

C A T A L O G

F I R E E Q U I P M E N T S

M A D E

I T A L Y



Fire extinguishers - Accessories for fire extinguishers - Refilling machines
Chemical extinguishant products - Fire hose, cabinet & accessories - Fire doors
Fixed installations HFC 227, Nyrargon, Powder, Sprinkler, CO2, Foam, Detection systems
Safety equipments



a.b.s. s.r.l.

Lombardia street, 310 - 20861 Brugherio (Milan) Italy
Tel. +39 039 83963.1 (25 lines) Fax +39 039 8396452
E-mail info@absfire.it - export@absfire.it - www.absfire.it



C



M

P

Two large factories located at MILAN at side of highway



a.b.s. was founded by highly qualified staff with thirty five years experience in the national and international worldwide market.

First in Italy to receive CE PED 97/23 across the range, and also the first ever to obtain the approval of fire extinguishers according to European regulations EN3.7 and EN 1866.

Active in fire protection, gaining considerable success, offering the clients a full range of products.

a.b.s. is always looking to new markets and technological innovations, and its organizational structure enables best solutions to any requirement.

The range in which **a.b.s.** works varies from the fire

extinguisher, cylinders CE mark PED and T-PED or HFC and foam bladder tanks, skid mounted units, fix installations, refilling machines, fire hoses and hose reels. Very active in inert gas systems and HFC 227, UL Listed and accepted by EPA extremely safe, without any environmental impact, and no time limit on use, particularly suitable for the protection of CED, archives museums, etc. In order to consolidate its market presence **a.b.s.** has focused on "quality" of their products and services. Top quality products are recognized from the market and a considerable production is exported in most European countries as well the Middle East, Asia, Africa, South America.

1-2-3-4 Kg Dry powder ABC - STORED PRESSURE - EN 3.7

1 Best quality dry powder utilize a specially fluidized and siliconized mono ammonium phosphate dry chemical (MAP) certified EN615. It chemically insulates Class A fires by melting at approximately 170°C and coats surface to which it is applied. It smothers and breaks the chain reaction of Class B fires and will not conduct electricity back to the operator. Excellent on class C fires.

- ✓ Cheap, efficacy, multipurpose.
- ✗ Dirty, it requires hard work for cleaning after use. Low visibility during discharge.

**German Powder
EN615
Best quality**



13111

Kg 1

**8 A
34BC**



13122

Kg 2

**13 A
113BC**



13123

Kg 2

**13 A
89BC**

With wire bracket



13131

Kg 3

**21 A
144BC**



13142

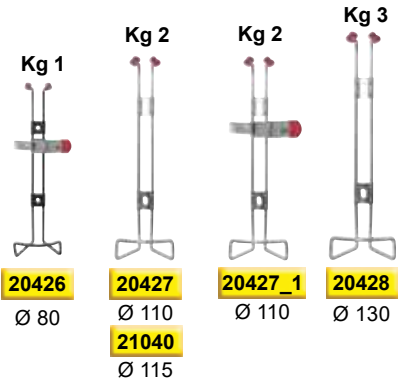
Kg 4

**27 A
183BC**

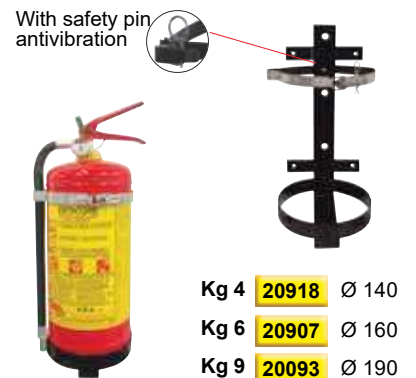


21001
Standard wall bracket

Wire brackets



Bracket for car or truck



Code	Kg Powder	Class of fires	Ø mm	Kg full~	H mm~	Jet mt~	Time sec~	Pallets 80x120	
								Q.ty	kgs
13111	1	8A 34 BC	85	2	335	4	7"	576	1.150
13123	2	13A 89 BC	110	3.3	370	5	12"	288	1.000
13122	2	13A 113 BC	115	3.1	310	5	14"	240	860
13131	3	21A 144 BC	130	5.1	425	5	16"	132	670
13142	4	27A 183 BC	140	6.8	485	5	16"	132	910

6-9-12 Kg Dry powder ABC - STORED PRESSURE - EN 3.7

Products for commercial and industrial use in 3 different capacity: kg 6 - kg 9 - kg 12.



Certified by MPA of Dresden in Germany.

German Powder
EN615
Best quality



100% Made
in Italy

Manometer 35 mm



21265 Hose spring



20104 Magnetic holder



Plastic foot

21048 Kg 6

21049 Kg 9/12



Hose belt

20480 Universal



13162

34 A
233BC

13160

43A
233BC

6 Kg

13166

43 A
233BC

13169

55 A
233BC



9 Kg

13192

55 A
233BC

12 Kg

13172

55 A
233BC

Code	Kg Powder	Class of fires	Ø mm	Kg full~	H mm~	Jet mt~	Time sec~	Pallets 80x120	
								Q.ty	kgs
13162	6	34A 233 BC	160	9,7	600	7	18"	72	745
13160	6	43A 233 BC	160	10	530	7	17"	72	750
13166	6	43A 233 BC	160	10	530	7	17"	72	750
13169	6	55A 233 BC	160	10	570	7	17"	72	755
13192	9	55A 233 BC	190	14	600	7	17"	40	580
13172	12	55A 233 BC	190	17.5	660	7	18"	40	730

ESTORIA MODEL TOP QUALITY - EN 3.7



Cylinder increased, better to have a uniform discharge and jet lenght.

Kg 6

13163

34 A
233BC

20052

Wall brackets



Back hook, ensure better stability. Large capacity cylinder (8.4 Lt) benefits for the longer jet and constant pressure, and foot without welding ensure insulation from ground avoiding bottom part under pressure to suffer corrosion.

20523 Large manometer



Gauge Bourdon 40 mm, thread npt unmovable.

21815 Valve M 45x1.5



Ø 45 mm
Best inspection an refilling

German Powder
EN615
Best quality

Foot and bottom manufactured in a single pressing process.
Will never rust.



21162

Check valve
Check valve + locked seal.

Swivel neck ring

21161

Safety valve preassembled. Bursting disc fast release.



Code	Kg Powder	Class of fires	Ø mm	Kg full~	H mm~	Jet mt~	Time sec~	Pallets 80x120	
								Q.ty	kgs
13163	6	34A 233 BC	160	10,5	610	7	18,5"	72	745

6-9-12 Kg Dry powder ABC INTERNAL CARTRIDGE

1



Optional squeeze valve

Kg 6

13167

34 A
233BC



Spare part

20131 for 13167

20208

for 13194 - 13173

kg 6 - kg 9 - kg 12

Description

With CO2 internal cartridge professional and allows a better maintenance.

German Powder ABC EN 615.

Fire extinguishers with internal cartridge respect to the stored pressure offer several advantages.

Filling cap 74 mm allows an easy inspection for the powder and a better check for the weight of the CO2 internal cartridge.

Widely used in environments where it is necessary a professional maintain and a visual check for the state of powder extinguishant.



20052 Wall bracket

Hook is welded on the back of cylinder.

100% Made in Italy



Code	Kg Powder	Class of fires	Ø mm	Kg full~	H mm~	Jet mt~	Time sec~	Pallets 80x120	
								Q.ty	kgs
13167	6	34A 233 BC	160	10.7	470	7	18"	72	795
13194	9	55A 233 BC	190	16	545	7	19"	40	670
13173	12	55A 233 BC	190	18.5	605	7	19"	40	790



Certified by MPA of Dresden in Germany.

6-12 KG Special dry powder BC High risk

Refineries, military airports, department stores flammable.



Optional squeeze valve

Kg 6

13168

233BC



Spare part

20131

for 13168 - 13610

20208

for 13175

100% Made in Italy



BC PURPLE K 90% EN 615

Basic component is Potassium Bicarbonate, increased capacity for extinguishing flammable liquids and gases.

Typical applications in refineries, risks of oil, military risks.

BC KARATE RÜHL EN 615

Basic component is Potassium Sulphate, increased capacity for extinguishing flammable liquids and gases.

Typical applications in refineries, risks of oil, military risks.

Code	Kg Powder	Class of fires	Ø mm	Kg full~	H mm~	Jet mt~	Time sec~	Pallets 80x120	
								Q.ty	kgs
PURPLE K BC DRY POWDER									
13168	6	233 BC	160	10.7	470	7	18"	72	795
KARATE BC DRY POWDER									
13610	6	233 BC	160	10.7	470	7	18"	72	795
13175	12	233 BC	190	18.5	605	7	19"	40	790

Technical data are subject to modification for improvements without prior notice

9 Kg MONNEX Special powder BC - High risk

100% Made in Italy



Description

With CO2 internal cartridge professional and allows a better maintenance.

English powder, MONNEX EN 615 .

Basic component are Potassium Sulphate and urea, Superb and excellent skills for extinguishing flammable liquids and gases.

Typical applications in refineries great risks, risks of oil, airports, power plants and nuclear weapons.



Optional squeeze valve

Kg 9

13193

233BC



20052 Wall bracket

Hook is welded on the back of cylinder.

TOP BRAND, known as the best for high risk: Refineries, military airports, flammable department stores.



Spare part

20300

Dry Powder produced in England

MONNEX DRY POWDER

Code	Kg Powder	Class of fires	Ø mm	Kg full~	H mm~	Jet mt~	Time sec~	Pallets 80x120	
								Q.ty	kgs
13193	9	233 BC	190	16	605	7	19"	40	670

ABC Powder with EXTERNAL CARTRIDGE CO2

Description

Professional fire extinguisher with CO2 external cartridge allows a better maintenance and a periodic check for the powder.

The external cartridge is easy to remove for a periodic check control of the weight.

Filling cap 74 mm allows an easy inspection for the powder.

German Powder ABC EN 615.

100% Made in Italy



Kg 6

13611

34 A
233BC

20052 Wall bracket



Hook is welded on the back of cylinder.

Spare part

20201



Code	Kg Powder	Class of fires	Ø mm	Kg full~	H mm~	Jet mt~	Time sec~	Pallets 80x120	
								Q.ty	kgs
13611	6	34A 233 BC	160	12	560	7	17	40	730

SEALFIRE FIRE EXTINGUISHERS

APPROVED EN 3.7 Water + additive

DESIGNED AND MANUFACTURED IN ITALY

Ideal for public places, lodges, stores, airports, supermarkets, hotels, etc. etc. The chemical dry powder does not allow good visibility during discharge and can create panic, foam instead is the opposite.

Sealfire allows full visibility, it has longer discharge time, and the sealing effect protect against flash back.

Special spray nozzle, allows use under electricity limited at 1,000 Volt without danger, while tested at **35,000 Volt** according to EN3/7 European Standard.

Considered environmentally friendly according to OECD standards and DIN ISO 9688, > 90% in 28 days. Free for PFOA (acid perfluorottanico) Certified laboratories Bilacon, Germany.

The cylinder is internally coating PLASTCOAT which could be guaranteed 2 years against corrosion.

Optional: Stainless steel cylinder



13363_1



Sealfire ABF®

Official fire test carried out by professional fireman as EN 3.7 233 B 6 lt Sealfire® 1 minute preburning 1000° C terrifying hot



100% Made in Italy

Description

It's the most popular in Great Britain, USA and in France > 65% of the market. The extinguishing charge is a mixture of 74% water and 26% of SEALFIRE ABF® an additive concentrate.

Best result against fires of wood, textiles, paper and very efficient for flammable liquid fires.

The special spray nozzle, allows use under electricity limited at 1,000 Volt without danger, while tested at 35,000 Volt according to EN3/7 European standard.

SEALFIRE ABF® forms a thin film that floats on flammable liquid, quickly turns and prevents re-ignition of the fuel because it insulates the contact with oxygen.

The cylinder is internally coated PLASTCOAT which is guaranteed 2 years against corrosion.

Available Stainless steel cylinder guarantee 5 years against corrosion.

The additive is also called A.F.F.F. Aqueous Film Forming Foam. They offer several advantages over the fire extinguishers Powder:

- **Longer time of discharge!**
- **Visibility the entire time of discharge**
- **Not dirty! Water + additive**
- **Ecological, biodegradable to 99,8%**

5 seconds

Test with Epthane according to EN3.7 Welded sheet steel circular 233 B diam 3 mt. After 60" ignited, discharge.

A terrifying hot 1000°C!



10 seconds

After only 10"seconds. Flames are almost down due to sealing effect.



15 seconds

After 15 second. Sealing effect is complete. Reignition is no more possible.

EXTRAORDINARY!



Control panel for fire training water/foam fire extinguishers



98070

Test on an electrical voltage to 380 Volts to 1 m away, no problem of electric shock.

For test and fire training.

Allows you to run training courses at customer sites and training without any danger to personnel. With safety switch, indicator lights, complete with power cables.

Package includes power cables

Power Cable connection supplier 220 V. Power Cable connection supplier 380 V.



Technical data are subject to modification for improvements without prior notice



Foam Sealfire ABF® AFFF fire extinguishers - STORED PRESSURE - EN 3.7

6 - 9 lt for offices, hotels, hospitals, airports, schools, factories, supermarkets, garages.



100% Made in Italy

Description:

The Sealfire ABF® is a universal product to turn off any kind of material burned. Quick off, it forms a film on flammable liquid, preventing re-ignition. Strong cooling.

Easy to use, lightweight, handy, soft jet, total visibility, zero risk. In Northern Europe is the most common fire extinguisher, over 65%!

The cylinder is internally coated PLASTCOAT which is guaranteed 2 years against corrosion.

Optional: Stainless steel cylinder

✔ Cheap, efficacy, visibility, extremely low environment impact, very easy to use, almost zero damages after discharge. **Free from PFOA (acid perfluorottanic)**

✘ Not efficient on gas fire class C.
In this case the rule provides to close the source of gas, in order to avoid explosions for the formation of explosive mixtures.

Sealfire ABF®

The additive is also known as AFFF Acqueous Film Forming Foam. Ideal for offices, hotels, museums, archives, factories, shops, laboratories, home, garage, ecologic replacement for the halon 1211.

Non conductive
Laboratory tests
at 35,000 Volts

The Sealfire ABF® respects
the environment
is clean and ecological

CLEAN

74% water premixed with
26% ABF
(1% Sealfire X + 25% Sealfire A)

BIODEGRADABLE

OECD > 90/28 days,
DIN ISO 9688.

Free from PFOA
(acid perfluorottanic)



Special spray nozzle from the jet is not electricity conductive



21048 Kg 6 - Ø 160

Non corrosive

21049 Kg 9 / 12 - Ø 190

20480 Universal



PVC coating- no corrosion



Plastic foot



Plastic belt for hose

Stainless steel Aisi 304

13365 Model with extending nozzle

Code	Sealfire® lt	Class of fires	Ø mm	Kg full~	H mm~	Jet mt~	Time sec~	Pallets 80x120	
								Q.ty	kgs
13363	6	43A 233B 75F	160	10.3	570	5	30"	72	755
13363_1	6	43A 233B 75F	160	10.3	570	5	30"	72	755
13396	9	55A 233B 75 F	190	15	635	7	38"	40	640
13365	6	13A 113B 75F	160	10.3	570	5	38"	72	755

6 Lt Foam Sealfire ABF-30 STORED PRESSURE

Special characteristics, components, design and performance.

100% Made in Italy



Gauge, fixed with Loctite Manometer made in brass Ø 35 mm, membrane, German technology.

13366

Lt 6

34 A
233 B



75F
For oils in restaurants and kitchens

Large capacity cylinder (8.4 Lt) benefits for the longer jet and constant pressure.

20052

Wall brackets



Back hook, ensure better stability.

Foot without welding ensure insulation from ground avoiding bottom part under pressure to suffer corrosion.

21815_1 Valve M45x1.5

Valve Ø 45mm, with swivel female neck ring, best inspection and refilling.

Check valve

Check valve + locked seal



Foot and bottom manufactured in a single pressing process.

Will never rust.

Internal corrosion coating, guaranteed 2 years.

Optional stainless steel.



21161_1

Safety valve preassembled.



Code	Sealfire ABF® It	Class of fires	Ø mm	Kg full~	H mm~	Jet mt~	Time sec~	Pallets 80x120	
								Q.ty	kgs
13366	6	34A 233B 75F	160	10.3	600	5	30"	40	640
13366_1	6 (-30°)	34A 233B 75F	160	10.3	600	5	30"	40	640

Sealfire S® for home and small shops

Description

The water fire extinguisher! has a good location in the houses (or is suitable in the houses)

The Sealfire S® is a universal product to turn off any kind of fire. Great for cooking oil fires caused by carelessness that easily creates combustion at about 330° C.

Live saving accessory for housewife (or for home).

Very good and without any danger of electrical conduction, in the event of fire of television and computer appliances.

Easy to use, lightweight, handy, soft jet, total visibility, zero risks, save lives.

Polyethylene inner lining, 2 years guarantee.

Low environmental impact OECD>90/28 days, much less a wash of some household detergents.



Cheap, efficacy, visibility, extremely low environment impact, very easy to use, almost zero damages after discharge. **Free from PFOA (acid perfluorottanic)**



Not efficient on gas fire class C
In this case the rule provides to close the source of gas, in order to avoid explosions for the formation of explosive mixtures.



For oils in restaurants and kitchens



Sealfire ABF-30®
(-30° +60° C)

Lt 2

13320_30

5 A
34 B



DIELECTRIC

Lt 2

13320

8 A
55 B



Lt 3

13331

34 A
144 B

Sealfire S®

Class F fires involving deep fried oils and fats, generally in restaurant kitchens etc. This products can not be extinguishing with Powder, CO2 Carbon Dioxide. The Sealfire S® settles softly on flammable liquid and floats preventing re-ignition.

Code	Sealfire® It	Class of fires	Ø mm	Kg full~	H mm~	Jet mt~	Time sec~	Pallets 80x120	
								Q.ty	kgs
13320	2	8A 55B 40F	110	3.75	405	3	12"	288	1.000
13320_30	2	5A 34B 5F	110	3.75	405	3	12"	288	1.000
13331	3	13A 144B	130	5.2	425	4	16"	132	670

Fire extinguisher - Water Sealfire® AFFF - INTERNAL CARTRIDGE - EN 3.7

Internal cartridge CO2

Description:

Foam Sealfire AB is the best available product for top performances in fires of class A, class B and also excellent in class F deep frying oils and restaurants kitchen fats.

Models with internal cartridges allow professional and easy maintenance. **Sealfire AB** it is a mixture of the **Sealfire S** with additives **Sealfire A** for top performances in all fires **A,B, and F** frying oils simultaneously. PLASTCOAT gives 2 year guarantee against internal corrosion

Optional: antifreeze -30°C for cold environments zones.

Optional: Stainless steel cylinder.

Optional: Sealfire® AB available premixed

Sealfire A and Sealfire S available in jerry can of 20 Kg.



6 / 9 Lt

6 Lt

13367

75F

**34 A
233B**



9 Lt

13394

75F

**34 A
233B**



Spare part

20177



Foam refilling cartridge

21170_1 Sealfire A® for 6 Lt

21170_2 Sealfire A® for 9 Lt

100% environmentally friendly additive class A. Greatly potentiates the effect on the wood, textiles, paper, etc. . .

See book operation and maintenance



33397 Sealfire S®

Spare part 1x6 and 2x9 Lt foam floating internal cartridge.



Lifetime at least 5 years. The diam is 4,5 cm height 19 cm. The seal breaks when CO2 cartridge operated and it mix immediately with water

Code	Sealfire® lt	Class of fires	Ø mm	Kg full~	H mm~	Jet mt~	Time sec~	Pallets 80x120	
								Q.ty	kgs
13367	6	34A 233B 75F	160	11.5	550	5	24	72	828
13394	9	34A 233B 75F	190	15	550	5	35	40	600
13394_1	9	34A 233B 75F	190	15	550	5	35	40	600

Fire extinguisher LIFEWATER® - LT 9 -100% Biodegradable - EN 3.7

Stored pressure Premixed

Description:

LIFEWATER is a special additive added to pure water which improves performances in fires of class A such as, paper, textiles, woods. Typically used in schools, hotels, hospitals.

It is totally clean, without foam, **100% biodegradable** and zero pollution.

Fully respect the environment.

The special nozzle discharges very fine drops of water, and has passed EN3 electricity conductivity test as EN3; suggest use until 1000 volt without any danger.

All fire extinguishers with Foam SEALFIRE or LIFEWATER, have the cylinder with internal coating PLASTCOAT which is guaranteed 2 years against corrosion.

Optional: cylinder stainless steel, antifreeze, enabling its use at very low temperature till -30°C



CPF
Made in Italy

9 Lt

13393

27 A

- DIELECTRIC** non conductive
- CLEAN** no residues
- LIFEWATER** only water + additive
- Ø POLLUTION** 100 % biodegradable



Code	Sealfire® lt	Class of fires	Ø mm	Kg full~	H mm~	Jet mt~	Time sec~	Pallets 80x120	
								Q.ty	kgs
13393	9	27 A	190	15.3	655	5	38"	40	640
13393_1	9 ^(*)	27 A	190	15.3	655	5	38"	40	640

(*) Antifreeze -30°C +60°C

CARBON DIOXIDE FIRE EXTINGUISHERS CO2

APPROVED EN 3.7

DESIGNED AND MANUFACTURED IN ITALY



The CO2: carbon dioxide is excellent for fires of class B, suitable for class A fires provided in the initial stages and in the absence of embers to turn off paper, textiles, wood; although it is most suitable and consider closing the valve of the gas supply to stop the combustion.



Assembled in Italy



Kg 5

13252

113B

aluminium
cylinder

Cylinder CE marked PED 97/23/CE

CE marked, 84/525/EEC or EN1964-1 and 97/23/EC (PED). W.P 60 bars at 20°C and 174 bars at 60°C (maximum allowable pressure PS).

Light steel 34CrMo4, hydraulic tested up to 250 bar.

All the cylinders are CE marked according to dir. 97/23/CE. Fire extinguisher are certified according ISO 9000, EN 3.9 and with batch declarations of conformity.

Deeply sand blasted with metallic sand and painted with epoxy-polyester powder Red color Ral 3000 resistant to the atmospheric agents and to the ultraviolet x'rays.

Valve squeeze lever

Brass (ST-CW617N) marked CE 97/23/CE, with safety disc set at 185±15bar complete with a green safety seal to improve the optical check from far.

On request only for steel cylinder version valve with safety disk EN 3.9 195-230 bar.

Only a simple glance is enough to check if the extinguisher has been tampered.

Thread M25x2, not damages after dismant phase.

Discharge horn

Strong polypropylene dielectric. Inside nozzle creates a ice cloud which quickly knock down fires.

Extinguishant

Carbon dioxide is a odourless and color less gas.

It weigh about 1.5 times the air; it does not wet, dry and it does not damage objects.

The CO2 used in the extinguishers is 99% pure and it is moisture-less. CO2 is compressed in liquid phase inside the high pressure cylinder.

In normal conditions at 20°C, the pressure inside the cylinder is about 55-60 bar and 1 Kg of liquid CO2 produces approx 520 litres of vapor gas.

Discharge hose

Rubber hose reinforced SAE R100, EN 853 with a high safety grade having a burst pressure far over > 450 bar. Its length allow you to act at a safety distance from the fire.

All our CO2 fire extinguishers are equipped with stronger siphone tube 100% Aluminium.

Versions:

- Aluminium cylinder
- Steel Light alloy cylinder 35 CrMo4
- Anti-magnetic, for army and hospitals

Anti-magnetic valve

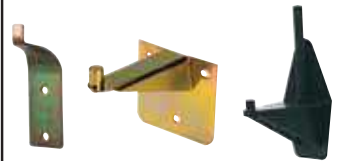


21800

Extinguishers Anti-magnetic, usually are used to avoid interference with the radars, computer scanner, RMA, and diagnostic equipments.

Standard brackets

Suitable for hook on the brass valve



21009

Kg 2

21001

Kg 5

Wall bracket

21085

Kg 5

Anti-magnetic

Optional

Horn holder ring and wall bracket. Maintains the cylinder adhering to the wall, prevents oscillations and accidental falls.

20432 for 5 kg steel cylinder Ø 136 mm

20433 for 5 kg aluminium cylinder Ø 154 mm



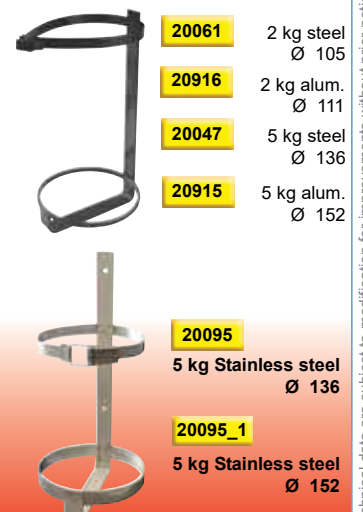
Horn
holder

For wall
bracket

20431

Brackets boats / trucks

Made in steel, latch closure complete with safety pin.



20061

2 kg steel
Ø 105

20916

2 kg alum.
Ø 111

20047

5 kg steel
Ø 136

20915

5 kg alum.
Ø 152

20095

5 kg Stainless steel
Ø 136

20095_1

5 kg Stainless steel
Ø 152

Even if test not required by the standard EN 3.7, they are, Good for extinguishing initial fire in class A.



Cheap, clean, dielectric



Rapid vaporization of the gas, so not suitable for use in open premises. However, it is recommended that the operator must be trained in the proper use of this fire extinguisher, because during the discharge in contact with the skin can be causes dangerous burns by dry ice.

Fire extinguisher - Carbon Dioxide CO2 - EN 3.7

Excellent against fires involving flammable gases Class **B**.
Very good in Class **C**, although is suggested shut down the source of gas leakage.



Cheap, clean..



Thermal shock may damage electronics, low efficacy on class **A**, suggested only in initial state of development of fires, when embers not yet involved.

Assembled in Italy



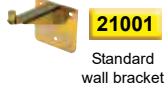
Anti-magnetic
Kg 2
13222_1
34B



Code	CO2 kg	Class of fires	Ø mm	Kg full~	H mm~	Jet mt~	Time sec~	Pallets 80x120	
								Q.ty	kgs
13221	2	34 B	105	6.5	560	3	8"	100	810
13222	2	34 B	111	5	535	3	8"	100	810
13223	2	70 B	105	6.5	560	3	10"	100	810

Type from **2 to 5 kg** for offices, hotels, hospitals, airports, garages.

Import cylinder



Code	CO2 kg	Class of fires	Ø mm	Kg full~	H mm~	Jet mt~	Time sec~	Pallets 80x120	
								Q.ty	kgs
13251	5	113 B	136	14	735	3.5	12"	50	735
13252	5	113 B	152 ⁽¹⁾	12	720	3.5	12"	50	600

Import cylinder

Cylindrical thread M25x2, with O-Ring. Mounted on steel cylinder and aluminium only valve high security made in Italy.

Foxer S - STORED PRESSURE

1 Description:

Foxer S® are extinguishant gases ecologic and clean. Main components are a blend of HFC236 , HFC 227, HFC 134, recognized in the NFPA 2001 and accepted by EPA without limitations. They do not leave residuals after the discharge.

They are safe for the environments, **do not damage the ozone layer** and are safe for humans and live animals.

They are ideal replacements of banned BCF halon 1211.

They are not electrical conductive, do not leave any residues, do not creates thermal shocks and it is ideal and unique protection for electronic equipments.

Comparing with dry powder which leaves a lot of dirty residual, and comparing with foam that cannot be used on computers, become the unique ideal products.

These products are perfect protection for valuable places, were cleanliness is essential such as, shops, museums, libraries, archives, banks, computer rooms, telecommunications facilities, switchboards.

Due to rapid vaporization of the gas they are excellent for indoor fires, and have to be limited outdoor only for critical uses. Although not tested for class **A** fires, Foxer S is as excellent as the CleanBlue, having almost the same chemical compositions.

Fire test with Foxer portable fire extinguisher, clean, no residuals.



Fire test with Powder ABC portable fire extinguisher, dirty and residuals.



ADVANTAGES

- Do not leave residuals.
- Safe** for humans, animals.
- Ecologic.**
- No thermal shockes** on computers.
- Do not have law limitations.
- Excellent for indoor** use for any initial fire in offices involving paper, electronics equipments.



Disadvantages

- Rapid vaporization of the gas they have to be limited outdoor.
- Costs more than other extinguishing agents.

OZONE FRENDLY
ODP = 0



Kg 1

13410

**5 A
34B**

Kg 2

13420

70B

Kg 4

13440

**13 A
113B**

Kg 6

13461

113B

Code	CO2 kg	Class of fires	Ø mm	Kg full~	H mm~	Jet mt~	Time sec~	Pallets 80x120	
								Q.ty	kgs
13410	1	5A 34B	85	2	335	2	10	576	1.150
13420	2	70B	130	4.1	425	5	14	576	1.150
13440	4	13A 113B	140	6.8	485	3	25	132	910
13461	6	113B	160	9.7	530	5	24	132	910

Portable Fire Extinguishers

Lithium D FAVORIT M Powder



100% Made in Italy

Low Velocity Discharge Applicator
CE marked
For D class fires

1

The extinguisher contains powder which is suitable for fires involving **lithium**. Unique lance applicator designed to allow the powder to fall gently over the fire. Highly effective against metal fires, which include fires caused by **sodium**, **magnesium** and **aluminium** when in the form of powder or swarf.

Kg 6 - 12



RÜHL
FEUERLÖSCHMITTEL GmbH

Use **D FAVORIT M** Dry Powder on 'Class D' specialist metal fires - particularly those involving Alkali metals such as Sodium, Potassium, Magnesium and Aluminium when in the form of swarf or powder (Note: **D FAVORIT M** is suitable for Lithium fires).

The unique lance applicator is designed to allow the powder to fall gently over the fire to prevent burning material from spreading.

D FAVORIT M is a Dry Powder fire extinguisher based on Sodium Chloride that has been treated with flow and moisture repellent additives.

D FAVORIT M extinguishes metal fires by fusing the powder to form a crust, which then excludes oxygen from the surface of the molten metal. The addition of a specific agent prevents the powder from sinking into the surface of the molten metal.

Powder **D FAVORIT M** tested by



Certificate of Conformity reference number KB 116/13 with portable EN3 fire extinguishers, equipped with a class D fire applicator:

- Fire test object **Magnesium acc.** to annex NA of DIN EN 3-7 with 12 kg powder.
- Fire test object **Sodium acc.** to annex NA of DIN EN 3-7 with 12 kg powder.
- Fire test object **Lithium** (without specification) with 12 kg powder.



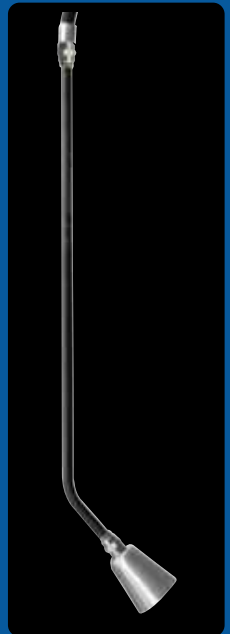
Certified by MPA of Dresden in Germany.



CE Marked

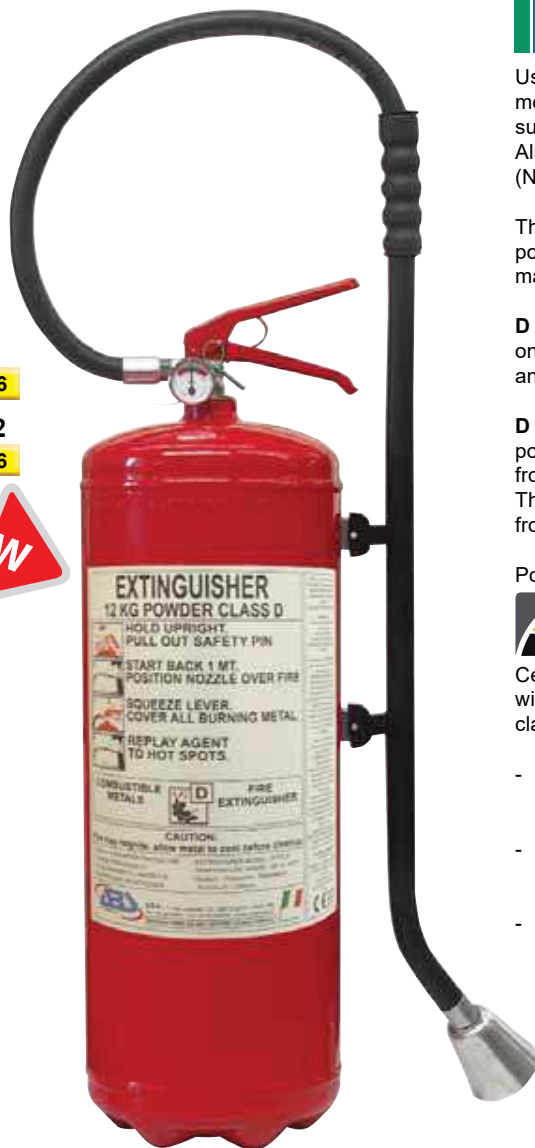


Equipped with double Magnetic hose holder.



21136

Extending lance 60 cm hose for smoother fires of metals class "D"



Kg 6

13162_6

Kg 12

13172_6

NEW

Code	Kg Powder	Class of fires	Ø mm	Kg full~	H mm~	Jet mt~	Time sec~	Pallets 80x120	
								Q.ty	kgs
13162_6	6	D	160	10.7	600	7	>20"	72	795
13172_6	12	D	190	18.5	660	7	>25"	40	790

- Seize and squeeze for maximum control
- Corrosion resistant high grade valve
- Unique lance applicator designed to allow the

powder to fall gently upon the fire

- Highly effective against metal fires, including Lithium when in the form of powder or swarf.



Stainless steel on request

Automatic valve page 43



- 24001** With bulb at 68°C standard
- 24003** With bulb at 93°C

Its activation does not require any source of energy. It is equipped with a sprinkler head with a termosensible bulb. It is normally installed just up to the fire risk area. . Typically used in heater rooms, storage of flammable liquids, unattended areas.
Standard sprinkler is 68°C, while only the 2 kg is for boat use and it is 93°C

Bulbs color



Spare parts

- 25006** Bulb at 93°C
Nut included
- 25014** Bulb at 68°C
Nut included



Ecologic Gas HFC 227

Is a clean gas, does not leave any residue, no need cleaning, the gas quickly knocks down the flames in seconds. Versus foam or powder is more expensive **but the time saved for cleaning worth its cost ten times.**

Cod.	Kg	D mm	H mm	M ³ *
15109_1	6	245	350	10
15110_1	12	245	450	20
15225_1	24	360	450	40

Powder

Is highly efficient however it need a deep cleaning of the room in case of activation.

Cod.	Kg	Mq~	D mm	H mm
15103	2	2	190	190
15105	4	4	245	350
15109	6	6	245	350
15111	10	10	245	450
15110	12	12	245	450

Foam Sealfire®

Foam is specially used in fires of flammable liquids contained in flat containers. The foam floats over the flammable liquids sealing the fire from reignition and flashback. Much more clean than powder.

Cod.	Lt	Mq~	D mm	H mm
15112	6	4	245	350
15113	10	8	245	450
15114	20	12	360	450

* Suggestions of choice must be given from the expertized technician: As general rule in closed rooms:
Dry powder 12 kg is good for an area of 9/10 M2 or a volume of 25 M3 - **Sealfire®** Foam 20 Lt is good for an area of 15 Mq
Gas HFC 227 24 KG is good for a volume of 40 M3. Use only indoor. The volume protected is less if room has small aperture.

Pressure switch

Accessory for automatic fire extinguishers. When the fire extinguisher propel, allowing the automatic closing of the gas valve of the boiler room and activate an optical alarm.



23024 Pressure switch, NC-NA 10A



Fire protection systems for boiler rooms and for small kitchens of restaurants.

Available also for "F" class fire



On request special version for cooking oils fires

Kitchen and restaurants hoods



Technical data are subject to modification for improvements without prior notice

- Approved EN 1866-1:2008

- CE PED 97/23 surveillance: Bureau Veritas.
- Manufactured ISO 9001 Vision 2008, RINA surveillance.
- Best quality German Powder ABC multipurpose.
- Cylinder: Sandblasted and painted with epoxy polyurethane powder highly resistant to bumps, UV x-ray, maritime climate and industrial corrosive environment.
- Fire class rated A IVB

Kg 25 - Kg 50 - Kg 100

Options:

- Aluminium horn for 50 and 100 kg.
- Hose from 5 up to 10 mt.
- Third swivel front wheel.
- Detachable frame may be painted, red, or black.



pressure gauge

on 50 & 100 kg



Swivel coupling
It allows easy unrolling of the hose avoiding twisting

on 25 kg



Cod. 21035_1
It allows easy unrolling of the hose avoiding twisting
Discharge pistol with 3/8" swivel coupling. Optional on 50 kg

ON REQUEST



Cod. 21038_2
Horn in aluminium 3/4" shock resistant.



Swivel



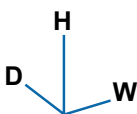
D
Detachable frame



Dust covers available see page 43



W
Welded frame



All types fire class approved A IVB
* Stainless steel cylinder

D = Detachable frame
No welding on the cylinder ensures better and higher safety.

W = Welded frame.
The axe and carrying handle are welded on the cylinder body.



Capacity Kg	Code	Type of frame	Type of valve or cap	Jet length mt~	Discharge time sec~	Packing dimension			
						H cm~	W cm~	D cm~	kg~
25	18130	W	2"	11	25"	102	43	53.5	55
	18130_1	D	2"	11	25"	108	43	53.5	55
	18130_5 *	W	2"	11	25"	108	43	53.5	55
50	18164	W	2"	11	43"	105	45	55	80
	18164_1	D	2"	11	43"	112	45	55	80
100	18181	W	2"	12	99"	129	54	70	155
	18181_1	D	2"	12	99"	129	54	70	155

1

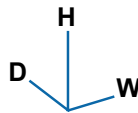
- Approved EN 1866-1:2008

- Fire class rated A IVB
- CE PED 97/23 surveillance: Bureau Veritas.
- Manufactured ISO 9001 Vision 2008 RINA Surveillance.
- Best quality German powder ABC multipurpose.
- Cylinder: Sandblasted and painted with epoxy polyurethane powder highly resistant to bumps, UV x-ray, maritime climate and industrial corrosive environment.

Kg 25 - Kg 50 - Kg 100

Options:

- Aluminium horn for 50 and 100 kg.
- Hose from 5 up to 10 mt.
- Third swivel front wheel.
- Cap 4", safety valve 1", check valve, inspection gauge.
- Detachable frame may be painted, red, or black.



Standard cap



Optional cap



D = Detachable frame
No welding on the cylinder ensures better and higher safety.

W = Welded frame.
The axe and carrying handle are welded on the cylinder body.



All types fire class approved A IVB

* Stainless steel cylinder

Capacity Kg	Code	Type of frame	Type of valve or cap	Jet length mt~	Discharge time sec~	Packing dimension			
						H cm~	W cm~	D cm~	kg~
25	18131	W	2"	11	25"	102	43	53.5	60
	18131_1	W	4"	11	25"	102	43	53.5	60
	18131_2	D	4"	11	25"	102	43	53.5	60
	18131_5 *	D	2"	11	25"	102	43	53.5	60
	18131_7	D	2"	11	25"	102	43	53.5	60
50	14163	W	2"	11	41"	105	45	55	85
	14163_1	W	4"	11	41"	105	45	55	85
	18163_2	D	4"	11	41"	105	45	55	85
	18163_5 *	D	2"	11	41"	105	45	55	85
	18163_7	D	2"	11	41"	105	45	55	85
100	18166	W	2"	12	99"	129	54	70	166
	18166_1	W	4"	12	99"	129	54	70	166
	18166_2	D	4"	12	99"	129	54	70	166
	18166_5 *	D	4"	12	99"	129	54	70	166
	18166_7	D	2"	12	99"	129	54	70	166

Dry powder N2 External cartridge

Kg 25 - 50 - 100 - 150

1

- Approved EN 1866-1:2008

- Fire class rated A I/B
- CE PED 97/23 surveillance: Bureau Veritas.
- Manufactured ISO 9001 Vision 2008 RINA Surveillance.
- Best quality German powder ABC multipurpose.
- Cylinder: Sandblasted and painted with epoxy polyurethane powder highly resistant to bumps, UV x-ray, maritime climate and industrial corrosive environment.

Options:

- Aluminium horn for 50 and 100 kg.
- Hose from 5 up to 10 mt.
- Third swivel front wheel.
- Cap 4", safety valve 1", check valve, inspection gauge.
- Detachable frame may be painted, red, or black.



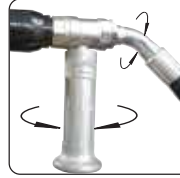
D
Detachable frame



W
Welded frame



nitrogen cartridge



Swivel coupling
It allows easy unrolling of the hose avoiding twisting



It allows easy unrolling of the hose avoiding twisting

Discharge pistol with 3/8" swivel coupling. Optional on 50 kg



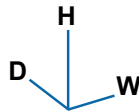
Horn in aluminium 3/4" shock resistant.



Swivel



Dust covers available see page 43



Standard cap



Optional cap

D = Detachable frame
No welding on the cylinder ensures better and higher safety.

W = Welded frame.
The axe and carrying handle are welded on the cylinder body.



Capacity Kg	Code	Type of frame	Type of valve or cap	Jet length mt~	Discharge time sec~	Packing dimension			
						H cm~	W cm~	D cm~	kg~
25	18131_10	W	2"	11	25"	102	43	53.5	60
	18131_11	W	4"	11	25"	102	43	53.5	60
	18131_12	D	4"	11	25"	102	43	53.5	61
	18131_17	D	2"	11	25"	102	43	53.5	61
BC Karate	18135	D	2"	11	25"	102	43	53.5	61
50	18163_10	W	2"	11	41"	105	45	55	85
	18163_11	W	4"	11	41"	105	45	55	85
	18163_12	D	4"	11	41"	105	45	55	87
	18163_17	D	2"	11	41"	105	45	55	87
100	18166_10	W	2"	12	99"	129	54	55	160
	18166_11	W	4"	12	99"	129	54	70	160
	18166_12	D	4"	12	99"	129	54	70	166
	18166_17	D	2"	12	99"	129	54	70	166
150	18150_11	W	4"	12	120"	138	54	70	230
	18150_21	W	4"	12	120"	138	54	70	230
	18150_22	W	4"	12	120"	138	54	70	230

Foam Sealfire X® Stored Pressure

1

- Approved EN 1866-1:2008

- CE PED 97/23 surveillance: Bureau Veritas.
- Manufactured ISO 9001 Vision 2008 RINA Surveillance.
- Top quality SEALFIRE X®, has the best sealing effect, specially developed for use in portables and trolleys extinguishers.

Foam Sealfire A.F.F.F approved MED. MARINE use

- Cylinder: Sandblasted and painted with epoxy polyurethane powder highly resistant to bumps, UV x-ray, maritime climate and industrial corrosive environment.
- Very low environment impact, OECD>90% / 28 days.
- SEALFIRE X® is PFOA / PFOS free.

Lt 25 - Lt 50 - Lt 100

Options:

- Hose from 5 up to 10 mt.
- Third swivel front wheel.
- Detachable frame may be painted, red or black.
- Antifreeze up to -30°C.



Pressure gauge

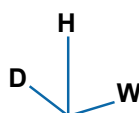


Swivel



Swivel coupling
It allows easy unrolling of the hose avoiding twisting

Dust covers available see page 43



All types fire class approved A IVB

- *Stainless steel 5 years guarantee
- alternative painted inside against corrosion 1 year guarantee.
- Optional: Antifreeze up to -30°C

D = Detachable frame
No welding on the cylinder ensures better and higher safety.

W = Welded frame.
The axe and carrying handle are welded on the cylinder body.



Capacity Lt	Code	Type of frame	Type of valve or cap	Jet length mt~	Discharge time sec~	Std. packing dimension for transport			
						H cm~	W cm~	D cm~	kg~
25	18225 *	W	2"	8	34"	102	39	53.5	60
	18225_1 *	D	2"	8	34"	102	39	53.5	61
	18225_2 *	W	2"	8	34"	102	39	53.5	60
	18225_3 *	D	2"	8	34"	102	39	53.5	61
50 -30°	18226 *	W	2"	8	45"	114	45	55	80
	18226_1 *	D	2"	8	45"	114	45	55	80
	18226_2 *	W	2"	8	45"	114	45	55	80
	18226_3 *	D	2"	8	45"	114	45	55	80
50	18251 *	W	2"	8	45"	114	45	55	80
	18251_1 *	D	2"	8	45"	114	45	55	82
	18251_2 *	W	2"	8	45"	114	45	55	80
	18251_3 *	D	2"	8	45"	114	45	55	82
100	18281 *	W	2"	8	99"	133	55	70	160
	18281_1 *	D	2"	8	99"	133	55	70	166
	18281_2 *	W	2"	8	99"	133	55	70	160
	18281_3 *	D	2"	8	99"	133	55	70	166

Foam Sealfire X® CO2 External cartridge

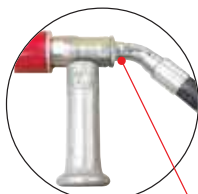
- Approved EN 1866-1:2008

Lt 50 - Lt 100 - Lt 150

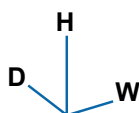
- CE PED 97/23 surveillance: Bureau Veritas.
- Manufactured ISO 9001 Vision 2008 RINA Surveillance.
- Top quality SEALFIRE X®, has the best sealing effect, specially developed for use in portables and trolleys extinguishers.
- Cylinder: Sandblasted and painted with epoxy polyurethane powder highly resistant to bumps, UV x-ray, maritime climate and industrial corrosive environment.

Options:

- Hose from 5 up to 10 mt.
- Third swivel front wheel.
- Cap 4", CE safety valve 1", check valve, inspection gauge.
- Detachable frame may be painted, red, or black.
- Antifreeze up to -30°C.



Swivel coupling
It allows easy unrolling of the hose avoiding twisting



All types fire class approved A IVB

- * Stainless steel 5 years guarantee
- alternative painted inside against corrosion 1 year guarantee.
- Optional: Antifreeze up to -30°C

2" valve
1/4" safety valve

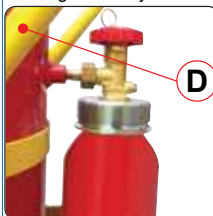


Large cap 4", 1/4" safety valve, vent valve, gauge.



D = Detachable frame
No welding on the cylinder ensures better and higher safety.

W = Welded frame.
The axe and carrying handle are welded on the cylinder body.



Capacity Lt	Code	Type of frame	Type of valve or cap	Jet length mt~	Discharge time sec~	Std. packing dimension for transport			
						H cm~	W cm~	D cm~	kg~
50	18260 *	W	2"	8	47"	114.5	45.5	55	85
	18260_1 *	W	4"	8	47"	114.5	45.5	55	85
	18260_2 *	D	4"	8	47"	114.5	45.5	55	85
	18260_3	W	2"	8	47"	114.5	45.5	55	85
	18260_4	W	4"	8	47"	114.5	45.5	55	85
	18260_5	D	4"	8	47"	114.5	45.5	55	85
	18260_6	D	2"	8	47"	114.5	45.5	55	85
18260_7 *	D	2"	8	47"	114.5	45.5	55	85	
100	18289	W	2"	8	99"	133.5	55	67	160
	18289_1 *	W	4"	8	99"	133.5	55	67	160
	18289_2 *	D	4"	8	99"	133.5	55	67	166
	18289_3	W	2"	8	99"	133.5	55	67	160
	18289_4	W	4"	8	99"	133.5	55	67	166
	18289_5	D	4"	8	99"	133.5	55	67	166
	18289_6	D	2"	8	99"	133.5	55	67	166
18289_7 *	D	2"	8	99"	133.5	55	67	160	
150	18284 *	W	2"	8	150"	138	70	90	230
	18284_1 *	W	4"	8	150"	138	70	90	230
	18284_2 *	D	4"	8	150"	138	70	90	234
	18284_3	W	2"	8	150"	138	70	90	230
	18284_4	W	4"	8	150"	138	70	90	230
	18284_5	D	4"	8	150"	138	70	90	234
	18284_6	D	2"	8	150"	138	70	90	234
18284_7 *	D	2"	8	150"	138	70	90	234	

Foam Sealfire X[®] N2 External cartridge

1

- Approved EN 1866-1:2008

Lt 50 - Lt 100 - Lt 150

- CE PED 97/23 surveillance: Bureau Veritas.
- Manufactured ISO 9001 Vision 2008 RINA Surveillance.
- Top quality AFFF SEALFIRE X[®], has the best sealing effect, specially developed for use in portables and trolleys extinguishers.
- Cylinder: Sandblasted and painted with epoxy polyurethane powder highly resistant to bumps, UV x-ray, maritime climate and industrial corrosive environment.

Options:

- Hose from 5 up to 10 mt.
- Cap 4" with CE safety valve 1", check valve, inspection gauge.
- Detachable frame may be painted, red, or black.
- Antifreeze up to -30°C.

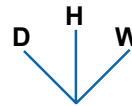


Swivel coupling
It allows easy unrolling of the hose avoiding twisting



On request available with N2 pressure reducer

Dust covers available see page 43



All types fire class approved A IVB

- * Stainless steel 5 years guarantee
- alternative painted inside against corrosion 1 year guarantee.
- Optional: Antifreeze up to -30°C

2" valve
1/4" safety valve



Large cap 4", 1/4" safety valve, vent valve, gauge.



D = Detachable frame
No welding on the cylinder ensures better and higher safety.



W = Welded frame.
The axe and carrying handle are welded on the cylinder body.



Capacity Lt	Code	Type of frame	Type of valve or cap	Jet length mt~	Discharge time sec~	Std. packing dimension for transport			
						H cm~	W cm~	D cm~	kg~
50	18260_10 *	W	2"	8	47"	114.5	45.5	55	85
	18260_11 *	W	4"	8	47"	114.5	45.5	55	85
	18260_12 *	D	4"	8	47"	114.5	45.5	55	85
	18260_13	W	2"	8	47"	114.5	45.5	55	85
	18260_14	W	4"	8	47"	114.5	45.5	55	85
	18260_15	D	4"	8	47"	114.5	45.5	55	85
	18260_16	D	2"	8	47"	114.5	45.5	55	85
100	18260_17 *	D	2"	8	47"	114.5	45.5	55	85
	18289_10 *	W	2"	8	99"	133.5	55	67	160
	18289_11 *	W	4"	8	99"	133.5	55	67	160
	18289_12 *	D	4"	8	99"	133.5	55	67	166
	18289_13	W	2"	8	99"	133.5	55	67	160
	18289_14	W	4"	8	99"	133.5	55	67	160
	18289_15	D	4"	8	99"	133.5	55	67	166
150	18289_16	D	2"	8	99"	133.5	55	67	166
	18289_17 *	D	2"	8	99"	133.5	55	67	166
	18284_10 *	W	2"	8	150"	138	70	90	230
	18284_11 *	W	4"	8	150"	138	70	90	230
	18284_12 *	D	4"	8	150"	138	70	90	234
	18284_13	W	2"	8	150"	138	70	90	230
	18284_14	W	4"	8	150"	138	70	90	230
18284_15	D	4"	8	150"	138	70	90	234	
18284_16	D	2"	8	150"	138	70	90	234	
18284_17 *	D	2"	8	150"	138	70	90	234	

- Approved EN 1866-1:2008

- CE PED 97/23 surveillance: Bureau Veritas.
- Manufactured ISO 9001 Vision 2008 RINA Surveillance.

Extremely compact and easy to move and transport.
 Designed for use in industrial field.
 Suitable for use on live electrical equipment.
 It is used to extinguish fires of flammable liquids, switchboards, benzene, oils, varnishes, alcohol, etc where fire needs extinguishing but does not have to leave traces of dirt.

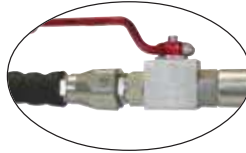
Kg 10 - Kg 20 - Kg 30 - Kg 50

Replace oxygen, necessary for the combustion, with inert gas.
 Good jet and excellent snow horn.
 Cooling quickly, snow of CO2 flows at a temperature of -78°C.
 It is not advised to be used in small place, in presence of people.
 Avoid breathing CO2 gas and after the discharge always leave the area if has been used in closed rooms. Interception valve.
 High efficient horn.



18311_2
10 KG

Approved fire class 144



Optional
 With swivel device 3/8"

98042

It allows quick and easy unrolling avoiding twisting

All types fire class approved 233

Dust covers available see page 43



18321_6
20 KG



98071 Mounting bracket for helicopter lance

98009 Helicopter lance 2 mt



18322_2
30 KG



18352_2
50 KG

! Longer hose up to 10 mt available and approved.

Code	Capacity Kg	Cylinder diameter mm~	Type of valve	Wheels diameter mm~	Jet length mt~	Discharge time sec~	Std. packing dimension for transport			
							H cm~	W cm~	D cm~	kg~
18311_2	10	154	25 E	300	4	17"	90	35	104.5	38
18321_6	20	230	25 E	300	4	32"	97	40	60	70
18322	30	230	25 E / 1"	300	4	35"	114	49	115	85
18352	50	270	1"	400	4	52"	143.5	65	140	156



Carrying frame standard yellow optional Red or Black

Trolleys Fire Extinguishers ABC & BC Powder



100% Made
in Italy

ABC Powder 20%
BC Powder



Kg 50

High quality products, designed to attack fire with maximum power. The cylinder is completely made in stainless steel AISI 304, granting high resistance to corrosion and atmospheric agents.

The large neck ring and the cap M120, allow the fire extinguisher to be easily inspected and refilled, while the safety valve set at 24 ± 2 bar avoid excessive overpressure.



Hose is a high resistance EPDM Rubber pipe, external diameter 26 mm, designed with a burst pressure above 60 bar, more than 5 meter long, is perfect to get closer to the fire and get the best performance out of the trolley.



Kg 50
14716
ABC Powder 20%

Kg 50
14717
BC Powder

**Stainless Steel
Cylinder**



The External cartridge, CO2 operated, mounts a special lever valve instead of the normal handwheel valve.

Big and solid rear wheel diameter 300 mm are made in strong plastic covered in rubber, together with high resistance front swiveling wheel, diameter 80 mm, and a perfectly balanced center of gravity, allow high maneuverability to rapidly reach the fire.

Capacity Kg	Code	Type of frame	Type of valve or cap	Jet length mt~	Discharge time sec~	Packing dimension			
						H cm~	W cm~	D cm~	kg~
50	14716	D	M 120x3	11	41"	105	50	60	88
	14717	D	M 120x3	11	41"	105	50	60	88

New 14716 - 14717

Trolleys Fire Extinguishers Water + Foam A.F.F.F.



100% Made in Italy

1

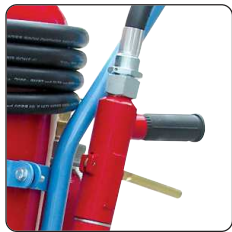
Lt 50

High quality products, designed to attack fire with maximum power. The cylinder is completely made in stainless steel AISI304, granting high resistance to corrosion and atmospheric agents.



The large neckring and the cap M120, allow the fire extinguisher to be easily inspected and refilled, while the safety valve set at 24+-2 bar avoid excessive overpressure.

Hose is a high resistance EPDM Rubber pipe, external diameter 26mm, designed with a burst pressure above 60 bar, more than 5 meter long, is perfect to get closer to the fire and get the best performance out of the trolley.



The External cartridge, CO2 operated, mounts a special lever valve instead of the normal handwheel valve.

Big and solid rear wheel diameter 300mm are made in strong plastic covered in rubber, together with high resistance front swiveling wheel, diameter 80 mm, and a perfectly balanced center of gravity, allow high maneuverability to rapidly reach the fire.

The Foam version mount a high resistance aluminum nozzle, while the powder version a plastic machine gun: they are both coupled to the hose thanks to a swiveling coupling which allows to unroll the hose perfectly, without losing time. High quality Epoxypolyester painting prevent corrosion and assures high visibility.



Lt 50
14726
Foam A.F.F.F.

Lt 50
14726_20
Foam A.F.F.F.
(-20° C)

Capacity Lt	Code	Type of frame	Type of valve or cap	Jet length mt~	Discharge time sec~	Packing dimension			
						H cm~	W cm~	D cm~	kg~
50	14726	D	M 120x3	8	45"	105	50	60	86
	14726_2	D	M 120x3	8	45"	105	50	60	86

14726_20 CE MARKED



New 14726 - 14726_20

1 Trolleys Fire Extinguishers

Lithium D FAVORIT M Powder



100% Made in Italy

Low Velocity Discharge Applicator
CE marked
For D class fires

Kg 25

Kg 50 - 75 Kg - Kg 100



CE Marked

- Fire class rated D
- CE PED 97/23 surveillance: Bureau Veritas.
- Manufactured ISO 9001 Vision 2008 RINA Surveillance.
- Best quality German.
- Cylinder: Sandblasted and painted with epoxy polyurethane powder highly resistant to bumps, UV x-ray, maritime climate and industrial corrosive environment.

The extinguisher contains powder which is suitable for fires involving **lithium**.

Unique lance applicator designed to allow the powder to fall gently over the fire.

Highly effective against metal fires, which include fires caused by **sodium, magnesium and aluminium** when in the form of powder or swarf.



Use **D FAVORIT M** Dry Powder on 'Class D' specialist metal fires - particularly those involving Alkali metals such as Sodium, Potassium, Magnesium and Aluminium when in the form of swarf or powder (Note: **D FAVORIT M** is suitable for Lithium fires).

The unique lance applicator is designed to allow the powder to fall gently over the fire to prevent burning material from spreading.

D FAVORIT M is a Dry Powder fire extinguisher based on Sodium Chloride that has been treated with flow and moisture repellent additives.

D FAVORIT M extinguishes metal fires by fusing the powder to form a crust, which then excludes oxygen from the surface of the molten metal. The addition of a specific agent prevents the powder from sinking into the surface of the molten metal.

Standard cap



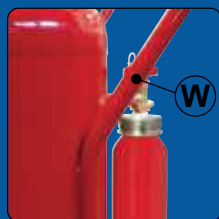
Optional cap



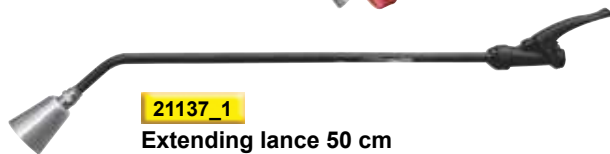
D = Detachable frame
No welding on the cylinder ensures better and higher safety.



W = Welded frame.
The axe and carrying handle are welded on the cylinder body.



Kg 25
18131_6



21137_1

Extending lance 50 cm complete with pistol for smoother fires of metals class "D"

Powder **D FAVORIT M** tested by **MPA Dresden** Certificate of Conformity reference number KB 116/13 with portable EN3 fire extinguishers, equipped with a class D fire applicator:

- Fire test object **Magnesium acc.** to annex NA of DIN EN 3-7 with 12 kg powder.
- Fire test object **Sodium acc.** to annex NA of DIN EN 3-7 with 12 kg powder.
- Fire test object **Lithium** (without specification) with 12 kg powder.



Certified by MPA of Dresden in Germany.



Kg 50
18163_6

Kg 75
18166_6

Kg 100
18170_6

- Corrosion resistant high grade valve
- Seize and squeeze for maximum control
- Unique lance applicator designed to allow the powder to fall gently upon the fire

- Highly effective against metal fires, including Lithium when in the form of powder or swarf.

Twin Agents - Powder + Foam

Made in Italy  

1

Cod.	Powder Kg	Foam Lt	Dimension cm L x P x H	Weight Kg ~	Jet mt ~	Discharge time
19001	50 +	50	122x104x127	190	8+8	30+30"
19002	100 +	100	128x110x127	300	10+10	50+50"

Twin Agents, is composed by a single frame with mounted two cylinders, one filled with dry Powder and one with Foam. Wheels are mounted on roller bearings. Easy manoeuvrability, designed for use by one person, allows to push the unit forward, or pulling. It can also be equipped with truck towing eye. Dry powder may be Monnex, sodium bicarbonate, potassium bicarbonate Purple K, Potassium sulphate or ABC 90% of MAP. The combined action makes them unbeatable in the fight against the fire. On large fires of flammable liquids, the action of the foam sealing effect Sealfire, creates a fast knock down of the flames and reduce the heat; if not totally extinguished the scene of fire

can be approached easily, use dry powder and get the final positive result. Twin agents are indicated and essential in airports, refineries, large deposits of liquid flammable dangerous goods stores and stacking flammable.

Unique system allow the pressurization in less than 10 seconds of both cylinders, than a second cylinder with a pressure reducer guarants the constant pressure, discharging completely without internal residue.

The cylinder containing the foam is made of stainless steel. Version with towing eye and bigger sizes on request.



Machine guns 2 lt / Kg per sec high flow. Hoses has swivelling connectors and both can be operated by one person.

Trolley fire extinguisher special version for Airports

Made in Italy  



100 kg version used in airport areas. Loaded with versatile high efficiency dry powder multipurpose ABC 90% MAP. The model can be easily manoeuvred by hand or car towed. **Optional stainless steel cylinder**

Description	Cod.	
	12153a	12154a
Nitrogen cylinder	direct	with pressure reducer
Powder ABC kg	100	100
Weight kg	250	250

12153 100 KG
Approx weight 250 Kg

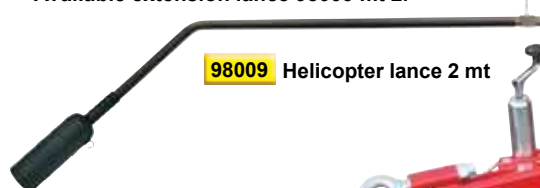
120 kg CO2 Trolley fire extinguisher special version

Made in Italy  

19005 120 kg CO2 Trolley fire extinguisher
120 kg CO2 immediately ready to use.

- Continuous discharge for more than 2 minutes;
- ON/OFF Ball valve to adjust the jet;
- Ideal for airports and helideck applications;

Available extension lance 98009 mt 2.



98009 Helicopter lance 2 mt



Approx weight 250 Kg

110
100
205



Portable fire Extinguishers Med Marine



100% Made in Italy

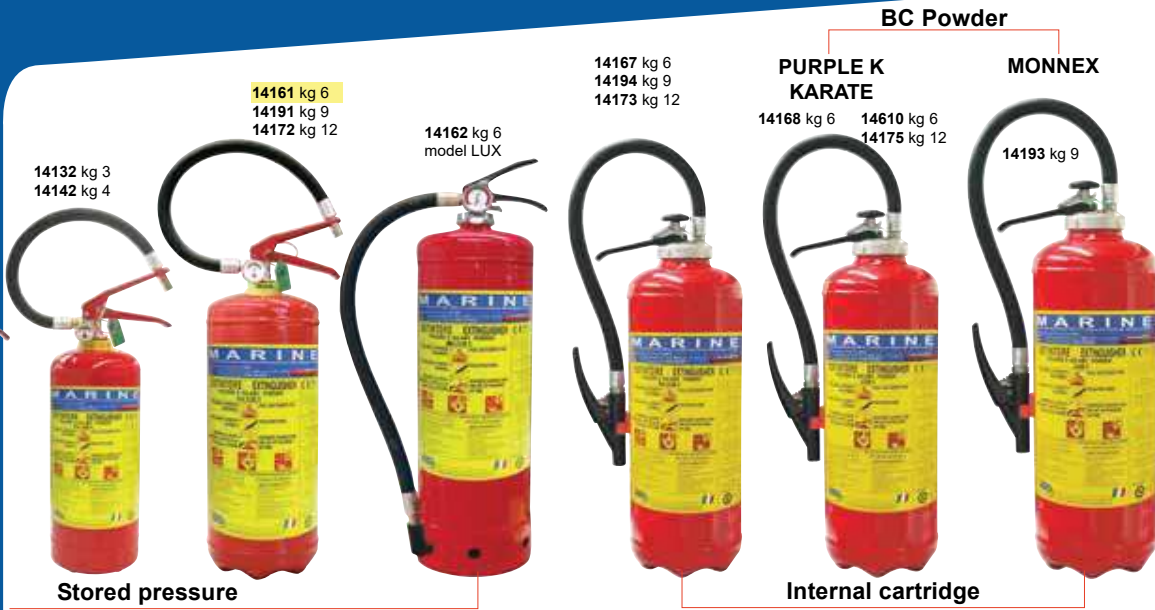
Optional: Stainless steel cylinder, Anti-magnetic version)

Powder ABC & BC Purple K Karate Monnex



14122 kg 2

14111 kg 1
14121 kg 2



14132 kg 3
14142 kg 4

14161 kg 6
14191 kg 9
14172 kg 12

14162 kg 6
model LUX

14167 kg 6
14194 kg 9
14173 kg 12

**PURPLE K
KARATE**

14168 kg 6 14610 kg 6
14175 kg 12

MONNEX

14193 kg 9

Stored pressure

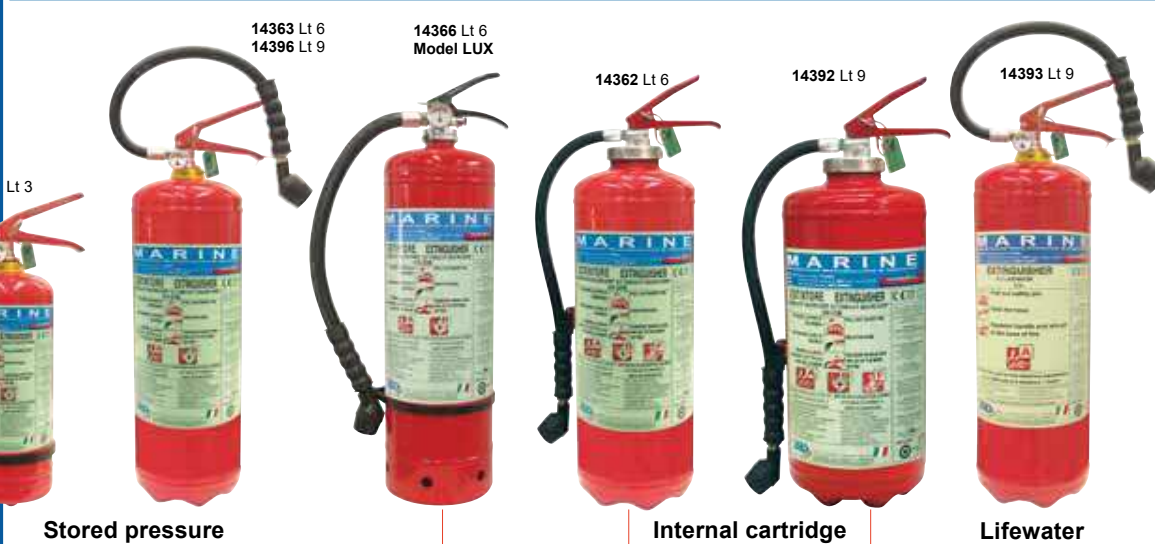
Internal cartridge

Foam A.F.F.F. & Lifewater



14320 Lt 2
14320_30 Lt 2

14331 Lt 3



14363 Lt 6
14396 Lt 9

14366 Lt 6
Model LUX

14362 Lt 6

14392 Lt 9

14393 Lt 9

Stored pressure

Internal cartridge

Lifewater

CO2 Carbon Dioxide



14222 Kg 2
Steel



14221 Kg 2
aluminium

14221 Kg 2
Steel

14252 Kg 5
aluminium

14251 Kg 5
Steel

Ecological gas extinguishant, do not leave residue, no thermal shocks on computer.

14440 Kg 4

14410 Kg 1

The largest range of Portable Fire Extinguishers





100% Made in Italy

Wheeled fire Extinguishers Med Marine



1

Certified MED Marine 96/98/EC & Certified EN 1866-1

STORED PRESSURE



N2 or CO2 CARTRIDGE OPERATED



Powder
ABC & BC
Purple K
Karate
Monnex

14150_11
150 kg

STORED PRESSURE



N2 or CO2 CARTRIDGE OPERATED



Foam
A.F.F.F.
Sealfire X

14311
10 kg



14321_6
20 kg



14322
30 kg



14352
50 kg



CO2
Carbon
Dioxide

The largest range of Wheeled Fire Extinguishers



1



Easyfire®: automatic fire extinguishing system

It is an efficient and economical extinguishing system specially designed for boats and yachts. It is filled with the ECO CLEAN GAS OZONE FRIENDLY, HFC 227 better known as FM200®. It conforms to NFPA 2001, accepted by EPA. It fully respects the Ozone layer because its ODP is ZERO. Its use is permitted in rooms in the presence of people. The gas is recognized as a clean agent and it fully respects the environment. In case of fire, the boat's engine room is immediately safe in less than 10 sec. The gas is transparent, absolutely clean, it does not leave residues, it does not damage the engine, and it is safe for the people and animals. The fire is extinguished immediately the gas HFC 227 is released. It works automatically when the temperature in the engine room reaches 93°C.

The unit fully charged ready to use includes a strong wall bracket. A pressure gauge signs in a green area the functionality of the units. Manufactured under surveillance of Bureau Veritas



and marked CE Tested, approved and certified ISO 9094 by RINA Marine authority worldwide.

It protects max 20 m3

Code	Charge Kg	Diam mm	H mm	M3 Room
15230	1	110	380	1,7
15231	3	130	400	5
15232	6	160	475	10
15224	9	190	550	15
15233	12	190	600	20

24002 Automatic valve with sensitive temperature set at 93°C. Operated also with manual actuator.

* HFC 227 known as FM 200®, **OZONE AND ENVIRONMENTALLY FRIENDLY CLEAN, does not damages computer equipment, not harmful for humans and animals.**

Optional Accessories suitable for Easyfire® and Firekill

Choose only 1 accessory:
Pull lever, steel wire actuator
Electric actuator

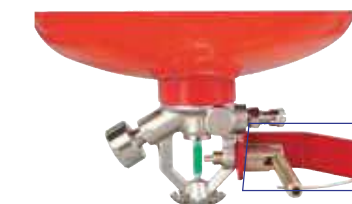
Termocable

- 47034** 88°C
- 47035** 105°C FM. listed
- 47036** 138°C UL. listed



Termocable act as a temperature fire detector. With fire, it melts and the short circuit acts as switch activating the electric actuator 43001. The control box 23023 control the integrity of the cable, its failure and indicates the immediate discharge. Standard suggested is 105°C.

Box pull cable



20412

Box pull cable



- 41003** Brass red painted
- 23012** Stainless steel

Brass red painted
Dimension: 90x60

Manual actuator

need adaptor **20412** + pull lever steel wire, + a choice of box



Pull lever, steel wire

- 41006** 5 mt
- 23011** 10 mt



Boxx pull cable Stainless steel
23017
mm: 90x60

Alarm pressure switch

Optional

Warns of low pressure, it actuates alarms, other safety device. 23024 Switch could be set N.O. or N.C. when low pressure or activation it will close or open the contact. Contacts support max 220 Volt 10A



23024 Pressure switch N.C. + NO

Electronic Box pull cable

Electronic control box Includes a circuit to check, integrity, failure, discharge. Green led indicates good operating, while red indicates trouble or discharge. Emergency push button for manual discharge. Seal ensures that children may activate the system.

(Alternative professional control box 23023) to next page

23022 Stainless steel Silver plated



mm: 90x60

Picture in open position



Led
Button actuator
Tamper seal

23022_1 Gold 24K plated



True Gold 24K

43001 Electric actuator



Combined with an electric switch on place or to the control box 23022 or to 23023 on the next page, active the discharge. Universal voltage, 1A.

Firekill Marine approved RINA ISO 9094

Nozzle fixed on the top of the motor engine

Firekill® is a pressurized cylinder filled with clean gas **HFC227, or ABC powder**. It is automatic with manual remote control. It is equipped with one thermosensitive bulb, at 93°C (or on request at 68°, and 79°C). Firekill® has a versatile valve, completely automatic without use of any source of energy. It has a manual remote control pull cable and on request an electric actuator.

Moreover it is possible to connect a control box that controls thermocable or smoke detectors. Firekill® unique valve has two outlets, diam. 3/8" pipes, a maximum of 4 nozzles.

Its great advantage is that it may distribute the jet with precision in the effective point of the fire risk.

Assembly without the necessity to thread pipes, extremely easy and quick. Suitable also to protect mixes of varnishes, garages, flammable liquids storage, etc. The gas is clean, does not leave residues, it is safe for humans and animals, and fully ecological with the environment.



SYSTEM FIREKILL® KIT SUPPLIED WITH:

- Cylinder marked CE PED 97/23
- Automatic valve 2 outlet 3/8"
- Aluminium pipe diam. 10x1
- Special nozzle 3/8"m or 1/4"
- Remote pull cable n. 1
- Steel wire 5 mt
- Coupling rapid connection 10x1
- Bracket for extinguisher (Optional in Stainless steel).

It protects max 20 m3

* HFC 227 known as FM 200®, **OZONE FRIENDLY RESPECT THE ENVIRONMENT.**

CLEAN, does not damage computer equipment, not harmful for humans and animals.

FIREKILL® Powder					
Code	Protected Vol.		D	H	Pipe
	kg	M3	mm	mm	mt
15241	1	1.7	110	390	2
15227	3	5.1	140	410	4
15228	6	10	160	485	5
15226	9	15	190	550	6
15229	12	20	190	610	8

FIREKILL® HFC 227					
Code	Protected Vol.		D	H	Pipe
	kg	M3	mm	mm	mt
15237	1	1.7	110	390	2
15238	3	5.1	140	410	4
15239	6	10	160	485	5
15242	9	15	190	550	6
15240	12	20	190	610	8

23023 MARINE CONTROL BOX FOR FIREKILL & EASYFIRE (In alternative cheaper control box 23022)

CHASSIS IN ABS

Strong plastic housing, for best protection. It ensures an excellent heat dissipation which allows long periods of operation even at highest climate conditions.

Maximum connection distance

- With shielded twisted pair cable 150 mt.
- Maximum ease of use
- Large backlit LCD 16X2

Dashboard unit.

Simple, small, safe, it controls all the functions, integrity, failures, and for emergency discharge.

100% waterproof and sea climate environment resistant. Special circuit protects against accidental discharge, or children tampering.

Remote CPU

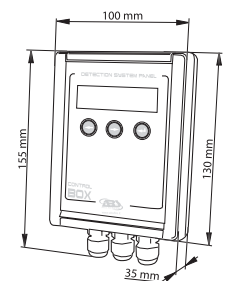
Programmable with its 3 buttons in most European languages.

Upon system discharge, it shutdown engine, forced ventilation, fans, electrical system, actuate sound and visual alarm.

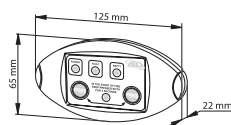
Technical specifications

- Power supply : 12Vdc
- Output relay : Max 3A
- Signal input : 12mA/12Vdc
- Microcontroller : Advanced RISC 8bit
- Communication : RS485 half duplex

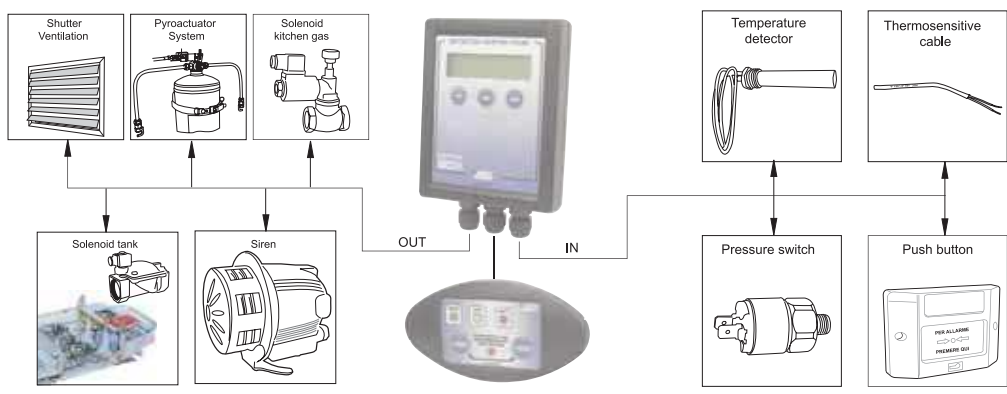
- Backlit LCD Display 16x2
- Acoustic and optical signal with led.
- Programming by buttons.



CPU weight: 230 gr



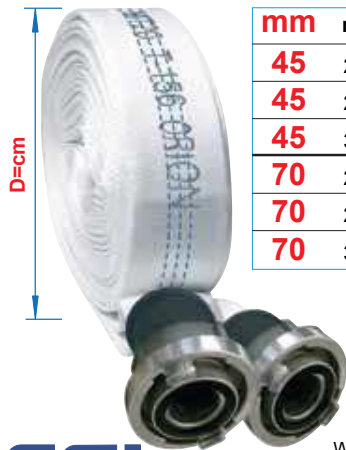
Dashboard weight: 57 gr



Fire hoses certified EN 14540 - on request mm 38, 52, 75.

ORION

Indicated for indoor applications, condominium, factories, warehouses.
Polyester lining, internally coated with PVC.



mm	mt	code #	Storz	D= cm
45	20	51224	C52	30
45	25	51324	C52	32
45	30	51424	C52	34
70	20	51227	B75	33
70	25	51327	B75	35
70	30	58427	B75	37

Certified EN 14540
CSI certificate DC03/007/F10

CSI

	mm 45	mm 70
Weight gr/mt of hose ~	140	250
Working pressure bar	12	12
Bursting pressure bar~	> 45	> 42

CRYSTAL GOLD

Polyester lining, high quality, internally coated with EPDM. Excellent aging and mould resistance. Good for outdoor cabinets.



mm	mt	code #	Storz	D= cm
45	20	55230	C52	32
45	25	on request	C52	34
45	30	on request	C52	36
70	20	55231	B75	33
70	25	on request	B75	37
70	30	on request	B75	39

Certified EN 14540
CSI certificate DC03-002-F08
Nato code NUC: 4720-15-162-3746



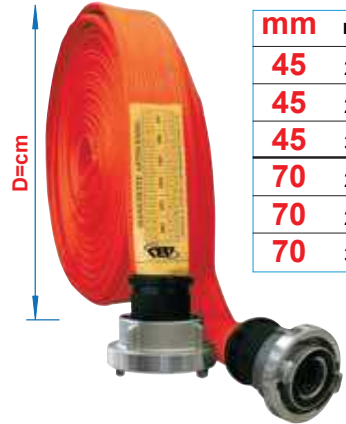
CSI

	mm 45	mm 70
Weight gr/mt of hose ~	220	400
Working pressure bar	12	12
Bursting pressure bar~	> 45	> 42

STAR RED

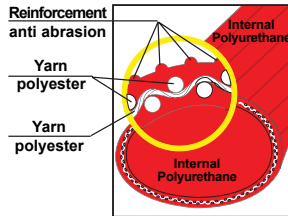
Double coating, polyester lining, inside and outside with poliuretano, good acid resistant, easy wash, do not need dry after usage. Reinforced anti abrasion. Mould aging resistant.

EXCELLENT PRICE / QUALITY



mm	mt	code #	Storz	D= cm
45	20	58225	C52	32
45	25	on request	C52	34
45	30	on request	C52	36
70	20	51427	B75	35
70	25	on request	B75	37
70	30	on request	B75	39

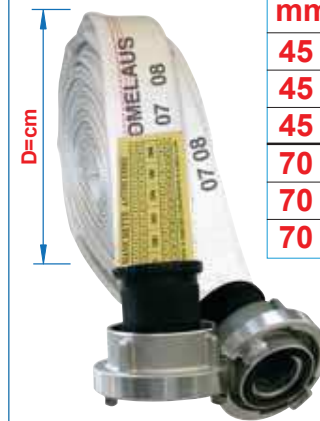
Conform to EN 14540



	mm 45	mm 70
Weight gr/mt of hose ~	350	600
Working pressure bar	12	12
Bursting pressure bar~	> 45	> 42

CHAMPION GOMEL

Polyester high quality, lined with Gomel PVC, Thoni quality, known and appreciated by over 30 years. anti aging, anti mould.



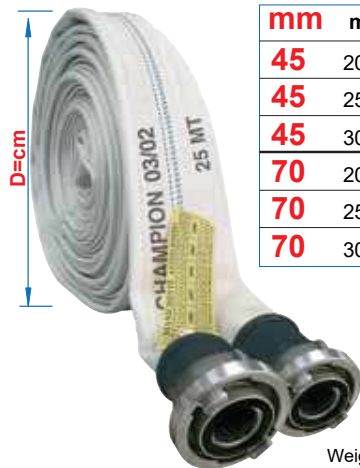
mm	mt	code #	Storz	D= cm
45	20	50224	C52	32
45	25	50324	C52	34
45	30	50424	C52	36
70	20	50227	B75	35
70	25	50327	B75	37
70	30	50427	B75	39

Certified EN 14540

	mm 45	mm 70
Weight gr/mt of hose ~	200	400
Working pressure bar	12	12
Bursting pressure bar~	> 45	> 42

CHAMPION SUPER

Polyester high resistance, internally coated with, Thoni quality, superb in the market appreciated by 30 years. Anti aging, anti mould.



mm	mt	code #	Storz	D= cm
45	20	53224	C52	32
45	25	53324	C52	34
45	30	53424	C52	36
70	20	53227	B75	35
70	25	53327	B75	37
70	30	53427	B75	39

Certified EN 14540

	mm 45	mm 70
Weight gr/mt of hose ~	200	400
Working pressure bar	12	12
Bursting pressure bar~	> 45	> 42

MARINE MED SOLAS

Polyester high resistance, internally coated with EPDM. Approved MED SOLAS. Anti aging, anti mould.



mm	mt	code #	Storz	D= cm
45	20	57224	C52	32
45	25	57324	C52	34
45	30	57424	C52	36
70	20	57227	B75	35
70	25	57327	B75	37
70	30	57427	B75	39

Certified EN 14540 and MED
Certificate CSI MED 0497/205/10

available sizes diam 38/52/75

see page 87

	mm 45	mm 70
Weight gr/mt of hose ~	220	410
Working pressure bar	12	12
Bursting pressure bar~	> 45	> 42

5

HERCULES

Extruded fire hose embedding the high tenacity Polyester weaving into a Nitrile PVC compound, provides the best rubber-to-textile adhesion modern technology can achieve. Is unaffected by low/high temperatures and seawater. No drying required, mildew resistant, rot and vermin proof, flexible and very easy to maintain. Fully conform to EN 14540. Mould aging resistant.



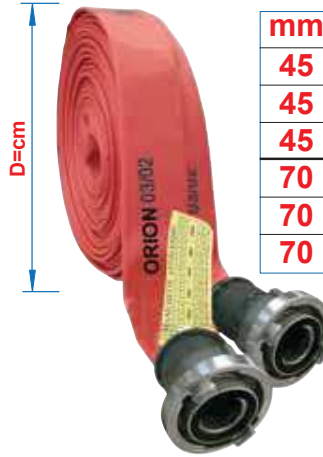
mm	mt	code #	Storz	D= cm
45	20	on request	56225	38
45	25	on request	on request	40
45	30	on request	on request	42
70	20	on request	56228	41
70	25	on request	on request	43
70	30	on request	on request	45

PROFESSIONAL USE FOR TRAINING, FIRE BRIGATE, SUPER ABRASION RESISTANT

	mm 45	mm 70
Weight gr/mt of hose ~	410	650
Working pressure bar	12	12
Bursting pressure bar	> 50	≥ 50

ORION RED

Used by fire brigades, industries, and for irrigation purposes. Requires a minimum of maintenance. Very flexible, mould UV-light/ozone resistant and virtually unaffected by climatic conditions, hot or cold. Made from high tenacity Red Polyester filament yarn, woven on circular looms and EPDM inner lined.



mm	mt	code #	Storz	D= cm
45	20	52224	C52	38
45	25	52324	C52	40
45	30	52424	C52	42
70	20	52227	B75	41
70	25	52327	B75	43
70	30	52427	B75	45

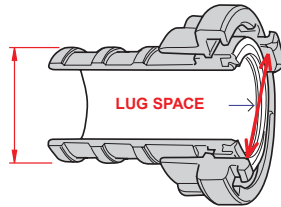
Certified EN 14540

	mm 45	mm 70
Weight gr/mt of hose ~	320	640
Working pressure bar	12	12
Bursting pressure bar	> 45	≥ 42

COUPLINGS Storz, BSS

Hose diameter	
1 1/2"	38 mm
1 3/4"	45 mm
2"	50 mm
2 1/2"	63 mm
2 3/4"	70 mm
3"	75 mm

Other coupling page 81



STORZ

Cod.	Ø	Lug	storz
65302	45	59	45
65344	45	66	52-C
65345	70	89	75-B
65352	52	66	52-C
65363	63	81	65
65370	70	81	65
65371	75	89	75-B

In aluminium. On request brass, or bronze



BSS 336

ORION + BSS

Indicated mainly for indoor applications, condominium, factories, warehouses. Polyester lining, internally coated with PVC.

50428 mt 20, 63 mm, 2" 1/2



All hoses in the pages before may have connections instantaneous BSS 336

BSS 336 Instantaneous

	mm 45	mm 70
Weight gr/mt of hose ~	140	250
Working pressure bar	12	12
Bursting pressure bar	> 45	≥ 42

Hose for reel mm 25 - EN 14540:2006 - EN 694:2005

HOSE FLAT FOR REEL

EN 14540



53222 mt 20, 25, 30 diameter 25 mm

1" 25 mm polyester and EPDM lined flat hose. WP 12 bar, Burst Pressure >45 bar

25 mm

SEMIRIGID HOSE EN 694

for reel EN 694:2005

54511	30 mt Diameter 19 mm
54221	20 mt DN 25
54321	25 mt DN 25
54421	30 mt DN 25

Polyester, EPDM lined, nylon spiral, light weight, Working pressure 12 bar, burst >45 bar, couplings 1" on request. Indoor light hose reel applications



RUBBER HOSE EN 694

for reel EN 694:2005

54413 20 mt DN 25, red

Working pressure 12 bar, burst >45 bar, high resistance to the abrasion. Outdoor and indoor professional hose reel application.



WATER NOZZLE, BRANCHPIPE, EN 671-2



WATER NOZZLE
Shut off - full jet - spray jet
Strong aluminium in light alloy.

K = 79
Ø = 12
Q = 135
P = 0,3



BEST
Quality/Price

2" male
64226

62046 Nozzle 2"
High flow, light alloy

K = 110
Ø = 15
Q = 190
P = 0,3



Storz C52

62048 Nozzle 2 1/2"
High flow, light alloy



Storz B75

Vario High Flow

Robust but light weight, variable jet, angle max 125°, easy rotating gear shut off, full jet or spray.
Rubber coating, light alloy.
Couplings Storz, other types on request.
Jet length about 25 mt.



62047 With handle

WATER CURTAIN, PROTECTS FIREMAN
Shut off - full jet - spray jet
Strong aluminium in light alloy.

K = 79
Ø = 12
Q = 135 + shield
P = 0,3



Additional ring, produce a protective water shield.

Storz C52
64223

BSS INSTANTANEOUS
Shut off - full jet - spray jet
Strong aluminium in light alloy.

K = 79
Ø = 12
Q = 135
P = 0,3



2" 1/2 BSS
64022

STORZ 52-C
Shut off - full jet - spray jet
Strong aluminium in light alloy.

K = 79
Ø = 12
Q = 135
P = 0,3



2" male
No coupling
64226

Storz C52
64213

K=Coefficient - Ø=Nozzle diameter - Q=Flow Lt/min - P=Pressure Mpa

6

WATER NOZZLE

AMERICA

Brass made, variable jet, angle max, easy rotating gear shut off, full jet or spray.
Couplings all types on request.
For professionals.
Jet length about 25 mt.

K = 110
Ø = 15
Q = 190
P = 0,3



1 1/2"
64252

VARIO SHORT

Shut off- full jet - spray jet.
Made in plastic.
Basic use.
Couplings all types available



K = 72
Ø = 12
Q = 120
P = 0,3
1 1/2"
64021

VARIO LONG

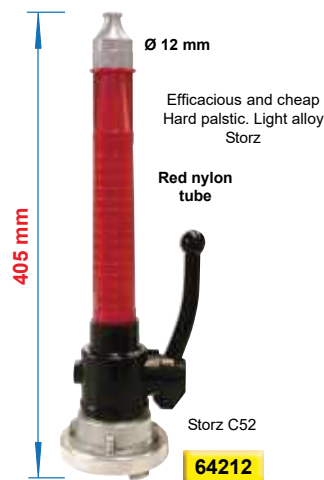
Shut off- full jet - spray jet.
Made in plastic.
Basic use.
Couplings all types available.



K = 90
Ø = 13
Q = 156
P = 0,3
UNI 45
64007

WATER NOZZLE

Shut off -full jet - spray jet



Ø 12 mm

Efficacious and cheap
Hard palstic. Light alloy
Storz

Red nylon tube

Storz C52
64212

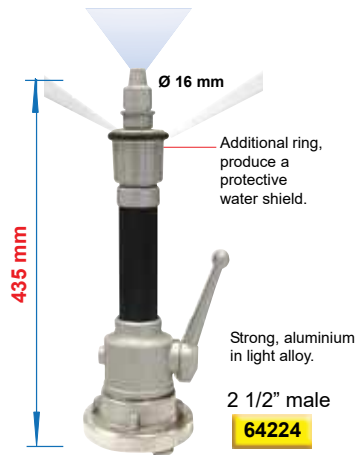
Technical data are subject to modification for improvements without prior notice

WATER NOZZLE BRANCHPIPE 70mm

Water curtain shut off- full jet - spray jet
CSI EN 15182 Certified



K = 145
Ø = 16
Q = 250
P = 0,3



VARIO LONG

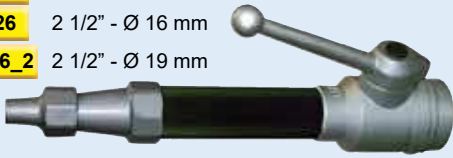
Shut off- full jet - spray jet made in plastic.
Basic use. Couplings all types available

K = 200
Ø = 17
Q = 360
P = 0,3



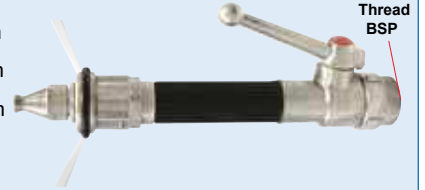
Water nozzle branchpipe Marina MED EN 15182

- 64125 2" - Ø 12 mm
- 64126 2 1/2" - Ø 16 mm
- 64126_2 2 1/2" - Ø 19 mm



- 64125_1 2" - Ø 12 mm
- 64126_1 2 1/2" - Ø 16 mm
- 64126_3 2 1/2" - Ø 19 mm

WATER CURTAIN, PROTECTS FIREMAN
Additional ring, produce a protective water shield.



MED see pag 87

For coupling BSS, Storz and other see pag. 81

TURBO EASY

Turbo models, produce full or spray jet, variable angle and flow. It can produce very fine spray jet enabling use under electricity. Water curtain protects the fireman. Ergonomic handle and shut off valve. All types of couplings available.

64006 Nozzle turbo JET 2" F



64005 Nozzle turbo JET 2 1/2" F



Fully conform to EN 671-2

Branchpipe for reel EN 671-1

64013

Brass



DN 25

K=23
Ø=7
Q=45
STRONG

According to EN 671-1

64020

ABS



DN 25

K=23
Ø=7
Q=45
STANDARD

Cheaper

64009

ABS



1" Fem

K=33
Ø=9
Q=80
GOOD

Certificate according to EN 671-1

64011

Brass/ABS



DN 25

K=30
Ø=7
Q=60
GOOD

According to EN 671-1

64016

Aluminium HIGH FLOW

64016_1 DN 19



DN 25

K=80
Ø=12
Q=160
SUPERB

According to EN 671-1

64025

Alum/ABS



1" F

K=30
Ø=7
Q=60

According to EN 671-1

66800



Coupling 1" M x UNI 25 mm M

66801



Coupling 1" F x UNI 25 mm F

K = Q
10P

Q= Litri/min. at 4 bar
P= Pressure Mpa
K= Coefficient

Marina MED / SOLAS equipments

ORION

Industrial or Naval use. Polyester high resistance, PVC internally coated.



Ø 38 mm

Cod.	L = mt
57115	mt 15
57215	mt 20
57315	mt 25
57415	mt 30

Ø 45 mm

Cod.	L = mt
57116	mt 15
57216	mt 20
57316	mt 25
57416	mt 30

Ø 52 mm

Cod.	L = mt
57118	mt 15
57218	mt 20
57318	mt 25
57418	mt 30

Ø 63 mm

Cod.	L = mt
57119	mt 15
57219	mt 20
57319	mt 25
57419	mt 30

Ø 70 mm

Cod.	L = mt
57113	mt 15
57213	mt 20
57313	mt 25
57413	mt 30

The code indicates the hose without connections, specify when ordering the type of connection required.

Available in diameters of, mm 38, 45, 52, 63, 75.

UNI



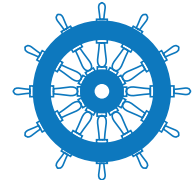
BSS



STORZ



NST



MED

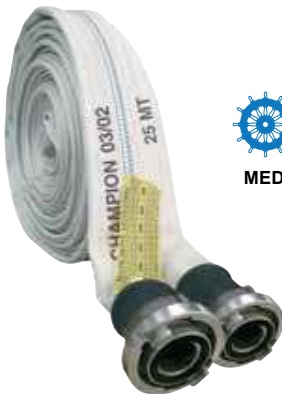
Fire hose MED SOLAS Manichette, porta manichette RINA MED SOLAS HOSE HOLDER 25/45/52mm. MARINE SHINE, STAINLESS STEEL

suitable also, 1 1/2" (38 mm), 2" (52 mm), 2 1/2" (63 mm), with couplings Storz, BSS, NST.

Polyester high resistance, internally coated with, Thoni quality, superb in the market appreciated by 30 years. Anti aging, anti mould.

mm 45

57224 mt 20



mm 70

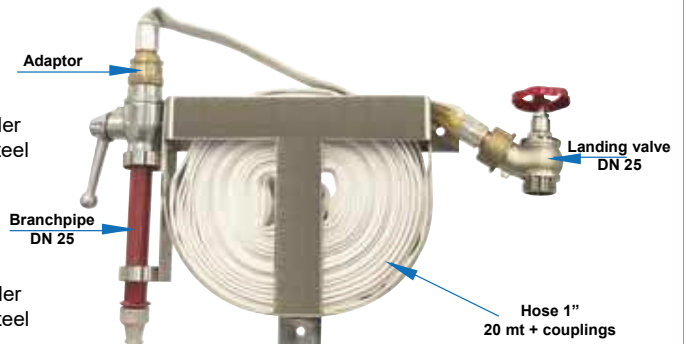
57227 mt 20



MED

50002 Marine hose holder shine stainless steel Ø 45 mm.

50003 Marine hose holder shine stainless steel Ø 25 mm.



Other products Marina MED:

Fire extinguishers	Pag.	Foam equipments	Pag.
- Portable	30	- Foam portable applicator	121
- Trolleys	31		
- Easyfire - Firekill	32 - 33		
		Individual protection	
		- Fire suit Med	142
		- Helmet for naval Fireman	145
Equipments recharge			
- Compressor breathing apparatus	62 - 63		
Fire fightings equipments			
- Hose	68		
- Water branchpipe	71		
- Hose reel	74 - 76		

Water nozzle branchpipe Marina MED EN 15182

WATER CURTAIN, PROTECTS FIREMAN Additional ring, produce a protective water shield.

BSS INSTANTANEOUS
Shut off - full jet - spray jet
Strong aluminium in light alloy.

STORZ

Shut off
full jet
spray jet
Strong aluminium
in light alloy.

65 Lug 81

64126_4

2 1/2" - Ø 16 mm

64126_5

2 1/2" - Ø 19 mm

64227_2

2 1/2" - Ø 16 mm

64125_10

Nozzle 2 1/2"
High flow.
Brass made

64126_10

Nozzle 2"
High flow.
Brass made

64125 2" - Ø 12 mm

64125_1 2" - Ø 12 mm

64125_2 2" - Ø 12 mm

64126 DN 70 - Ø 16 mm

64126_1 2 1/2" - Ø 16 mm

64126_2 DN 70 - Ø 19 mm

64126_3 2 1/2" - Ø 19 mm

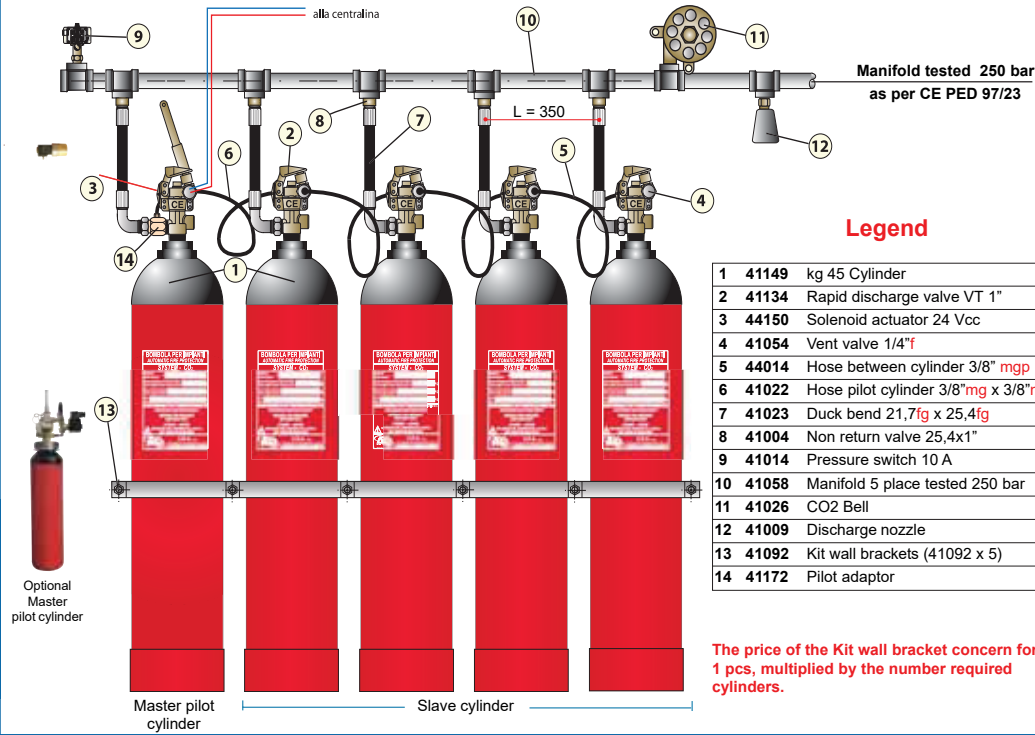


Technical data are subject to modification for improvements without prior notice

CO2 system with rapid discharge valve VT

VT valves CE marked, offer many advantages. Complete with pressure and manual actuator. They guarantee high flow, easy maintenance, leakage free.

System with 5 cylinder charged with 45 kg complete with VT1 valve

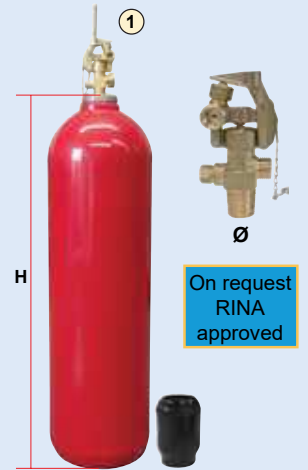


Legend

1	41149	kg 45 Cylinder
2	41134	Rapid discharge valve VT 1"
3	44150	Solenoid actuator 24 Vcc
4	41054	Vent valve 1/4" f
5	44014	Hose between cylinder 3/8" mgp
6	41022	Hose pilot cylinder 3/8" mg x 3/8" mg
7	41023	Duck bend 21,7fg x 25,4fg
8	41004	Non return valve 25,4x1"
9	41014	Pressure switch 10 A
10	41058	Manifold 5 place tested 250 bar
11	41026	CO2 Bell
12	41009	Discharge nozzle
13	41092	Kit wall brackets (41092 x 5)
14	41172	Pilot adaptor

The price of the Kit wall bracket concern for 1 pcs, multiplied by the number required cylinders.

Cylinder, charged with CO2 VT valve and cap



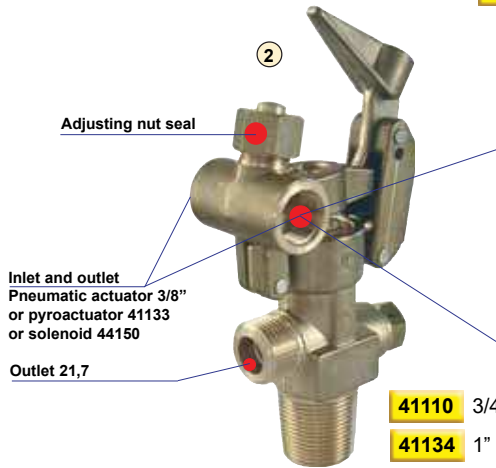
Cod.	kg	Lt	Ø	H
41148	30	40	1"	130
41149	45	67	1"	157
41171	54	80	1"	174

Rapid discharge valve type VT

Therapid discharge valve type VT are characterized by the absolute simplicity and offer numerous advantages respect the traditional rapid discharge valve type VFR (41128). The perfect seal is obtained by the adjustable lever. Also supplied with pneumatic actuator.

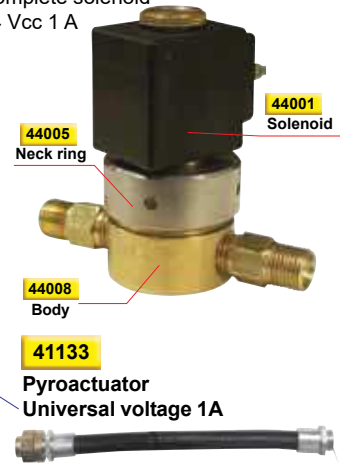
Simple and efficacious

- 1 Easy to recharge
- 2 Built-in pneumatic actuator (in and out).
- 3 The sealing pad resists dozens of actuation before being replaced and its cost is negligible.
- 4 Incorporates the pneumatic actuator.
- 5 For CO2, nitrogen and other gases.
- 6 W.P 250 bar and 300 bar for inert gases.
- 7 Safety pin prevents accidental discharge during maintenance.
- 8 After activation remain open open, and need manual reset.



Electric actuator

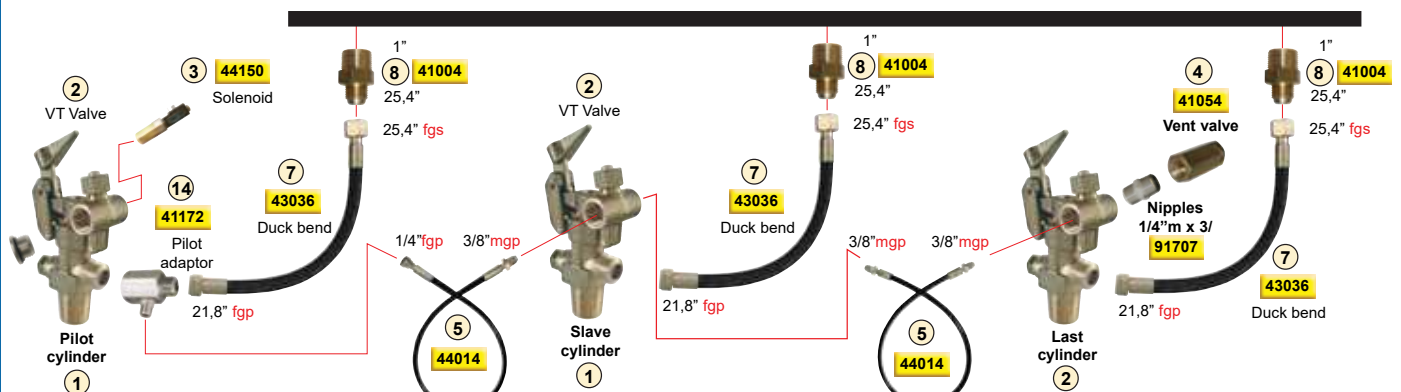
44150 Complete solenoid 24 Vcc 1 A



41110 3/4" npt

41134 1" npt

Accessories for VT CO2 manifold



f = female g = swivel k = at 90° o = seat ogive p = seat plane s = seat flared

CO2 system with traditional rapid discharge valve type VFR

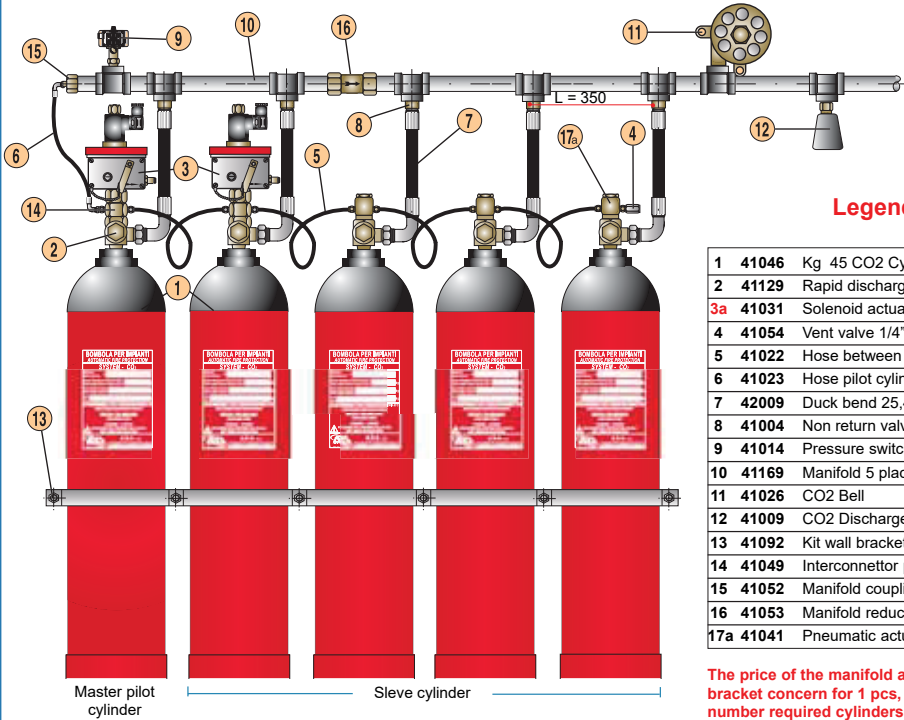
The extinguishing action of Carbon Dioxide (CO2) is:

- To suffocation by subtracting the oxygen in air;
- For intensive cooling caused by the rapid expansion of the gas.

It can be used on live electrical equipment. It is used to extinguishing fires of flammable liquids, eg. gasoline, oil, paint, alcohol, etc..

System with 5 cylinder charged with 45 kg complete with VFR valve

As actuator can be used a pilot cylinder cod 44010.

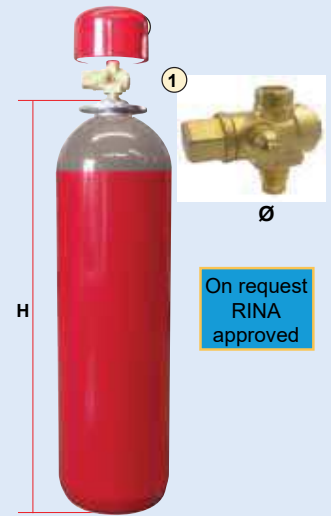


Legenda

1	41046	Kg 45 CO2 Cylinder
2	41129	Rapid discharge valve VFR 1"
3a	41031	Solenoid actuator 3 44150
4	41054	Vent valve 1/4"
5	41022	Hose between cylinder
6	41023	Hose pilot cylinder 1/4"fg
7	42009	Duck bend 25,4fg
8	41004	Non return valve 25,4 x 1"m
9	41014	Pressure switch CO2
10	41169	Manifold 5 places
11	41026	CO2 Bell
12	41009	CO2 Discharge horn 1/4"
13	41092	Kit wall brackets (41092 x 5)
14	41049	Interconnettor pilot cylinder
15	41052	Manifold coupling 1" x 1/4"
16	41053	Manifold reduction flow
17a	41041	Pneumatic actuator

The price of the manifold and for the Kit wall bracket concern for 1 pcs, multiplied by the number required cylinders.

Cylinder, charged with CO2 VFR valve and cap



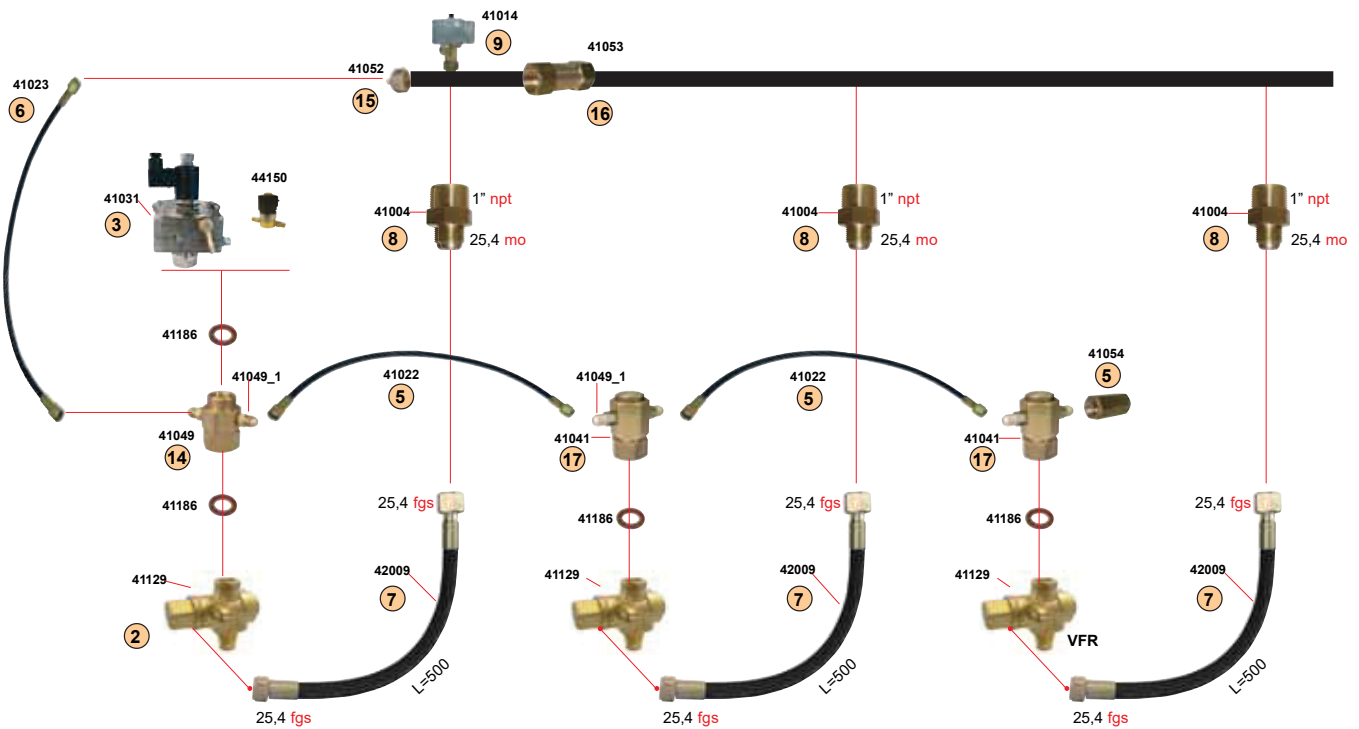
On request
RINA
approved

Cod.	kg	Lt	Ø	H
41044	20	27	3/4"	110
41045	30	40	1"	130
41046	45	67	1"	157
41173	54	80	1"	175

With the implementation of European legislation PED 97/23, manifolds must be tested and certified. All equipment shall be subjected to hydraulic test pressure and the manifold must be marked with a CE label with all their data and issued a

certificate from the manufacturer. ABS made manifolds according to the laws and shall issue the necessary certification. We provide piping and nozzle calculation with a specific computer software according to EN / NFPA.

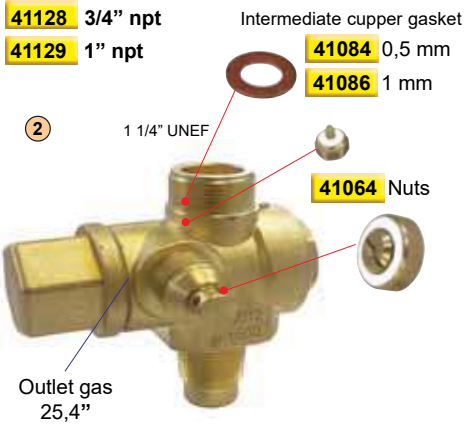
Accessories for VFR CO2 manifold



f = feale g = swivel k = at 90° o = ogive seat s = flaret seat

Technical data are subject to modification for improvements without prior notice

VFR CO2 Rapid discharge valve



VFR Nitrogen valve



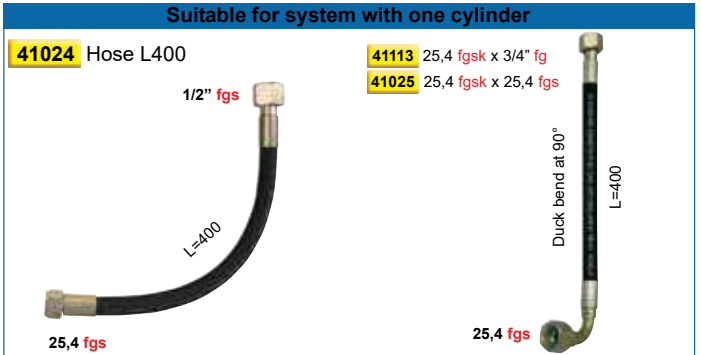
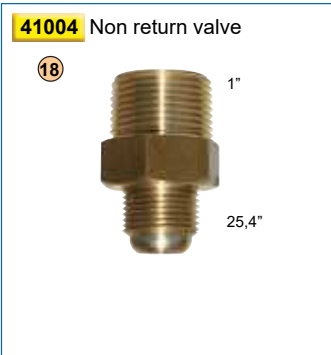
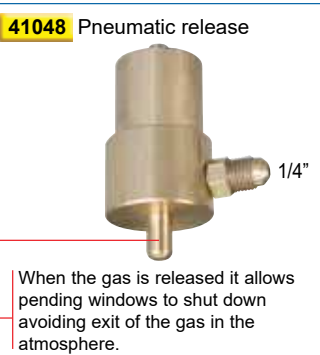
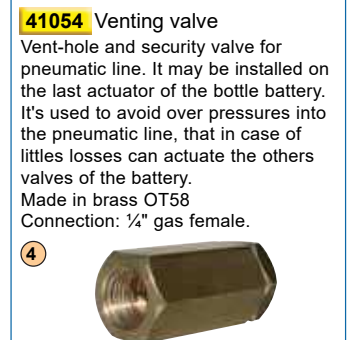
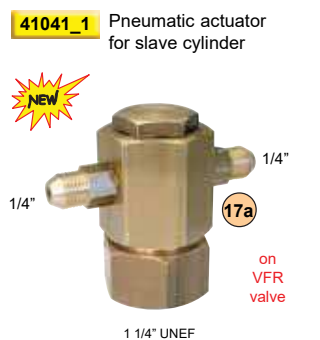
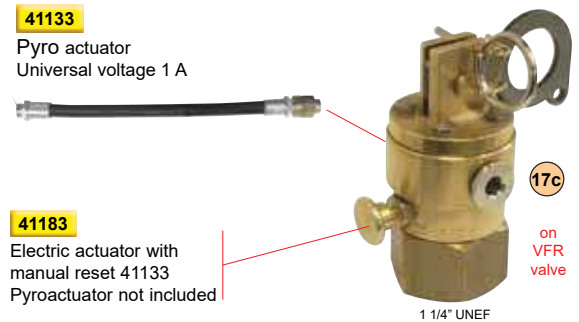
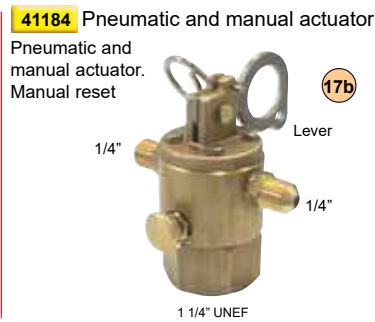
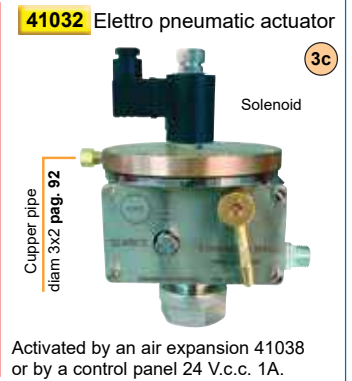
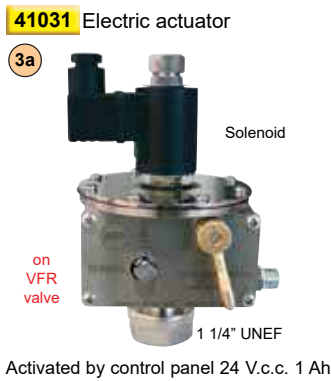
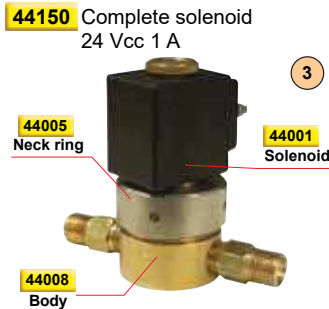
Retarding valve

Is used to delay the discharge of the SYSTEM and is used primarily for boats. It is request compulsory from RINA. Once the system is activated delays the discharge for 1 minute enabling persons to abandon the area before CO2 gas flooding.



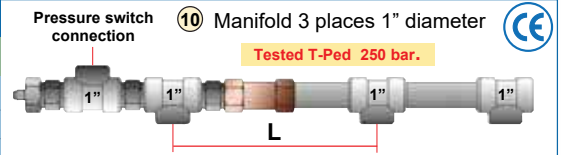
Actuator for rapid discharge valve type VFR

Actuator are used to active rapid discharge valve type VFR. Can be automatic, electric manual or mechanical.



CO2 Manifold preassembled complete with accessories

Cod.	diam.	L=mm	n° cylinder	Cod.	diam.	L=mm	n° cylinder
41055	1"	350	2	41058	1 1/2"	350	5
41056	1"	350	3	41059	1 1/2"	350	6
41057	1"	350	4	41170	2"	350	8



H.P Pipe for threaded manifold

Threaded at both sides.
Suitable for cylinder diam. 227 or diam 273 mm.
Gas CO2 / HFC.

Cod.	diam.	L=mm	n° max cylind.
41060	1"	300	4
41063	1 1/2"	300	8
41112	2"	300	12



Also available length of 6 mt.

Tee forged steel coupling



Suitable for CO2 or HFC systems

Cod.	Description
41062	1 1/2" x 1" x 1 1/2"
41051	1"
41071	2" x 1" x 2"
44049	1 1/4" x 1 1/4" x 1 1/4"
44028	1 1/4" x 1" x 1 1/4"

41009 Discharge horn 1/4"

41010 Discharge horn 1/2"



Discharge CO2 horn, made of aluminium, nozzle with hole determined by a computerized calculation.

41026 Pneumatic bell



3/8"

The CO2 bell is powered only with the flow of CO2 gas when system is activated.
Do not need electrical energy.

Pneumatic pressure switch

41014 1 contact 10 A

41018 2 contacts 10 A



Activated by the pressure of the CO2 gas.
Can be used in all type of systems.
It switch off electricity, stop fans, shut doors, remote alarms etc..

41039 Scale for cylinder

Is mounted below each cylinder for added security. In case of loss of CO2 gas weight, the switch sends a signal to the control panel for an audible or visual alarm, if loss weight is more than 10%.



Protection cap for valve

Cod.	Description
21017	Tulip for handwheel valve, or VT.
21017_1	Tulip for handwheel valve, or VT.
41027	Neck ring + aluminium cap.
41065	Steel for handwheel valve
44086	Steel for VT valves VT



41220 CO2 Mechanical weighing scale



CO2 Mechanical weighing scale counterbalance system. The switch send an alarm to control panel if loss weight is more than 10%.
Specify if for VT or for VFR valve.

Pneumatic odorizer

Due to the fact that CO2 is a colorless and odorless gas, the fragrance released the odorized allows people to detect the presence of gas in the room in case of discharge.



44200 Pneumatic odorizer 1/2"

CO2 empty cylinder

Cod.	Lt	Kg	Ø	Inlet
21329	27	20	203	3/4"
21341	40	30	227	3/4"
21342	40	30	203	3/4"
20146	67	45	273	1"
20147	60	45	229	1"



Empty cylinder RINA

Cod.	Lt	Kg	Inlet
20109	3	2	3/4"
21210	7,5	5	3/4"
20101	14	10	3/4"
21328	27	20	3/4"
21340	40	30	3/4"



Nitrogen cylinder

Cod.	Lt	Ø	Inlet
20102	2	110	3/4"
20108	3	110	3/4"
20107	7,5	140	3/4"
20114	14	170	3/4"
20127	27	203	3/4"
20140	40	227	3/4"



Charged cylinder with VFR valve

Cod.	kg	lt	inlet	H
41043	10	14	3/4"	83
41044	20	27	3/4"	110
41045	30	40	1"	130
41046	45	67	1"	157
41143	45	60	1"	180



Charged cylinder with VT valve

Cod.	kg	lt	inlet	H
41148	30	40	1"	130
41149	45	67	1"	157



Charged cylinder with handweel valve

Cod.	Lt	Kg	inlet
41119	14	10	3/4"
41066	27	20	3/4"
41067	40	30	3/4"
41118	67	45	1"



Technical data are subject to modification for improvements without prior notice

CO2 system with air expansion detector

This model allow to install a completely automatic system without energy source, electric power, neither of batteries. The operation is based on the physical principle when the temperature increase, the pressure inside expands (41038) and create a small pressure activating the pneumatic detector (41030)
 The 41037 capillary pipe diam 3x2 transmit the pressure of the air chamber to the pneumatic detector (41030).
 Installed to ceiling, if the temperature increase rapidly in terms of rate of rise detectors, the pressure is sufficient to activate the discharge. If the tetemperature rise slowly then the pneumatic actuator has a vent valve to avoid accidental discharge.

41038 Air expansion detector



The heat of the fire, warms the air that is expanded increasing the pressure transmitted with a thin capillary copper tube to the pneumatic control, (41030). It does not need no energy.

41030 Pneumatic actuator



Receives the signal from the expansion detector (41038) and activates the pilot cylinder.

41037 Copper pipe 3 x 2 mm



Connect the expansion detector between them to the pneumatic actuator (41030).

Adaptors for copper pipe 3x2 mm pipe and air expansion detector

41034



End connector for copper pipe thread M6x0.75

41033



Nipple threaded for copper pipe thread M6x0.75

41035



3 inlet for copper pipe thread M6x0.75

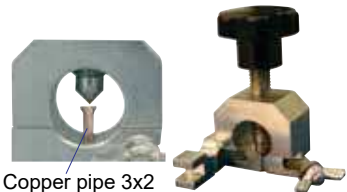
41036



4 inlet for copper pipe thread M6x0.75

41040 Copper pipe flaring device

Designed to create a correct flaring of the copper pipe 3x2 to join perfectly the adaptors threaded M 6x0,75.



41047 Corner pulley

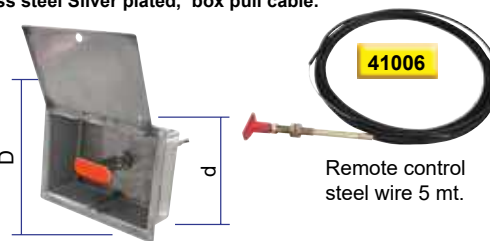


It is used to turn the steel wire used with manual remote control. Angle adjustable 45° up to 160°.

Accessories for remote actuator

23022_2 Stainless steel Silver plated, box pull cable.

These unit may hold the pull lever of the remote cable to activate manually, without electrical energy the systems Easyfire or the Firekill, or CO2 actuators.



Remote control steel wire 5 mt.

4

Wall brackets for multiple cylinders

41092 KIT for 1 cylinder. The code is for 1 cylinder. Multiply the price for multiple cylinder.

The profile shaped "U" with the groove allows to fix on the wall rapidly and with ease. The nut with the washer runs inside the groove allowing precise positioning of the cylinder.

Wall bracket kit is complete with:

Threaded rod

Nut with the washer

Profile shaped "U"

Available on size lenght max 3 mt

14



Wall brackets for single cylinder

Cod.	Description	
43071	x 3 lt	110 mm
43004	x 14 lt	170 mm
43004_1	x 14 lt	154 mm
43005	x 40 lt	203 mm
43003	x 27-40-60 lt	227 mm
43008	x 67 lt	273 mm
43007	x 27/40 lt	203 mm
43006	x 80/125 lt	360 mm



Use to fix a single cylinder on the wall.

For a system with more than 1 cylinder use the kit 41092

CO2 Selector valve

Selector valve



24 Vcc
0.1 Ah

Available 3", 4" e 6"

Operating pressure : 300 bar

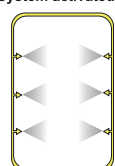


Cod.	Diameter
44018	2"
44021	1 1/2"
44022	1 1/4"

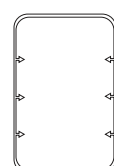
Cod.	Diameter
41073	1"
41074	1 1/2"
41075	2"
41076	2 1/2"

Typical system with selector valve

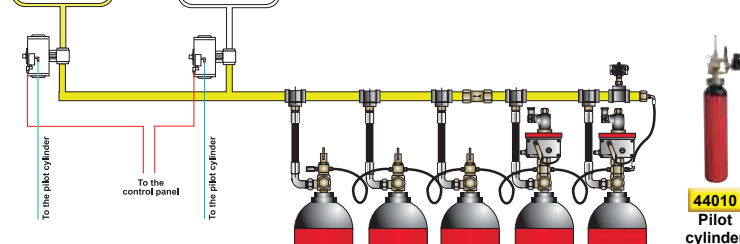
Area 2 System activated



Area 1



The selector valves are used with a centralized system for extinguishing more zones alternately. Activated at 24 VDC sent from the control and gas pressure cylinder pilot 44010.



44010 Pilot cylinder