

FIRE EXTINGUISHERS

Chapter 2



- Co2 Fire Extinguisher
- Dry Foam Fire Extinguisher
- Foam Fire Extinguisher
- Portable Foam Applicator

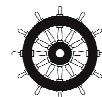
CO2 FIRE EXTINGUISHER

Figure



Description

- Dielectric test at 35000 V at 1mtr distance.
- Use on electrical equipment up to 1000 v at 1 mtr distance min.
- Paint : Epoxy Coating RAL 3000
- Discharge Hose : Rubber SBS hose reinforced with steel wire
- Extinguishing Agent :
Carbon dioxide is a odorless and color less gas.
Weigh about 1.5 times the air
- Approval : MED
- Use :
Pick up the extinguisher from the wall hanger and keep it in hand at the inferior leverage.
Pull out the safety pin from the valve and keep in the other hand the handle of the horn.
Squeeze the upper lever of the valve and aim the jet at the base of the burning material, sweep the extinguishing agent right and left uniforml in the fire.



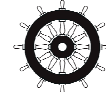
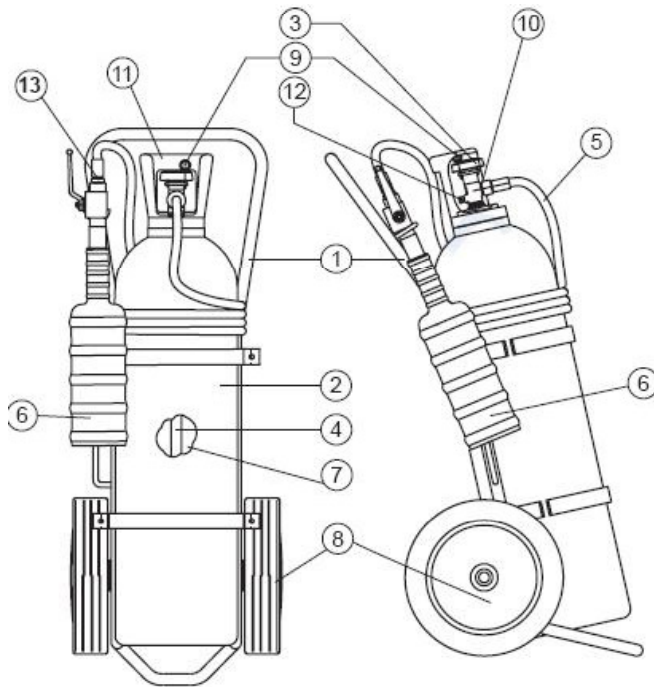
Technical Data

Model	Type	Cap.	Temperature	Disch. Time	Jet Length	Working Press.	Test Press.	Net Weight	Width (mm)	Height
14251	Co2	5kg	-30 °C +60 °C	14s	3m	51.7 bar@20 °C	250bar	15kg	180	785

- Note : Mounting bracket available on request

CO2 FIRE EXTINGUISHER

Figure



- ① Frame of the trolley
- ② Cylinder 27Ltr
- ③ 3/4" Handwheel valve
- ④ Siphon tube
- ⑤ Discharge hose
- ⑥ Discharge apparatus
- ⑦ Carbon dioxide
- ⑧ Wheel Ø 300mm
- ⑨ Safety pin
- ⑩ Washer ring fibre
- ⑪ Protection cap
- ⑫ Safety disc
- ⑬ Swivel coupling 3/8"

Specification

- Type : Stored pressure type
- Capacity : 20Kg
- Fire Rating : B
- Material : Steel 34CrMo4
- Cylinder : 230mm
- Dimension : H 965mm x W 410mm x D 600mm
- Operating Pressure : 60 Bar at 20 °C
- Test Pressure : ≥250Bar according 97/23/EC
- Temperature Range : -30 °C + 60 °C
- Extinguisher Agent : Carbon Dioxide
- Propellant : Carbon Dioxide
- Total Weight : 68 Kg
- Range of Discharge : 4 Mtr
- Discharge Time : 32 Sec.
- Approval : MED

POWDER FIRE EXTINGUISHER

Figure



Description

- Dielectric test at 35000 V at 1mtr distance.
- Use on electrical equipment up to 1000 v at 1 mtr distance min.
- Paint : Epoxy polyester powder coating RAL 3000 U.V
- Discharge Hose : Rubber hose reinforced textiles
- Internal Cartridge : Capacity 55g, high pressure seamless steel, tested at 250 bar
- Extinguishing Agent : Dry powder produced according to EN615 & ISO9000. Not corrosive, abrasive and toxic for humans & animals
- Approval : MED
- Use :
 Pick up the extinguisher from the wall hanger and keep it in hand at the inferior leverage.
 Pull out the safety pin from the valve and keep in the other hand the handle of the horn.
 Squeeze the upper lever of the valve and aim the jet at the base of the burning material, sweep the extinguishing agent right and left uniformly in the fire.



Technical Data

Model	Type	Cap.	Temperature	Disch. Time	Jet Length	Working Press.	Test Press.	Net Weight	Width (mm)	Height
14167	Powder	6kg	-30 °C +60 °C	18s	7m	13 bar@20 °C	26bar	11kg	190	560

Spare Part

Description	Product No.
Internal CO2 cartridge	21060
Dry Powder ABC	31150

- Note : Mounting bracket available on request

POWDER FIRE EXTINGUISHER

Figure



Description

- Dielectric test at 35000 V at 1mtr distance.
- Use on electrical equipment up to 1000 v at 1 mtr distance min.
- Paint : Epoxy polyester powder coating RAL 3000 U.V
- Discharge Hose : Rubber hose reinforced textiles
- Internal Cartridge : Capacity 55g, high pressure seamless steel, tested at 250 bar
- Extinguishing Agent : Dry powder produced according to EN615 & ISO9000. Not corrosive, abrasive and toxic for humans & animals
- Approval : MED
- Use :
 Pick up the extinguisher from the wall hanger and keep it in hand at the inferior leverage.
 Pull out the safety pin from the valve and keep in the other hand the handle of the horn.
 Squeeze the upper lever of the valve and aim the jet at the base of the burning material, sweep the extinguishing agent right and left uniformly in the fire.



Technical Data

Model	Type	Cap.	Temperature	Disch. Time	Jet Length	Working Press.	Test Press.	Net Weight	Width (mm)	Height
14194	Powder	9kg	-30 °C +60 °C	20s	7m	13 bar@20 °C	26bar	16kg	200	545

Spare Part

Description	Product No.
Internal CO2 cartridge	20208
Dry Powder ABC	31140

- Note : Mounting bracket available on request

FOAM FIRE EXTINGUISHER

Figure



Description

- Dielectric test at 35000 V at 1mtr distance.
- Use on electrical equipment up to 1000 v at 1 mtr distance min.
- Paint : Epoxy polyester powder coating RAL 3000 U.V
- Discharge Hose : Rubber hose reinforced textiles
- Internal Cartridge : Capacity 55g, high pressure seamless steel, tested at 250 bar
- Extinguishing Agent : Special formula AFFF based, by the interaction of two extremely powerful product, reaching very high performance specially agent class A, B and F fire.
- Approval : MED
- Use :
 Pick up the extinguisher from the wall hanger and keep it in hand at the inferior leverage.
 Pull out the safety pin from the valve and keep in the other hand the handle of the horn.
 Squeeze the upper lever of the valve and aim the jet at the base of the burning material, sweep the extinguishing agent right and left uniformly in the fire.



Technical Data

Model	Type	Cap.	Temperature	Disch. Time	Jet Length	Working Press.	Test Press.	Net Weight	Width (mm)	Height
14392	Foam	9L	0°C +60°C	34s	5m	15bar @20°C	30bar	15kg	225	540

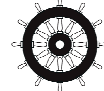
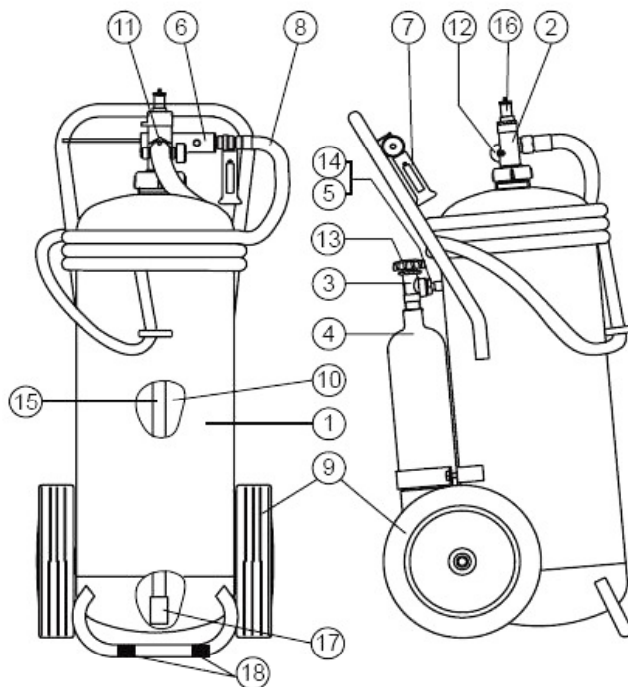
Spare Part

Description	Product No.
Internal CO2 cartridge	20177
Foam Liquid, AFFF 17%	33396

- Note : Mounting bracket available on request

FOAM FIRE EXTINGUISHER

Figure



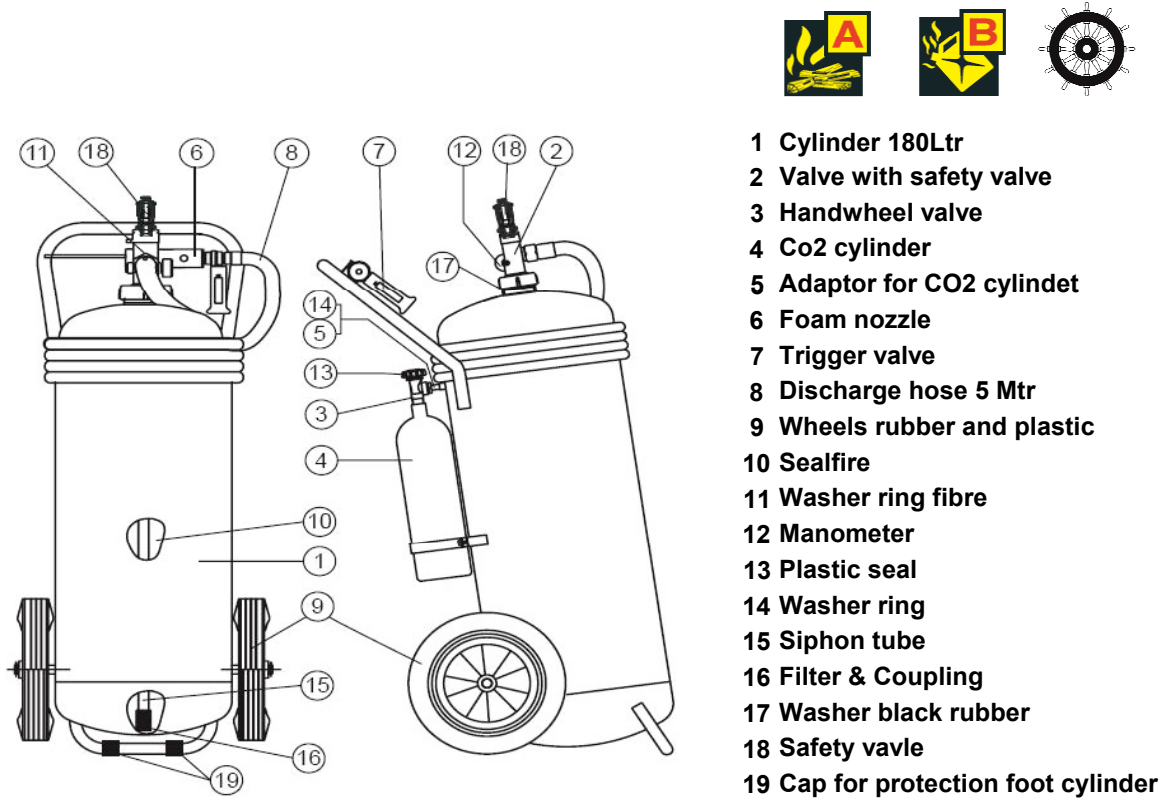
- 1 Cylinder 64 Ltr
- 2 Valve with safety valve
- 3 Handwheel valve
- 4 CO₂ cylinder
- 5 Adaptor for CO₂ cylinder
- 6 Foam nozzle
- 7 Trigger valve brass
- 8 Discharge hose 5 mtr
- 9 Wheels rubber and plastic
- 10 Sealfire
- 11 Washer ring fiber
- 12 Manometer
- 13 Plastic seal
- 14 Washer ring
- 15 Siphon tube
- 16 Safety valve
- 17 Filter + coupling
- 18 Cap for protection foot cylinder

Specification

- Type : Cartridge type
- Capacity : 50 Ltr
- Fire Rating : A, B
- Cylinder : 300 mm (0 ~ 15mm)
- Dimension : H 1145mm x W 455mm x D 550mm
- Operating Pressure : 13 Bar at 20 °C
- Test Pressure : 30 Bar according 97/23/EC
- Temperature Range : + 0 °C + 60 °C
- Extinguisher Agent : Sealfire 2% (AFFF)
- Propellant : CO₂ 3 Ltr
- Total Weight : 85 Kg
- Range of Discharge : 8 Mtr
- Discharge Time : 47 Sec.
- Approval : MED
- Note : Available antifreeze - 20 °C or - 30 °C & available with hose 10 mtr length on request.

FOAM FIRE EXTINGUISHER

Figure



- 1 Cylinder 180Ltr
- 2 Valve with safety valve
- 3 Handwheel valve
- 4 Co2 cylinder
- 5 Adaptor for CO2 cylindet
- 6 Foam nozzle
- 7 Trigger valve
- 8 Discharge hose 5 Mtr
- 9 Wheels rubber and plastic
- 10 Sealfire
- 11 Washer ring fibre
- 12 Manometer
- 13 Plastic seal
- 14 Washer ring
- 15 Siphon tube
- 16 Filter & Coupling
- 17 Washer black rubber
- 18 Safety vavle
- 19 Cap for protection foot cylinder

Specification

- Type : Cartridge type
- Capacity : 150 Ltr
- Fire Rating : A, B
- Cylinder : 450mm
- Dimension : H 1380mm x W 700mm x D 900mm
- Operating Pressure : 13 Bar at 20 °C
- Test Pressure : 30 Bar according 97/23/EC
- Temperature Range : + 0 °C + 60 °C
- Extinguisher Agent : Sealfire 2% (AFFF)
- Propellant : CO₂ 6,7Ltr
- Total Weight : 230 Kg
- Range of Discharge : 8 Mtr
- Discharge Time : 150 Sec.
- Approval : MED
- Note : Available antifreeze - 20 °C or - 30 °C & available with hose 10 mtr length on request.

FOAM APPLICATOR

Description

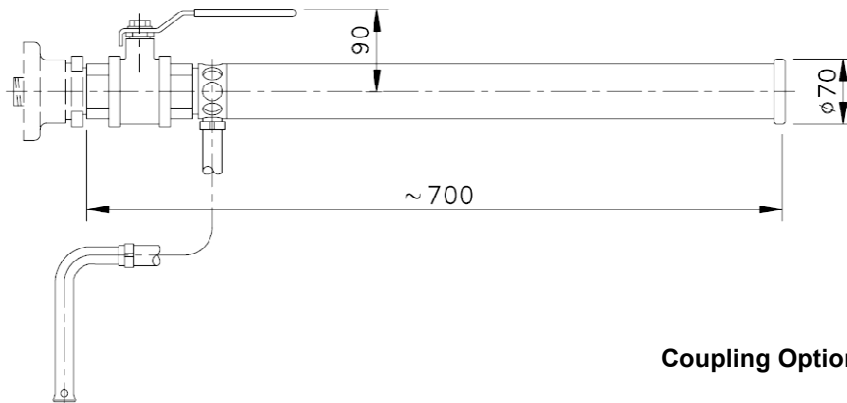
The portable foam applicators are a supplement to the foam monitors and are supplied in accordance with specified requirements. Sheltered areas not reachable by the foam monitors can be covered by a foam applicator. This gives increased flexibility. Different applicators are available, covering varying needs for proportioning ratio, capacity and working pressure for particular vessel. Typically, an applicator needs to be supplied with a fire hose and a foam concentrate container and is stored in a foam station on deck or engine room.

Compliance

- Oil tankers : The system complies with the requirements in SOLAS Ch.II- , regulation 6 .
- Chemical tankers : IMO International Code for the Construction and Equipment of Ships Carrying



Dimension



Coupling Optional

Specification

- Type : Low expansion branch pipe
- Material : Pipe : Stainless steel
Casing : Brass
Valve : Nickel-plated brass
Hose & Suction pipe : Plastic
- Connection : 1 1/2" BSP female thread
- Faom expansion ratio : Up to 1:15
- Capacity : 215 l/min @ 6 bar
- Weight : 4 Kg