguisher rapidly deployed and operated by one person.



Dry Powder Wheeled Extinguisher 50 kgs ABC

External cartridge operated

General

The wheeled extinguisher is filled with 50 kg ABC powder, and fitted with a 5 meter hose and ergonomic pistol fire. These features combined with the high pitch length make the extinguisher flexible and offers the user an efficient and reliable extinguishing agent.

ABC powder

ABC powder is suitable for fighting class A fires (carbonaceous), class B fires (flammable liquids) and class C fires (flammable gases). Powder is non-conductive and can be used in the presence of electricity up to 1000 volts at a distance of at least 1 meter. It shuts off the oxygen of the furnace which prevents re-ignition.

Applications for marine, inland shipping and offshore market

- machine rooms
- deck
- helideck
- car deck (ro-ro area)

Features

- great fire power
- large casting length
- ergonomic extinguishing gun
- 5 meters long extinguishing hose
- easily maneuverable
- balanced and stable
- proven reliability
- suitable for harsh conditions

TECHNICAL SPECIFICATIONS

Manufacturer / Model	Britannia NRA50
Extinguisher	Dry Powder
Type	Internal Cartridge
Capacity	50 kgs
Fire class / Rating	IIB
Propellant gas	CO ₂ , 1.35 kgs
Discharge time	35 seconds
Throw length	14 meters
Working pressure	11.5 bar at 20°C
Suitable for electrical equipment	Up to 1000V
Extinguishing agent	Powder ABC
Length discharge hose	5 meters
Diameter wheels	400 mm
Material wheels	Hard rubber
Temperature range	-30°C to +60°C
Approx gross weight	94 kgs
Approx dispatch weight	85 kgs
Approx unit dimension	510 x 610 x 980 mm (w x d x h)
Color	Red (RAL3000)
Approvals	EN 1866 / CE, MED

Norfolk Powder Wheeled Extinguisher 50 kgs ABC (cartridge)

ORDER INFORMATION

Description	Unit Sales	Articlenr
Norfolk Powder Wheeled Extinguisher 50 kgs ABC (cartridge)	1	SG00252
Cover for wheeled powder extinguisher	1	18107003
Cover for wheeled powder extinguisher (made heavier by a galvanized chain)	1	SG00327
Cover for wheeled powder extinguisher 50 kg (offshore)	1	SG00321
CO2 Cartridge 1,35 kgs for Norfolk NRA50	1	SG00438

ABS CO₂ Wheeled Extinguisher 10 kgs B

Wheeled extinguishers are designed for professional use under severe circumstances, resulting in a high level of quality and ease of use.



ABS CO₂ wheeled extinguisher 10 kgs B

Suitable for fires in electrical equipment in fire class B

Applications for marine, inland shipping and offshore market

- engine rooms (electrical appliances such as switch boards etc)
- welding areas

Features

- very mobile and easy to operate
- excellent quality, therefore a long operational lifetime
- good ergonomics, easy to drive
- can be used at low temperatures (-30°C)

- easy to service
- first in Europe in accordance with the new EN 1866 standards with CE approval
- extremely high ratings on B class fire (liquid fuels)
- ease of mobility is achieved as a result of the large wheels with solid rubber tyres and push bar also ensuring good stability during operation
- high performance discharge horn
- highly flexible hose with an excellent resistance

TECHNICAL SPECIFICATIONS

Manufacturer / Model	ABS
Extinguisher	CO ₂
Capacity	10 kgs
Fire class	144B
Propellant gas	CO ₂
Discharge time	17 seconds
Throw length	4 meter
Working pressure	60 bar at 20°C
Extinguishing agent	CO ₂
Length discharge hose	4 meters
Diameter of wheels	300 mm
Material wheels	Felly: Polypropylene Wheels: Polypropylene
Temperature range	-30°C to +60°C
Approx gross weight	38 kgs
Approx dispatch weight	65.3 kgs
Approx unit dimension	980 x 370 x 1060 mm
Color	Cylinder: Red Frame: Yellow, optional black or red
Approvals	Directive 96/98/EC MED, EN 1866 and with CE-mark

ORDER INFORMATION

Description	Unit Sales	Article nr
ABS CO ₂ 10 kgs B (stored pressure) MED	1	SG00271
Cover for wheeled CO ₂ extinguisher (made heavy by a galvanized chain)	1	SG00328

ABS CO2 Wheeled Extinguisher 20 kgs B

Wheeled extinguishers are designed for professional use under severe circumstances, resulting in a high level of quality and ease of use.



ABS CO₂ wheeled extinguisher 20 kgs B

Suitable for fires in electrical equipment in fire class B

Applications for marine, inland shipping and offshore market

- engine rooms (electrical appliances such as switch boards etc)
- welding areas

Features

- very mobile and easy to operate
- excellent quality, therefore a long operational lifetime
- good ergonomics, easy to drive
- can be used at low temperatures (-30°C)

- easy to service
- first in Europe in accordance with the new EN 1866 standards with CE approval
- extremely high ratings on B class fire (liquid fuels)
- ease of mobility is achieved as a result of the large wheels with solid rubber tyres and push bar also ensuring good stability during operation
- high performance discharge horn
- highly flexible hose with an excellent resistance

TECHNICAL SPECIFICATIONS

Manufacturer / Model	ABS
Extinguisher	CO ₂
Capacity	20 kgs
Fire class	233B
Propellant gas	CO ₂
Discharge time	32 seconds
Throw length	4 meter
Working pressure	60 bar at 20°C
Extinguishing agent	CO ₂
Length discharge hose	4 meters
Diameter of wheels	300 mm
Material wheels	Felly: Polypropylene Wheels: Polypropylene
Temperature range	-30°C to +60°C
Approx gross weight	70 kgs
Approx dispatch weight	65.3 kgs
Approx unit dimension	970 x 400 x 600 mm
Color	Cylinder: Red Frame: Yellow, optional black or red
Approvals	Directive 96/98/EC MED, EN 1866 and with CE-mark

ORDER INFORMATION

Description	Unit Sales	Article nr
ABS CO2 20 kgs B (stored pressure) MED	1	SG00272
Cover for wheeled CO2 extinguisher (made heavier by a galvanized chain)	1	SG00328

Foam Wheeled Extinguisher 50 liters AB (cartridge)

Wheeled extinguisher is designed for professional use under severe circumstances, resulting in a high level of quality and ease of use. The cylinder, CE marked, has the welded frame. Ease of mobility is achieved as a result of the large wheels with solid rubber tyres and push bar also ensuring good stability during operation.



Foam wheeled extinguisher 50 liters AB
External cartridge

Applications for marine, inland shipping and offshore market

- engine rooms
- car decks
- heli decks

Features

- suitable placing of handle and 400 mm wheels + turning little wheel in order to guarantee and optimal stability and easiness of use, as well as a good mobility of the device

- diameter cylinder 315 +0 -15 mm, material AISI 304
- easy running diam. 400 wheels + additional turning wheel for an easy movement
- 5 meters length hose with foam making nozzle and ball valve for the best possible use and effectiveness on the fire by the operator
- 3/4 ball valve at the end of the hose for a dosed projection of the extinguishing agent
- on request available antifreeze -20°C or -30°C
- painted inside

TECHNICAL SPECIFICATIONS

Manufacturer / Model	14260 3
Extinguisher	AFFF foam
Capacity	50 liter
Fire class / Rating	A B
Propellant gas	CO ₂ , 1.3 kgs
Discharge time	47 seconds
Throw length	8 meters
Working pressure	14 bar at 20°C
Suitable for electrical equipment	Not tested
Extinguishing agent	AFFF foam
Length discharge hose	5 meters
Diameter wheels	300 mm
Material wheels	Hard rubber / PVC
Temperature range	+0°C to +60°C
Approx gross weight	50 liter
Approx dispatch weight	85.0 kgs
Approx unit dimension	550 x 455 x 1145 mm (l x w x h)
Color	Cylinder red RAL 3000
Approvals	EN 1866 / CE, MED

ORDER INFORMATION

Description	Unit Sales	Articlenr
Foam wheeled extinguisher 50 liters AB (cartridge) MED	1	SG00266
Cover for wheeled foam extinguisher (made heavier by a galvanized chain)	1	SG00327
Cover for wheeled foam extinguisher 45/50 liter, beige strip, made heavier	1	SG00325
Spare CO ₂ cylinder for foam wheeled extinguisher 50 liters AB	1	SG00431
Refill 50 liter foam wagon	1	SG00434

Foam Wheeled Extinguisher 150 liters AB (cartridge)

Wheeled extinguisher is designed for professional use under severe circumstances, resulting in a high level of quality and ease of use. The cylinder, CE marked, has the welded frame. Ease of mobility is achieved as a result of the large wheels with solid rubber tyres and push bar also ensuring good stability during operation.



Foam wheeled wxtinguisher 150 liters AB
External cartridge

Applications for marine, inland shipping and offshore market

- engine rooms
- car decks
- heli decks

Features

- suitable placing of handle and 400mm. wheels + turning little wheel in order to guarantee and optimal stability and easiness of use, as well as a good mobility of the device

- cylinder diameter 450 mm, material AISI 304
- easy running diam. 400 wheels + additional turning wheel for an easy movement
- 5 meters length hose with foam making nozzle and ball valve for the best possible use and effectiveness on the fire by the operator
- ¾ ball valve at the end of the hose for a dosed projection of the extinguishing agent
- on request available antifreeze -20°C or -30°C
- painted inside

TECHNICAL SPECIFICATIONS

Manufacturer / Model	14284 4
Extinguisher	AFFF Foam, Sealfire
Capacity	150 liter
Fire class / Rating	A IVB
Propellant gas	CO ₂ , 3.2 kg
Discharge time	150 seconds
Throw length	8 meters
Working pressure	13 bar at 20°C
Suitable for electrical equipment	Not tested
Extinguishing agent	AFFF Foam
Length discharge hose	5 meters
Diameter wheels	400 mm
Material wheels	Hard rubber / PVC
Temperature range	+0°C to +60°C
Approx gross weight	150 liter
Approx dispatch weight	235 kgs
Approx unit dimension	900 x 700 x 1380 mm (l x w x h)
Color	Cylinder red RAL 3000
Approvals	En 1866 / CE, MED

ORDER INFORMATION

Description	Unit Sales	Articlenr
Foam wheeled extinguisher 150 liters AB (cartridge) MED	1	SG00268
Cover for foam extinguisher offshore tyre	1	SG00326
Spare CO ₂ cylinder for foam wheeled extinguisher 150 liters AB	1	SG00433
Refill 150 liter foam wagon	1	SG00435

Norfolk Foam Wheeled Extinguisher 45 liter AB (cartridge)

Wheeled fire extinguishers are being used to extinguish large fires and during situations in which portable fire extinguishers are not sufficient for a fire to extinguish. Its sturdy construction and versatility make the mobile extinguisher rapidly deployed and operated by one person.



Norfolk foam wheeled extinguisher 45 liters AB
External cartridge

General

The wheeled extinguisher is filled with 45 liters AB foam and fitted with a 5 meter long hose and ergonomic pistol fire. These features combined with the high pitch length make the extinguisher flexible and offers the user an efficient and reliable extinguishing agent.

AB foam

AB fire fighting foams are suitable for fighting class A fires (carbonaceous) and class B fires (flammable liquids). The foam can be used in the presence of electricity up to 1000 volts at a distance of at least 1 meter.

Applications for marine, inland shipping and offshore market

- machine rooms
- accommodation spaces

Features

- great fire power
- large casting length
- ergonomic extinguishing gun
- 5 meters long extinguishing hose
- easily maneuverable
- balanced and stable
- proven reliability
- suitable for harsh conditions

TECHNICAL SPECIFICATIONS

Manufacturer / Model	Britannia Norfolk / NRAF45
Extinguisher	AFFF Foam
Capacity	45 liters
Fire class / Rating	IIB
Propellant gas	CO ₂ 0.8 kgs
Discharge time	60 seconds
Throw length	14 meters
Working pressure	11.5 bar at 20°C
Extinguishing agent	AFFF Foam
Length discharge hose	5 meters
Diameter wheels	300 mm
Material wheels	Hard rubber / PVC
Temperature range	+5°C to +60°C
Approx gross weight	42.2 kg
Approx dispatch weight	88 kgs
Approx unit dimension	510 x 610 x 980 mm (w x d x h)
Color	Red (RAL3000)
Approvals	BS EN1866, MED, CE

ORDER INFORMATION

Description	Unit Sales	Articlenr
Norfolk foam wheeled extinguisher 45 liter AB (cartridge)	1	SG00251
Cover for wheeled foam extinguisher (made heavier by a galvanized chain)	1	SG00327
Cover for wheeled foam extinguisher 45/50 liter, beige strip, made heavier	1	SG00325
Spare cartridge, 0.8 kg	1	SG00436

Dräger High Quality Fire Hose

The lay-flat fire hoses are extremely durable and very flexible to use. This hose is suitable for intensive firefighting. This extruded hoses are resistant to oil, gasoline, salt solutions, acids and chemicals.

Applications

For intensive use, such as the offshore.

available with Storz pillars and in the color red.
Other colors and/or columns on request.

Features

The high quality hose made of PVC nitrile, has an ozone, chemicals and acids resistant layer. The burst pressure is 50 bar. The rubber liner on the inside is "extruded" with the outside. The standard length is 20 meters. Standard

Life span

Hoses are available in different qualities. Before purchasing, keep the usage frequency in mind. This will determine the life span of the hose. The Polydur has a long life.



Dräger high quality fire hose

Good protection against ozone and atmospheric weathering

TECHNICAL SPECIFICATIONS

Type	Polydur
Material	100% high tenacity synthetic yarn circular woven
Temperature	-35°C to +100°C
Working pressure	17 bar
Bursting pressure	50 bar
Diameter	Ø 52 mm
Length	Standard: 20 meters Other lengths on request
Approvals	DIN 14811 Class 3, BS 6391:1983 Type III, Russian Maritime Register

ORDER INFORMATION

Description	Unit Sales	Articlenr
Storz - Pro / LM / N66 / 2,0" 20 meter, Red	1	SG00642
Storz - Pro / LM / N66 / 1,5" 20 meter, Red	1	02120072
Storz - Pro / MS / N66 / 2" 20 meter, Red	1	SG00647
Storz - Pro / LM / N66 / 2" 15 meter, Red	1	02120079
Storz - Pro / MS / N81 / 2" 20 meter, Red	1	SG00667
Storz - Pro / LM / N81 / 2,0" 20 meter, Red	1	SG00662
Storz - Pro / LM / N81 / 2,5" 20 meter, Red	1	SG00663
Storz - Pro / LM / N81 / 3,0" 20 meter, Red	1	SG00664
Storz - Pro / Instantaneous BA / 2" 20 meter, Red	1	02120088
Storz - Pro / MS / N66 / 2" 20 meter	1	02120092
Storz - Pro / MS / N66 / 2" 20 meter, Blue	1	02120096
Storz - Pro / MS / N66 / 2" 30 meter, Blue	1	02120097
Storz - Pro / USPIN 1.1 / 2" 20 meter	1	02120100

Dräger Standard Fire Hose

The lay-flat 500 Synthetic hose has a smooth outside PU coated making it more resistant to oils and chemicals and abrasion resistant than uncoated fire hoses. This hose is widely used in marine and offshore.



Applications

For preventive use, low usage frequency.

pillars and in the color red. Other colors and / or columns on request.

Features

The synthetic fire hose is a woven synthetic material, has a burst pressure of 40 bar and has a rubber inner lining. The standard length is 20 meters. Standard available with Storz

Life span

Hoses are available in different qualities. Before purchasing, keep the usage frequency in mind. This will determine the life span of the hose. The synthetic 500 has a medium to long life.

Dräger standard fire hose

Low friction loss

TECHNICAL SPECIFICATIONS

Type	Synthetic 500
Material	Synthetic coating
Temperature	-30°C to +80°C
Working pressure	17 bar
Bursting pressure	40 bar
Diameter	1" to 4"
Length	Standard: 20 meters Other lengths on request
Approvals	DIN 14811 Class 3, BS 6391:1983 Type III, Russian Maritime Register

ORDER INFORMATION

Description	Unit Sales	Articlenr
Storz - Syn / LM / N66 / 2,0" 20 meter, Red	1	SG00542
Storz - Syn / LM / N66 / 1,5" 20 meter, Red	1	SG00541
Storz - Syn / LM / N81 / 2,0" 20 meter, Red	1	SG00562
Storz - Syn / LM / N81 / 2,5" 20 meter, Red	1	SG00563
Storz - Syn / LM / N81 / 3,0" 20 meter, Red	1	SG00564
Storz - Syn / MS / N66 / 1,5" 20 meter, Red	1	SG00546
Storz - Syn / MS / N81 / 2,0" 20 meter, Red	1	02110061
Storz - Syn / MS / N81 / 1,5" 20 meter, Red	1	SG00566

Dräger Budget Fire Hose

Uncoated delivery hose for fire brigades and industry.



Dräger budget fire hose

Smooth surface and low friction loss

Applications

- municipal fire brigades
- industrial fire brigades
- shipboard
- refineries
- construction sites

Features

- jacket: 100% polyester high tenacity yarn, circular woven, warp threads 2-ply twisted, twill weave. Max. change in length: 3%. Max. change in diameter: 3%
- inner lining: two-component system consisting of black SBR-synthetic rubber and white NBR-synthetic adhesive

- inner lining: resistant to ozone and to external contact with oil products
- produced with a very low twist
- good abrasion resistance and long service life
- external resistance to oil, fuel and chemical products
- low friction loss
- aging and ozone resistant, weather resistant
- lightweight and flexible, kink resistant
- small coil diameter
- minimum maintenance
- easy to repair

TECHNICAL SPECIFICATIONS

Type	Top synthetic N/40
Material	Uncoated natural white
Temperature range	-30°C to +80°C
Working pressure	13 bar
Bursting pressure	40 bar
Diameter	Ø 52 mm
Length	Standard: 20 meters Other lengths on request
Approvals	DIN EN

ORDER INFORMATION

Description	Unit Sales	Articlenr
Storz LM / N66 / 2" 20 meter, White	1	SG00551

Multi-Purpose Spray Nozzle

A multi-purpose fog nozzle with very good performance for both fog and jet.



Features

- easy to handle multi purpose spray nozzle
- ideal for fire fighting departments and general industrial use
- to be used with or without man shield

- three spray positions

Delivery

Delivery excluding connection.

Multi-purpose spray nozzle

Easy to handle

TECHNICAL SPECIFICATIONS

Type	CM aluminium	CMM
Material	Aluminium alloy	Aluminium alloy
Switch position	Stop - jet - spray	Stop - jet - spray
Connection	G 2" A	G 2" A
Boring	12 x 9	12 x 9
Weight	1.16 kgs	1.50 kgs
Approvals	DIN 14365	DIN 14365

ORDER INFORMATION

Description	Unit Sales	Articlenr
Multi-Purpose Spray Nozzle, with man shield, LM-2"	1	SG01002

Unifire Spray Nozzles

The Unifire V-nozzle series is a multi-purpose fog nozzle with very good performance for both fog and jet. The V-nozzles are available in both long and short versions. The V-nozzle can be combined with an attachable foam-tube for heavy and medium foam.

Features

The Unifire V-nozzle is proven to be very reliable. It's designed for heavy professional use and no maintenance is required. The only spare part is the baffle and its crew.

The Unifire V-nozzles are available in sizes 7, 10, 12,14,16,18 and 20.

Material

The nozzles is made of chrome plated brass, red plastic cover and rubber bumper head.

Delivery

Delivery excluding connection.



Unifire V-12 nozzle

Multi-purpose fog and jet nozzle

TECHNICAL SPECIFICATIONS

Fog 90°	L/min M
Pressure 2 bar	184 / 10
Pressure 6 bar	325 / 13
Pressure 10 bar	400 / 14
Positions	stop - jet - spray
Connection	G2"A
Material	Chrome plated brass, red plastic cover and rubber bumper head
Approvals	Lloyd, Det Norske Veritas, Bureau Veritas, American Bureau of Shipping etc.

ORDER INFORMATION

Description	Unit Sales	Articlenr
Unifire spray V-12 Nozzle, jet / foam, 2"	1	SG01011
Unifire V-16 Nozzle, jet / foam	1	SG01012
Unifire V-20 Nozzle, jet / foam	1	SG01013

POK 400 Spray Nozzle

We believe that POK products have the ability to provide firefighters all over the world the proper tools to save lives and to minimize property damage.



POK 400 DIN Spray Nozzle
Tough construction

POK nozzles are quality products that have been thoroughly tested. They meet the current standards and requirements of the daily (professional) user. Both standard and specialized nozzles are included in the range. Depending on the application, on-site use, performance, characteristics and manufacturing material, the appropriate nozzle is to be chosen. The final result of POK products comes after extensive testing of the products in consultation with users. This ensures that POK products meet the highest quality and usability.

Features

- tough anodized aluminium construction
- swivel inlet
- compact size for easy stowage
- meets the needs of Forestry and Rural Fire brigades where water conservation is desirable
- multi flow selection
- pattern detents for positive positioning
- change flow without changing pattern and flush without shutting down
- excellent for application of A class foam
- new inlet filter mesh prevents blockages caused by stones
- each nozzle etched with a unique serial number for identification

TECHNICAL SPECIFICATIONS

Material	Aluminium alloy, stainless steel
Spray	10 m, full jet, spray 110°, flush
Full stray	34 meters
Connection	G2"A
Adjustable	60, 130, 250, 400 l/min at 6 bar
Approvals	DIN 14367, DIN 14367-6-400-3-C

ORDER INFORMATION

Description	Unit Sales	Articlenr
POK: Debikador Spray Nozzle 400 - 2" DIN-14367	1	SG01021

Akron 3020 Spray Nozzle

The Akron 3020 spray nozzle is a combination fog and straight stream nozzle designed for more efficiency with AFFF or water on board of ships.



Features

- brass construction
- self-adjusting seats
- molded teeth
- massive rubber-like bumper, handle and pistol grip
- constant gallonage in all fog and straight stream patterns
- flush without shutting down

Akron 3020 spray nozzle
Water or foam spray nozzle

TECHNICAL SPECIFICATIONS

Length	219 mm
Weight	3.5 kgs
Inlet size	38 mm
Flow at 100 PSI	GPM 95, LPM 360
Approvals	DIN 14367, DIN 14367-6-400-3-C

ORDER INFORMATION

Description	Unit Sales	Articlenr
Akron 3020 Spray Nozzle 1,5"	1	SG01032

HS nozzles D10, D12, D16, D20

Hollow stream nozzles with shut-off for the delivery of firefighting water in the form of full jet and selectable spray jet.



Features

- HS nozzles can be conveniently and continuously adjusted from completely closed via full jet to spray jet between 0 - 120° by twisting the rubber coated head.
- Switching sequence: Closed – full jet – spray jet.
- The spray teeth have flat deflection surfaces on the inside and produce a spray the centre of which is directed forwards. This results in a large spray jet throw distance. Large drops for reach, small drops for cooling. As a result, universal and effective use of the HS nozzles is possible.

Advantages

- Low weight
- Absolute corrosion resistance to seawater
- The simple design means the nozzle is not prone to repair
- Low operating forces
- Extremely sturdy
- Completely maintenance-free

Structure of HS nozzles

All bills of material have an identical structure. The only difference between types HS10, 12, 16, 20 is that they have different valve plates at the front. These are marked at the front as "D10", "D12", "D16" and "D20".

HS nozzles D10, D12, D16, D20

Hollow stream nozzles

TECHNICAL SPECIFICATIONS

Operating head	Rubber (NBR) and chrome-plated brass
Barrel	Extremely impact-resistant plastic (POM)
Valve plate	Polyamide
Valve rod	Stainless steel
Dimensions	with C-type adapter: 347 x 98 x 98 mm
Weight	1.1 kg (aluminium) 1.6 kg (brass)
Flow rate at 6 bar - full jet, litres/min - throw distance (meters)	HS10 - 160-24 HS12 - 230-28 HS16 - 330-30 HS20 - 380-32
Flow rate at 6 bar - spray jet, litres/min - throw distance (meters)	HS10 - 440-4 HS12 - 460-4.5 HS16 - 470-4.5 HS20 - 470-4.5
Flow rate at 2 bar - full jet, litres/min - throw distance (meters)	HS10 - 90-16 HS12 - 130-17 HS16 - 170-18 HS20 - 220-21
Flow rate at 2 bar - spray jet, litres/min - throw distance (meters)	HS10 - 250-4 HS12 - 265-4.5 HS16 - 275-4.5 HS20 - 275-4.5

ORDER INFORMATION

Description	Unit Sales	Articlenr
HS nozzles D10, D12, D16, D20	1	SG01051

Delta Low Expansion Foam HV225 / S

Delta's "V" range of foam branch pipes are designed for the foams of the late '90s. All purpose alcohol resistant, FFFP and AFFF foams.



Delta HV225 Branch pipe

Self inducing models

General information

The new style branch pipe is designed to first expand the foam and then accelerate it to high velocity producing long throws beyond the capability of many older designs.

Delta's branch pipes are designed to match Delta variable inline foam inductors or equivalent types.

Features

- long throw
- self inducing models
- designed for all new technology foams
- all international inlets

- dot/Lloyds certified
- optional on/off ball valve available

Construction

- body: Light Alloy - internally and externally powder coat
- finish: Epoxy Polyester International Orange
- nozzle: Light Alloy
- inlet: HV 2" BSP Male

A wide range of International fittings are available as an option.

Self inducing models are supplied with quick release pick-up and stainless steel dip tube.

TECHNICAL SPECIFICATIONS

Nominal flow (L/min)	5 bar - 200 7 bar - 225
Foam Expansion	6-10
Range (metres) at 7 Bar	18-22
Length	740 mm
Weight	2.2 kgs
Approvals	Lloyds certified and D.O.T. approved (M.S.A.) for marine use

ORDER INFORMATION

Description	Unit Sales	Article nr
Delta Low expansion foam HV225 / S	1	SG01041

POK Mixy Eductor

Body manufactures in bronze with an inlet filter metering valve 0 to 6% with by-pass. The pick up tube needs to be ordered separately.



Features

The foam mixer works on the Venturi principle. The water pressure in the state, creates a vacuum that causes the suction of the liquid. The device has a check valve ball which prevents any return of water into the tank of foam concentrate.

A dispenser valve allows you to adjust the proportion of water / foam from 0% to 6%.

A valve device ensures constant mixing rates, even when the pressure varies.

POK Mixy Eductor
Tough construction

TECHNICAL SPECIFICATIONS

Setting aspiration	0 - 6%
Pressure drop	35%
Capacity	200 liters, 400 liters or 800 liters per minute

ORDER INFORMATION

Description	Unit Sales	Articlenr
POK Mixy Eductor, 200 liter p/m, excluding coupling	1	SG01101
POK Mixy Eductor, 400 liter p/m, excluding coupling	1	SG01102
POK Mixy Eductor, 800 liter p/m, excluding coupling	1	SG01203
Pick up tube, 1.5 meters LM-N31 including suction bar	1	SG01211
Pick up tube, 1.5 meters LM-N31 excluding suction bar	1	SG01212

Couplings and o-rings

To couple a Storz connection, the two opposing couplings are pressed together such that the hooks of each one are inserted into the slots in the flange of the other. Then they are rotated in opposite directions until they are tight, or latched engages.



Features

The Storz couplings create a water-tight connection between the internal packing gaskets. To uncouple them, the latches are released and the couplings are turned in the opposite directions from coupling, and then

separated when the hooks and slots are aligned.

Special wrenches are designed for assisting with Storz connectors.

Couplings and o-rings
Various sizes available

ORDER INFORMATION

Storz name	NOK	Male/Female thread	Unit Sales	Ordernr.
Storz connector with BSP thread, light metal with rubber seal				
C	66	2.0"	1	SG00727
65	81	1.5"	1	SG00733
65	81	2.0"	1	SG00734
65	81	2.5"	1	SG00735
Storz connector with male thread BSP, light metal with rubber seal				
D	31	1.0"	1	08113002
65	81	2.0"	1	SG00774
65	81	2.5"	1	SG00775
Storz hose connector included, light metal with rubber seal				
C, hose adapter Ø 52 mm, L 90 mm	66	2.0"	1	SG00827
65, hose adapter Ø 52 mm, L 90 mm	81	2.0"	1	SG00834
65, hose adapter Ø 65 mm, L 90 mm	81	2.5"	1	SG00835
Storz blind lid, light metal with rubber seal				
C			1	SG00704
65			1	SG00706
Storz rings, Perbunan				
C	66		1	SG00864
65	81		1	SG00865

Coupling Spanners

Couplings spanners are used to attach fire hoses to hydrants, spray nozzles, monitors or other equipment. Coupling spanner are available for o.a. Storz couplings.



Features

- galvanized steel
- insulated hand grip

Coupling Spanners

Available for all Storz couplings

TECHNICAL SPECIFICATIONS

Sizes	For all B and C type of Storz couplings Other dimensions on request
Warranty	12 months

ORDER INFORMATION

					
Coupling type	Nakajima 11/2" (40a), 61 mm	Nakajima, 2" (50a), 72 mm	Nakajima, 2 1/2" (65a), 91 mm	PINLUG, R2.1/2"	Storz-spanner: not isolated BC, DIN 14829
Articlenr.	08143616	08143615	08143614	08143109	08117001

		
Coupling type	Storz-spanner: isolated BC, DIN 14822	Storz-spanner: isolated ABC, DIN 14822
Articlenr.	SG00892	08117004

Shore connection - SM029

Connection to overcome international differences in couplings.

- Features**
- complete with bolts and nuts



International Shore Connection
connection to overcome international differences in couplings

TECHNICAL SPECIFICATIONS

Flange	178 mm
Material	Bronze
Thread	Bsp male

ORDER INFORMATION



Coupling type	International shore/wall connection: 2 1/2" MS	International shore/wall connection 2" MS
Articlenr.	09180025	09180026

Monitor TKW 3000

The TKW monitor is a good alternative for the roll-out hoses on deck. This solution increases the safety of the crew on board.



Monitor TKW 3000

Easy to install, one man operation

Applications

- inland shipping

Features monitor

- deployable, both manned and without crew
- 360° rotation
- rotation, both horizontal as vertical

Features branch pipe POK 400 spray nozzle

- adjustable spray pattern
- diameter spray nozzle 2"
- maximum spray: 110°
- connection 3" DIN
- POK branch pipe 400 DIN EN 15182-2

Advantages

- easy to install semi-permanent arrangement
- quick response time in case of an emergency
- secure, one man operation
- the possibility of unmanned operation reduces dangerous situations for the crew
- more time to assist other crew members and emergency services
- increased safety level of the crew, less obstacles (hoses) on the deck
- throw length depends on pump capacity
- optional: foam
- from January 2013 ADN approval
- allowed at several terminals

TECHNICAL SPECIFICATIONS

Material	Aluminium
Color	Red
Lenght incl. branch pipe	850 mm
Lenght excl. branch pipe	560 mm
Width	390 mm
Max. flow	3.000 lpm @ 7 bar
Inlet	flange DN 80, PN 16

ORDER INFORMATION

Description	Unit Sales	Articlenr
Monitor TKW 3000	1	SG01225
POK: Debikador Spray Nozzle 400 - 2" DIN-14367	1	SG01021
Adapter 2" Bi/2,5" Bi Aluminium	1	08180006

Dräger firefighting monitors

Our robust range of various flow firefighting monitors cover fixed monitors for a mixture of fire suppression needs. Offering a variety of manual monitors, self-oscillating monitors, electric monitors, electro-hydraulic monitors with accompanying monitor nozzles, monitor towers/ turrets, trailers and control panels. The fire monitors are available with bronze body as standard it is possible to have the full casting in Nickle Aluminium Bronze suitable for being used with sea water or water foam solution within harsh industrial environments, chemical plants and offshore applications.



Applications for the marine, inland shipping and offshore market

- helideck
- foam firefighting
- general fire protection on multiple locations

Features

- bronze or Nickle Aluminium Bronze body

- various configurations from manual to electro hydraulic
- various nozzle selections including spray/fog and auto aspirating
- various options such as turrets, supports and oscillating mechanisms
- various remote control options including stationary and wireless
- various models CE and ATEX approved

Dräger firefighting monitors

To be used within harsh environments

TECHNICAL SPECIFICATIONS

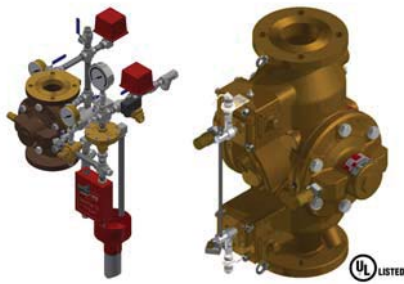
Manufacturer	SA Fire
Materials	bronze / nickle aluminium bronze
Control	manual / electric / electric + hydraulic
Capacity	up to 20.000 L/min
Size	up to 6"
Connections	ANSI / UNI
Options	non-standard painting systems on request
Approvals	ATEX / CE

ORDER INFORMATION

Description	Unit Sales	Article number
Dräger Firefighting Monitors	1	On request

Dräger fire protection deluge valves

The deluge valves are able to control highly pressurised water flow in deluge, preaction, pressure reducing and ON/OFF fire protection systems. The double chamber deluge valves (with a fully redundant architecture) are compatible with hydraulic, electric, electro-pneumatic or pneumatic release systems and ensure a low probability of failure on demand. Both single and double chamber valves are available in Nickel Aluminium Bronze with Nickel Aluminium Bronze/ AISI 316L/ Monel K400 trim. All valves are in line with NFPA guidelines with UL listing, SIL 2 and SIL 3 on selected valves.



Dräger fire protection deluge valves

To control highly pressurised water flow

Applications for the marine, inland shipping and offshore market

- deluge systems
- heli deck
- foam fire fighting
- general fire protection on multiple locations

Features

- double chamber valves allow inline maintenance and overcome double failure
- body materials to be selected among: nickel aluminium bronze ASTM B14C958000, bronze EN 1982 – CC491K

- or stainless steel AISI 316 ASTM A351 Gr.CF8M
- diaphragm material: EPDM fabric reinforced
- nuts and bolts material: stainless steel AISI 316
- flanges ANSI B16.24 or UNI EN 1092-
- water temperature: from 0,5 °C to 90°C
- validation certificate for SIL 3 systems issued by Bureau Veritas (Double chamber)
- UL Listed (Double chamber under application)

TECHNICAL SPECIFICATIONS

Manufacturer	SA Fire
Materials	nickel aluminium bronze ASTM B148 C95800, bronze EN 1982 - CC491K, stainless steel AISI 316 ASTM A351 Gr.CF8M
Control	electric / electric + pneumatic / ON / OFF
Size	up to 8"
Connections	ANSI / UNI
Options	pressure reducing trims, diaphragm position monitoring system proximity sensors for monitoring the position of the in-built isolation valves

ORDER INFORMATION

Description	Unit Sales	Articlenr
Dräger Fire Protection Deluge Valves	1	On request

Dräger foam proportioning equipment

Dräger foam equipment solutions include bladder tanks, branch pipes, foam pourers, foam chambers, pump skids, portable foam trailers and foam concentrates as well as all the complimentary accessories. The fire suppression equipment we offer delivers effective fire protection through a series of low/ medium/ high expansion foam systems which are in accordance with NFPA guidelines. Each piece is designed and manufactured with care. These solutions are suitable for special hazard environments and are widely used in chemical, petrochemical, pharmaceutical industries.



Applications for the marine, inland shipping and offshore market

- deluge systems
- heli deck
- foam fire fighting
- general fire protection on multiple locations

Features

- bladder tanks
- atmospheric tanks
- inline indicators
- mixers
- proportioners
- branch pipes
- available in various materials
- complete system design
- engineering and calculations

Dräger foam proportioning equipment

Complete range of foam equipment

TECHNICAL SPECIFICATIONS

Manufacturer	SA Fire
Materials	bronze / stainless steel / various
Capacity	up to 20.000 liters
Connections	ANSI / UNI
Options	various material selections

ORDER INFORMATION

Description	Unit Sales	Articlenr
Dräger Foam System Components	1	On request

Dräger fire spray nozzles

The range of water and foam nozzles are the effective first line of fire suppression. Our nozzles are used in deluge water spray systems designed for cooling, vapour containment and water curtains. We also offer reliable average and high velocity nozzles as well as nozzles for low, medium and high expansion foam applications ensuring activation where needed to stop fire from spreading.



Applications for the marine, inland shipping and offshore market

- all the protected areas
- foam fighting

Features

- stainless steel, bronze, nickel aluminium bronze body

- various threads
- various inlet sizes
- various dispersion angles
- suitable execution for external installation in marine environment and operation with sea water and foam solutions

Dräger fire spray nozzles

Effective first line of suppression

TECHNICAL SPECIFICATIONS

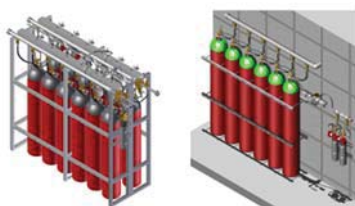
Manufacturer	SA Fire
Materials	stainless steel / bronze/ nickel aluminium bronze
Velocity	high / medium and low
Threads	BSP and NPT
Flow rates	Custom flow rates / K factors

ORDER INFORMATION

Description	Unit Sales	Articlenr
Dräger Fire Spray Nozzles	1	On request

Dräger gaseous fire suppression systems

Providing gas based fire suppression systems and all supporting hardware approved to EN12094 and in line with NFPA guidelines. Our systems ensure total flooding and are extremely effective at suppressing fire. We can supply accessories needed for complete systems including valves, weighing systems, electric actuators, SIL 2, odorisers, control panels, cylinder racks and cabinets ensuring a highly reliable fire suppression unit.



Applications for the marine, inland shipping and offshore market

- offshore platforms
- FPSO's
- gas turbines
- generators
- IT server farms
- electric rooms

Features

- CO2 and Inergen solutions
- skid supplied with various options including heating and lighting
- monitoring system for filling
- actuation with external cylinder or electro magnetic
- various other option including painting and multi zone systems
- various manifold selections
- various hose selections

Dräger gaseous fire suppression systems

Extremely effective at suppressing fire

TECHNICAL SPECIFICATIONS

Manufacturer	SA Fire
Storage	open rack or closed cabinet
Installation areas	safe, zone 1 and 2 areas
Cylinder volumes	60, 67.5 and 200 liters
Valve materials	brass and stainless steel
Declaration of conformity	97/23/CE - PED 305/2011 - CPR

ORDER INFORMATION

Description	Unit Sales	Article number
Dräger Gaseous Fire Suppression Systems	1	On request

Bio-Ex Filmopol 1x3 LT15



FILMOPOL 1X3LT15 is a fluorosynthetic foam AFFF-AR 1X3. The film-forming property AFFF gives to FILMOPOL 1X3LT15 a high speed of extinction on hydrocarbon fires thanks to the aqueous film which insulates the fuel surface from the air. The Alcohol-Resistant property produces a thick layer – skin – if applied on any kind of fuels. The peculiar nature of our fluoropolymer gives outstanding burnback resistance.

Applications

FILMOPOL 1X3LT15 can be used with tap water, sea water and brackish water at 1% on hydrocarbon and at 3% on polar solvents fires as well as on special chemicals : acids, HF, HCl, amines, Butadiene, CS₂. It is compatible with dry extinguishing powders and it is suitable with all kind of known equipment.

Pseudoplastic

FILMOPOL 1X3LT15 is pseudoplastic: its viscosity decreases when it is agitated. This

property authorizes its use even at low temperature and low pressure.

Foaming power

FILMOPOL 1X3LT15 is usable at Low, Medium and High Expansion.

Fuel fires

FILMOPOL 1X3LT15 is efficient on hydrocarbon and polar solvents fires.

Environment

FILMOPOL 1X3LT15 is easily biodegradable.

TECHNICAL SPECIFICATIONS

Reference	Bio-Ex Filmopol 1X3LT15
Appearance	white gel
Specific gravity at 20°C	1.03 ± 0.02 kg/dm ³
Ph at 20°	7.0 ± 1.0
Viscosity at 20°C (mPa.s)	2300 ± 200 mPa.s
Freezing point	-15°C
Temperature of use	+13°C / + 50°C
Surface tension at 1% (mN/m)	16 ± 2 mN/m
Interfacial tension at 1% (mN/m)	2 ± 1 mN/m
Foam Quality at 1%	
Low expansion	> 7, foam expansion values depend on the equipment
Drainage time 25 %	> 10 minutes
Medium expansion	> 30, foam expansion values depend on the equipment
Foam Quality at 3%	
Low expansion	> 8, foam expansion values depend on the equipment
Drainage time 25 %	> 30 minutes
Medium expansion	> 100, foam expansion values depend on the equipment
High expansion	> 600, foam expansion values depend on the equipment

ORDER INFORMATION

Description	Unit Sales	Article n°
Bio-Ex Filmopol-AR: LT151x3 - 20 liter	1	25121031

Bio-Ex Flufoam 1

FLUOFOAM 1 is a fluorosynthetic foam AFFF, based on the combination of surfactants selected for their foaming property and their resistance to dehydration and heat. The film-forming property AFFF gives to FLUOFOAM 1 a high speed of extinction on hydrocarbon fires thanks to the aqueous film which insulates the fuel surface from the air.



Bio-Ex Flufoam 1

Efficient on all hydrocarbon fires

Applications

FLUOFOAM 1 can be used with tap water, sea water and brackish water at 1% on hydrocarbon fires. It is compatible with dry extinguishing powders and it is suitable with all kind of known equipment.

Foaming power

FLUOFOAM 1 is usable at Low Expansion. This fluid foam is not contaminated on hydrocarbons and enables a forceful

application. FLUOFOAM 1 is usable at Medium Expansion to create a foam blanket to protect against burnback.

Fuel fires

FLUOFOAM 1 is efficient on all hydrocarbon fires, such as diesel, kerosene, petrol

Environment

FLUOFOAM 1 is easily biodegradable.

TECHNICAL SPECIFICATIONS

Reference	Bio-Ex Flufoam 1
Appearance	yellow liquid
Specific gravity at 20°C	1.02 ± 0.02 kg/dm ³
pH at 20°C	8.0 ± 1.0
Viscosity at 20°C	6 ± 2 cStokes
Sediments	0%
Surface tension at 6%	17 ± 2 mN/m
Interfacial tension at 6%	3 ± 1 mN/m
Freezing point	-20°C
Temperature of use	-15°C to +50°C
Low expansion	> 7, foam expansion values depend on the equipment
Drainage time 25%	> 2 minutes
Medium Expansion	> 40, foam expansion values depend on the equipment
Approvals	EN 1568-3

ORDER INFORMATION

Description	Unit Sales	Article nr
Bio-Ex Flufoam: 1% - 20 liter	1	SG01911

Bio-Ex Hydropol 3

HYDROPOL 3 is a fluorosynthetic foam AR 3X3. The Alcohol Resistant property produces a thick layer – skin – if applied on any kind of fuels. The peculiar nature of our fluoropolymer gives outstanding burnback resistance. HYDROPOL 3 is pseudoplastic: its viscosity decreases when it is agitated. This property authorizes its use even at low temperature and low pressure.



Applications

HYDROPOL 3 can be used with tap water, sea water and brackish water at 3% on hydrocarbon and polar solvents fires as well as for the keeping of gaseous fumes : acids, HCl, NH₃. in Medium Expansion. It is suitable with all kind of known equipment.

Foaming power

HYDROPOL 3 is usable at Low, Medium and High Expansion.

Fuel fires

HYDROPOL 3 is efficient on hydrocarbon and polar solvents fires. HYDROPOL 3 can keep its water for a very long period. This outstanding property makes it highly efficient on polar solvents fires.

Environment

HYDROPOL 3 is easily biodegradable.

TECHNICAL SPECIFICATIONS

Reference	Bio-Ex Hydropol 3
Appearance	yellow gel
Specific gravity at 20°C	1.05 ± 0.02 kg/dm ³
Ph at 20°	7.0 ± 1.0
Viscosity at 20°C (mPa.s)	1500 ± 200 mPa.s
Sediments	< 0.1 %
Surface tension at 3% (mN/m)	23 ± 2 mN/m
Freezing point	-15°C
Temperature of use	-10°C + 50°C
Low expansion	> 7, foam expansion values depend on the equipment
Drainage time 25 %	> 10 minutes
Medium expansion	> 50, foam expansion values depend on the equipment
High expansion	> 600, foam expansion values depend on the equipment

ORDER INFORMATION

Description	Unit Sales	Articlenr
Bio-Ex Hydropol-AR: 3% per liter	1	SG01934
Bio-Ex Hydropol-AR: 3% per 20 liter per can	1	SG01932

Bio-Ex Filmopol 3

FILMOPOL 3 is a fluorosynthetic foam AFFF-AR 3X3. The film-forming property AFFF gives to FILMOPOL 3 a high speed of extinction on hydrocarbon fires thanks to the aqueous film which insulates the fuel surface from the air. The Alcohol-Resistant property produces a thick layer – skin – if applied on any kind of fuels. The peculiar nature of our fluoropolymer gives outstanding burnback resistance.



Bio-Ex Filmopol 3

Efficient on hydrocarbon and polar solvents fires

Applications

FILMOPOL 3 can be used with tap water, sea water and brackish water at 3% on hydrocarbon and polar solvents fires as well as on special chemicals : acids, HF, HCl, amines, Butadiene, CS₂. It is compatible with dry extinguishing powders and it is suitable with all kind of known equipment.

Pseudoplastic

FILMOPOL 3 is pseudoplastic: its viscosity decreases when it is agitated. This property

authorizes its use even at low temperature and low pressure.

Foaming power

FILMOPOL 3 is usable at Low, Medium and High Expansion.

Fuel fires

FILMOPOL 3 is efficient on hydrocarbon and polar solvents fires.

Environment

FILMOPOL 3 is easily biodegradable.

TECHNICAL SPECIFICATIONS

Reference	Bio-Ex Filmopol 3
Appearance	white gel
Specific gravity at 20°C	1.00 ± 0.02 kg/dm ³
Ph at 20°	7.0 ± 1.0
Viscosity at 20°C (mPa.s)	2300 ± 200 mPa.s
Sediments	<0.1%
Surface tension at 3% (mN/m)	16 ± 2 mN/m
Interfacial tension at 3% (mN/m)	2 ± 1 mN/m
Freezing point	0°C
Temperature of use	+2°C / + 50°C
Low expansion	> 7, foam expansion values depend on the equipment
Drainage time 25 %	> 10 minutes
Medium expansion	> 30, foam expansion values depend on the equipment
High expansion	> 400, foam expansion values depend on the equipment
Approvals / standards	EN 1568-3, EN 1568-4, Lastfire certificate, Bureau Veritas certificate

ORDER INFORMATION

Description	Unit Sales	Article nr
Bio-Ex Filmopol-3 AR: 3% - 25 liter per can	1	25121035

Bio-Ex Filmopol 3x3

FILMOPOL 3LT15 is a fluorosynthetic foam AFFF-AR 3X3. The film-forming property AFFF gives to FILMOPOL 3LT15 a high speed of extinction on hydrocarbon fires thanks to the aqueous film which insulates the fuel surface from the air. The Alcohol-Resistant property produces a thick layer – skin – if applied on any kind of fuels. The peculiar nature of our fluoropolymer gives outstanding burnback resistance.



Bio-Ex Filmopol 3

Efficient on hydrocarbon and polar solvents fires

Applications

FILMOPOL 3LT15 can be used with tap water, sea water and brackish water at 3% on hydrocarbon and polar solvents fires as well as on special chemicals: acids, HF, HCl, amines, Butadiene, CS₂. It is compatible with dry extinguishing powders and it is suitable with all kind of known equipment.

Pseudoplastic

FILMOPOL 3LT15 is pseudoplastic: its viscosity decreases when it is agitated. This

property authorizes its use even at low temperature and low pressure.

Foaming power

FILMOPOL 3LT15 is usable at Low, Medium and High Expansion.

Fuel fires

FILMOPOL 3LT15 is efficient on hydrocarbon and polar solvent fires.

Environment

FILMOPOL 3LT15 is easily biodegradable.

TECHNICAL SPECIFICATIONS

Reference	Bio-Ex Filmopol 3 LT15
Appearance	white gel
Specific gravity at 20°C	1.03 ± 0.02 kg/dm ³
Ph at 20°	7.0 ± 1.0
Viscosity at 20°C (mPa.s)	2300 ± 200 mPa.s
Sediments	<0.1%
Surface tension at 3% (mN/m)	16 ± 2 mN/m
Interfacial tension at 3% (mN/m)	2 ± 1 mN/m
Freezing point	-15°C
Temperature of use	-13°C / + 50°C
Low expansion	> 7, foam expansion values depend on the equipment
Drainage time 25 %	> 10 minutes
Medium expansion	> 30, foam expansion values depend on the equipment
High expansion	> 400, foam expansion values depend on the equipment
Approvals / standards	EN 1568-3, EN 1568-4, Lastfire certificate, Bureau Veritas certificate

ORDER INFORMATION

Description	Unit Sales	Article n°
Bio-Ex Filmopol-3 AR: 3% - 20 liter per can	1	SG01951
Bio-Ex Filmopol-AR: 3% - 200 liter per can	1	SG01952

Bio-Ex Flufoam 3

FLUOFOAM 3 is a fluorosynthetic foam AFFF, based on the combination of surfactants selected for their foaming property and their resistance to dehydration and heat. The film-forming property AFFF gives to FLUOFOAM 3 a high speed of extinction on hydrocarbon fires thanks to the aqueous film which insulates the fuel surface from the air.



Bio-Ex Flufoam 3

Efficient on all hydrocarbon fires

Applications

FLUOFOAM 3 can be used with tap water, sea water and brackish water at 3% on hydrocarbon fires. It is compatible with dry extinguishing powders and it is suitable with all kind of known equipment.

Foaming power

FLUOFOAM 3 is usable at Low Expansion. This fluid foam is not contaminated on hydrocarbons and enables a forceful

application. FLUOFOAM 3 is usable at Medium Expansion to create a foam blanket to protect against burnback.

Fuel fires

FLUOFOAM 3 is efficient on all hydrocarbon fires, such as diesel, kerosene, petrol.

Environment

FLUOFOAM 3 is easily biodegradable.

TECHNICAL SPECIFICATIONS

Reference	Bio-Ex Flufoam 3
Appearance	yellow liquid
Specific gravity at 20°C	1.01 ± 0.02 kg/dm ³
pH at 20°C	8.0 ± 1.0
Viscosity at 20°C	4 ± 2 cStokes
Sediments	0%
Surface tension at 3%	17 ± 2 mN/m
Interfacial tension at 3%	2 ± 1 mN/m
Freezing point	-5°C
Temperature of use	0°C to +50°C
Low expansion	> 7, foam expansion values depend on the equipment
Drainage time 25%	> 2 minutes
Medium Expansion	> 40, foam expansion values depend on the equipment
Approvals	EN 1568-3, Bureau Veritas certificate

ORDER INFORMATION

Description	Unit Sales	Article number
Bio-Ex Flufoam: 3G% / LT15 - 20 liter, Freeze protected -15°C	1	SG01921
Bio-Ex Flufoam: 3% - 20 liter	1	SG01915
Bio-Ex Flufoam: 3% - 200 liter	1	SG01916

Bio-Ex Flufoam 6

FLUOFOAM 6 is a fluorosynthetic foam AFFF, based on the combination of surfactants selected for their foaming property and their resistance to dehydration and heat. The film-forming property AFFF gives to FLUOFOAM 6 a high speed of extinction on hydrocarbon fires thanks to the aqueous film which insulates the fuel surface from the air.



Bio-Ex Flufoam 6
Efficient on all hydrocarbon fires

Applications

FLUOFOAM 6 can be used with tap water, sea water and brackish water at 6% on hydrocarbon fires. It is compatible with dry extinguishing powders and it is suitable with all kind of known equipment.

Foaming power

FLUOFOAM 6 is usable at Low Expansion. This fluid foam is not contaminated on hydrocarbons and enables a forceful

application. FLUOFOAM 6 is usable at Medium Expansion to create a foam blanket to protect against burnback.

Fuel fires

FLUOFOAM 6 is efficient on all hydrocarbon fires, such as diesel, kerosene, petrol.

Environment

PROPOL 6 is easily biodegradable.

TECHNICAL SPECIFICATIONS

Reference	Bio-Ex Flufoam 6
Appearance	yellow liquid
Specific gravity at 20°C	1.01 ± 0.02 kg/dm ³
pH at 20°C	8.0 ± 1.0
Viscosity at 20°C	4 ± 2 cStokes
Sediments	0%
Surface tension at 6%	17 ± 2 mN/m
Interfacial tension at 6%	3 ± 1 mN/m
Freezing point	-3°C
Temperature of use	0°C to +50°C
Low expansion	> 7, foam expansion values depend on the equipment
Drainage time 25%	> 2 minutes
Medium Expansion	> 40, foam expansion values depend on the equipment
Approvals	EN 1568-3: class IB, Bureau Veritas certificate

ORDER INFORMATION

Description	Unit Sales	Articlenr
Bio-Ex Flufoam: 6% - 20 liter	1	SG01918
Bio-Ex Flufoam: 6% - 200 liter	1	SG01919
Bio-Ex Flufoam: 3X - 20 liter, freeze protected -10°C	1	25121010

Bio-Ex Hydropol 6

HYDROPOL 6 is a fluorosynthetic foam AR 6X6. The Alcohol Resistant property produces a thick layer – skin – if applied on any kind of fuels. The peculiar nature of our fluoropolymer gives outstanding burnback resistance. HYDROPOL 6 is pseudoplastic: its viscosity decreases when it is agitated. This property authorizes its use even at low temperature and low pressure.



Applications

HYDROPOL 6 can be used with tap water, sea water and brackish water at 6% on hydrocarbon and polar solvents fires as well as for the keeping of gaseous fumes: acids, HCl, NH₃. in Medium Expansion. It is suitable with all kind of known equipment.

Foaming power

HYDROPOL 6 is usable at Low, Medium and High Expansion.

Fuel fires

HYDROPOL 6 is efficient on hydrocarbon and polar solvents fires. HYDROPOL 6 can keep its water for a very long period. This outstanding property makes it highly efficient on polar solvents fires.

Environment

HYDROPOL 6 is easily biodegradable.

TECHNICAL SPECIFICATIONS

Reference	Bio-Ex Hydropol 6 x 6
Appearance	yellow gel
Specific gravity at 20°C	1.06 ± 0.02 kg/dm ³
Ph at 20°	7.0 ± 1.0
Viscosity at 20°C (mPa.s)	1000 ± 200 mPa.s
Sediments	< 0.1 %
Surface tension at 6% (mN/m)	23 ± 2 mN/m
Freezing point	-14°C
Temperature of use	-10°C + 50°C
Low expansion	> 7, foam expansion values depend on the equipment
Drainage time 25 %	> 10 minutes
Medium expansion	> 30, foam expansion values depend on the equipment
High expansion	> 400
Approvals	EN 1568-1, EN 1568-2, EN 1568-3, EN 1568-4 Navy: Bureau Veritas certificate

ORDER INFORMATION

Description	Unit Sales	Articlenr
Bio-Ex Hydropol-AR: 6% - 20 liter	1	SG01935
Bio-Ex Hydropol-AR: 6% - 200 liter	1	SG01936

Bio-Ex Filmopol 6x6



FILMOPOL 6 is a fluorosynthetic foam AFFF-AR 6X6. The film-forming property AFFF gives to FILMOPOL 6 a high speed of extinction on hydrocarbon fires thanks to the aqueous film which insulates the fuel surface from the air. The Alcohol-Resistant property produces a thick layer – skin – if applied on any kind of fuels. The peculiar nature of our fluoropolymer gives outstanding burnback resistance.

Applications

FILMOPOL 6 can be used with tap water, sea water and brackish water at 6% on hydrocarbon, on polar solvents fires as well as on special chemicals: acids, HF, HCl, amines, Butadiene, CS₂. It is compatible with dry extinguishing powders and it is suitable with all kind of known equipment.

Pseudoplastic

FILMOPOL 6 is pseudoplastic: its viscosity decreases when it is agitated. This property

authorizes its use even at low temperature and low pressure.

Foaming power

FILMOPOL 6 is usable at Low, Medium and High Expansion.

Fuel fires

FILMOPOL 6 is efficient on hydrocarbon and polar solvents fires.

Environment

FILMOPOL 6 is easily biodegradable.

TECHNICAL SPECIFICATIONS

Reference	Bio-Ex Filmopol 6x6
Appearance	white gel
Specific gravity at 20°C	1.00 ± 0.02 kg/dm ³
Ph at 20°	7.0 ± 1.0
Viscosity at 20°C (mPa.s)	1000 ± 200 mPa.s
Sediments	<0.1%
Surface tension at 6% (mN/m)	16 ± 2 mN/m
Interfacial tension at 6% (mN/m)	2 ± 1 mN/m
Freezing point	0°C
Temperature of use	+2°C / + 50°C
Low expansion	> 7, foam expansion values depend on the equipment
Drainage time 25 %	> 10 minutes
Medium expansion	> 30, foam expansion values depend on the equipment
High expansion	> 400, foam expansion values depend on the equipment

ORDER INFORMATION

Description	Unit Sales	Articlenr
Bio-Ex Filmopol-AR: 6x6 - 20 liter	1	SG01947
Bio-Ex Filmopol-AR: 6x6 - 200 liter	1	SG01948

Fire Plan Holder

This UPVC holder with weatherproof screw end cap comes complete with fixings and has been specifically designed to comply with the requirements of the SOLAS regulations. It hold fire plans up to size A1 to be accommodated without the need to fold the plan.

- Features**
 - suitable for standard fire plan and safety plan sizes, maximum A1 format
- UPVC holder with waterproof screw end cap
 - clear labeling for identification
 - complete with mounting brackets



Fire plan holder
UPVC material

TECHNICAL SPECIFICATIONS

Material	UPVC
Capacity	Holds folder of A1 format
Dimensions	Diameter: 110 mm, length: 1 meter
Color	Red
Approvals	In accordance with SOLAS

ORDER INFORMATION

Description	Unit Sales	Articlenr
Fire plan holder	1	SG04911

Dräger Nomex Fireman's Suit

Dräger would like to present its new line of firefighting clothes designed to the highest standards with one thing in mind: the firefighter. The new suit is the result of a close study of technical key features and usability of suits that are currently available in the market: the suit has been improved on eight key features as compared to the most readily available suits. Providing a safe barrier "between human will and fire's forces".



Dräger Nomex Fireman's Suit

A lightweight, durable and highly comfortable suit

Radiation heat barrier

A Kermel fleece that provides excellent thermal protection, these very thin layers found inside the layer concept, minimise the amount of water that can replace the critical insulation air space in the garment.

Membrane

A Hi-Tech polyurethane membrane coated on the outer radiation heat barrier. Ensures exceptional breathable characteristics and unmatched durability. Up to a temperature of 380°C, this membrane gives a good protection against heat and chemicals and will not melt.

Liner

A combination of Nomex and Viscose. The Nomex thread of this special weave method with the 2,5% Kevlar makes the liner strong. The fire retardant Viscose thread provides comfort and transports moisture to the outside of the liner. The multi-layer configuration ensures that each layer accomplishes its part of the job.

Air layers and thermal barriers

The protective value of the "ESS® 5 layer system" in combination with the fabric composite is found in the air between the fire fighter and the heat source. Air itself is the greatest single source of insulation qualities in protective clothing. Sandwiching stitching inside the facing cloth is therefore never used. All the layers are not stitched to each other; this improves the thermal insulation value (TPP) by protecting the moisture barrier and creating multiple air spaces between the very thin layers.

Comfort

The used layer system creates a lightweight, durable and highly comfortable garment without compromises to the suits protective features.

Quick Release Breakaway Zippers

Specially designed for military, firefighter and chemical suits. Ideal for situations where it's desirable to tear the zipper open without having to move the zipper all the way back.

Anti Aqua

High-Tech coated polyester fabric in sleeves, trouser legs, storm flap, back piece and pocket flaps. Prevents water and chemicals to easily enter the lining of the suit.

Eyelets

To quickly drain fluids from the suits pockets.

External padding

The suit features external protective pads on the knees and the elbows. Most other suits have their padding installed on the inside of the pants and do not use padding for elbows. Using padding for both elbows and knees increases user comfort. In addition using padding on the outside helps to protect the suit from damages on its most fragile parts.

Rounded pocket flaps

By using rounded pocket flaps the chances of being caught behind protruding parts when in action are reduced. In addition the rounding of the corners reduces wear and tear on the fabric in everyday use.

TECHNICAL SPECIFICATIONS

Type of material	NOMEX® III, 220 g/m ²
Inner material	Jacket and trouser: NOMEX, 93% Meta-Aramid, 5% Para-Aramid, 2% Static Control Stitching: NOMEX Liner: NOMEX fleece (heat barrier), NOMEX fleece with Hi-Tech PU breathable membrane, NOMEX viscose FR lining

Dräger Nomex Fireman's Suit

Pockets	Jacket: Two side pockets with flaps, one inside pocket and one radio pocket on each chest Trousers: 2 box pockets on thighs. Inverse pocket in both sides
Color	Orange with reflective striping
Sizes	S - XXL
Approvals	EN469:2005, MED

ORDER INFORMATION

Description	Unit Sales	Articlenr
Dräger Nomex Fireman's Suit, size S	1	SG03701
Dräger Nomex Fireman's Suit, size M	1	SG03702
Dräger Nomex Fireman's Suit, size L	1	SG03703
Dräger Nomex Fireman's Suit, size XL	1	SG03704
Dräger Nomex Fireman's Suit, size XXL	1	23110074

Dräger Fireman's Suit Techs-Gold



Dräger Fireman's Suit Techs-Gold

A lightweight, durable and highly comfortable suit

A specially designed unique Techs-Gold fabric. Built from super strong filament yarn. A fabric with an excellent resistance to wear and tear. The filament yarn is a completely Dutch product, built from 53% Technora, 45% Teijinconex and 2% antistatic fibre. The new suit is the result of a close study of technical key features and usability of suits that are currently available in the market: the suit has been improved on eight key features as compared to the most readily available suits. Providing a safe barrier "between human will and fire's forces".

Features

- Quick release zip.
- Perforated striping for increased water vapor permeability.
- Integrated hook for tools or gloves.
- Keprotec/Kevlar foam pads on crucial areas, such as the shoulders and elbows.
- Comfortable and durable for the ultimate protection.
- Increased water vapor permeability because of strategically placed Orings.
- Integrated pocket on the front, inside and both sides. Ideal for tools or other objects.
- Perforated striping for increased water vapor permeability.
- Keprotec/Kevlar foam pads on crucial areas, such as the shoulders and elbows.
- Comfortable and durable for the ultimate protection.
- Integrated zip for easier dressing and undressing.

Radiation heat barrier

A fleece layer of Basofil (Melamine), which offers outstanding protection against heat. This thin layer within the layer system maximizes the water vapor permeability. The insulating air layers within the suit increase the heat resistance.

Membrane

A Hi-Tech PTFE bico membrane coated on the radiation heat barrier. This layer provides the outstanding water vapor permeability of the garment. This has an extraordinary durability. This membrane provides excellent protection against heat and chemicals. It will not melt or disintegrate.

Radiation heat barrier

A second Kermel fleece layer. To double the heat resistance. This thin layer within the layer system maximizes the water vapor permeability. The insulating air layers within the suit increase the heat resistance.

Liner

A combination of Nomex and Viscose FR. The Nomex threads of this special fabric with 2,5% Kevlar make the lining stronger. The flame-retardant viscose threads provide an unparalleled level of comfort. They transport fluids and transpiration away from your body. This multi-layer configuration provides a perfect combination of features, each doing their part of the job.

Air layers and thermal barriers

The outstanding protective features of the "ESS®5 Layer System" are the result of an ideal combination of fabric composition and stationary air between these layers. Stationary air provides the best insulation. Because of this we never sew our layers directly onto each other. This provides the insulating quality (TPP). The variety of layers each create multiple stationary insulating layers of air between the thin layers.

Comfort

The layer system creates a light, although very durable and strong product. It's very comfortable without having to compromise the protective features of the product.

TECHNICAL SPECIFICATIONS

Type of material	NOMEX® III, 220 g/m ²
Inner material	Jacket and trouser: NOMEX, 93% Meta-Aramid, 5% Para-Aramid, 2% Static Control Stitching: NOMEX Liner: NOMEX fleece (heat barrier), NOMEX fleece with Hi-Tech PU breathable membrane, NOMEX viscose FR lining

Dräger Fireman's Suit Techs-Gold

Pockets	Jacket: Two side pockets with flaps, one inside pocket and one radio pocket on each chest Trousers: 2 box pockets on thighs. Inverse pocket in both sides
Color	Orange with reflective striping
Sizes	S - XXL
Approvals	EN469:2005, MED

ORDER INFORMATION

Description	Unit Sales	Articlenr
Dräger Fireman's Suit Techs-Gold , Size: S	1	SG03791
Dräger Fireman's Suit Techs-Gold, Size: M	1	SG03792
Dräger Fireman's Suit Techs-Gold, Size: L	1	SG03793
Dräger Fireman's Suit Techs-Gold, Size: XL	1	SG03794
Dräger Fireman's Suit Techs-Gold, Size: XXL	1	SG03795

SECO Fireman's Suit - Yellow

The SECO firemans suit is specifically designed for firefighting where protection from radiant heat and direct flames is a priority.



SECO Fireman's Suit

Protection from radiant heat and direct flames

Features

- The Seco suit is manufactured from fire resistant natural fibre. It has been treated with Proban and a water repellent finish, which can withstand 50 washes without degradation.
- The jacket consists of a two layer construction, high collar protection and hook and loop fastener front fastening.
- The trousers consists of a two layer construction and complete with a set of braces.

- The lower leg is closed with touch and close straps.

Accessories

The suit is manufactured in a universal size to fit Large (up to 1,80m). The suit is delivered in a holdall including all accessories such as helmet, boots, fire fighting gloves and electrician gloves for use when extinguishing electrical fires.

TECHNICAL SPECIFICATIONS

Color	Yellow
Approvals	EN 531/EN532/EN 20811: Suit EN 443 : Helmet EN 659 : Leather gloves EN 60903 : Electrician gloves EN 345 S5 : Rubber boots MED approved

ORDER INFORMATION

Description	Unit Sales	Articlenr
SECO Fireman's suit - Yellow - complete set, size: XL	1	23110040

SECO Fireman's Suit - Aluminised

It is specifically designed for firefighting where protection from radiant heat and direct flame is a priority. This suit is manufactured in universal size, is waterproof and can be easily cleaned after use.



Features

- jacket: unlined, high collar protection, hook and loop fastener fastening
- trousers: unlined, with adjustable braces
- helmet: heavy duty Kevlar Helmet complete with chinstrap, sweatband, fully adjusting visor and aluminised neck cape protection
- gloves: heat, water, chemical and oil resistant shearguard leather, with knitted cuff and 100% Kevlar Lining. Electrically non-conducting rubber gloves, 650 volt working.
- boots: electrically non-conducting rubber boots with steel mid-sole and toe cap protection, approved to EN345 S5.
- all above in Heavy Duty PVC Holdall

SECO Fireman's Suit

Waterproof and easy to clean

TECHNICAL SPECIFICATIONS

Color	Aluminised
Approvals	EN 531/EN532/EN 20811: Suit EN 443 : Helmet EN 659 : Leather gloves EN 345 S5 : Rubber boots

ORDER INFORMATION

Description	Unit Sales	Articlenr
SECO Fireman's suit - Aluminised - complete set, size: XL	1	23110011

Nomex Fireman's Coverall

The Nomex Fireman's coverall is a navy dark blue or orange suit with reflective striping. The Nomex suit is manufactured from fire resistant natural fibre, It has a water repellent finish, which can withstand 50 washes without degradation.



Features

- one piece coverall
- front zipper extending to collar
- lace intake at waist. Snap hook in right pocket
- the coverall is provided with shoulder straps, microphone strap on right chest, loop fastener for name/logo on left chest and an extra layer of knitting on shoulders
- knee pad pockets with pads and pre-bent knees
- elastic intake at waist on the back part of trousers
- anti-wicking barrier at bottom of trouser legs

Nomex fireman's coverall

One piece fireman's coverall

TECHNICAL SPECIFICATIONS

Type of material	NOMEX® III, 265 g/m ²
Inner material	Coverall: Quilted felt 175g/m ² + NOMEX® / viscose 125g Stitching: Aramid Wristlets: NOMEX® knitted wristlet with thumb hole
Pockets	Two side pockets with flaps, one inside pocket and one radio pocket on each chest. 2 box pockets on thighs. Inverse pocket in both sides.
Color	Navy Dark Blue or Orange with reflective striping
Sizes	S / M / L / XL / XXL
Approvals	CE approved according to EN 469-2005 and 96/98/EC SOLAS

ORDER INFORMATION

Description	Unit Sales	Article n°
Nomex fireman's coverall, blue with striping	1	23110047
Available in sizes S - XXL, mention size when ordering		

Fire fighter hood

Nomex hood for fire fighters.



Features
Elastic inside at face opening.

Nomex hood
For fire fighters

TECHNICAL SPECIFICATIONS

Color	Grey
Size	One size
Material	Nomex/Viscose knit, 50/50, 235 g/m ²
Approvals	EN 13911

ORDER INFORMATION

Description	Unit Sales	Articlenr
Flash hood: Nomex III	1	SG03881

Dräger Firemans Gloves

Best quality leather for the best protection.



Dräger fireman's gloves
Great protection for hands

General

These gloves are completely sewn with Kevlar. Between all seams, a leather tubing, which protects the Kevlar, can be seen. This extends the lifespan of the glove. The palm features an extra strong leather inside.

A piece of leather is sewn on the cuff as an additional radial artery protection. The glove is equipped with elastic so the glove will fit perfectly.

The Porelle breathable membrane ensures the user a breathability and protects the user against water and chemicals.

The knitted Kevlar lining provides high wearing comfort. The Kevlar elastic cuff fits well around the wrist and provides great protection for the user.

Features

- Material: Cowskin and fire resistant grain leather
- Membrane: Porelle breathable liner
- Liner: Knitted Kevlar (para Aramide fibre)
- Cuff: Knitted Kevlar with Spandex for elastic facility
- Stitching: Kevlar yarn
- Standard sizes: 7/S – 8/M – 9/L-10/XL-11/2XL

Porelle liner

- Keeps you dry and comfortable
- Innovative functional technology
- High moisture diffusion and drying ability
- Fire retardant and high capacity breathability
- Keeps your body temperature in balance

TECHNICAL SPECIFICATIONS

Color	Yellow
Fabric	Leather palm and backhand Knitted wrist Kevlar inner lining
Approvals	EN 659, EN 420, EN 388, EN 407 and MED approved

ORDER INFORMATION

Description	Unit Sales	Articlenr
Dräger Firemans Gloves, size S, MED approval	1	SG03741
Dräger Firemans Gloves, size M, MED approval	1	SG03742
Dräger Firemans Gloves, size L, MED approval	1	SG03743
Dräger Firemans Gloves, size XL, MED approval	1	SG03744
Dräger Firemans Gloves, size XXL, MED approval	1	SG03745

Fireman's Boots

Comfortable boots with reinforced toes and mid sole. Heat and oil resistant rubber sole with protection against penetrating nails. Approved according to EN345-2 and SOLAS/MED.



Fireman's Rubber Boots

Meets the heat and flame resistance requirements

Safe

The fireman's boot is an EC-approved safety boot and is produced in compliance with the PrEN 345 standard, section 2, category S5. In this way our fireman's boot meets the most stringent heat- and flame resistance requirements. Thanks to these specific characteristics and their broad fit our boots are particularly appreciated among fire fighters, civil protection and rescue services.

Flexible - elastic and supple

In contrast to PVC, which is a stiff material, especially at temperatures under 15°C, the flexibility of rubber makes the boots pleasant to wear. In addition the boots adjust to the feet without pinching. The elasticity of rubber combined with the cotton stretch lining increase comfort, while putting them on, when wearing them and when removing them. The suppleness of rubber provides unequaled wearing comfort. The natural spring contributes to healthier ergonomics for the feet.

TECHNICAL SPECIFICATIONS

Color	Black and yellow
Sizes	36 - 50
Type of construction	Vulcanized rubber upper and sole
Rubber components	Black/yellow in color, 65% natural rubber, 30% styrene butadiene rubber and 5% chloroprene rubber
Sole/heel	Oil resistant - Immersion in iso-octane (22 hours at 22°C) 12% max change in volume Abrasion resistant - DIN 53516: 250mm 3 max. Hardness shore A: 65 ± 5
Steel midsole	One piece stainless steel, meets CSA-Z195-02 sole penetration and EN345 flexing test
Steel toe	Meets EN 345 impact and compression
Chemical resistant	Upper - Resistant towards mild acids and alkali Sole - Resistant towards mild acids
Approvals	European standard, CE approved - EN 345-2: 1996 (SBFP-E-HRO-CI) and UK office A29, CSA Z195-02 - Canadian standards association (PR EH), ANSI - American national standard Z41PT99 (I/75 C/75)

ORDER INFORMATION

Description	Unit Sales	Articlenr
Fireman's Boots, size 36	1	SG03721
Fireman's Boots, size 37	1	SG03722
Fireman's Boots, size 38	1	SG03720
Fireman's Boots, size 39	1	SG03723
Fireman's Boots, size 40	1	SG03724
Fireman's Boots, size 41	1	SG03725
Fireman's Boots, size 42	1	SG03726
Fireman's Boots, size 43	1	SG03727

Fireman's Boots

Description	Unit Sales	Article nr
Fireman's Boots, size 44	1	SG03728
Fireman's Boots, size 45	1	SG03729
Fireman's Boots, size 46	1	SG03730
Fireman's Boots, size 47	1	SG03731
Fireman's Boots, size 48, SOLAS approved	1	SG03732

Fireman's Boots Herkules S3 5526-0

Comfortable boots for protection against heat and foot injuries and injuries caused by slipping, pushing, pinching, falling or sliding objects.



Fireman's Boots Herkules 5526-0

Meets the heat and flame resistance requirements

Features

- Upper material: natural, heat-resistant and waterproof cowhide leather with smooth grain, black colour.
- Lining: natural cowhide leather - in addition to the comfort, the properties of this leather increase hygiene of wear, because the moisture that appears during the use is drained through the leather of the lining. As a result, the skin of the feet does not overheat, does not attrition and does not infuse, without causing discomfort to the user.
- Special construction of the tongue prevents the penetration of dust or dirt inwards the shoe.
- F2A: footwear for firefighters type 2, with antistatic properties, construction type C.
- An additional rubber cover protection sewn to the tip of the shoe prevents an attrition and mechanical damages of leather at front part of the upper.
- Steel toecap: protecting against impact with energy up to 200J and 15kN crush force.
- Steel insole: resistant to puncture up to 1100N.
- HI3: third level thermal resistance-level of heat insulation at 250°C/40 min.
- Double zipping system: zipper and laces.
- Zipper handle blocker
- Reflective inserts
- Easy donning
- Ventilated two-layer insole pad (outer part - natural leather, inner part - foam, both parts sewn together), with additional layer of special foam in the heel section to increase the comfort of use.
- Sole: top quality heatproof rubber, resistant to high temperatures, oils, weak acid and alkaline, antiskid SRC.
- Shock-absorber protection for shock absorption in the heel part while walking.
- Assembly system: gluing

TECHNICAL SPECIFICATIONS

Color	Black
Sizes	36 – 48 (special sizes 49 and 50)
Sole/heel	Molded rubber sole with 6 mm profile Heat-resistant up to 300 °C SRC rated slip resistant Incorporated stainless steel soleplate
Weight	2.1 kgs
Height	22 cm in size 8
Approvals	Protection class F2A HI3 SRC according to the requirements of European standard for firefighting boots EN 15090:2012

ORDER INFORMATION

Description	Unit Sales	Articlenr
Herkules Fireman's Leather Boots, size 6 / 39	1	23112003
Herkules Fireman's Leather Boots, size 7 / 40	1	23112051
Herkules Fireman's Leather Boots, size 8 / 41	1	23112052
Herkules Fireman's Leather Boots, size 9 / 42	1	23112053
Herkules Fireman's Leather Boots, size 10 / 43	1	23112054
Herkules Fireman's Leather Boots, size 11 / 44	1	23112055
Herkules Fireman's Leather Boots, size 12 / 45	1	23112056

Fireman's SA Boots

Boots for emergency situation and fire with toxic chemicals emission.



Features

- safety toe cap
- anti-perforation mid-sole
- resistance to heat flow, heat contact, fire
- resistance to chemicals: fuels, oils, weak and diluted acids, solvents
- resistance to abrasion and cuts
- used with chemical protective suits (satisfy permeation tests according to EN 943-2)

Fireman's SA Boots

Meets the heat and flame resistance requirements

TECHNICAL SPECIFICATIONS

Color	Black
Sizes	36-50
Type of construction	Elastomer: fireproofed NBR (fireproofed nitrile rubber)
Steel midsole	Composite anti-perforation mid-sole
Toe	Polymer toe cap (steel toe for sizes 36, 37, 38)
Weight	1900g / pair (size 42)
Height	370mm (size 42)
Approvals	EN 943-2 EN 15090 type 3 HI3 EN ISO 20345 S5 HRO SRC EN 13832-3 J P Q EN 13287 Marine fire protection equipment certified by SEE-BG, notified body N°0736 MED approved

ORDER INFORMATION

Description	Unit Sales	Article nr
Fireman's Boots, size 36	1	SG03746
Fireman's Boots, size 37/38	1	SG03747
Fireman's Boots, size 39	1	SG03749
Fireman's Boots, size 40/41	1	SG03751
Fireman's Boots, size 42	1	SG03752
Fireman's Boots, size 43	1	SG03753
Fireman's Boots, size 44	1	SG03754
Fireman's Boots, size 45	1	SG03755
Fireman's Boots, size 46/47	1	SG03756
Fireman's Boots, size 48	1	23112026

Safety Boots - Cherokee - S3

There is a need for 'basic' footwear, stripped from all things that could be regarded as 'luxury', but with all major safety and comfort properties 'on board'.



Features

- ankle support
- slip resistance
- S3
- non-metallic
- lightweight

- fine leather quality
- extra rigid leather parts
- easy access zip
- anti-perforation textile Enigma T-system
- oil hydrocarbons resistant
- anti-static

Safety Boots Cherokee

Slip resistance, S3

TECHNICAL SPECIFICATIONS

Manufacturer / Type	Roots / Cherokee
Color	Black
Sizes	38 - 50
Boot height	22.8 cm (9")
Toecap	Multi-layer fiber glass 200J
Midsole	Texon anti-perforation midsole S3
Sole	Inner sole soft PU / outsole hard PU
Heat resistance sole	Up to 170°C
Slip resistant modulus	0.41
Scuff cap	Direct injected PU
Weight (EU43 / UK9)	1.72 kgs
Approvals	UNI EN ISO 20345:2012, CE

ORDER INFORMATION

Description	Unit Sales	Articlenr
Safety Boot, size 38	1	07107138
Safety Boot, size 40	1	07107140
Safety Boot, size 41	1	07107141
Safety Boot, size 42	1	07107142
Safety Boot, size 43	1	07107143
Safety Boot, size 44	1	07107144
Safety Boot, size 45	1	07107145
Safety Boot, size 46	1	07107146
Safety Boot, size 47	1	07107147
Safety Boot, size 48	1	07107148
Safety Boot, size 50	1	07107149

Dräger HPS 7000 Fireman's Helmet

The Dräger HPS 7000 firefighter's helmet is in a class of its own thanks to its innovative, sporty and dynamic design, ergonomic fit and components which make it a multi-functional system solution. It provides you optimum protection during every operation.



Dräger HPS 7000 fireman's helmet
Tailor-made fit for every head

Tailor-made fit for every head

Two helmet shells for head sizes from 50 to 66 cm cover a wide range of individual head and face shapes. With a weight of approx. 1,380 g as basic version, it is one of the lightest helmets in its class. In addition to its comfortable interior fitting made of skin-friendly, anti-allergic and flexible materials, the Dräger HPS 7000 stands out with its high level of operating and wearing comfort.

Comfort is a matter of position

The padded 4-point harness allows for safe and easy adjustment to any head shape. The optimum balance of the helmet can be adjusted individually in the neck and chin area. The padding made of Nomex also ensures a comfortable fit. The integrated comfort hairnet enables the height to be adjusted and assures a good climate inside the helmet. During operation, the head size can be adjusted quickly via an easy-to-operate size adjustment wheel with safety mechanism on the outer shell, even with wet and thick gloves.

Design at its strongest

The ergonomic helmet design evenly distributes the weight to the head and relieves the neck muscles. The large and modern facial protection visor offers unrestricted protection with best visibility. For operations under chemical protective suits, the visor can be fixed permanently. A safe alternative is provided by the integrated and individually adjustable protective goggles with integrated softpad edge protection. Both visors leave enough space for the simultaneous use of corrective glasses or respiratory masks.

Innovative system design

As a provider of integrated system solutions, Dräger sets new standards for the interaction of its products. The universally and individually adjustable mask connection system of the Dräger HPS 7000 creates a strong and safe helmet-mask combination. The full-face mask FPS 7000, the integrated mask communication unit FPS 7000 COM-PLUS and the SCBA of the PSS series allow you to optimally configure the overall system. The light-weight LED helmet lamp is integrated

into the helmet shell and illuminates the whole working area. It is located in the centre of the front plate and has an effective glare 2012shield as well as intelligent battery management system. The interior fitting can be equipped with various audio/speech headsets for different radios. This ensures reliable communication even in loud environments.

Highest safety - the material mix makes the difference

Despite its low weight, the Dräger HPS 7000 is one of the safest full-shell helmets in its class. Its outer shell of composite material in combination with the PUR inner shell provides reliable protection against thermal and mechanical influences. The plastic reinforced with glass fibre and aramide webbing resists extreme temperatures. It is even able to withstand the enormous radiation heat and flame engulfment of a flash over. The visors of high temperature resistant polyether sulphone reliably protect your eyes and face against high heat, particles and liquid chemicals.

Nothing left to be desired

A comprehensive accessory program completes the Dräger package. Reflective strips improve your visibility under unfavourable conditions and allow for individual marking. matched to your clothing, the various neck protection versions reliably keep your back free. Separate helmet lamps are attached with a lamp adapter on the right or left helmet side. A Nomex coating protects your helmet in any training situation and extends its service life. Helmet bags and cases provide safe storage and transport.

Ready again in no time at all

The Dräger HPS 7000 is easy and efficient to service due to the minimum number of components. The entire interior fitting can be removed and re-installed in just a few steps. You can replace individual components easily and quickly, using standard tools. All helmet components are cleaned and disinfected manually or in industrial washing machine.

Dräger HPS 7000 Fireman's Helmet

TECHNICAL SPECIFICATIONS

Size	H1: for head size 52 to 60 and optional for 50/51 (when using a separate padding strip), H2: for head size 56 to 64/66, continuously adjustable via adjustment wheel (available 2014)
Weight	Approx. 1,380 g (±5%)
Color	Luminescent, pure white, red, signal blue, zinc yellow, black, bright yellow, other colors on request
Mask connection (only PRO version)	Option to attach any adapter mask, e.g. Dräger FPS 7000, 4 positions adjustable
Interior fitting	Flame-resistant and washable 4-point harness made of Nomex, sweat band of eco leather, head support ring with wheel adjustment system (patent pending), integrated comfort hairnet, fixing lever for facial protection visor and communication adapter
Material, outer shell	composite consisting of glass fibre reinforced plastic (PA-GF) and additionally reinforced with aramide webbing, high temperature resistant
Facial protection visor	2.5 mm polyether sulphone, anti-scratch coated (optional), approved acc. to EN 14458:2004 (±40 °C, T, N, K, AT, R, E3) clear or gold-coated version
Protective goggles (only for PRO version)	2.5 mm polyether sulphone with softpad edge protection, anti-scratch coated (optional), approved acc. to EN 14458:2004 (±40 °C, T, N, K, AT, R, E3), clear or tinted version, 2 positions adjustable
Approvals	EN 443:2008 (type B 3b, C, E2, E3, -40 °C), mask-helmet combination acc. to DIN 58610

ORDER INFORMATION

Description	Unit Sales	Articlenr
Dräger HPS 7000, luminescent	1	R79170
Dräger HPS 7000, white	1	R79171
Dräger HPS 7000, PRO luminescent/matt black	1	R79250
Dräger HPS 7000, PRO white/matt black	1	R79251
Dräger HPS 7000 - neck protection Nomex / Aluminium	1	R79145
Dräger HPS 7000 - neck protection Nomex / short	1	R79146
Dräger HPS 7000 - neck protection Nomex, neck curtain, three-layer	1	R79147
Dräger HPS 7000 - helmet lamp, LED, integrated	1	R79013
For Dräger HPS 7000 and HPS 7000 PRO, to attach the integrated LED helmet lamp, order separately:	1	R79226
E-kit front plate for Dräger HPS 7000 helmet lamp		
Lamp holder Dräger HPS 7000 (for helmet lamps Dräger PX1)	1	R79129
Helmet lamp Dräger PX 1 LED	1	R62350
Helmet lamp Dräger PX 1 XENON	1	R57816

Dräger HPS 6200 Fireman's Helmet

The Dräger HPS 6200 – a firefighter's helmet in a class of its own. Optimum protection even at extreme temperatures. High wearing comfort and a good climate inside the helmet. A wide range of accessories is available to complete the head-protection system.



Dräger HPS 6200 fireman's helmet

Fire fighter's helmet in pure white with amber-tinted visor

High Thermal

The Dräger HPS 6200 is characterised by high thermal stability achieved through the helmet shell being made of high-temperature resistant Duroplast material reinforced with aramid fabric which can resist open flames as well as radiant heat.

Wearer protection

The HPS 6200 protects the head against penetration and impact even under high thermal stress. As the helmet shell has been compression-molded using the SMC method and furnished with an optimised finishing, the Dräger HPS 6200 features an extremely high protection levels.

Adaptable use

Adaptation systems allow the HPS 6200 to be used in conjunction with the with the FPS 7000 or Panorama Nova full face mask. Three different helmet-mask adapters are available: Supra-connection, S-fix or Q-fix connection.

The helmet with the least weight presently on the market according to the new standard EN 443:2008.

Wearer comfort

The padded interior ensures reduced pressure on the wearers head during use and the integrated flame and heat barrier ensures a comfortable temperature within the helmet. The improved ear clearance at the chin strap provides optimised acoustics and thanks to the new hook and loop fastener fastener, the chin strap can be adjusted quickly and easily.

Accessories

A wide range of accessories can be used with the HPS6200: mask connections, varying colours for helmet shells and front plates, adapters for communication systems, lamp holders or ear protectors are available. These components will already be integrated into the helmet on receipt of order.

TECHNICAL SPECIFICATIONS

Size	Universal size, continuously adjustable for head sizes 52 to 64 or optionally 50/51 with additional pad
Weight	Appr. 1,365 gr
Color	Luminescent, pure white, red, signal blue, zinc yellow, black, bright yellow, other colors on request
Mask connection	Suitable for connection of the Dräger FPS® 7000 masks and masks with Supra-adapter
Inner liner	Flame-resistant, washable harness made of Nomex, headband of "eco-leather" head support ring with quick-adjustment system for wearing of full-face masks with hairnet or 5-point harness
Fastening system	3-point chinstrap of Nomex/Aramide with padding, hook and loop fastener fastener and quick-release buckle
Visor	mm polysulfone (amber-tinted), anti-scratch coating and grip tabs on both sides approved to EN 14458; 2nd visor version (as described above), but gold-coated
Insulation resistance	E2, E3
Radiant heat	14 kW/sq m
Low-temperature stability	down to -40 °C
Approvals	prEN 443:2006, EN 443:1997, mask-helmet combination to DIN 58610, Nord Test (as Dräger HPS 6100)

Dräger HPS 6200 Fireman's Helmet

ORDER INFORMATION

Description	Unit Sales	Articlenr
Dräger HPS 6200, base version with 'Romanic' front plate (color: matt black), luminescent	1	R57255
Dräger HPS 6200, base version with 'Romanic' front plate (color: matt black), white	1	R57256
Dräger HPS 6200, base version matt black helmet front plate, white	1	R56530
Neck curtain, Nomex Aluminium with reverse side of Nomex III	1	R56622
Neck curtain, Wool Long (Dutch type), 100% wool, oil- and waterrepellant, flame-retardant, edged at bottom with Nomex III	1	R56623
Neck curtain, Nomex short and tight fitting, Nomex impregnated with fluorocarbon	1	R56620
Helmet lamp Xenon	1	R57816
Lamp holder S-Fix, of high temperature resistant black plastic	1	R56700
Lamp holder Q-Fix, made of high temperature resistant black plastic	1	R56950
Mask adapter retrofit kit Q-Fix, fixing to position points on the helmet instead of the mounted plate for S-Fix	1	R56824
Chinstrap with hook and loop fastener fastening	1	R56536
Anti-fog agent, for all visors	1	R56542
Adapter ring for Savox coms	1	R56828
Adapter for communication system, Right	1	R56825
Spare parts set for mask attachment	1	R56144

Dräger HPS 4500 Fireman's Helmet



Dräger HPS 4500 fireman's helmet
Comfortable and easily adaptable

The Dräger HPS® 4500 is a traditional half-shell helmet with a modern design. Its robust outer shell provides you with excellent protection against impact and extreme heat. With a modern visor design, the helmet has superior wearer comfort due to ergonomic and lightweight internal components. A comprehensive range of accessories make our solution a truly versatile helmet across a variety of applications.

Hard shell

The outer shell is characterised by a robust and resistant design. The combination of high-temperature-resistant Duroplast and latest aramid fabrics protects you both against falling debris and the heat of naked flames. The outer shell, pressed using a special method (SMC* method) provides the HPS® 4500 with exceptional stability. At the same time it is one of the lightest helmets of its class and meets the requirements of the new standard EN 443:2008 – type A (half shell).

High wearing comfort and easy operation

The HPS 4500 features modern and comfortable internal helmet components. The 4-point harness can be adjusted both in the neck area as well as in the temple area via a simple tensioning system. The convenient adjusting wheel allows you to adjust the fit of the helmet even with thick gloves. The integrated hair net allows for height adjustment, and at the same time, ensures a comfortable cool climate inside the helmet. The harness made of fire-resistant Nomex®/aramid fabric and the sweatband made of eco-leather are washable using common detergents.

Heat and scratch resistant visor

The large visor of the HPS 4500 reaches down to the chin area. It is made of thermally high-resistant Polyphenylsulfon material and therefore suitable for interior fire fighting. The visor is approved according to EN 14458 and classified as "face guard". Therefore the visor provides the greatest possible protection without any interference in your field of vision. The visor has anti-scratch coating on both sides.

Comprehensive accessories for every challenge

Dräger offers you a wide range of accessories for the most varied applications during fire fighting. You can optimize and individualize your helmet to these various challenges by choosing between numerous versions of neck guards, face protections, helmet lamps and communication systems – all of which can be quickly and easily attached to the HPS 4500.

- * SMC (Sheet Molding Compound) – Duroplast, reinforced with aramid fibre cloths; for a higher performance of the entire helmet.
- Nomex® is a registered trademark of DuPont.
- Parasnap® is a registered trademark of Parat.
- Pinlock® is a registered trademark of Pinlock.

TECHNICAL SPECIFICATIONS

Size	H2: 48 to 61, H3: 56 to 64, freely adjustable
Weight	H2: 995 g +/- 5%, H3: 1,060 g +/- 5%
Outer shell	GRP = Glass fibre reinforced duroplastic, high-temperature resistant, specially reinforced with aramid fabric
Inner helmet components	Flame-resistant and washable harness made of Nomex®/aramid, eco-leather sweatband with PU foam padding, polyester hair net
Visors (optional selections)	2 mm Polyphenylsulfon (amber), anti-scratch coating on both sides, approved according to EN 443:2008 and EN 14458:2004, or 2 mm polycarbonate (clear), approved according to EN 14458:2004
Insulation resistance	E2, E3
Radiant heat	14 kW/m ²
Cold resistance	up to -40°C

Dräger HPS 4500 Fireman's Helmet

Approvals	EN 443:2008 - Type A, shipping approvals in accordance with SOLAS and MED
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ORDER INFORMATION

Description	Unit Sales	Articlenr
Dräger HPS® 4500, luminescent, size H2	1	R62451
Dräger HPS® 4500, red, size H2	1	R62455
Dräger HPS® 4500, fluorescent yellow, size H2	1	R62459
Visor - Dräger HPS® 4500-PC AS/AS, size H2	1	R62494
Visor - Dräger HPS® 4500, PPSU AS/AS, size H2	1	R62496
Neck guard, Nomex® short	1	R56620
Neck guard Nomex®, Belgian version (shell version), 4 layers	1	R56621
Neck guard, aluminium/Nomex®	1	R56622
Neck guard, wool, Dutch shroud	1	R56623
Neck guard Nomex®, Dutch shroud version (shell version)	1	R58015

Bullard Fireman's Helmet

Firedome FXE helmets are designed to give firefighters the extra edge that tips the odds in their favor. Featuring contemporary styling, these helmets incorporate recommendations from veteran fire professionals from around the world. The result is an integrated assembly of advanced materials and quality components that provide outstanding head protection, superior comfort, long-lasting durability and proven on-the-job performance.



Bullard Fireman's Helmet

Comfortable wear, quick and easy sizing

Features

- superior comfort - A low center of gravity provides the FXE with a balanced and stable fit, increasing overall comfort.
- quick, easy sizing - Bullard's Sure-Lock® ratchet headband adjusts to wearer's head with a quick turn of the knob. Additional adjustment points permit custom fit, personalised balance and interface with the SCBA.
- tough and durable protection - The outer shell of the FXE is made of fiberglass and is more resistant to chemical attack and more stable at extreme temperatures than those made of thermoplastic. The color is molded through the shell.

- cost-effective maintenance - Bullard helmets are designed from the start to make maintenance simple and cost effective. For example, the browpad can be easily removed and cleaned. competitive helmets have browpad sewn into the headband making an awkward cleaning and very expensive replacement.
- maximum visibility - FXE helmets feature 3M Scotchlite® striping which retains reflectivity to 260° C (500° F). That makes Scotchlite the toughest material available for helmet markings.

Unique face shield

FXE helmets also feature the unique R310 optically-correct face shield. The R310 eliminates distortion and reduces eye stress and fatigue.

TECHNICAL SPECIFICATIONS

Size	52-62
Colors	Available in yellow, red, black and white
Approvals	CE EN443 EN166

ORDER INFORMATION

Description	Unit Sales	Article nr
Bullard Fireman's Helmet FXE	1	SG03901
Bullard Fireman's Helmet, neck curtain, FXE	1	SG03904
Bullard Fireman's Helmet, face shield, FXE	1	SG03903
Bullard Fireman's Helmet, face shield mounting kit	1	SG03905

Dräger UCF 9000 Thermal Imaging Camera

The Dräger UCF 9000 thermal imaging camera is suitable for all offshore apps. The camera can be used for rescue operations, technical assistance, hazmat operations, monitoring as well as search for hot spots and hidden fire.



Dräger UCF 9000 Thermal Imaging Camera
Easy to use, small, light weight and EX approved

Always have a hand free

The UCF 9000 is a compact design. The holding hand also operates all functions. Buttons and keys are quickly selected with the thumb or index finger. With its robust support the UCF is conveniently at hand even while you are crawling on all fours: Simply support yourself against the ground with the device's crawlplate support.

Crystal clear images

Even when the visibility is extremely poor, the UCF 9000 will still deliver first-rate image quality and detailed precision. With its 384 x 288 pixels it offers an extremely high resolution, and thus provides 44% more detail than other fire fighting thermal imaging cameras. Its 57° field of view (horizontal) provides you with an extra-large overview of the situation. To bring the scene in even closer, you have the option of using the 4x zoom in addition to the 2x zoom.

Thermal image or real image mode

The UCF 9000 is capable of capturing films and individual photos of not just the displayed thermal images, but also from real digital images. With this option, you can make a live recording of real operations and training situations and evaluate them on the display on site with the play function.

The UCF basic functions

- laser pointer: use the pointer to mark heat sources or display the fill level of tanks
- snapshot-function: look around corners and freeze the image to assess the situation
- extended dynamic range: clearly detect persons and objects even near fires

- quick shutter: don't miss information because the detector is calibrating itself or when switching to a different operating mode

Eight additional image modes

- fire (fire fighting)
- persons (search and rescue)
- thermal scan (searching for hotspots)
- outdoors (searching for persons outside)
- hazardous goods (leak detection and level indicators)
- scan PLUS (searching for heat sources - in real image)
- normal image (video camera)
- user-defined 1

Continued recording with full memory card

Should the recording capacity of approx. two hours be exhausted, the black box of the UCF 9000 guarantees further use of the thermal imaging video. If the memory is full, the camera will simply record over the beginning of the recording. The recording continues automatically.

Additional advantages

- intuitive operation: easy and safe handling even under rough conditions
- display brightness adjusts automatically to environment
- easy-to-read status information
- modern lithium ion batteries provide approx. four hours operating time
- automatic stand-by for longer battery life
- different attachment options (e.g. neck strap or retractable lanyard)
- wide range of accessories (e.g. transport case, vehicle installation kit, tripods, etc.)
- warmtebeeldcamera-oplader.jpg

TECHNICAL SPECIFICATIONS

Dimension of the camera	125 x 280 x 110 mm (w x h x d)
Weight	1.4 kgs incl. battery
Technology display	Liquid crystal display (LCD)
Size display	9 cm
Application modes	Standard, Fire, Persons, Thermal Scan, Outdoors, Hazardous Goods, Scan Plus, Normal Image, User defined 1
Protection cover housing	Rubber material EPDM

Dräger UCF 9000 Thermal Imaging Camera

Carrying loops housing	High-temperature-resistant material
Housing material	High-temperature-resistant plastic
Protection class	IP67
Infrared type sensor	a-Si Microbolometer Array
Resolution infrared	384 x 288 pixels
IR spectral	7 to 14 µm
Temperature sensitivity	Typically 0.035 °C
Picture frequency	50 Hz
Material optics	Germanium
Focus optics	1 m to infinity
Field of view	Horizontal: 57° / Vertical: 41° / Diagonal: 74°
Operation time (at 23°C) with battery	Typically 4 hours
Operation time (at 23°C) with alkaline power pack	Typically 2 hours
Temperature measurement	Digital temperature display: -40°C to 1,000°C
Operating temperature	40°C to 85°C (inside camera), 150°C for 20 min., 260°C for 10 min.
Battery technology	Rechargeable lithium ion batteries
Battery status display	Precise 4-level battery indicator
Approvals	IEC 60079-0:2007, IEC 60079-11:2006, EN 60079-0:2009, EN 60079-11:2007, EN 60079-11:2007, ANS/ISA 12.12.01, CAN/CSA E60079-0, CAN/CSA E60079-11, I M2 / II 2G, Ex ib I Mb / Ex ib IIC T4 Gb, Flame test EN137:2006

ORDER INFORMATION

Description	Unit Sales	Articlenr
Dräger UCF 9000 (50 Hz)	1	8321225
Transport Case	1	8321099
Neck strap	1	8323031
Retractable lanyard	1	8323032
Li-on battery (with Ex-approval)	1	8323075
Battery charger	1	8321247
Tripod	1	8321254
Universal clamp	1	8321259

Dräger REGIS® 300 and 500

Hands-free monitoring of respiratory protection of emergency and rescue teams: The boards REGIS® 300 and 500 enable the incident manager to keep track of respiratory equipment wearers and their deployment time. Thanks to an automatic intermediate alarm, monitoring can be combined with other tasks. In co-usage with the external tracer, distances of up to 40 m are possible.



Dräger REGIS® 300 and 500

Hands-free monitoring of respiratory protection

Simultaneous monitoring of three teams

With Dräger REGIS, the incident manager is able to monitor up to three teams simultaneously, with up to three wearers per team. Easy to read displays with countdown timers inform about the remaining deployment time. The displays of both boards are illuminated with the touch of a button to ensure all important data is easy to see even in difficult conditions.

More safety with intermediate alarms

A continuous beep is emitted once the deployment time of a team is over. To aid with assigning the right alarm with the right team, the corresponding LED flashes. The acoustic and visual alarm tracer also emits an alert after 1/3 and 2/3 of the deployment time has expired.

External tracer for more ease of movement

Some incidents require that the person performing the monitoring must leave the vicinity of the board. In these cases, a highly visible external tracer can be combined with the board as an additional module. The built-in transmitter reliably relays any alarm signals emitted by the monitoring board to the external tracer for a distance of up to 40 meters.

Full deployment monitoring with simple documentation

Name of the equipment wearer, cylinder pressure at the beginning of the deployment, air supply, start and end of deployment time, as well as location: A clip attached to the board holds a sheet for entering all necessary data. The person performing the monitoring can later detach and file this sheet as needed.

Name tags can be attached with snap hooks to the lower end of the board for help in visualizing the team members. The color of the tags also provides information about the type of respirators used.

REGIS 500: Coding plugs for different applications

The deployment time may be shorter or longer depending on the type of respirator used. With the coding plugs for standard and short time respiratory protective devices, extended time respiratory protective device, or closed-cycle respiratory protective devices, the monitoring board panel can adjust automatically to a specific deployment time between 25 and 120 minutes. Simply insert the coding plugs into the corresponding slots and the countdown starts automatically.

Other advantages of the REGIS 300

- three backlit displays
- digital clock for real-time display
- customisable deployment time
- deployment time with negative sign starting at 0 minutes on display
- made from durable plastic
- corner protectors made of rubber
- labeling field with intuitive symbols
- clip to hold sheets and pen

Other advantages of the REGIS 500

- integrated Digital clock for real-time display
- additional intermediate alarm at deployment halftime and remaining time of 10, 5, and 0 minutes
- large backlit display
- rubber edge protectors on side and pen holder

TECHNICAL SPECIFICATIONS

Dräger REGIS® 300: Size (h x w x d)	40 x 34,5 x 4,5 cm
Dräger REGIS® 300: Weight	1,5 kgs
Dräger REGIS® 500: Size (h x w x d)	24 x 23 x 5,8 cm
Dräger REGIS® 500: Weight	0,9 kgs

Dräger REGIS® 300 and 500

ORDER INFORMATION

Description	Unit Sales	Article nr
Dräger REGIS® 300	1	R55950
Dräger REGIS® 500	1	R54993

Univent Ventilation Saw 16"

Low Vibe System separates the handle from the engine, bar and chain. Effectively reduces tiring vibrations. Air Injection Centrifugal Air Cleaning System for longer intervals between filter cleaning. Reduces wear and operates smoother. Smart Start Decompression valve reduces piston pressure when starting. Reduces required pulling force and makes starting easier.



Features

- stainless steel muffler guard
- advanced 2-Stage air filtration system
- .404/.063 heavy duty carbide chain
- replaceable sprocket nosed guide bar
- inertia activated chain break
- insulated full wrap handle
- combined choke and throttle lock
- dual 2 X 2 transfer ports
- side chain tensioning system

- carburetor vapor lock isolation
- automatic adjustable oiler

There are two types of saws available:

- saw recommended for standard fire department ventilation and building materials
- saw recommended for harder materials such as metal buildings, roll up doors, nails, etc. This saw has twice as many teeth!

Univent ventilation saw 16"

Easy to handle, reduces vibrations

TECHNICAL SPECIFICATIONS

Cylinder displacement	75 cm
Horsepower	6,5 PS
Noise level	104 dB (A)
Tank volume	0,75 liter
Oil tank volume	0,39 liter
No-load RPM	13.500/min
Weight	6,11 kg

ORDER INFORMATION

Description	Unit Sales	Articlenr
Univent Ventilation Saw 16"	1	22130002

POK Portable Oscillating Monitor

500 GPM Blitz Fire Attack Monitor. Quick locking ladder attachments are options.



POK Oscillating Monitor
Extremely compact and full 360°

Features

- 500 GDM Blitz Fire Attack monitor
- only one with full 360° rotation
- only one -20° to 80° vertical travel with built in stop at 30°
- storage size of only 19"L x 7"W x 8"H
- 0° to 60° automatic oscillating and quick locking ladder attachments are options

Vertical elevation control and safety stop release

When mounted on a ladder attachment, the nozzle may be lowered below the 30° stop. When the nozzle is raised back above 30°, the spring loaded stop release will snap back into position automatically, limiting the elevation of the nozzle with respect to the base at 30°.

Portable base

The portable base allows the monitor to be positioned in places that are not accessible with a fire truck. The legs are made of titanium and will flex when in use to compensate for

small ground irregularities. It is intended for a maximum flow of 2000 liters per minute.

Site selection

Safety operation of the monitor on the portable base begins with site selection. The site should be a safe distance from the fire yet within the reach of the nozzle stream. Select a flat even surface within 8 feet of a sturdy stationary object that can be used as an attachment point for the anchor strap. Set up the portable base with the anchor point between the portable base and desired target of the nozzle stream.

Maintenance

A positive advantage of the POK monitor is they require very little maintenance. However, in order to maintain optimal functioning of these monitors we advise you to apply grease to the greaser(s) frequently with the genuine POK grease. You will find several greasers on your monitor.

TECHNICAL SPECIFICATIONS

Flow	500 GPM at 100 PSI - 2000 l/mn at 7 bars
Weight	12 kg
Vertical range	80°
Material	Aluminium
Leg	Fold away titanium leg with carbide tips

ORDER INFORMATION

Description	Unit Sales	Article nr
POK Portable Oscillating Monitor	1	09122003

Insulated Fireman's Axe with Pouch

Insulated fireman's axe with leather pouch.



Applications

Firefighting department, axe is primary used for breaking down doors and windows.

Features axe

- handle is made of rubber
- can be carried in the fire fighting harness
- used by fire fighters in marine vessels

Insulated axe and pouch

For firefighting department

TECHNICAL SPECIFICATIONS

Axe

Material	Blade: steel DIN EN 10083-2, class A DIN 7287 Tubular: steel EN 10083-2 - C45 Grip cover : impact proof, non-aging plastic
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Length axe	32 cm
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Weight	Appr. 1 kgs
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Insulation value	Insulated handle tested to 10.000 volts
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Color	Black handle, red axe
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Pouch

Material	Leather
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Dimensions	230 x 215 mm
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Weight	0.2 kg
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Color	Black
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ORDER INFORMATION

Description	Unit Sales	Articlenr
Insulated Fireman's Axe, 32 cm, exluding pouch	1	SG03803
Leather Pouch	1	SG03804

Streamlight Propolymer 3N LED Flashlight

The 3N alkaline battery-powered flashlight features (3) three ultra bright white LEDs.



Features

- Impact resistant polymer body and face cap
- Unbreakable polycarbonate lens with scratch resistant coating
- Features momentary blink or constant "on" tail switch
- Up to 120 hours continuous runtime

- Features an integral pocket clip
- Available in red and grey

Accessories

- Holster
- Lanyard

Streamlight LED Flashlight

ATEX zone 0 approved

TECHNICAL SPECIFICATIONS

Model	Propolymer 3N LED Zone 0
Material	Plastic
Light strength	30 Lumen
Maximum uptime	120 hours
Weight	60 gr
Dimensions	13.3 X 2.4 cm
Burn time light source	100.000
Approvals	DEMKO 04 ATEX 0406954 II 1G EEx ia IIC T4

ORDER INFORMATION

Description	Unit Sales	Articlenr
Streamlight Propolymer 3N LED Flashlight, Zone: 0	1	SG04115
Battery, Duracel PC2400 LR3 Size: AAA	1	SG04103

Peli Super SabreLite™ Flashlight

The SabreLite™ flashlight has an exclusive state-of-the-art Laser Spot Xenon™ lamp module that produces a tightly focused white light beam.



Features

- Super SabreLite™ Zone 1 is made of unbreakable ABS material with a hi-impact polycarbonate lens. Its lamp module is made of precision aluminium, high pressure Xenon™ fixed and sealed reflector with glass frontage that produces a focused collimated white light beam
- belt clip, stainless steel split ring and black lanyard allowing the flashlight to be attached to a pocket, belt or a hand
- accidental turn on and mechanical switch failure is eliminated because of the rotary on/off switch
- it also includes a safety battery tray with 3C cell Alkaline batteries (not included) in order to avoid accidents if the cells are inverted
- submersible to 150 meters

Peli Super SabreLite zone 1

ATEX approved

TECHNICAL SPECIFICATIONS

Light strength	12000 Candle Power
Weight (with batteries)	340 gr
Dimensions	50 x 120 mm
Battery time	5-6 hours at 10°C
Approvals	II 2G EEx e ib IIC T4 ATEX Zone 1

ORDER INFORMATION

Description	Unit Sales	Articlenr
Peli: Super SabreLite Flaslight Zone 1, ATEX	1	SG04111

Peli StealthLite 2460 Flashlight, Zone 1

Peli's Rechargeable StealthLite™ is a powerful indestructible flashlight with an unbreakable corrosion proof ABS body and hi-impact polycarbonate lens. Its Laser Spot Xenon™ lamp module gives an extremely bright white beam, which can cut through water, smoke, fog and rain, making it a perfect light source for all applications. This flashlight is ATEX approved.



Features

It is a highly recommended flashlight to be used within shipping, industrial and fire applications because it is very powerful, light weight and attachable to any work helmet.

The state-of-the-art smart charger allows for a fast 2-3 hour charge time while the LED light

indicates the charge state of the battery and eliminates overcharging and over heating. The Rechargeable StealthLite™ has a one handed on/off locking switch plus a heavy-duty lanyard and is water resistant (not for diving applications). It is for ATEX, FM and CSA approved.

Peli StealthLite 2460 Flashlight, Zone 1

Very powerful and light weight

TECHNICAL SPECIFICATIONS

Light source	LED
Lumen	112
Light strength	153 m
Length	17.8 cm
Volt	4,80
Operation time	4,5 hours
Batteries	4 Alkaline 'AA' Cells
Weight (without batteries)	120 gr
Weight (with batteries)	220 gr
Color	Yellow
Approvals	UL
	ATEX, Zone 1 (Category 2)

ORDER INFORMATION

Description	Unit Sales	Article nr
Peli StealthLite 2460 Flashlight, Zone 1	1	04143030
Peli StealthLite Flashlight, 220V, including charger	1	SG04112
Peli Stealth Lite Flashlight Lamp module	1	04143032

Bright Star 200201 ATEX Flashlight

ATEX approved for use in hazardous locations.



Features

- a dual switch - rotating head or push button
- an impact resistant design that is able to survive a 30 foot drop
- Xenon bulb provides 30,000 Candlepower
- pre-focused spot beam
- non-conductive
- key-ring lanyard and belt clip standard
- xenon bulb

Components

- contact strip: brass
- lanyard: braided nylon (black)
- belt clip: super - tough nylon
- switch boot: thermoplastic elastomer (TPE)
- tube: super - tough nylon
- lens: polycarbonate with thermoplastic elastomer (TPE)
- reflector: ultem 1000

Bright Star 200201 Flashlight

ATEX approved

TECHNICAL SPECIFICATIONS

Light strength	30,000 BC
Length	170 mm
Weight	200 gr
Power source	2 C Cell
Bulb Lamp	Xenon
Lamp life	15 hours
Appr. burn time at continuous use	5 hours and 40 min
Appr. burn time at intermittent use	6 hours and 30 min
Battery time	30 hours
Color	Orange, yellow or black
Approvals	UL, CSA and MSHA ATEX II

ORDER INFORMATION

Description	Unit Sales	Articlenr
Brightstar Flashlight ATEX Zone 1 / Orange	1	SG04113

Fire Proof Lifeline

Lifelines for firefighters outfit are intended of being attached by means of a snap-hook to the harness of a firefighter. Especially suited for marine fire fighters, MED approved.



Features

The lifeline has a carabiner hook with a screw cap hook on one side. For the end connection the polyester cover is removed at the end of

the wire rope. The end connection is with a thimble end the wire rope is pressed with a ferrule. A shrink hose is covering the ferrule.

Fire proof life line
MED approved

TECHNICAL SPECIFICATIONS

Material	<ul style="list-style-type: none"> - Galvanized steel wire rope 6X19+PP core 5 mm according to specification 619N5 in tensile strength of 1770 N/mm² - woven cover sheet of Polyester yarns made out of Trevira CS of thickness approximately 1,5 mm - Carabiner hook in acc. to DIN 5299 Form C 100 x 10 mm WLL 350 kg
Length line	30 meters
Approvals	MED

ORDER INFORMATION

Description	Unit Sales	Articlenr
Fire Proof Life Line with hook, 30 meter, MED approved	1	SG03823
Fire Proof Life Line with hook, 40 meter, MED approved	1	SG03825
Fire Proof Life Line with hook, 45 meter, MED approved	1	SG03826
Fire Proof Life Line with hook, 50 meter, MED approved	1	SG03827

Fire Resistant Safety Belt

Fireman's work positioning belt is especially designed for fire brigades. They are exclusively intended to prevent falls from a height in hazardous areas.



Fire Resistant Safety Belt
To prevent falls from a height

Features

When putting on the fireman's work positioning belt, the belt itself is wrapped around the body and closed by pulling the webbing end through the alloy frame, going back with it through the two-pin buckle and hooking the metal inserts into this. After that the webbing end is pulling through and fixed by the fitted webbing loops. The belt has to fit the body tightly.

Optional

The belt is optional equipped with carabiners with screw locking devices or Twistlocks. The multifunctional eye on the carabiner snaphook of the fireman's work positioning belt is a special feature for fire brigades and is intended exclusively for use with trained personnel. This multifunctional eye is for guiding loads to upper or lower levels.

Usage

The fixed lanyard is used for work place positioning (positioning or restraint purposes) and attaches to the anchor point by a carabiner snaphook. The anchor point has to be at or above waist level and should bear a minimum load of 10 kN according to EN 795. In fall hazardous areas the lanyard must always be tensioned to limit the free room of movement to maximum 0,6 meters.

Important

A fireman's work positioning belt is definitely not a full body harness. The positioning belt should be owned by the user individually and is only allowed to be used by seriously trained personnel.

TECHNICAL SPECIFICATIONS

Carbine	Twistlock
Weight	1.030 gr
Approvals	DIN 14927

ORDER INFORMATION

Description	Unit Sales	Articlenr
Fire Resistant Safety Belt, size 3	1	SG03848

Bag for Fireman's Outfit

Bag to store fireman's outfit.



Suitable for

- 1 x Dräger Nomex Fireman's Suit
- 1 x Dräger HPS 4300 firefighter's helmet

- 1 x Seco fireman's gloves EN 659 (2003)
- 1 x Fireman's SA Boots

Fireman's bag

For fire fighters (equipment not included)

TECHNICAL SPECIFICATIONS

Color	Yellow and red
Dimensions	60 x 36 x 35 cm
Material	PVC Bisonyl

ORDER INFORMATION

Description	Unit Sales	Article nr
Bag for fireman's suit (equipment not included)	1	SG03882

Fire Blanket

A fire blanket is designed to smother a fire by cutting off its oxygen supply. The fire blanket is placed in a plastic wall container.



Features

- a fire blanket is a safety device designed to extinguish small starting fires
- it consists of a sheet of fire retardant material which is placed over a fire in order to smother it
- fire blankets are folded in to a quick-release container for ease of storage

Fire Blanket (normal)
To extinguish small fire

TECHNICAL SPECIFICATIONS

Material	Composition E glass Yarn: Warp: EC9 68 Ex Yarn: Werft: EC9 68 Ex Finish: 2 side white silicone coating 2 x 35 gm/m2
Blanket sizes	1200 x 1200 mm: container size: 210 x 165 x 40 mm 1200 x 1800 mm: container size: 280 x 165 x 40 mm 1800 x 1800 mm: container size: 460 x 165 x 40 mm
Color	Container: Red Blanket: White
Approvals	Kitemark: BS EN 1869 / BS EN ISO 9002

ORDER INFORMATION

Description	Unit Sales	Articlenr
Fire blanket, 100 x 100 cm	1	SG00481
Fire blanket, 120 x 120 cm	1	18101002
Fire blanket, 120 x 180 cm	1	SG00483
Fire blanket, 180 x 180 cm	1	SG00484
Users manual Fire blanket in English	1	SG00485

Covers for all fire extinguishers

Protection covers for portable and movable fire extinguishers. Designed for i.e. shipping and offshore environments.



Features of protection covers for wheeled fire extinguisher covers

- all seams double stitched
- heavy hook and loop fastener closings with loops for quick removal in case of a emergency

- cover made heavier by a galvanized chain which is fully enclosed in the bottom seam to prevent the cover been blown off by strong winds
- depending on the extinguish agent an appropriate stripping is marking the cover

Cover for portable and wheeled fire extinguisher
Designed for shipping/offshore environments

TECHNICAL SPECIFICATIONS

Type	Covers portable fire extinguishers		
Material	650 gr/m ² flame retardant PVC		
Color	Red with white logo	Red with white logo	
Type	Covers wheeled fire extinguishers		
Material	650 gr/m ² flame retardant PVC		
Color	Cover: Red Striping dry powder: Blue Striping foam: Beige Striping CO ₂ : Black		

ORDER INFORMATION



Description	Cover for portable fire extinguisher 6-12 kg/liter	Cover for wheeled dry powder extinguisher 25 kg, blue strip, made heavier	Cover for wheeled dry powder extinguisher 50 kg, blue strip, made heavier	Cover for wheeled dry powder extinguisher 100 kgs, blue strip, made heavier	Cover for wheeled foam extinguisher without striping, made heavier
Articlenr	SG00322	18107020	SG00321	18107013	SG00327

Covers for all fire extinguishers



Description	Cover for wheeled foam extinguisher 45/50 liter, beige strip, made heavier	Cover for wheeled foam extinguisher 155 liter, beige strip, made heavier	Cover for wheeled CO2 extinguisher 10/20 kg, black strip, made heavier
Articlenr	SG00325	SG00326	SG00328

Brackets for all fire extinguishers

Wall brackets for 2 till 12 kgs fire extinguishers.



Marine bracket CO2

Wall bracket for fire extinguishers 5 kgs and 6 kgs. Can be used for carbon dioxide extinguishers. Fitted with nylon securing strap to keep the extinguisher in place under all conditions.

Marine bracket for powder / foam / water

Wall bracket for fire extinguisher. Can be used for dry powder, foam or water extinguishers. Fitted with nylon securing strap to keep the extinguisher in place under all conditions.

Marine bracket CO2

Fitted with nylon securing strap

TECHNICAL SPECIFICATIONS

Material bracket	Bracket: mild steel / powder coated / Black
Material securing straps	Securing straps: Nylon webbing with PVC snap lock
Dimensions	25 x 900 mm
Fixation CO2 extinguisher	Bracket fitted with 3 predrilled holes 4 mm
Fixation powder/foam/water extinguisher	Bracket fitted with 4 predrilled holes 5 mm

ORDER INFORMATION



Description	Universal bracket for powder or foam extinguishers	CO2 bracket standard, 5 kgs	Marine bracket with strap for dry powder, foam and water, 6 to 12 kgs	Marine bracket with strap for CO2 for 5 kgs extinguishers	Galvanised bracket with 2 straps
Articlenr	18108008	18108020	SG00334	SG00337	SG00339

Brackets for all fire extinguishers



Description	Marine bracket with strap for CO2, 2 kgs (small)	Inland shipping bracket for powder extinguisher
Articlenr	SG00338	18108019
