
LPCB Red Book



1

Part: 2

Manual fire extinguishing equipment

bre

Foreword by the United Arab Emirates (UAE) Acting Commander in Chief, Major General Rashid Thani Al Matrooshi

As the dynamic environment in our Region progresses, we the UAE Civil Defence Authority, has set forth a number of strategic goals for the delivery of public safety. Our strategic goals observe both the national and Ministry of Interior's strategic plan by;

“Providing an effective firefighting and emergency response system delivered by qualified and well trained people using the latest technologies to ensure lives and properties are safeguarded”

As a result, the UAE can be 'benchmarked' with other Countries that are witnessing a decline in fires and incidents when compared to the density of population. As an example, the number of fire incidents has been reduced by 39% in 2011 compared to 2010, with a marked reduction in small and medium fire incidents, together with a high percentage achievement of a 9 minute response time for first attendance at incidents.

“Providing excellent performance and support during disasters and crises”

Confirmation of performance and support are achieved during disasters and crisis situations. Civil Defence Departments conduct a range of joint fire safety and evacuation drills in association with other safety agencies for both the public and private sectors. Evacuation drills carried out in Dubai during 2011 was estimated at 356 drills, which targeted 178,530 persons. Customer satisfaction percentage achieved was 97.2%. The number of drills carried out has increased by 142.4% compared to the target number set out in our annual plan.

“Spreading a fire safety and awareness culture across the community “

In this regard, a National Safety campaign was launched targeting 'domestic safety' with an achieved target of 50% of homes in UAE being visited during a six month period. This was aimed at preventive awareness and removing violations which threaten public safety. During the campaign, 206,490 houses (61.4% of the total dwellings) were visited, again with a marked customer satisfaction percentage of 92%.

Similarly a National Safety campaign was also executed at industrial areas, with teams visiting industrial facilities at different industrial areas across the country. 31,647 facilities were inspected. The teams also managed to correct violation situations in 13,400 facilities and 53,426 people were trained in the basic skills of firefighting and awareness.

“Equipping operations with the best and appropriate equipment and technologies”

The latest state of the art technologies have been introduced for various services such as, 'e-engineering' for online drawing approval and the '24 x 7 smart system' for building electronic monitoring and protection. Currently 61.7% of buildings are connected to the system and 95.7% surveyed for connection.

In addition, the 'UAE Fire and Life Safety Code of Practice' with our Standard Operating Procedures (SOPs) is considered a first in the region. This will contribute to reduced costs and effort. Ultimately this will result in a decrease in accidents and improve command and control mechanisms.

“Achieving Strategic Partnership with Public/Private and Voluntary Organizations”

By ensuring, through careful selection, that products, systems and installers are approved with a listing by Civil Defence, following rigorous third party certification. This ensures that locally we receive the best performance of fire safety products, systems and technologies.

LPCB is widely recognised as an independent reference for all fire and security safety experts. Their testing laboratories and approvals services together with their leading team of highly qualified expert scientists and engineers, guides us all impeccably towards a qualified framework.



Major General Rashid Thani Al Matrooshi

Introduction

BRE Global Ltd, based in the UK near London, is an independent third party organisation offering certification of fire, security and sustainability products and services to an international market. LPCB is the certification brand used for fire and security products and services. The LPCB mark is accepted worldwide. We have representative offices in China, India and Dubai. We are owned by the BRE Trust, a not-for-profit organisation.

LPCB listings can be accessed, free of charge, at www.redbooklive.com or via apps from Apple, Google and Windows.

BRE Global Ltd is also a Notified Certification Body and Notified Test Laboratory for:-

- Construction Products Regulation
- Pressure Equipment Directive
- Marine Equipment Directive
- Transport Pressure Equipment Directive

BRE Global additionally carries out:

- Fire Investigation
- Fire Risk Assessment
- Fire Safety Engineering
- Research
- Training

LPCB Listings

Listings are given in sections which list related groups of products and services such as suppression, security and so on. Each section also summarises the technical basis for the certification of each product or service. The Red Book listings should always be used in conjunction with rules, regulations and design specifications required by the relevant Authority having jurisdiction.

Listings comprise:

Volume 1: (This Volume)

- **Fire detection and alarm products, systems, and cables**
- **Manual fire extinguishing equipment**
- **Automatic sprinkler, water spray and deluge systems**
- **Fixed fire fighting products and systems**
- **Watermist systems**
- **Related installers**

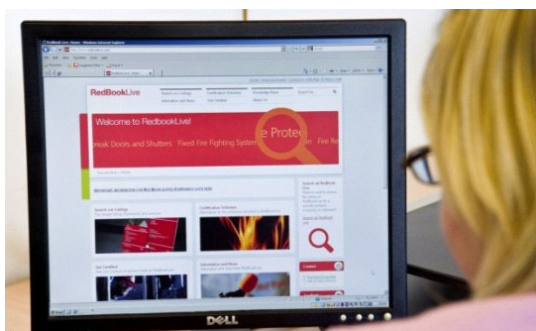
Volume 2:

- Passive fire protection products
- Security protection products
- Fire doors and shutters
- Smoke and fire ventilation systems
- Security Assessments - SABRE
- Related installers
- Management Systems
- Construction products

Listings are given in the name of the manufacturer or service provider, in alphabetical order. They can be downloaded free of charge from our website at www.redbooklive.com and also via an App that is available free from Apple iStore (for iPhone and iPad), from Google Play, (for Android phones and tablets) and Windows Store (for Windows 8 phones).

Updates

Certification of products and services are updated regularly. To ensure that you are using the most up to date information please refer to www.redbooklive.com or download from the App from the website home page.



What is Third Party Certification?

A frequent concern of stakeholders is in knowing whether a product will perform in accordance with the stated specifications. These concerns can involve such product attributes as safety, health or environmental impacts, durability, compatibility, suitability for intended purposes or for stated conditions, and other similar considerations. These issues can all be addressed through product certification.

Third party certification is a conformity assessment process, carried out by a body that is independent of both supplier and customer organisations. It provides confirmation that products and services have met and will continue to meet the requirements of specified standards and other normative documents.

LPCB third party product certification schemes are quality assurance schemes and comprise initial type testing and technical evaluation, assessment and surveillance of the manufacturer's quality system and factory production procedures, regular audit testing, labelling and listing.

Similarly, LPCB schemes for suppliers of services (installers) are also quality assurance schemes comprising a technical assessment of an installer's capability, assessment and surveillance of the installer's quality system and production procedures, regular inspection of completed installations and listing.

Benefits of Third Party Certification

For specifiers, regulators, insurers, manufacturers and installers, the benefits of an LPCB approval are:

For specifiers and regulators:

- Risk reduction - specifying LPCB approved products and services demonstrates due-diligence and best endeavour and mitigates against possible accusations of negligence.
- Avoidance of costly mistakes - you can trust LPCB approved products and services to conform each and every time.
- Time - using Red Book Live to search for and assess products and services can save you time.

For manufacturers and installers:

- Increased global sales - LPCB approval is recognised and specified widely throughout the world. In some territories LPCB approval is a mandatory requirement.
- Added value of the product or service - LPCB approved products and services are recognised as providing added value given their ability to conform each and every time.
- Reduced liability - LPCB approved products and services demonstrate due-diligence which can reduce liability for both you and your customers.

What does LPCB Certification offer?

LPCB certification is carried out against Loss Prevention Standards (LPS's). These LPS's include reference to BS, EN or ISO standards as appropriate. LPCB certification are level 5 schemes as detailed in ISO/ IEC 17067 with the added requirement to have a quality system certificated to ISO 9001.

The technical requirements of LPCB schemes are given in the Loss Prevention Standards (LPSs). These documents are drafted by LPCB technical experts in conjunction with appropriate external experts. They are then peer reviewed by representatives from trade bodies, regulators, insurers, specifiers, manufacturers and other suppliers. Finally these documents are approved for use by the BRE Global Governing Body; the Body that oversees all of the certification activities of BRE Global.

Product schemes comprise:

- Initial type testing and evaluation of product.
- Approval and surveillance of the manufacturer's (or supplier's) quality management system to ISO 9001
- Assessment and surveillance of the manufacturer's (or supplier) factory production control system (FPC).
- Periodic audit testing of the product from either the factory or marketplace.
- Labelling or marking as appropriate.
- Listing on Red Book Live

Installer schemes comprise:

- Technical assessment of the installation contractor's capability.
- Approval and surveillance of the contractor's quality management system to ISO 9001 or assessment against the requirements of the relevant Loss Prevention Standard where ISO 9001 is not appropriate.
- Regular surveillance inspections of on-going installations.
- The issue of Certificates of Conformity by the installer to demonstrate compliance for each installation.
- Listing in the Red Book.

The LPCB Mark - the Mark you can trust

After certification of a product or service the manufacturer or service provider may place the LPCB certification mark, as shown below, on the product, packaging and literature etc.



Where LPCB holds accreditation through the United Kingdom Accreditation Service (UKAS), the certified company may include the UKAS symbol (the Crown and Tick) alongside the LPCB mark for certain applications e.g. promotional literature or material and stationery, as shown below.



(Full details of LPCB accreditation can be found on the UKAS website at www.ukas.com)

Where for reasons of space or cost the use of the above full mark is not practical, then the following simplified mark may be applied directly to the product (for some schemes only). The LPCB scheme rules define how and where the marks can be used.



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Part

2

MANUAL FIRE EXTINGUISHING EQUIPMENT

PART 2: MANUAL FIRE EXTINGUISHING EQUIPMENT

INTRODUCTION

Listings in this section include:

Products

- Portable fire extinguishers
- Hose reels
- Blankets
- Hydrant systems
- Wet landing valves
- Dry landing valves
- Inlet breechings
- Semi rigid hoses
- Lay flat hoses
- Boxes for dry riser inlets
- Pillar fire hydrants
- Mobile fire extinguishers

Products are approved in accordance with various standards. The details of these standards are given at the front of each section relevant to the product.

Contractors

- Portable fire extinguisher service and maintenance contractors

Contractors are approved in accordance with BS 5306. Further details are given in section 2.

Portable fire extinguishers are manufactured to suit different types of fires and should be selected, sited, serviced and maintained in accordance with the relevant code of practice. Third party approval of the portable fire extinguisher will help to ensure that they will function correctly if properly maintained, it will also demonstrate due diligence in supporting risk assessed based legislation.

LPCB approval helps to ensure that fire extinguishers meet and continue to meet appropriate standards. LPCB approval includes testing of the individual component parts of the fire extinguisher, pressure safety of the vessel, correct labelling and operation instructions and the satisfactory performance of the extinguisher when tested to the relevant fire test. These elements are continuously monitored during regular factory production control (fpc) surveillance audits.

CE marking may be found on a portable fire extinguisher as required by the European Union - Pressure Equipment Directive (PED) but should not be confused with LPCB approval. This directive has been published for products that are to be sold within the European Union (EU) and it requires proof of safety of the pressure vessel. The CE mark placed on a fire extinguisher demonstrates conformance with this pressure safety requirement and fire testing is not carried out as part of this directive.

Caution: To be sure of reliable, proven, performance of the fire extinguisher in fire conditions, the extinguisher should carry independent proof of performance, such as the LPCB mark, and if it is to be supplied into the EU the additional CE mark will also be required as defined by the PED.

Generally the test standards used by the LPCB for certification of portable fire extinguishers are:

EN 3 - Part 7 + A1:2007 - <i>Characteristics, performance requirements and test methods</i>
EN 3 - Part 8 - <i>Additional requirements to EN 3-7 for the construction, resistance to pressure and mechanical tests for extinguishers with a maximum allowable pressure equal to or lower than 30 bar</i>
EN 3 - Part 9 - <i>Additional requirements to EN 3-7 for pressure resistance of CO₂ extinguishers</i>
EN 3 - Part 10 - <i>Provisions for evaluating the conformity of a portable fire extinguisher to EN 3-7</i>
BS 7867 - <i>Specification for portable fire extinguishers for use in aircraft</i>
BS 6165 : <i>Specification for small disposable fire extinguishers of the aerosol type</i>

Notes re changes to standards:

EN 3 Parts 1, 2, 4 and 5 were replaced by the publication of EN 3 - 7:2004 + A1:2007. - *Characteristics, performance requirements and test methods.*
 EN 3 Part 3 was replaced by publication of EN 3 Parts 8 and 9.
 EN 3 Part 6 was replaced by publication of EN 3 Part 10
 BS 7937 - Specification for portable fire extinguishers for use on cooking oil fires (class F) was replaced by publication of EN 3-7:2004 + A1:2007.

Abbreviations used for LPCB listing of portable fire extinguishers

LPCB use the following abbreviations in the Red Book listings for portable fire extinguishers.

Extinguishing Agent	
W - Water	WB - Water based (water plus additive)
ABC or BC - Dry Powder	CO ₂ - Carbon Dioxide
CA - Clean Agent	WC - Wet Chemical
Method of Actuation	
SP - Stored pressure actuation	GC - Gas cartridge actuation
Units or "Capacity"	
kg - kilogram	l - litre

PART 2: SECTION 1

PORTABLE FIRE EXTINGUISHERS

Labelling

A requirement of EN 3 is that each portable fire extinguisher must be clearly labelled to identify the classes of fire for which they have demonstrated satisfactory performance as defined in EN 3. In summary:

Class A :	for use on flammable solid materials, for example wood, paper, coal, straw, cloth etc.
Class B :	for use on fires involving flammable liquids or liquefiable solids.
Class C :	for fires involving gases.
Class D :	for fires involving metals for example magnesium, sodium, cadmium, manganese.
Class F :	for use on cooking oil fires.

Colour Coding

EN 3-Part 7 permits a zone of colour of up to 10% of the external area of the extinguisher body to be used to identify the extinguishing agent in accordance with national specifications.

Colour coding of portable fire extinguishers is not mandatory in the UK, however BS 7863: *Recommendations for Colour coding to indicate the extinguishing medium contained in portable fire extinguishers*, was published to provide a consistent approach where colour coding is used.

CE MARKING

As described earlier CE Marking should be affixed to portable fire extinguishers under the Pressure Equipment Directive (PED). The CE Mark (in this instance) indicates that the fire extinguisher meets certain pressure safety requirements and has been assessed by a Notified Body (such as LPCB). Please see cautionary information at the start of this section.

Marine Equipment Directive

The Marine Equipment Directive (MED) was adopted into UK Law and became mandatory on the 5 August 1999. The MED covers any ship (or lifeboat) flying a flag of an EEA member state. The MED covers a vast array of equipment, covering all aspects of a ship's safety, including portable fire extinguishers. Conformity assessment is through a Notified Body, such as LPCB, and the compliance mark is the Wheel-mark.

Associated Enterprises (S) Pte Ltd.

Block 28, Sin Ming Drive, #01-173 575702, Singapore

Tel: +65-64550555 • Fax: +65-64550505

E-mail: enquiry@aespl.com.sg • Website: www.aespl.com.sg

Certificate No: 1092Aa to EN3 Parts 7,8 and 9

Product Name	Type	Capacity	Fire rating	LPCB Ref. No.
PRO-2-CD-AL	CO ₂	2 kg	34B	1092Aa/30
PRO-2-CD	CO ₂	2 kg	34B	1092Aa/31
PRO-5-CD-AL	CO ₂	5 kg	70B	1092Aa/32
PRO-5-CD	CO ₂	5 kg	70B	1092Aa/33
PRO-2-FOAM	Foam (SP)	2 litre	8A/55B	1092Aa/14
PRO-6-FOAM	Foam (SP)	6 litre	21A/144B	1092Aa/17
PRO-9-FOAM	Foam (SP)	9 litre	27A/233B	1092Aa/19
PRO-1-DC	ABC Powder (SP)	1 kg	8A/34B	1092Aa/01
PRO-2-DC	ABC Powder (SP)	2 kg	13A/89B	1092Aa/05
PRO-3-DC	ABC Powder (SP)	3 kg	21A/113B	1093Aa/07
PRO-4-DC	ABC Powder (SP)	4 kg	27A/144B	1092Aa/08
PRO-6-DC	ABC Powder (SP)	6 kg	43A/233B	1092Aa/09
PRO-9-DC	ABC Powder (SP)	9 kg	55A/233B	1092Aa/11
PRO-12-DC	ABC Powder (SP)	12 kg	55A/233B	1092Aa/12
PRO-6-W	Water (SP)	6 litre	13A	1092Aa/24
PRO-9-W	Water (SP)	9 litre	21A	1092Aa/25
PRO-2-WC	Wet Chemical (SP)	2 litre	8A/34B/25F	1092Aa/21
PRO-3-WC	Wet Chemical (SP)	3 litre	13A/70B/40F	1092Aa/22
PRO-6-WC	Wet Chemical (SP)	6 litre	21A/113B/75F	1092Aa/23

Britannia Fire Ltd.

Ashwellthorpe Industrial Estate, Ashwellthorpe, Norwich, Norfolk NR16 1ER, United Kingdom

Tel: +44 (0)1508 488416 • Fax: +44 (0)1508 481753

E-mail: sales@britannia-fire.co.uk • Website: www.britannia-fire.co.uk

Certificate No: 1193a to EN3 part 7

Product Name	Type	Capacity	Fire Rating	LPCB Ref. No.
P50F	Foam (SP)	6 litre	27A/183B	1193a/01
P50P	ABC Powder (SP)	6 kg	34A/183B	1193a/02

Ceasefire Industries Ltd

2nd Floor, Plot No. 4, Sector-135, Noida, Uttar Pradesh 201301, India

Tel: +91 120 4255800 • Fax: +91 120 4255801

E-mail: amit@ceasefire.in • Website: www.ceasefire.in

Certificate No: 1329b to EN 3-7:2004+A1:2007 & EN 3-8:2006

Portable Fire Extinguishers

Product Name	Type	Capacity	Fire Rating	LPCB Ref. No.
CF-000706	Clean Agent (SP)	4 kg	34B	1329b/07
CF-000707	Clean Agent (SP)	6 kg	34B	1329b/08
CF-000779	Foam (SP)	3 litre	8A / 89B	1329b/09
CF-000805	Foam (SP)	3 litre	8A / 89B	1329b/10
CF-000715	Foam (SP)	6 litre	13A / 144B	1329b/11
CF-000806	Foam (SP)	6 litre	13A / 144B	1329b/12
CF-000716	Foam (SP)	9 litre	21A / 233B	1329b/13
CF-000807	Foam (SP)	9 litre	21A / 233B	1329b/14
CF-000838	Foam Mist (SP)	2 litre	5A / 34B / 25F	1329b/15
CF-000696	Foam Mist (SP)	2 litre	5A / 55B / 25F	1329b/16
CF-000839	Foam Mist (SP)	6 litre	13A / 113B / 40F	1329b/17
CF-000698	Foam Mist (SP)	6 litre	13A / 144B / 40F	1329b/18
CF-000732	ABC 50 Powder (SP)	4 kg	21A / 144B	1329b/19
CF-000733	ABC 50 Powder (SP)	6 kg	27A / 183B	1329b/20
CF-000734	ABC 50 Powder (SP)	9 kg	43A / 233B	1329b/21
CF-000722	ABC 90 Powder (SP)	2 kg	13A / 55B	1329b/01
CF-000723	ABC 90 Powder (SP)	4 kg	21A / 144B	1329b/02
CF-000724	ABC 90 Powder (SP)	6 kg	27A / 183B	1329b/03
CF-000725	ABC 90 Powder (SP)	9 kg	43A / 233B	1329b/04
CF-000737	BC Powder (SP)	4 kg	233B	1329b/05
CF-000738	BC Powder (SP)	6 kg	233B	1329b/06
CF-000717	Water (SP)	6 litre	13A	1329b/22
CF-000798	Water (SP)	6 litre	13A	1329b/23
CF-000718	Water (SP)	9 litre	21A	1329b/24
CF-000709	Water Mist (SP)	2 litre	5A / 25F	1329b/25
CF-000710	Water Mist (SP)	3 litre	8A / 25F	1329b/26
CF-000711	Water Mist (SP)	6 litre	13A / 75F	1329b/27
CF-000712	Water Mist (SP)	9 litre	21A / 75F	1329b/28
CF-000780	Wet Chemical (SP)	3 litre	8A / 40F	1329b/29
CF-000719	Wet Chemical (SP)	6 litre	13A / 75F	1329b/30
CF-000720	Wet Chemical (SP)	9 litre	21A / 75F	1329b/31

PART 2: SECTION 1

PORTABLE FIRE EXTINGUISHERS

COFFCO

PO Box 5, Pincode - 678002, India

Tel: +914912908940 • Fax: +914912554695

E-mail: coffco@eth.net • Website: www.coffcofire.com

Certificate No: 1092Ha to EN 3 parts 7, 8 & 9

COFFCO Portable Fire Extinguishers

Product Name	Type	Capacity	Fire Rating	LPCB Ref. No.
CFCOA2	CO ₂	2 kg	34B	1092Ha/30
CFCO2	CO ₂	2 kg	34B	1092Ha/31
CFCOA5	CO ₂	5 kg	70B	1092Ha/32
CFCO5	CO ₂	5 kg	70B	1092Ha/33
CFF2	Foam (SP)	2 litre	8A/55B	1092Ha/14
CFF3	Foam (SP)	3 litre	13A/89B	1092Ha/16
CFF6	Foam (SP)	6 litre	21A/144B	1092Ha/17
CFFR6	Foam (SP)	6 litre	27A/183B	1092Ha/18
CFF9	Foam (SP)	9 litre	27A/233B	1092Ha/19
CFDPE1	ABC Powder (SP)	1 kg	8A/34B	1092Ha/01
CFDPA1	ABC Powder (SP)	1 kg	8A/34B	1092Ha/02
CFDPD1	ABC Powder (SP)	1 kg	8A/34B	1092Ha/03
CFDP1	ABC Powder (SP)	1 kg	8A/55B	1092Ha/04
CFDP2	ABC Powder (SP)	2 kg	13A/89B	1092Ha/05
CFDP3	ABC Powder (SP)	3 kg	21A/113B	1092Ha/07
CFDP4	ABC Powder (SP)	4 kg	27A/144B	1092Ha/08
CFDP6	ABC Powder (SP)	6 kg	43A/233B	1092Ha/09
CFDPRS6	ABC Powder (SP)	6 kg	55A/233B	1092Ha/10
CFDP9	ABC Powder (SP)	9 kg	55A/233B	1092Ha/11
CFDPD12	ABC Powder (SP)	12 kg	55A/233B	1092Ha/12
CFW6	Water (SP)	6 litre	13A	1092Ha/24
CFW9	Water (SP)	9 litre	21A	1092Ha/25
CFWA3	Water Additive (SP)	3 litre	13A	1092Ha/28
CFWA6	Water Additive (SP)	6 litre	27A	1092Ha/29
CFWC2	Wet Chemical (SP)	2 litre	8A/34B/25F	1092Ha/21
CFWC3	Wet Chemical (SP)	3 litre	13A/70B/40F	1092Ha/22
CFWC6	Wet Chemical (SP)	6 litre	21A/113B/75F	1092Ha/23

Emirates Fire Fighting Equipment Factory L.L.C. (FIREX)

P.O.Box 22436, Industrial Area 13, Sharjah, United Arab Emirates

Tel: +971 6 5340300 • Fax: +971 6 5340090

E-mail: firex@emirates.net.ae • Website: www.firexuae.com

Certificate No: 867Ba to EN3 Parts 7, 8 and 9

Portable Fire Extinguishers

Product Name	Type	Capacity	Fire rating	LPCB Ref. No.
FCD2	CO ₂	2 kg	34B	867Ba/10
FCD5	CO ₂	5 kg	89B	867Ba/11
FF6L	Foam (SP)	6 litre	21A / 183B	867Ba/12
F6EP	Foam (SP)	6 litre	34A / 183B	867Ba/20
FF9L	Foam (SP)	9 litre	27A/233B	867Ba/13
FDP1	ABC Powder (SP)	1 kg	8A/55B	867Ba/04
FDP2	ABC Powder (SP)	2 kg	13A/89B	867Ba/01
FF2P	ABC Powder (SP)	2 kg	13A / 89B	867Ba/15
FDP3	ABC Powder (SP)	3 kg	21A/144B	867Ba/05
FDP4	ABC Powder (SP)	4 kg	27A/233B	867Ba/07
FDP6	ABC Powder (SP)	6 kg	43A/233B	867Ba/02
FDP9	ABC Powder (SP)	9 kg	55A/233B	867Ba/08
FDP12	ABC Powder (SP)	12 kg	55A/233B	867Ba/03
FW6L	Water (SP)	6 litre	13A	867Ba/17
FW9L	Water (SP)	9 litre	21A	867Ba/09
FW6LP	Water Additive (SP)	6 litre	21A	867Ba/19

PART 2: SECTION 1

PORTABLE FIRE EXTINGUISHERS

Product Name	Type	Capacity	Fire rating	LPCB Ref. No.
WC6L	Wet Chemical (SP)	6 litre	21A / 113B / 75F	867Ba/16

Notes:

The above products are placed on the market under the following brand names: Aquaplus, Fire Bell, Fire Bird, Fire Tech, First, Guard, Joffco, Omega, Power, SOS International, Torando, Tri Star, Firex, Firex 1, Best, Safety First, Recom, Unix- UAE.

Falck Teknik

Meterbuen 14-16, Skovlunde 2740, Denmark

Tel: +45 44576175 • Fax: +45 44848998

E-mail: bokn@falck.dk • Website: www.falckteknik.dk

Certificate No: 867Ea to EN3 Parts 7, 8 and 9

Portable Fire Extinguishers

Product Name	Type	Capacity	Fire rating	LPCB Ref. No.
2557	CO ₂	2 kg	34B	867Ea/10
2558	CO ₂	5 kg	89B	867Ea/11
2593	Foam (SP)	6 litre	21A/183B	867Ea/12
2594	Foam (SP)	9 litre	27A/233B	867Ea/13
2600	ABC Powder (SP)	1 kg	8A/55B	867Ea/04
2581	ABC Powder (SP)	2 kg	13A/89B	867Ea/01
2583	ABC Powder (SP)	6 kg	43A/233B	867Ea/02
2585	ABC Powder (SP)	12 kg	55A/233B	867Ea/03
2601	Water (SP)	6 litre	13A	867Ea/17
2539	Water (SP)	9 litre	21A	867Ea/09
2575	Wet Chem (SP)	6 litre	21A/113B/75F	867Ea/16

Firekill LLP

14 Hanover Street, London W1S 1YH, United Kingdom

Tel: +44 (0)207 3170 663 • Fax: +44 (0)207 3170 610

E-mail: firekill@firekill.uk.com • Website: www.firekill.uk.com

Certificate No: 867Ha to EN3 Parts 7,8 and 9

FireKill Portable Fire Extinguishers

Product Name	Type	Capacity	Fire rating	LPCB Ref. No.
FK-C-5	CO ₂	5 kg	89B	867Ha/11
FK-P-6	ABC Powder (SP)	6 kg	43A/233B	867Ha/02
FK-P-9	ABC Powder (SP)	9 kg	55A/233B	867Ha/08
FK-W-9	Water (SP)	9 litre	21A	867Ha/09

Firemark Ltd.

BFF Business Park, Bath Road, Bridgwater, Somerset TA6 4NZ, United Kingdom

Tel: +44 (0)1278 727460

E-mail: sales@firemark-ltd.co.uk • Website: www.firemark-ltd.co.uk

Certificate No: 867Ca to EN 3 Parts 7, 8 and 9

Portable Fire Extinguishers

Product Name	Type	Capacity	Fire rating	LPCB Ref. No.
C2/1S	CO ₂	2 kg	34B	867Ca/10
C5/1S	CO ₂	5 kg	89B	867Ca/11

PART 2: SECTION 1

PORTABLE FIRE EXTINGUISHERS

Product Name	Type	Capacity	Fire rating	LPCB Ref. No.
F2/1	Foam (SP)	2 litre	8A / 55B	867Ca/21
F6/1	Foam (SP)	6 litre	21A/183B	867Ca/12
F6/2	Foam (SP)	6 litre	34A / 183B	867Ca/20
F9/1	Foam (SP)	9 litre	27A/233B	867Ca/13
P1/1	ABC Powder (SP)	1 kg	8A/55B	867Ca/04
P2/1	ABC Powder (SP)	2 kg	13A/89B	867Ca/01
P4/1	ABC Powder (SP)	4 kg	27A/233B	867Ca/07
P6/1	ABC Powder (SP)	6 kg	43A/233B	867Ca/02
P9/1	ABC Powder (SP)	9 kg	55A/233B	867Ca/08
W6/1	Water (SP)	6 litre	13A	867Ca/17
W9/1	Water (SP)	9 litre	21A	867Ca/09
WA6/2	Water Additive (SP)	6 litre	21A	867Ca/19
WC6/1	Wet Chemical (SP)	6 litre	21A/ 113B/ 75F	867Ca/16

Fullblaze Middle East

Zarqa Free Zone, New Expansionist Area, P.O.Box 922054, Amman 11192, Jordan

Tel: +962 6 489 3373 • Fax: +962 6 489 3372

E-mail: info@fullblaze-me.com • Website: www.fullblaze-me.com

Certificate No: 1092Ea to EN 3 parts 7, 8 & 9

Fullblaze Portable Fire Extinguishers

Product Name	Type	Capacity	Fire Rating	LPCB Ref. No.
FBCD2	CO ₂	2 kg	34B	1092Ea/31
FBCD5	CO ₂	5 kg	70B	1092Ea/33
FBFM3S	Foam (SP)	3 litre	13A/89B	1092Ea/16
FBFM6S	Foam (SP)	6 litre	21A/144B	1092Ea/17
FBFM9S	Foam (SP)	9 litre	27A/233B	1092Ea/19
FBPD1E	ABC Powder (SP)	1 kg	8A/34B	1092Ea/01
FBPD2S	ABC Powder (SP)	2 kg	13A/89B	1092Ea/05
FBPD3S	ABC Powder (SP)	3 kg	21A/113B	1092Ea/07
FBPD4S	ABC Powder (SP)	4 kg	27A/144B	1092Ea/08
FBPD6S	ABC Powder (SP)	6 kg	43A/233B	1092Ea/09
FBPD9S	ABC Powder (SP)	9 kg	55A/233B	1092Ea/11
FBPD12	ABC Powder (SP)	12 kg	55A/233B	1092Ea/12
FBWT6	Water (SP)	6 litre	13A	1092Ea/24
FBWT9	Water (SP)	9 litre	21A	1092Ea/25
FBWC3	Wet Chemical (SP)	3 litre	13A/70B/40F	1092Ea/22
FBWC6	Wet Chemical (SP)	6 litre	21A/113B/75F	1092Ea/23

Gulf Fire & Safety Equipment FZC

P.O. Box 50351, Rak Free Zone Industrial Park, Ras Al Khaimah, United Arab Emirates

Tel: +974 40296712 • Fax: +974 44685331

E-mail: info@gulffiresafety.com • Website: www.gulffiresafety.com

Certificate No: 1092Ga to EN 3 parts 7, 8 & 9

GFIRE Portable Fire Extinguishers

Product Name	Type	Capacity	Fire Rating	LPCB Ref. No.
GF-CD2A	CO ₂	2 kg	34B	1092Ga/30
GF-CD2	CO ₂	2 kg	34B	1092Ga/31
GF-CD5A	CO ₂	5 kg	70B	1092Ga/32
GF-CD5	CO ₂	5 kg	70B	1092Ga/33
GF-FM2S	Foam (SP)	2 litre	8A/55B	1092Ga/14
GF-FM3S	Foam (SP)	3 litre	13A/89B	1092Ga/16
GF-FM6S	Foam (SP)	6 litre	21A/144B	1092Ga/17
GF-FM6RS	Foam (SP)	6 litre	27A/183B	1092Ga/18
GF-FM9S	Foam (SP)	9 litre	27A/233B	1092Ga/19
GF-PD1E	ABC Powder (SP)	1 kg	8A/34B	1092Ga/01
GF-PD1A	ABC Powder (SP)	1 kg	8A/34B	1092Ga/02

PART 2: SECTION 1

PORTABLE FIRE EXTINGUISHERS

Product Name	Type	Capacity	Fire Rating	LPCB Ref. No.
GF-PD1	ABC Powder (SP)	1 kg	8A/34B	1092Ga/03
GF-PD1S	ABC Powder (SP)	1 kg	8A/55B	1092Ga/04
GF-PD2S	ABC Powder (SP)	2 kg	13A/89B	1092Ga/05
GF-PD3S	ABC Powder (SP)	3 kg	21A/113B	1092Ga/07
GF-PD4S	ABC Powder (SP)	4 kg	27A/144B	1092Ga/08
GF-PD6S	ABC Powder (SP)	6 kg	43A/233B	1092Ga/09
GF-PD6RS	ABC Powder (SP)	6 kg	55A/233B	1092Ga/10
GF-PD9S	ABC Powder (SP)	9 kg	55A/233B	1092Ga/11
GF-PD12	ABC Powder (SP)	12 kg	55A/233B	1092Ga/12
GF-WT6	Water (SP)	6 litre	13A	1092Ga/24
GF-WT9	Water (SP)	9 litre	21A	1092Ga/25
GF-WT3A	Water Additive (SP)	3 litre	13A	1092Ga/28
GF-WT6A	Water Additive (SP)	6 litre	27A	1092Ga/29
GF-WC2	Wet Chemical (SP)	2 litre	8A/34B/25F	1092Ga/21
GF-WC3	Wet Chemical (SP)	3 litre	13A/70B/40F	1092Ga/22
GF-WC6	Wet Chemical (SP)	6 litre	21A/113B/75F	1092Ga/23

Jactone Products Limited

Springvale Business Park, Springvale Avenue, Bilston, West Midlands WV14 0QL, United Kingdom
 Tel: +44 (0)1902 357777 • Fax: +44 (0)1902 357711
 E-mail: sales@jactone.com • Website: www.jactone.com

Certificate No: 783b to BS EN 3 Part 7

Portable Fire Extinguishers

Product Name	Type	Capacity	Fire rating	LPCB Ref. No.
EFS6 PLUS	Foam (SP)	6 litre	34A/183B	783b/01
EC2	CO ₂	2 kg	34B	783b/02
EC2F	CO ₂	2 kg	55B	783b/03
EC5	CO ₂	5 kg	70B	783b/04

Certificate No: 783a to BS EN 3 Parts 7 & 8

Portable Fire Extinguishers

Product Name	Type	Capacity	Fire Rating	LPCB Ref. No.
EWCS3	F Class (SP)	3 litre	8A/25F	783a/01
EWCS6	F Class (SP)	6 litre	13A/75F	783a/02

Jewel Sapphire Products Ltd

Denby Way, Hellaby Industrial Estate, Rotherham S66 8HR, United Kingdom
 Tel: 0845 33065406 • Fax: 0845 3305 5407
 E-mail: sales@jewelsapphire.co.uk • Website: http://www.jewelsapphire.co.uk

Certificate No: 1094b to Technical Approval based upon BS EN 3 Part 7

Portable Fire Extinguishers

Product Name	Type	Capacity	Fire Rating	LPCB Ref. No.
ESYS1L2LCEX	Water Mist	1 litre	5F	1094b/01

1 litre is not one of the specified nominal charges specified in EN3-7 clause 6.1 Nominal Charges

Certificate No: 1094a to BS EN 3 Part 7

Product Name	Type	Capacity	Fire rating	LPCB Ref. No.
ESYS3L6LCEX	Water mist	3 litre	8A/25F	1094a/01

PART 2: SECTION 1

PORTABLE FIRE EXTINGUISHERS

Product Name	Type	Capacity	Fire rating	LPCB Ref. No.
ESYS6L9LCEX	Water mist	6 litre	13A/75F	1094a/02

Lingjack Engineering Works PTE Ltd

No. 1 Woodlands Terrace, #03-01 Lingjack Industrial Building 738471, Singapore

Tel: +65 6759 4163 • Fax: +65 6758 7513

E-mail: combat@lingjack.com • Website: www.combat.com.sg

Certificate No: 501a to EN 3 Parts 7,8 and 9

Product Name	Type	Capacity	Fire Rating	LPCB Ref. No.
C-2CSEC (1)	Carbon dioxide	2 kg	34B	501a/14
C-5CSEC (1)	Carbon dioxide	5 kg	55B	501a/15
C-6FSE (1)	Foam	6 litre	8A/113B	501a/07
C-9FSE (1)	Foam	9 litre	13A/233B	501a/08
C-9FCE (1)	Foam (GC)	9 litre	34A/233B	501a/11
C-1ASE (1)	ABC Powder (SP)	1kg	5A/55B	501a/01
C-2ASE (1)	ABC Powder (SP)	2kg	13A/55B	501a/02
C-3ASE (1)	ABC Powder (SP)	3kg	13A/55B	501a/03
C-4ASE (1)	ABC Powder (SP)	4kg	21A/144B	501a/04
C-6ASE (1)	ABC Powder (SP)	6kg	34A/233B	501a/05
C-9ASE (1)	ABC Powder (SP)	9kg	43A/233B	501a/06
C-6ACE (1)	ABC Powder (GC)	6 kg	27A/233B	501a/16
C-9ACE (1)	ABC Powder (GC)	9 kg	43A/233B	501a/17
C-12ACE (1)	ABC Powder (GC)	12 kg	55A/233B	501a/18
C-6WSE (1)	Water (SP)	6 litre	8A	501a/09
C-9WSE (1)	Water (SP)	9 litre	13A	501a/10
C-9WSEA (1)	Water additive (SP)	9 litre	21A	501a/12
C-9WCEA (1)	Water additive (GC)	9 litre	21A	501a/13
Q-2CSEC (2)	Carbon dioxide	2 kg	34B	501a/14
Q-5CSEC (2)	Carbon dioxide	5 kg	55B	501a/15
Q-6SF (2)	Foam	6 litre	8A/113B	501a/07
Q-9SF (2)	Foam	9 litre	13A/183B	501a/08
Q-9CF (2)	Foam (GC)	9 litre	34A/233B	501a/11
Q-1SP (2)	ABC Powder (SP)	1 kg	5A/55B	501a/01
Q-2SP (2)	ABC Powder (SP)	2 kg	13A/55B	501a/02
Q-3SP (2)	ABC Powder (SP)	3 kg	13A/55B	501a/03
Q-4SP (2)	ABC Powder (SP)	4 kg	21A/144B	501a/04
Q-6SP (2)	ABC Powder (SP)	6 kg	34A/233B	501a/05
Q-9SP (2)	ABC Powder (SP)	9 kg	43A/233B	501a/06
Q-6CP (2)	ABC Powder (GC)	6 kg	27A/233B	501a/16
Q-9CP (2)	ABC Powder (GC)	9 kg	43A/233B	501a/17
Q-12CP (2)	ABC Powder (GC)	12 kg	55A/233B	501a/18
Q-6SW (2)	Water (SP)	6 litre	8A	501a/09
Q-9SW (2)	Water (SP)	9 litre	13A	501a/10
Q-9WSEA (2)	Water additive (SP)	9 litre	21A	501a/12
Q-9WCEA (2)	Water additive (GC)	9 litre	21A	501a/13

Notes:

- 1) Brand name of extinguisher is "Combat"
- 2) Brand name of extinguisher is "Q-Fire"

NAFFCO FZ Co

PO Box 17014, Jebel Ali, Dubai, United Arab Emirates

Tel: +971 4815111 • Fax: +971 48151222

E-mail: natfire@emirates.net.ae • Website: www.naffco.com

Certificate No: 463a to EN 3: Parts 7, 8 & 9

Portable Fire Extinguishers

Product Name	Type	Capacity	Fire Rating	LPCB Ref. No.
NHFC4	Clean Agent (SP)	4 kg	34B	463a/33

PART 2: SECTION 1
PORTABLE FIRE EXTINGUISHERS

Product Name	Type	Capacity	Fire Rating	LPCB Ref. No.
NHFC6	Clean Agent (SP)	6 kg	5A/55B	463a/34
NHFC9	Clean Agent (SP)	9 kg	8A/70B	463a/35
NHFC12	Clean Agent (SP)	12 kg	13A/70B	463a/36
NC2	CO ₂	2 kg	34B	463a/01
NCS2	CO ₂	2 kg	34B	463a/06
NCZ2	CO ₂	2 kg	55B	463a/07
NC5	CO ₂	5 kg	55B	463a/02
NC5X	CO ₂	5 kg	70B	463a/15
NCA5X	CO ₂	5 kg	70B	463a/16
NF 2EB	Eco Barid Foam (SP)	2 litre	8A/89B/5F	463a/39
NF 3EB	Eco Barid Foam (SP)	3 litre	8A/113B/25F	463a/40
NF 6EB	Eco Barid Foam (SP)	6 litre	21A/183B/40F	463a/41
NF 9EB	Eco Barid Foam (SP)	9 litre	27A/183B/40F	463a/42
NF3	Foam (SP)	3 litre	8A/70B	463a/17
NF3X	Foam (SP)	3 litre	8A/70B	463a/18
NF6	Foam (SP)	6 litre	21A/144B	463a/08
NF6X	Foam (SP)	6 litre	27A/144B	463a/19
NF9	Foam (SP)	9 litre	21A/183B	463a/09
NF9X	Foam (SP)	9 litre	27A/233B	463a/20
NFA9	Foam (SP)	9 litre	21A/183B	463a/21
NFC6X	Foam (GC)	6 litre	27A/144B	463a/26
NFC9X	Foam (GC)	9 litre	34A/233B	463a/27
NP1	ABC Powder (SP)	1 kg	8A/34B	463a/05
NP2	ABC Powder (SP)	2 kg	13A/89B	463a/37
NP3	ABC Powder (SP)	3 kg	21A/89B	463a/28
NP4	ABC Powder (SP)	4 kg	21A/113B	463a/10
NP6	ABC Powder (SP)	6 kg	43A/233B	463a/38
NP9	ABC Powder (SP)	9 kg	43A/233B	463a/03
NP12	ABC Powder (SP)	12 kg	55A/233B	463a/04
NW6	Water (SP)	6 litre	13A	463a/11
NW6X	Water (SP)	6 litre	13A	463a/22
NW9	Water (SP)	9 litre	21A	463a/12
NW9X	Water (SP)	9 litre	21A	463a/23
NWC6X	Water (SP)	6 litre	13A	463a/29
NWC9X	Water (SP)	9 litre	21A	463a/30
NWA9	Water (SP)	9 litre	21A	463a/24
NWN6	Water (SP)	6 litre	13A	463a/13
NWN9	Water (SP)	9 litre	13A	463a/14
NKE2	Wet Chemical	2 litre	5F	463a/31
NKE3X	Wet Chemical	3 litre	8A/25F	463a/32
NKE6	Wet Chemical	6 litre	13A/75F	463a/25

Qatar Factory for Fire Fighting Equipment & Safety Systems

New Industrial Area, Street No 41, PO Box 55644, Doha, Qatar

Tel: +974 4402 5888 • Fax: +974 4411 4630

Website: www.naffco.com

Certificate No: 1346a to EN 3 Parts 7, 8 & 9

Portable Fire Extinguishers

Product Name	Type	Capacity	Fire Rating	LPCB Ref. No.
NQC2	CO ₂	2 kg	34B	1346a/01
NQC5	CO ₂	5 kg	55B	1346a/02
NQF6	Foam (SP)	6 litre	21A/144B	1346a/03
NQF9	Foam (SP)	9 litre	21A/183B	1346a/04
NQP1	ABC Powder (SP)	1 kg	8A/34B	1346a/05
NQP2	ABC Powder (SP)	2 kg	13A/89B	1346a/06
NQP4	ABC Powder (SP)	4 kg	21A/113B	1346a/07
NQP6	ABC Powder (SP)	6 kg	43A/233B	1346a/08
NQP9	ABC Powder (SP)	9 kg	43A/233B	1346a/09
NQP12	ABC Powder (SP)	12 kg	55A/233B	1346a/10
NQW6	Water (SP)	6 litre	13A	1346a/11
NQW9	Water (SP)	9 litre	21A	1346a/12

PART 2: SECTION 1

PORTABLE FIRE EXTINGUISHERS

Ras Al Khaimah Fire Fighting Equipment Factory Fire King L.L.C

Wiz 07/12 Rakia Warehouse, Industrial Zone, Al Jazeera Al Hamra, Ras Al Khaimah, United Arab Emirates

Tel: +97172437050 • Fax: +97172437040

E-mail: info@fireking.ae • Website: www.fireking.ae

Certificate No: 1092Fa to EN 3 Parts 7, 8 and 9

FIRE KING Portable Fire Extinguishers

Product Name	Type	Capacity	Fire Rating	LPCB Ref. No.
FKCD2	CO ₂	2 kg	34B	1092Fa/31
FKCD5	CO ₂	5 kg	70B	1092Fa/33
FKFM6	Foam (SP)	6 litre	21A/144B	1092Fa/17
FKFM9	Foam (SP)	9 litre	27A/233B	1092Fa/19
FKPD1	ABC Powder (SP)	1 kg	8A/34B	1092Fa/01
FKPD2	ABC Powder (SP)	2 kg	13A/89B	1092Fa/05
FKPD4	ABC Powder (SP)	4 kg	27A/144B	1092Fa/08
FKPD6	ABC Powder (SP)	6 kg	43A/233B	1092Fa/09
FKPD9	ABC Powder (SP)	9 kg	55A/233B	1092Fa/11
FKPD12	ABC Powder (SP)	12 kg	55A/233B	1092Fa/12
FKWT6	Water (SP)	6 litre	13A	1092Fa/24
FKWT9	Water (SP)	9 litre	21A	1092Fa/25
FKWC3	Wet Chemical (SP)	3 litre	13A/70B/40F	1092Fa/22
FKWC6	Wet Chemical (SP)	6 litre	21A/113B/75F	1092Fa/23

Resil Commercial Industrial Ltda

Av. Prestes Maia 791, Diadema 09930-900, Sao Paulo, Brazil

Tel: +55 11 2178 8071 • Fax: +55 11 2178 8078

E-mail: aline.silva@resil.com.br • Website: www.resil.com.br

Certificate No: 880Aa to BS EN 3 Parts 7 and 8

Product Name	Type	Capacity	Fire rating	LPCB Ref. No.
R966	Foam (SP)	2 litres	5A/34B	880Aa/01
R964	ABC Powder (SP)	1 kg	5A/34B	880Aa/02
R955	ABC Powder (SP)	2 kg	8A/55B	880Aa/03
R968	BC Powder (SP)	1 kg	34B	880Aa/04

Certificate No: 880Ab to Technical Approval based upon EN3 Part 7

Product Name	Type	Capacity	Fire rating	LPCB Ref. No.
R910	BC Powder (SP)	800g	21B	880Ab/01
R911	BC Powder (SP)	800g	21B	880Ab/02

Note 1. Reference models R910 and R911, 800 g is not one of the specified nominal charges specified in EN 3-7 clause 6.1 Nominal charges.

Saudi Factory for Fire Equipment Co.

Al-Kharj Road, 2nd Industrial Area, PO Box 4441, Riyadh 14334, Kingdom of Saudi Arabia

Tel: +966 1 265 0070 • Fax: +966 1 265 2190

E-mail: qa@sffeco.com.sa • Website: www.sffeco.com

Certificate No: 403a to EN 3: Parts 1 to 6

Product Name	Type	Capacity	Fire Rating	Operating Temp Range (°C)	LPCB Ref. No.
PD1	ABC(SP)	1kg	8A/34B	-20 to +60	403a/05
PD2	ABC(SP)	2kg	13A/70B	-20 to +60	403a/01
PD6	ABC(SP)	6kg	34A/183B	-20 to +60	403a/02
PD9	ABC(SP)	9kg	43A/233B	-20 to +60	403a/03
PD12	ABC(SP)	12kg	55A/233B	-20 to +60	403a/04
CD2G	CO ₂	2kg	21B	-20 to +60	463a/01
CD5G	CO ₂	5kg	55B	-20 to +60	463a/02
FX6	Foam (SP)	6 l	21A/144B	+5 to +60	403a/06
FX6MAX	Foam (SP)	6 l	27A/183B	+5 to +60	403a/07
FX9	Foam (SP)	9 l	21A/183B	+5 to +60	403a/08
WH600J	Water (SP)	6 l	13A	+5 to +60	403a/09
WH900J	Water (SP)	9 l	13A	+5 to +60	403a/10
WH600S	Water (SP)	6 l	13A	+5 to +60	403a/11
WH900S	Water (SP)	9 l	21A	+5 to +60	403a/12

Sentura Group (incl. FireDepot & EasiLume)

Sentura House, 3 Lands End Way, Oakham, Rutland LE15 6RB, United Kingdom

Tel: +44 (0)330 999 22 33 • Fax: +44 (0)1572 770133

E-mail: sales@firedepot.co.uk • Website: www.firedepot.co.uk

Certificate No: 1093b to EN 3-7:2004+A1:2007

FIRECHIEF FM Portable Fire Extinguishers

Product Name	Type	Capacity	Fire rating	LPCB Ref. No.
FMP600	ABC Powder (SP)	0.6 kg	5A/21B	1093b/01
FMP800	ABC Powder (SP)	0.8 kg	5A/34B	1093b/03

Note: 0.6kg and 0.8kg powder are not nominal charges specified in EN 3-7:2004+A1:2007 clause 6.1 - Nominal Charges

Certificate No: 1093a to EN 3 Parts 7, 8 & 9

FIRECHIEF FM, XTR, POWERPLUS & ECOSPRAY Extinguishers

Product Name	Type	Capacity	Fire rating	LPCB Ref. No.
FXCD2	CO ₂	2 kg	34B	1093a/30
FXCD2S	CO ₂	2 kg	34B	1093a/31
FXCD5	CO ₂	5 kg	70B	1093a/32
FXCD5S	CO ₂	5 kg	70B	1093a/33
FMF2	Foam (SP)	2 litre	8A/55B	1093a/14
FXF2	Foam (SP)	2 litre	8A/55B	1093a/15
FXF3	Foam (SP)	3 litre	13A/89B	1093a/16
FXF6	Foam (SP)	6 litre	21A/144B	1093a/17
PPF6	Foam (SP)	6 litre	27A/183B	1093a/18
FXF9	Foam (SP)	9 litre	27A/233B	1093a/19
FMP1	ABC Powder (SP)	1 kg	8A/34B	1093a/01
FMFA1	ABC Powder (SP)	1 kg	8A/34B	1093a/02
FXP1	ABC Powder (SP)	1 kg	8A/34B	1093a/03
PPP1	ABC Powder (SP)	1 kg	8A/55B	1093a/04
FMP2	ABC Powder (SP)	2 kg	13A/89B	1093a/05
FXP2	ABC Powder (SP)	2 kg	13A/89B	1093a/06
FXP3	ABC Powder (SP)	3 kg	21A/113B	1093a/07
FXP4	ABC Powder (SP)	4 kg	27A/144B	1093a/08
FXP6	ABC Powder (SP)	6 kg	43A/233B	1093a/09

PART 2: SECTION 1

PORTABLE FIRE EXTINGUISHERS

Product Name	Type	Capacity	Fire rating	LPCB Ref. No.
PPP6	ABC Powder (SP)	6 kg	55A/233B	1093a/10
FXP9	ABC Powder (SP)	9 kg	55A/233B	1093a/11
FXP12	ABC Powder (SP)	12 kg	55A/233B	1093a/12
FXW6	Water (SP)	6 litre	13A	1093a/24
FXW9	Water (SP)	9 litre	21A	1093a/25
ESW3	Water Additive (SP)	3 litre	13A	1093a/28
ESW6	Water Additive (SP)	6 litre	27A	1093a/29
FMABF2	Wet Chemical (SP)	2 litre	8A/34B/25F	1093a/20
FXWC2	Wet Chemical (SP)	2 litre	8A/34B/25F	1093a/21
FXWC3	Wet Chemical (SP)	3 litre	13A/70B/40F	1093a/22
FXWC6	Wet Chemical (SP)	6 litre	21A/113B/75F	1093a/23

Tianbo & Mega Safety Ltd.

Baishuicong Industrial Park, Lianglong Town, Yuyao City, Zhejiang, China

Tel: +86-21-61602389 • Fax: +86-21-61602389 ext. 805

E-mail: enquiry@mega-safety.com • Website: www.mega-safety.com

Certificate No: 1092a to EN3 Parts 7,8 and 9

Portable Fire Extinguishers

Product Name	Type	Capacity	Fire rating	LPCB Ref. No.
TMCD2A	CO ₂	2 kg	34B	1092a/30
TMCD2	CO ₂	2 kg	34B	1092a/31
TMCD5A	CO ₂	5 kg	70B	1092a/32
TMCD5	CO ₂	5 kg	70B	1092a/33
TMFM2S	Foam (SP)	2 litre	8A/55B	1092a/14
TMFM3S	Foam (SP)	3 litre	13A/89B	1092a/16
TMFM6S	Foam (SP)	6 litre	21A/144B	1092a/17
TMFM6RS	Foam (SP)	6 litre	27A/183B	1092a/18
TMFM9S	Foam (SP)	9 litre	27A/233B	1092a/19
TMPD1E	ABC Powder (SP)	1 kg	8A/34B	1092a/01
TMPD1A	ABC Powder (SP)	1 kg	8A/34B	1092a/02
TMPD1	ABC Powder (SP)	1 kg	8A/34B	1092a/03
TMPD1S	ABC Powder (SP)	1 kg	8A/55B	1092a/04
TMPD2S	ABC Powder (SP)	2 kg	13A/89B	1092a/05
TMPD3S	ABC Powder (SP)	3 kg	21A/113B	1092a/07
TMPD4S	ABC Powder (SP)	4 kg	27A/144B	1092a/08
TMPD6S	ABC Powder (SP)	6 kg	43A/233B	1092a/09
TMPD6RS	ABC Powder (SP)	6 kg	55A/233B	1092a/10
TMPD9S	ABC Powder (SP)	9 kg	55A/233B	1092a/11
TMPD12	ABC Powder (SP)	12 kg	55A/233B	1092a/12
TMWT6	Water (SP)	6 litre	13A	1092a/24
TMWT9	Water (SP)	9 litre	21A	1092a/25
TMWT3A	Water Additive (SP)	3 litre	13A	1092a/28
TMWT6A	Water Additive (SP)	6 litre	27A	1092a/29
TMWC2	Wet Chemical (SP)	2 litre	8A/34B/25F	1092a/21
TMWC3	Wet Chemical (SP)	3 litre	13A/70B/40F	1092a/22
TMWC6	Wet Chemical (SP)	6 litre	21A/113B/75F	1092a/23

Certificate No: 1092b to Technical Approval based upon EN3 Part 7

Portable Fire Extinguishers

Product Name	Type	Capacity	Fire Rating	LPCB Ref. No.
PD600	ABC Powder (SP)	0.6 kg	5A/21B	1092b/01
PD800	ABC Powder (SP)	0.8 kg	5A/34B	1092b/03

Note: 0.6kg and 0.8kg powder are not nominal charges specified in EN 3 Part 7 clause 6.1 - Nominal Charges

Unisafe Fire Protection Specialists LLC

P.O.Box 117579, Ras Al Khor, Al Aweer Industrial Estate, Dubai, United Arab Emirates
Tel: +971 4 3339977 • Fax: +971 4 3339358
Website: www.unisafedxb.com

Certificate No: 1092Da to EN3 Parts 7, 8 and 9

Product Name	Type	Capacity	Fire rating	LPCB Ref. No.
UCE2A	CO ₂	2 kg	34B	1092Da/30
UCE2	CO ₂	2 kg	34B	1092Da/31
UCE5A	CO ₂	5 kg	70B	1092Da/32
UCE5	CO ₂	5 kg	70B	1092Da/33
UFE2	Foam (SP)	2 litre	8A/55B	1092Da/14
UFE3	Foam (SP)	3 litre	13A/89B	1092Da/16
UFE6	Foam (SP)	6 litre	21A/144B	1092Da/17
UFE6X	Foam (SP)	6 litre	27A/183B	1092Da/18
UFE9	Foam (SP)	9 litre	27A/233B	1092Da/19
UPE1E	ABC Powder (SP)	1 kg	8A/34B	1092Da/01
UPE1A	ABC Powder (SP)	1 kg	8A/34B	1092Da/02
UPE1	ABC Powder (SP)	1 kg	8A/34B	1092Da/03
UPE1S	ABC Powder (SP)	1 kg	8A/55B	1092Da/04
UPE2S	ABC Powder (SP)	2 kg	13A/89B	1092Da/05
UPE3S	ABC Powder (SP)	3 kg	21A/113B	1092Da/07
UPE4S	ABC Powder (SP)	4 kg	27A/144B	1092Da/08
UPE6S	ABC Powder (SP)	6 kg	43A/233B	1092Da/09
UPE6X	ABC Powder (SP)	6 kg	55A/233B	1092Da/10
UPE9S	ABC Powder (SP)	9 kg	55A/233B	1092Da/11
UPE12	ABC Powder (SP)	12 kg	55A/233B	1092Da/12
UWE6	Water (SP)	6 litre	13A	1092Da/24
UWE9	Water (SP)	9 litre	21A	1092Da/25
UWAE3	Water Additive (SP)	3 litre	13A	1092Da/28
UWAE6	Water Additive (SP)	6 litre	27A	1092Da/29
UWCE2	Wet Chemical (SP)	2 litre	8A/34B/25F	1092Da/21
UWCE3	Wet Chemical (SP)	3 litre	13A/70B/40F	1092Da/22
UWCE6	Wet Chemical (SP)	6 litre	21A/113B/75F	1092Da/23

Zhejiang Orientx Fire Safety Equipment Co., Ltd.

Wucheyan, Huangjiabu Town, Yuyao City, Zhejiang 315466, China
Tel: 0086-574-62003908 • Fax: 0086-574-62003933
E-mail: chendian@orientxfire.com • Website: <http://www.orientxfire.com>

Certificate No: 1327a to EN 3-7:2004+A1:2007 & EN 3-9:2006

Portable Fire Extinguishers

Product Name	Type	Capacity	Fire Rating	LPCB Ref. No.
OCE2-LWB117	CO ₂	2 kg	34B	1327a/01
OCE5-LWB152	CO ₂	5 kg	70B	1327a/02

Zhejiang Ruihua Machinery Co. Ltd

No. 1 Fengqixi Road, Western Industrial Zone, Linshan Town, Yuyao, Zhejiang 315460, China
Tel: 0086 1350 578 4280 • Fax: 0086 574 6200 3570
E-mail: jingxingli@ruihuafire.com

Certificate No: 867a to EN 3 Parts 7, 8 and 9

PART 2: SECTION 1

PORTABLE FIRE EXTINGUISHERS

Portable Fire Extinguishers

Product Name	Type	Capacity	Fire rating	LPCB Ref. No.
K2S (1)	CO ₂	2 kg	34B	867a/10
K5S (1)	CO ₂	5 kg	89B	867a/11
S2 Eco (1)	Foam (SP)	2 litre	8A / 55B	867a/21
S6 Eco (1,2)	Foam (SP)	6 litre	21A / 183B	867a/12
S6 Eco Plus	Foam (SP)	6 litre	34A/183B	867a/20
S9 Eco (1,2)	Foam (SP)	9 litre	27A/233B	867a/13
P1GS (1,2)	ABC Powder (SP)	1 kg	8A/55B	867a/04
PG2/P2GS (1,2)	ABC Powder (SP)	2 kg	13A/89B	867a/01
P2P	ABC Powder (SP)	2 kg	13A/89B	867a/15
PG3/P3GS	ABC Powder (SP)	3 kg	21A/144B	867a/05
PG4/P4GS (1)	ABC Powder (SP)	4 kg	27A/233B	867a/07
P6GS (1,2)	ABC Powder (SP)	6 kg	43A/233B	867a/02
PG9/P9GS (1,2)	ABC Powder (SP)	9 kg	55A/233B	867a/08
PG12/P12GS	ABC Powder (SP)	12 kg	55A/233B	867a/03
W6 (1)	Water (SP)	6 litre	13A	867a/17
W9 (1)	Water (SP)	9 litre	21A	867a/09
WA6	Water Additive (SP)	6 litre	21A	867a/19
F6 (1)	Wet Chemical (SP)	6 litre	21A/113B/75F	867a/16

Notes:

(1) Additional Brand Name - Jackson

(2) Additional Brand Name - Evertuff

Fire Hose Reels should be selected, sited, serviced and maintained in accordance with the relevant code of practice. Hose reels are manufactured in fixed, swinging, recessed and concealed versions with automatic or manual water supply valves. They are normally located in a protective easily accessible approved cabinet to give protection from un-authorized interference, dust, rubbish etc.

A fully extended semi rigid fire hose is up to 30 meters long, red in colour and round in section and is intended to provide a controlled supply of water to combat a potential fire risk quickly without having to set up lengths of lay flat hose from another source. This is achieved via a control nozzle attached to the end of the hose which enables a single operator to control the direction and flow of water to the fire. Its semi rigid construction is flexible and durable, which helps to prevent kinks that would restrict the water supply.

Hose reels help to ensure that escape routes can be maintained and are often located in larger areas or corridors where a fire extinguisher does not provide sufficient cover. If appropriate to the risk the hose reel may also be used to fight the fire in its early stages. Hose reels may also be found in other higher risk locations, such as in a petrochemical environment when used in conjunction with a suitable approved foam attachment.

In some countries layflat hose (which has a larger bore than semi rigid hose) may also be used in a similar manner to a conventional hose reel. The layflat hose, typically 30 metres in length, is located in a cupboard containing a hanging rack and a manual or automatic valve connection to a suitable water supply. The layflat hose system is installed in a fixed location within a building, ensuring a fast and easily available source of larger quantities of water. A branch or nozzle is also supplied to control the water distribution.

This section lists products approved in accordance with:

- EN 671-1 *Fixed firefighting systems - Hose systems: Part 1 Hose reels with semi-rigid hose; and*
- EN 671-2 *Fixed firefighting systems - Hose systems: Part 2 Hose systems with lay-flat hose*

All LPCB approved and listed hose reels carry the LPCB mark and certificate number.

A1 Fire Fighting

P.O.Box 97316, Obaid Warehouse #8, Qusais Ind Area 5, Dubai, United Arab Emirates

Tel: +971 4883 7662 • Fax: +971 4320 9378

E-mail: info@a1firefighting.com • Website: www.a1firefighting.com

Certificate No: 1153Ha to EN 671-1:2012

'A1 FIRE FIGHTING' Fire Hose Reels

Product Name	Description	Hose Nominal Bore (mm)	Hose Maximum Length (m)	Nozzle type	LPCB Ref. No.
A1-HRA	Automatic, swinging arm, wall mounted	25	30	Rotary operated jet/spray	1153Ha/01
A1-HRM-B	Manual, swinging arm, wall mounted	25	30	Rotary operated jet/spray	1153Ha/05
A1-HRM-P	Manual, swinging arm, wall mounted	25	30	Rotary operated jet/spray	1153Ha/10

PART 2: SECTION 3

FIRE HOSE REELS

Al Tahadi Security And Safety Equipment Trading

PO Box 45668, Ind. Area 11, Sharjah, United Arab Emirates

Tel: +971 5 0868 4543 • Fax: +971 6535 9220

E-mail: Sharqawi61@yahoo.com • Website: www.tahadi-fire.com

Certificate No: 1038Ra to EN 671-1

Tahadi Fire Hose Reels

Product Name	Description	Hose Nominal Bore (mm)	Hose Maximum Length (m)	Nozzle type	LPCB Ref. No.
TSS-08-A	Manual, swinging arm, cabinet or wall mounted	19	30	Lever operated jet only or rotary operated jet/spray	1038Ra/01
TSS-07-B	Manual, swinging arm, cabinet or wall mounted	25	30	Lever operated jet only or rotary operated jet/spray	1038Ra/02
TSS-06-B	Automatic, swinging arm, cabinet or wall mounted	25	30	Lever operated jet only or rotary operated jet/spray	1038Ra/04

Ampac Safety Pty Ltd.

7 Ledger Road, Balcatta 6021, Australia

Tel: +68 8 9200 2100 • Fax: +61 8 9200 2101

E-mail: nweiss@ampacsafety.net • Website: www.ampacsafety.net

Certificate No: 1153Da to EN 671-1

FlameSAFE Fire Hose Reels

Product Name	Description	Hose Nominal Bore (mm)	Hose Maximum Length (m)	Nozzle type	LPCB Ref. No.
2005-1006	Automatic, swinging arm, wall mounted	25	30	Lever operated jet/spray	1153Da/01
2005-1002	Manual, fixed, wall mounted	25	30	Lever operated jet/spray	1153Da/02
2005-1005	Automatic, swinging arm, wall mounted	19	30	Lever operated jet/spray	1153Da/03
2005-1001	Manual, fixed, wall mounted	19	30	Lever operated jet/spray	1153Da/04
2005-1004	Manual, swinging arm, wall mounted	25	30	Lever operated jet/spray	1153Da/05
2005-1003	Manual, swinging arm, wall mounted	19	30	Lever operated jet/spray	1153Da/06

Angus Fire Ltd.

Station Road, Bentham, Lancaster LA2 7NA, United Kingdom

Tel: +44 (0)1524 264000 • Fax: +44 (0)1524 264180

E-mail: general.enquiries@angusuk.co.uk • Website: www.angusfire.co.uk

Certificate No: 1153Ea to EN 671-1:2012

TARTAN Fire Hose Reels

Product Name	Description	Hose Nominal Bore (mm)	Hose Maximum Length (m)	Nozzle type	LPCB Ref. No.
MT-HR002	Automatic, swinging arm, wall mounted	25	30	Rotary operated jet/spray	1153Ea/01
MT-HR001	Manual, swinging arm, wall mounted	25	30	Rotary operated jet/spray	1153Ea/05

Asiatic Fire System Pte Ltd.

65 Joo Koon Circle 629078, Singapore

Tel: +65 6863 0188 • Fax: +65 6897 9220

E-mail: asiatic@asiatic.com.sg • Website: www.asiaticfire.com.sg

Certificate No: 1038ADa to EN 671-1:2012

KILLFIRE Fire Hose Reel

Product Name	Description	Hose Nominal Bore (mm)	Hose Maximum Length (m)	Nozzle type	LPCB Ref. No.
KHS-1E-C	Manual, swinging pipe, cabinet or wall mounted	25	30	Lever operated jet only or rotary operated jet/spray	1038ADa/14

Beijing Synergy Technology Company, Ltd.

B-606, Tian Yuan Gang, No. 2 Dongsanhuan North, Chaoyang, Beijing 100027, China

Tel: +86 10 64680818 • Fax: +86 10 64680816

E-mail: raysun@synergyindustry.com • Website: www.synergyindustry.com

Certificate No: 1038AJa to EN 671-1:2012

'SNG' Fire Hose Reels

Product Name	Description	Hose Nominal Bore (mm)	Hose Maximum Length (m)	Nozzle type	LPCB Ref. No.
SNG07-03A	Manual, swinging arm, cabinet or wall mounted	19	30	Lever operated jet only or rotary operated jet/spray	1038AJa/01
SNG07-03B	Manual, swinging arm, cabinet or wall mounted	25	30	Lever operated jet only or rotary operated jet/spray	1038AJa/02
SNG07-03C	Automatic, swinging arm, cabinet or wall mounted	19	30	Lever operated jet only or rotary operated jet/spray	1038AJa/03
SNG07-03D	Automatic, swinging arm, cabinet or wall mounted	25	30	Lever operated jet only or rotary operated jet/spray	1038AJa/04
SNG07-02D	Manual, swinging arm, wall mounted	33	30	Rotary operated jet/spray	1038AJa/05
SNG07-04A	Manual, fixed, wall mounted	19	30	Lever operated jet only or rotary operated jet/spray	1038AJa/06
SNG07-04B	Manual, fixed, wall mounted	25	30	Lever operated jet only or rotary operated jet/spray	1038AJa/07
SNG07-02C	Manual, swinging arm, wall mounted	25	30	Lever operated jet only or rotary operated jet/spray	1038AJa/12
SNG07-02A	Manual, swinging pipe, cabinet or wall mounted	19	30	Lever operated jet only or rotary operated jet/spray	1038AJa/13
SNG07-02B	Manual, swinging pipe, cabinet or wall mounted	19	30	Lever operated jet only or rotary operated jet/spray	1038AJa/14

BETA Corporation s.r.o

Slavojova 579/9, Prague 2, Nusle 128 00, Czech Republic

Tel: +420 721 554 641

E-mail: info@betacorporation.eu • Website: www.betacorporation.eu

Certificate No: 1038Xa to EN 671-1:2012

PART 2: SECTION 3

FIRE HOSE REELS

BETA Fire Hose Reels

Product Name	Description	Hose Nominal Bore (mm)	Hose Maximum Length (m)	Nozzle type	LPCB Ref. No.
BETA-01	Manual, swinging arm, cabinet or wall mounted	19	30	Lever operated jet only or rotary operated jet/spray	1038Xa/01
BETA-02	Manual, swinging arm, cabinet or wall mounted	25	30	Lever operated jet only or rotary operated jet/spray	1038Xa/02
BETA-03	Manual, swinging arm, wall mounted	33	30	Rotary operated jet/spray	1038Xa/05

BGS nv

Bleyveld 10, Hoegaarden 3320, Belgium
Tel: +32 16 76 08 87 • Fax: +32 16 76 08 90
E-mail: bgsb@bgs.be • Website: www.bgs.be

Certificate No: 1038AHa to EN 671-1:2012

'BGS' Fire Hose Reels

Product Name	Description	Hose Nominal Bore (mm)	Hose Maximum Length (m)	Nozzle type	LPCB Ref. No.
HAS20ZN	Manual, swinging arm, cabinet or wall mounted	19	30	Lever operated jet only or rotary operated jet/spray	1038AHa/01
HAS30ZN	Manual, swinging arm, cabinet or wall mounted	25	30	Lever operated jet only or rotary operated jet/spray	1038AHa/02
HAS20VN	Manual, fixed, wall mounted	19	30	Lever operated jet only or rotary operated jet/spray	1038AHa/06
HAS30VN	Manual, fixed, wall mounted	25	30	Lever operated jet only or rotary operated jet/spray	1038AHa/07

Bristol Fire Engineering LLC

Al Quoz Industrial Area 3, P.O.Box 74582, Dubai, United Arab Emirates
Tel: +971 4 347 2426 • Fax: +971 4 347 2363
E-mail: sami@bristol-fire.com • Website: www.bristol-fire.com

Certificate No: 1226a to EN 671-1

Fire Hose Reels

Product Name	Description	Hose Nominal Bore (mm)	Hose Maximum Length (m)	Nozzle type	LPCB Ref. No.
BF-MS-003	Manual, swinging arm, cabinet or wall mounted	19	30	Rotary operated jet/spray	1226a/01
BF-MS-001	Manual, swinging arm, cabinet or wall mounted	25	30	Rotary operated jet/spray	1226a/02
BF-AS-004	Automatic, swinging arm, cabinet or wall mounted	19	30	Rotary operated jet/spray	1226a/03
BF-AS-002	Automatic, swinging arm, cabinet or wall mounted	25	30	Rotary operated jet/spray	1226a/04

Certificate No: 1226a to EN 671-1

Single Door Cabinets

Product Name	Description	LPCB Ref. No.
BF-SRM-MS1	700x700x300 single cabinet, recessed, full MS	1226a/05
BF-SRS-SH1	700x700x300 single cabinet, recessed, full SS hairline-finish	
BF-SRS-SM1	700x700x300 single cabinet, recessed, full SS mirror-finish	
BF-SRM-SH1	700x700x300 single cabinet, recessed, MS back box with SS hairline-finish	
BF-SRM-SM1	700x700x300 single cabinet, recessed, MS back box with SS mirror-finish	

PART 2: SECTION 3

FIRE HOSE REELS

Product Name	Description	LPCB Ref. No.
BF-SSM-MS1	700x700x300 single cabinet, surface mounted, full MS	
BF-SSS-SH1	700x700x300 single cabinet, surface mounted, full SS hairline-finish	
BF-SSS-SM1	700x700x300 single cabinet, surface mounted, full SS mirror-finish	
BF-SRM-MS2	800x800x300 single cabinet, recessed, full MS	
BF-SRS-SH2	800x800x300 single cabinet, recessed, full SS hairline-finish	
BF-SRS-SM2	800x800x300 single cabinet, recessed, full SS mirror-finish	
BF-SRM-SH2	800x800x300 single cabinet, recessed, MS back box with SS hairline-finish	
BF-SRM-SM2	800x800x300 single cabinet, recessed, MS back box with SS mirror-finish	
BF-SSM-MS2	800x800x300 single cabinet, surface mounted, full MS	
BF-SSS-SH2	800x800x300 single cabinet, surface mounted, full SS hairline-finish	
BF-SSS-SM2	800x800x300 single cabinet, surface mounted, full SS mirror-finish	
BF-SFM-MS1	700x700x300 free-standing single cabinet, full MS	
BF-SFS-SH1	700x700x300 free-standing single cabinet, full SS hairline-finish	
BF-SFS-SM1	700x700x300 free-standing single cabinet, full SS mirror-finish	
BF-SFM-MS2	800x800x300 free-standing single cabinet, full MS	
BF-SFS-SH2	800x800x300 free-standing single cabinet, full SS hairline-finish	
BF-SFS-SM2	800x800x300 free-standing single cabinet, full SS mirror-finish	

Certificate No: 1226a to EN 671-1

Double Door Cabinets

Product Name	Description	LPCB Ref. No.
BF-DRM-MS1	1400x700x300 double cabinet, recessed, full MS	1226a/06
BF-DRS-SH1	1400x700x300 double cabinet, recessed, full SS hairline-finish	
BF-DRS-SM1	1400x700x300 double cabinet, recessed, full SS mirror-finish	
BF-DRM-SH1	1400x700x300 double cabinet, recessed, MS back box with SS hairline-finish	
BF-DRM-SM1	1400x700x300 double cabinet, recessed, MS back box with SS mirror-finish	
BF-DSM-MS1	1400x700x300 double cabinet, surface mounted, full MS	
BF-DSS-SH1	1400x700x300 double cabinet, surface mounted, full SS hairline-finish	
BF-DSS-SM1	1400x700x300 double cabinet, surface mounted, full SS mirror-finish	
BF-DRM-MS2	1600x800x300 double cabinet, recessed, full MS	
BF-DRS-SH2	1600x800x300 double cabinet, recessed, full SS hairline-finish	
BF-DRS-SM2	1600x800x300 double cabinet, recessed, full SS mirror-finish	
BF-DRM-SH2	1600x800x300 double cabinet, recessed, MS back box with SS hairline-finish	
BF-DRM-SM2	1600x800x300 double cabinet, recessed, MS back box with SS mirror-finish	
BF-DSM-MS2	1600x800x300 double cabinet, surface mounted, full MS	
BF-DSS-SH2	1600x800x300 double cabinet, surface mounted, full SS hairline-finish	
BF-DSS-SM2	1600x800x300 double cabinet, surface mounted, full SS mirror-finish	
BF-DFM-MS1	1400x700x300 free-standing double cabinet, full MS	
BF-DFS-SH1	1400x700x300 free-standing double cabinet, full SS hairline-finish	
BF-DFS-SM1	1400x700x300 free-standing double cabinet, full SS mirror-finish	
BF-DFM-MS2	1600x800x300 free-standing double cabinet, full MS	
BF-DFS-SH2	1600x800x300 free-standing double cabinet, full SS hairline-finish	
BF-DFS-SM2	1600x800x300 free-standing double cabinet, full SS mirror-finish	

COFFCO

PO Box 5, Pincode - 678002, India

Tel: +914912908940 • Fax: +914912554695

E-mail: coffco@eth.net • Website: www.coffcofire.com

Certificate No: 1092Hd to EN 671-1

COFFCO Fire Hose Reels

Product Name	Description	Hose Nominal Bore (mm)	Hose Maximum Length (m)	Nozzle type	LPCB Ref. No.
CFHHRFA19	Fixed, automatic, wall mounted	19	30	Rotary operated spray	1092Hd/01
CFHHRFM19	Fixed, manual, wall mounted	19	30	Rotary operated spray	1092Hd/02
CFHHRSA19	Swinging, automatic, wall mounted	19	30	Rotary operated spray	1092Hd/03
CFHHRSM19	Swinging, manual, wall mounted	19	30	Rotary operated spray	1092Hd/04

PART 2: SECTION 3

FIRE HOSE REELS

Product Name	Description	Hose Nominal Bore (mm)	Hose Maximum Length (m)	Nozzle type	LPCB Ref. No.
CFFHRFA25	Fixed, automatic, wall mounted	25	30	Rotary operated spray	1092Hd/05
CFFHRFM25	Fixed, manual, wall mounted	25	30	Rotary operated spray	1092Hd/06
CFFHRSA25	Swinging, automatic, wall mounted	25	30	Rotary operated spray	1092Hd/07
CFFHRSM25	Swinging, manual, wall mounted	25	30	Rotary operated spray	1092Hd/08

Crico Engineering

Zuiddijk 10, 8340 Damme, Belgium

Tel: +32 (0)475 834 835

E-mail: info@crico-engineering.com • Website: www.crico.be

Certificate No: 1038Wa to EN 671-1:2012

Crico Fire Hose Reels

Product Name	Description	Hose Nominal Bore (mm)	Hose Maximum Length (m)	Nozzle type	LPCB Ref. No.
AQUASPRAY 20S	Manual, swinging arm, cabinet or wall mounted	19	30	Lever operated jet only or rotary operated jet/spray	1038Wa/01
AQUASPRAY 30S	Manual, swinging arm, cabinet or wall mounted	25	30	Lever operated jet only or rotary operated jet/spray	1038Wa/02
AQUASPRAY 20F	Manual, fixed, wall mounted	19	30	Lever operated jet only or rotary operated jet/spray	1038Wa/06
AQUASPRAY 30F	Manual, fixed, wall mounted	25	30	Lever operated jet only or rotary operated jet/spray	1038Wa/07

Dafoos Fire Protection Equipment Trading Est.

PO Box 50891, Warehouse No. 51, Al Quoz 4, Dubai, United Arab Emirates

Tel: +971-43402020 • Fax: +971-43471390

E-mail: dafoos@dafoos.com • Website: www.dafoos.com

Certificate No: 1153Ga to EN 671-1:2012

'SPARTAN' Fire Hose Reels

Product Name	Description	Hose Nominal Bore (mm)	Hose Maximum Length (m)	Nozzle type	LPCB Ref. No.
DFP-FHA-025	Automatic, swinging arm, wall mounted	25	30	Rotary operated jet/spray	1153Ga/01
DFP-FHM-025	Manual, swinging arm, wall mounted	25	30	Rotary operated jet/spray	1153Ga/05

Emirates Fire Fighting Equipment Factory L.L.C. (FIREX)

P.O.Box 22436, Industrial Area 13, Sharjah, United Arab Emirates

Tel: +971 6 5340300 • Fax: +971 6 5340090

E-mail: firex@emirates.net.ae • Website: www.firexuae.com

Single door cabinets

Product Name	Description	LPCB Ref. No.
FXHRSMS	Single surface mounted	863c/03
FXHRRMS	Single, recessed	
FXHRSSBS	Single, surface mounted, stainless steel brush finish	

Product Name	Description	LPCB Ref. No.
FXHRRSBS	Single, recessed, stainless steel brush finish	
FXHRSSMS	Single, surface mounted, stainless steel mirror finish	
FXHRRSMS	Single, recessed, stainless steel mirror finish	
FXHRRSBMS	Single, recessed, door & architrave stainless steel brush finish	
FXHRRSMMS	Single, recessed, door & architrave stainless steel mirror finish	
FXHRSMMSG	Single, surface mounted, glazed door	
FXHRRMSG	Single, recessed, glazed door	
FXHRSSBSG	Single, surface mounted, stainless steel brush finish, glazed door	
FXHRRBSBG	Single, recessed, stainless steel brush finish, glazed door	
FXHRSSMSG	Single, surface mounted, stainless steel mirror finish, glazed door	
FXHRRSMSG	Single, recessed, stainless steel mirror finish, glazed door	
FXHRRSBMSG	Single, recessed, door & architrave stainless steel brush finish, glazed door	
FXHRRSMMSG	Single, recessed, door & architrave stainless steel mirror finish, glazed door	

Double door cabinets

Product Name	Description	LPCB Ref. No.
FXHRESMD	Double, surface mounted	863c/04
FXHRERMD	Double, recessed	
FXHRESSBD	Double, surface mounted, stainless steel brush finish	
FXHRERSBD	Double, recessed, stainless steel brush finish	
FXHRESSMD	Double, surface mounted, stainless steel mirror finish	
FXHRERSMD	Double, recessed, stainless steel mirror finish	
FXHRERSBMD	Double, recessed, door & architrave stainless steel brush finish	
FXHRRSMMD	Double, recessed, door & architrave stainless steel mirror finish	
FXHRESMDG	Double, surface mounted, glazed doors	
FXHRERMDG	Double, recessed, glazed doors	
FXHRESSBDG	Double, surface mounted, stainless steel brush finish, glazed doors	
FXHRERSBDG	Double, recessed, stainless steel brush finish, glazed doors	
FXHRESSMDG	Double, surface mounted, stainless steel mirror finish, glazed doors	
FXHRERSMDG	Double, recessed, stainless steel mirror finish, glazed doors	
FXHRRSBMDG	Double, recessed, door & architrave stainless steel brush finish, glazed doors	
FXHRRSMMDG	Double, recessed, door & architrave stainless steel mirror finish, glazed door	

Certificate No: 863c to BS EN671-1

Fire Hose Reels

Product Name	Description	Hose nominal bore (mm)	Hose maximum length (m)	Nozzle type	LPCB Ref. No.
FX/HR/A25	Automatic, swinging arm, wall mounted, twist jet brass/chrome nozzle	25	30	Jet/spray	863c/01
FX/HR/M25	Manual, swinging arm, wall mounted, twist jet brass/chrome nozzle	25	30	Jet/spray	863c/02

EUROFEU

12 Rue Albert Remy, Senonches 28250, France

Tel: +33 82090 1818 • Fax: +33 23737 9196

Website: www.eurofeu.fr

Certificate No: 1127Aa to EN 671-1:2012

'EUROFEU' Fire Hose Reel

Product Name	Description	Hose Nominal Bore (mm)	Hose Maximum Length (m)	Nozzle type	LPCB Ref. No.
ERF3330P	Manual, swinging arm, pillar or wall mounted	33	30	Rotary operated jet/spray or lever operated jet/spray	1127Aa/07

PART 2: SECTION 3

FIRE HOSE REELS

Eurotech Fire Protection Ltd, in collaboration with Firetec Systems Ltd

Unit 6, The Business Centre, Molly Millars Lane, Wokingham, Berkshire RG41 2QZ, United Kingdom

Tel: +44 1252 860606 • Fax: +44 1252 860606

E-mail: keith.goodall@EurotechFP.com • Website: www.firetec-systems.com

Certificate No: 1038Oa to BS EN 671-1

Product Name	Description	Hose nominal bore (mm)	Hose maximum length (m)	Nozzle type	LPCB Ref. No.
EFPFHRM01	Manual, swinging arm, cabinet or wall mounted, lever and rotary operated nozzle variants.	19	30	Lever operated jet only or rotary operated jet/spray	1038Oa/01
EFPFHRM02	Manual, swinging arm, cabinet or wall mounted, lever and rotary operated nozzle variants.	25	30	Lever operated jet only or rotary operated jet/spray	1038Oa/02
EFPFHRA01	Automatic, swinging arm, cabinet or wall mounted, lever and rotary operated nozzle variants	19	30	Lever operated jet only or rotary operated jet/spray	1038Oa/03
EFPFHRA02	Automatic, swinging arm, cabinet or wall mounted, lever and rotary operated nozzle variants	25	30	Lever operated jet only or rotary operated jet/spray	1038Oa/04

Eversafe Extinguisher Sdn Bhd

Lot 878, Jalan Subang 9, Taman Perindustrian Subang, 47500 Subang Jaya, Selangor Darul Ehsan, Malaysia

Tel: +603 8024 9898 • Fax: +603 8024 7878

E-mail: info@eversafe.net • Website: www.eversafe.net

Certificate No: 734a to BS EN 671-1

Fire Hose Reels

Product Name	Description	Hose nominal bore (mm)	Hose maximum length (m)	Nozzle type	LPCB Ref. No.
EE-CSJR-08	Manual, swinging arm, cabinet or wall mounted, lever and rotary operated nozzle variants	19	30	Lever operated jet only or rotary operated jet/spray	734a/01
EE-CSJR-07	Manual, swinging arm, cabinet or wall mounted, lever and rotary operated nozzle variants	25	30	Lever operated jet only or rotary operated jet/spray	734a/02
EE-CSJR-10	Automatic, swinging arm, cabinet or wall mounted, lever and rotary operated nozzle variants	19	30	Lever operated jet only or rotary operated jet/spray	734a/03
EE-CSJR-06	Automatic, swinging arm, cabinet or wall mounted, lever and rotary operated nozzle variants	25	30	Lever operated jet only or rotary operated jet/spray	734a/04
EE-CSJR-01	Manual, swinging arm, wall mounted, rotary operated nozzle	33	30	Rotary operated jet/spray	734a/05
FS-CSJR-08	Manual, swinging arm, cabinet or wall mounted, lever and rotary operated nozzle variants	19	30	Lever operated jet only or rotary operated jet/spray	734a/06
FS-CSJR-07	Manual, swinging arm, cabinet or wall mounted, lever and rotary operated nozzle variants	25	30	Lever operated jet only or rotary operated jet/spray	734a/07
FS-CSJR-10	Automatic, swinging arm, cabinet or wall mounted, lever and rotary operated nozzle variants	19	30	Lever operated jet only or rotary operated jet/spray	734a/08
FS-CSJR-06	Automatic, swinging arm, cabinet or wall mounted, lever and rotary operated nozzle variants	25	30	Lever operated jet only or rotary operated jet/spray	734a/09
FS-CSJR-01	Manual, swinging arm, wall mounted, rotary operated nozzle	33	30	Rotary operated jet/spray	734a/10

PART 2: SECTION 3

FIRE HOSE REELS

Product Name	Description	Hose nominal bore (mm)	Hose maximum length (m)	Nozzle type	LPCB Ref. No.
RP-CSJR-08	Manual, swinging arm, cabinet or wall mounted, lever and rotary operated nozzle variants	19	30	Lever operated jet only or rotary operated jet/spray	734a/11
RP-CSJR-07	Manual, swinging arm, cabinet or wall mounted, lever and rotary operated nozzle variants	25	30	Lever operated jet only or rotary operated jet/spray	734a/12
RP-CSJR-10	Automatic, swinging arm, cabinet or wall mounted, lever and rotary operated nozzle variants	19	30	Lever operated jet only or rotary operated jet/spray	734a/13
RP-CSJR-06	Automatic, swinging arm, cabinet or wall mounted, lever and rotary operated nozzle variants	25	30	Lever operated jet only or rotary operated jet/spray	734a/14
RP-CSJR-01	Manual, swinging arm, wall mounted, rotary operated nozzle	33	30	Rotary operated jet/spray	734a/15

Notes:

- 1) Prefix EE are branded "EVERSAFE"
- 2) Prefix FS are branded "FireSafe"
- 3) Prefix RP are branded "Red Panther"

Exon For Fire Protection Inc.

615 Remnor Ave, Ottawa, Ontario K2T 0A6, Canada

Tel: +613 276 7755

E-mail: ahmed.shalaby@exonfire.com • Website: www.exonfire.com

Certificate No: 1153Fa to EN 671-1:2012

EZULA Fire Hose Reels

Product Name	Description	Hose Nominal Bore (mm)	Hose Maximum Length (m)	Nozzle type	LPCB Ref. No.
EX06-172-00	Automatic, swinging arm, wall mounted	25	30	Rotary operated jet/spray	1153Fa/01
EX06-173-00	Manual, fixed, wall mounted	25	30	Rotary operated jet/spray	1153Fa/02
EX06-173B-00	Manual, swinging arm, wall mounted	25	30	Rotary operated jet/spray	1153Fa/05

Fire Fighter CO Security and Safety Equipment Trading LLC

Al Qusais Industry Area 4, P O Box 84926, Dubai, UAE, United Arab Emirates

Tel: 00971-4-2554494

E-mail: mutasem@firefighterco1.ae

Certificate No: 1038AGa to EN 671-1:2012

'FST' Fire Hose Reels

Product Name	Description	Hose Nominal Bore (mm)	Hose Maximum Length (m)	Nozzle type	LPCB Ref. No.
FST-08	Manual, swinging arm, cabinet or wall mounted	19	30	Lever operated jet only or rotary operated jet/spray	1038AGa/01
FST-07	Manual, swinging arm, cabinet or wall mounted	25	30	Lever operated jet only or rotary operated jet/spray	1038AGa/02
FST-10	Automatic, swinging arm, cabinet or wall mounted	19	30	Lever operated jet only or rotary operated jet/spray	1038AGa/03
FST-06	Automatic, swinging arm, cabinet or wall mounted	25	30	Lever operated jet only or rotary operated jet/spray	1038AGa/04

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FIRE HOSE REELS

Fireguard Safety Equipment Co Ltd

2nd Floor, 145-147 St John Street, London EC1V 4PY, United Kingdom

Tel: +44 (0)8450 751042 • Fax: +44 (0)845 2991039

E-mail: info@fireguard-uk.com • Website: www.fireguard-uk.com

Certificate No: 1038Ba to BS EN 671-1

Fire Hose Reels

Product Name	Description	Hose nominal bore (mm)	Hose maximum length (m)	Nozzle type	LPCB Ref. No.
FGHR 1930M	Manual, swinging arm, cabinet or wall mounted, lever and rotary operated nozzle variants.	19	30	Lever operated jet only or rotary operated jet/spray	1038Ba/01
FGHR 2530M	Manual, swinging arm, cabinet or wall mounted, lever and rotary operated nozzle variants.	25	30	Lever operated jet only or rotary operated jet/spray	1038Ba/02
FGHR 1930A	Automatic, swinging arm, cabinet or wall mounted, lever and rotary operated nozzle variants.	19	30	Lever operated jet only or rotary operated jet/spray	1038Ba/03
FGHR 2530A	Automatic, swinging arm, cabinet or wall mounted, lever and rotary operated nozzle variants.	25	30	Lever operated jet only or rotary operated jet/spray	1038Ba/04
Pulsor 1930M	Manual, swinging arm, cabinet or wall mounted, lever and rotary operated nozzle variants.	19	30	Lever operated jet only or rotary operated jet/spray	1038Ba/05
Pulsor 2530M	Manual, swinging arm, cabinet or wall mounted, lever and rotary operated nozzle variants.	25	30	Lever operated jet only or rotary operated jet/spray	1038Ba/06
Pulsor 1930A	Automatic, swinging arm, cabinet or wall mounted, lever and rotary operated nozzle variants.	19	30	Lever operated jet only or rotary operated jet/spray	1038Ba/07
Pulsor 2530A	Automatic, swinging arm, cabinet or wall mounted, lever and rotary operated nozzle variants.	25	30	Lever operated jet only or rotary operated jet/spray	1038Ba/08

Flamex Fire & Safety Equip

Office No. 11, 4th Industrial Road, Sharjah Industrial Area No. 12, P.O.Box 28817, Sharjah, United Arab Emirates

Tel: +971 6 5442033 • Fax: +971 6 5442032

E-mail: flamex@eim.ae • Website: <http://www.flamexperts.com>

Certificate No: 1153Ba to EN 671-1:2012

SAVER Fire Hose Reels

Product Name	Description	Hose Nominal Bore (mm)	Hose Maximum Length (m)	Nozzle type	LPCB Ref. No.
KX06-172-00	Automatic, swinging arm, wall mounted	25	30	Lever operated jet/spray	1153Ba/01
KX06-173-00	Manual, fixed, wall mounted	25	30	Lever operated jet/spray	1153Ba/02
KX06-172A-00	Automatic, swinging arm, wall mounted	19	30	Lever operated jet/spray	1153Ba/03
KX06-173A-00	Manual, fixed, wall mounted	19	30	Lever operated jet/spray	1153Ba/04
KX06-173B-00	Manual, swinging arm, wall mounted	25	30	Rotary operated jet/spray	1153Ba/05
KX06-173C-00	Manual, swinging arm, wall mounted	19	30	Rotary operated jet/spray	1153Ba/06
KX06-216A-00	Manual, fixed, wall mounted	19	30	Rotary operated jet/spray	1153Ba/07
KX06-216-00	Manual, fixed, wall mounted	25	30	Rotary operated jet/spray	1153Ba/08

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FIRE HOSE REELS

Product Name	Description	Hose Nominal Bore (mm)	Hose Maximum Length (m)	Nozzle type	LPCB Ref. No.
KX06-217A-00	Manual, swinging arm, wall mounted	19	30	Rotary operated jet/spray	1153Ba/09
KX06-217-00	Manual, swinging arm, wall mounted	25	30	Rotary operated jet/spray	1153Ba/10
KX06-218A-00	Automatic, swinging arm, wall mounted	19	30	Rotary operated jet/spray	1153Ba/11
KX06-218-00	Automatic, swinging arm, wall mounted	25	30	Rotary operated jet/spray	1153Ba/12

Fullblaze Middle East

Zarqa Free Zone, New Expansionist Area, P.O.Box 922054, Amman 11192, Jordan

Tel: +962 6 489 3373 • Fax: +962 6 489 3372

E-mail: info@fullblaze-me.com • Website: www.fullblaze-me.com

Certificate No: 1092Ed to EN 671-1:2012

Fullblaze Fire Hose Reels

Product Name	Description	Hose Nominal Bore (mm)	Hose Maximum Length (m)	Nozzle type	LPCB Ref. No.
FB-SA19	Swinging, automatic, wall mounted, rotary operated nozzle	19	30	Rotary operated spray	1092Ed/03
FB-SM19	Swinging, manual, wall mounted, rotary operated nozzle	19	30	Rotary operated spray	1092Ed/04
FB-SA25	Swinging, automatic, wall mounted, rotary operated nozzle	25	30	Rotary operated spray	1092Ed/07
FB-SM25	Swinging, manual, wall mounted, rotary operated nozzle	25	30	Rotary operated spray	1092Ed/08

Global Factory For Production of Fire Fighting Equipment

P.O. Box 1236, Doha, Qatar

Tel: +974 44427171 • Fax: +974 44442443

E-mail: info@security-qatar.com • Website: www.security-qatar.com

Certificate No: 1127Ba to EN 671-1:2012

'GF' Fire Hose Reels

Product Name	Description	Hose Nominal Bore (mm)	Hose Maximum Length (m)	Nozzle type	LPCB Ref. No.
QD/HR/A25	Automatic, swinging arm, wall mounted	25	30	Rotary operated jet/spray	1127Ba/01
QD/HR/M25	Manual, swinging arm, wall mounted	25	30	Rotary operated jet/spray	1127Ba/02
QD/HR/A19	Automatic, swinging arm, wall mounted	19	30	Rotary operated jet/spray	1127Ba/04
QD/HR/M19	Manual, swinging arm, wall mounted	19	30	Rotary operated jet/spray	1127Ba/05

PART 2: SECTION 3

FIRE HOSE REELS

Gulf Fire & Safety Equipment FZC

P.O. Box 50351, Rak Free Zone Industrial Park, Ras Al Khaimah, United Arab Emirates

Tel: +974 40296712 • Fax: +974 44685331

E-mail: info@gulffiresafety.com • Website: www.gulffiresafety.com

Certificate No: 1092Gd to EN 671-1:2012

GFIRE Fire Hose Reels

Product Name	Description	Hose Nominal Bore (mm)	Hose Maximum Length (m)	Nozzle type	LPCB Ref. No.
GF-FA19	Fixed, automatic, wall mounted	19	30	Rotary operated spray	1092Gd/01
GF-FM19	Fixed, manual, wall mounted	19	30	Rotary operated spray	1092Gd/02
GF-SA19	Swinging, automatic, wall mounted	19	30	Rotary operated spray	1092Gd/03
GF-SM19	Swinging, manual, wall mounted	19	30	Rotary operated spray	1092Gd/04
GF-FA25	Fixed, automatic, wall mounted	25	30	Rotary operated spray	1092Gd/05
GF-FM25	Fixed, manual, wall mounted	25	30	Rotary operated spray	1092Gd/06
GF-SA25	Swinging, automatic, wall mounted	25	30	Rotary operated spray	1092Gd/07
GF-SM25	Swinging, manual, wall mounted	25	30	Rotary operated spray	1092Gd/08

Intelligent Safety & Security Technology Ltd.

Fourth Floor, 30 - 31 Furnival Street, London EC4A 1JQ, United Kingdom

Tel: +44 845 116 2945 • Fax:

E-mail: info@isst-uk.com • Website: www.isst-uk.com

Certificate No: 1038Ja to BS EN 671-1

Fire Hose Reels

Product Name	Description	Hose nominal bore (mm)	Hose maximum length (m)	Nozzle type	LPCB Ref. No.
HRM-01	Manual, swinging arm, cabinet or wall mounted, lever and rotary operated nozzle variants	19	30	Lever operated jet only or rotary operated jet/spray	1038Ja/01
HRM-02	Manual, swinging arm, cabinet or wall mounted, lever and rotary operated nozzle variants	25	30	Lever operated jet only or rotary operated jet/spray	1038Ja/02
HRA-01	Automatic, swinging arm, cabinet or wall mounted, lever and rotary operated nozzle variants	19	30	Lever operated jet only or rotary operated jet/spray	1038Ja/03
HRA-02	Automatic, swinging arm, cabinet or wall mounted, lever and rotary operated nozzle variants	25	30	Lever operated jet only or rotary operated jet/spray	1038Ja/04

Jordan Experts Fire Fighting Equipment Manufacturers (JOFFEX)

P.O Box 950299, Zarqa Free Zone, Zarqa City 11195, Jordan

Tel: +962 5382 5550 • Fax: +962 5382 5559

E-mail: sales@joffex.com • Website: www.joffex.com

Certificate No: 1038Ua to EN 671-1:2012

JOFFEX Fire Hose Reels

Product Name	Description	Hose Nominal Bore (mm)	Hose Maximum Length (m)	Nozzle type	LPCB Ref. No.
JXR-1	Manual, swinging arm, cabinet or wall mounted	25	30	Lever operated jet only or rotary operated jet/spray	1038Ua/02

Lingjack Engineering Works PTE Ltd

No. 1 Woodlands Terrace, #03-01 Lingjack Industrial Building 738471, Singapore

Tel: +65 6759 4163 • Fax: +65 6758 7513

E-mail: combat@lingjack.com • Website: www.combat.com.sg

Certificate No: 501b to BS EN 671-1

'Combat' Fire Hose Reels

Product Name	Hose nominal bore (mm)	Hose maximum length (m)	Nozzle Type	LPCB Ref. No.
'Combat' model HR-19AS automatic swinging slim hose reel	19	30	Jet	501b/03
'Combat' model HR-1AF automatic fixed slim hose reel	25	30	Jet	501b/04
'Combat' model HR-1AS automatic swinging slim hose reel	25	30	Jet	501b/05
'Combat' model HR-1ASF automatic fixed super slim hose reel	25	30	Jet	501b/06
'Combat' model AHR-1SW automatic universal swinging hose reel	25	30	Jet	501b/02
'Combat' model HR-1MF manual fixed slim hose reel	25	30	Jet	501b/07
'Combat' model HR-1MS manual swinging slim hose reel	25	30	Jet	501b/08
'Combat' model HR-1MSF manual fixed super slim hose reel	25	30	Jet	501b/09
'Combat' model HR-1SSW manual swinging slim hose reel	25	30	Jet	501b/10
'Combat' model HR-1SW manual swinging hose reel	25	30	Jet	501b/01
'Combat' model HR-1SWS manual swinging hose reel	25	30	Jet	501b/11
'Combat' model HR0287 manual, titanium valve, stainless steel drum and swing arm hose reel	25	30	Jet, spray	501b/12
'Combat' model HR0288 manual, titanium valve, stainless steel drum and swing arm hose reel	33	30	Jet, spray	501b/13
'Combat' model HR0279 manual, bronze valve, stainless steel drum and swing arm hose reel	25	30	Jet, spray	501b/14
'Combat' model HR0281 manual, bronze valve, stainless steel drum and swing arm hose reel	33	30	Jet, spray	501b/15
'Combat' model HR0278 manual, bronze valve, mild steel drum and swing arm hose reel	25	30	Jet, spray	501b/16
'Combat' model HR0280 manual, bronze valve, mild steel drum and swing arm hose reel	33	30	Jet, spray	501b/17

Certificate No: 501b to BS EN 671-1

'Q Fire' Fire Hose Reels

Product Name	Hose nominal bore (mm)	Hose maximum length (m)	Nozzle Type	LPCB Ref. No.
'Q Fire' model QF-19AS automatic swinging slim hose reel	19	30	Jet	501b/03
'Q Fire' model QF-1AF automatic fixed slim hose reel	25	30	Jet	501b/04
'Q Fire' model QF-1AS automatic swinging slim hose reel	25	30	Jet	501b/05
'Q Fire' model QF-1ASF automatic fixed super slim hose reel	25	30	Jet	501b/06

PART 2: SECTION 3

FIRE HOSE REELS

Product Name	Hose nominal bore (mm)	Hose maximum length (m)	Nozzle Type	LPCB Ref. No.
'Q Fire' model AQF-1SW automatic universal swinging hose reel	25	30	Jet	501b/02
'Q Fire' model QF-1MF manual fixed slim hose reel	25	30	Jet	501b/07
'Q Fire' model QF-1MS manual swinging slim hose reel	25	30	Jet	501b/08
'Q Fire' model QF-1MSF manual fixed super slim hose reel	25	30	Jet	501b/09
'Q Fire' model QF-1SSW manual swinging slim hose reel	25	30	Jet	501b/10
'Q Fire' model QF-1SW manual swinging hose reel	25	30	Jet	501b/01
'Q Fire' model QF-1SWS manual swinging hose reel	25	30	Jet	501b/11

Certificate No: 501b to BS EN 671-1

'Will' Fire Hose Reels

Product Name	Hose nominal bore (mm)	Hose maximum length (m)	Nozzle Type	LPCB Ref. No.
'Will' model WEN-19AS automatic swinging slim hose reel	19	30	Jet	501b/03
'Will' model WEN-1AF automatic fixed slim hose reel	25	30	Jet	501b/04
'Will' model WEN-1AS automatic swinging slim hose reel	25	30	Jet	501b/05
'Will' model WEN-1ASF automatic fixed super slim hose reel	25	30	Jet	501b/06
'Will' model WEN1-04 automatic universal swinging hose reel	25	30	Jet	501b/02
'Will' model WEN-1MF manual fixed slim hose reel	25	30	Jet	501b/07
'Will' model WEN-1MS manual swinging slim hose reel	25	30	Jet	501b/08
'Will' model WEN-1MSF manual fixed super slim hose reel	25	30	Jet	501b/09
'Will' model WEN-1SSW manual swinging slim hose reel	25	30	Jet	501b/10
'Will' model WEN-1SW manual swinging hose reel	25	30	Jet	501b/01
'Will' model WEN-1SWS manual swinging hose reel	25	30	Jet	501b/11

MOBIAK S.A.

96-98 M. Mpotsari St, Chania, Crete 73136, Greece

Tel: +30 282 10 63222 • Fax: +30 282 10 66260

E-mail: sales@mobiak.gr • Website: <http://www.mobiak.gr>

Certificate No: 1038Sa to EN 671-1

Fire Hose Reels

Product Name	Description	Hose Nominal Bore (mm)	Hose Maximum Length (m)	Nozzle type	LPCB Ref. No.
MBK14-SJR-08A	Manual, swinging arm, cabinet or wall mounted	19	30	Lever operated jet only or rotary operated jet/spray	1038Sa/01
MBK10-SJR-07B	Manual, swinging arm, cabinet or wall mounted	25	30	Lever operated jet only or rotary operated jet/spray	1038Sa/02
MBK14-SJR-10B	Automatic, swinging arm, cabinet or wall mounted	19	30	Lever operated jet only or rotary operated jet/spray	1038Sa/03
MBK10-SJR-06B	Automatic, swinging arm, cabinet or wall mounted	25	30	Lever operated jet only or rotary operated jet/spray	1038Sa/04
MBK10-SJR-01B	Manual, swinging arm, wall mounted	33	30	Rotary operated jet/spray	1038Sa/05
MBK10-SJR-02A	Manual, fixed, wall mounted	19	30	Lever operated jet only or rotary operated jet/spray	1038Sa/06
MBK10-SJR-02B	Manual, fixed, wall mounted	25	30	Lever operated jet only or rotary operated jet/spray	1038Sa/07
MBK14-SJR-12A	Manual, swinging pipe, cabinet or wall mounted	19	30	Lever operated jet only or rotary operated jet/spray	1038Sa/08
MBK14-SJR-13A	Automatic, swinging pipe, cabinet or wall mounted	19	30	Lever operated jet only or rotary operated jet/spray	1038Sa/09
MBK14-SJR-14A	Manual, swinging pipe, cabinet or wall mounted	25	30	Lever operated jet only or rotary operated jet/spray	1038Sa/10
MBK14-SJR-15A	Automatic, swinging pipe, cabinet or wall mounted	25	30	Lever operated jet only or rotary operated jet/spray	1038Sa/11
MBK14-SJR-01A	Manual, swinging arm, wall mounted	25	30	Lever operated jet only or rotary operated jet/spray	1038Sa/12

PART 2: SECTION 3

FIRE HOSE REELS

Product Name	Description	Hose Nominal Bore (mm)	Hose Maximum Length (m)	Nozzle type	LPCB Ref. No.
MBK10-SJR-04A	Manual, swinging pipe, cabinet or wall mounted	19	30	Lever operated jet only or rotary operated jet/spray	1038Sa/13
MBK14-SJR-04B	Manual, swinging pipe, cabinet or wall mounted	25	30	Lever operated jet only or rotary operated jet/spray	1038Sa/14

Certificate No: 1038Ac to EN 671-1:2012

'Altech' Fire Hose Reels

Product Name	Description	Hose Nominal Bore (mm)	Hose Maximum Length (m)	Nozzle type	LPCB Ref. No.
MBK15-25BD	Manual, swinging door, cabinet mounted	19	25	Rotary operated jet/spray	1038Ac/01
NRF-9202501					
MBK15-30BD	Manual, swinging door, cabinet mounted	19	30	Rotary operated jet/spray	
NRF-9202502					

Monsher Fire Protection Systems (P) Ltd.

403 Tantia Jogani Estate, Off N.M Joshi Road, Lower Parel (East), Mumbai 400011, India

Tel: +91 22 4051 2000 • Fax: +91 22 4051 2025

E-mail: info@monsher.com • Website: www.monsher.com

Certificate No: 1038Pa to EN 671-1

Fire Hose Reels

Product Name	Description	Hose Nominal Bore (mm)	Hose Maximum Length (m)	Nozzle type	LPCB Ref. No.
BF-MS-003	Manual, swinging arm, cabinet or wall mounted	19	30	Lever operated jet only or rotary operated jet/spray	1038Pa/01

NAFFCO FZ Co

PO Box 17014, Jebel Ali, Dubai, United Arab Emirates

Tel: +971 4815111 • Fax: +971 48151222

E-mail: natfire@emirates.net.ae • Website: www.naffco.com

Certificate No: 463d to EN 671-1

Fire Hose Reels

Product Name	Description	Hose Nominal Bore (mm)	Hose Maximum Length (m)	Nozzle Type	LPCB Ref. No.
19HFH-020A	swinging arm, automatic, plastic rotary nozzle, mild steel reels	19	30	jet/spray	463d/01
19HFH-020AB	swinging arm, automatic, brass rotary nozzle, mild steel reels	19	30	jet/spray	463d/15
19HFH-020A/SS	swinging arm, automatic, plastic rotary nozzle, stainless steel reels	19	30	jet/spray	463d/16
19HFH-020A/SS-B	swinging arm, automatic, brass rotary nozzle, stainless steel reels	19	30	jet/spray	463d/17
19HFH-030A	swinging pipe, automatic, plastic rotary nozzle, mild steel reels	19	30	jet/spray	463d/02
19HFH-030AB	swinging pipe, automatic, brass rotary nozzle, mild steel reels	19	30	jet/spray	463d/18
19HFH-030A/SS	swinging pipe, automatic, plastic rotary nozzle, stainless steel reels	19	30	jet/spray	463d/19
19HFH-030A/SS-B	swinging pipe, automatic, brass rotary nozzle, stainless steel reels	19	30	jet/spray	463d/20

PART 2: SECTION 3

FIRE HOSE REELS

Product Name	Description	Hose Nominal Bore (mm)	Hose Maximum Length (m)	Nozzle Type	LPCB Ref. No.
19HFH-040A	fixed, automatic, plastic rotary nozzle, mild steel reels	19	30	jet/spray	463d/03
19HFH-040AB	fixed, automatic, brass rotary nozzle, mild steel reels	19	30	jet/spray	463d/21
19HFH-040A/SS	fixed, automatic, plastic rotary nozzle, stainless steel reels	19	30	jet/spray	463d/22
19HFH-040A/SS-B	fixed, automatic, brass rotary nozzle, stainless steel reels	19	30	jet/spray	463d/23
19HFH-020M	swinging arm, manual, plastic rotary nozzle, mild steel reels	19	30	jet/spray	463d/04
19HFH-020MB	swinging arm, manual, brass rotary nozzle, mild steel reels	19	30	jet/spray	463d/24
19HFH-020M/SS	swinging arm, manual, plastic rotary nozzle, stainless steel reels	19	30	jet/spray	463d/25
19HFH-020M/SS-B	swinging arm, manual, brass rotary nozzle, stainless steel reels	19	30	jet/spray	463d/26
19HFH-030M	swinging pipe, manual, plastic rotary nozzle, mild steel reels	19	30	jet/spray	463d/05
19HFH-030MB	swinging pipe, manual, brass rotary nozzle, mild steel reels	19	30	jet/spray	463d/27
19HFH-030M/SS	swinging pipe, manual, plastic rotary nozzle, stainless steel reels	19	30	jet/spray	463d/28
19HFH-030M/SS-B	swinging pipe, manual, brass rotary nozzle, stainless steel reels	19	30	jet/spray	463d/29
19HFH-040M	fixed, manual, plastic rotary nozzle, mild steel reels	19	30	jet/spray	463d/06
19HFH-040MB	fixed, manual, brass rotary nozzle, mild steel reels	19	30	jet/spray	463d/30
19HFH-040M/SS	fixed, manual, plastic rotary nozzle, stainless steel reels	19	30	jet/spray	463d/31
19HFH-040M/SS-B	fixed, manual, brass rotary nozzle, stainless steel reels	19	30	jet/spray	463d/32
25HFH-020A	swinging arm, automatic, plastic rotary nozzle, mild steel reels	25	30	jet/spray	463d/07
25HFH-020AB	swinging arm, automatic, brass rotary nozzle, mild steel reels	25	30	jet/spray	463d/33
25HFH-020A/SS	swinging arm, automatic, plastic rotary nozzle, stainless steel reels	25	30	jet/spray	463d/34
25HFH-020A/SS-B	swinging arm, automatic, brass rotary nozzle, stainless steel reels	25	30	jet/spray	463d/35
25HFH-030A	swinging pipe, automatic, plastic rotary nozzle, mild steel reels	25	30	jet/spray	463d/08
25HFH-030AB	swinging pipe, automatic, brass rotary nozzle, mild steel reels	25	30	jet/spray	463d/36
25HFH-030A/SS	swinging pipe, automatic, plastic rotary nozzle, stainless steel reels	25	30	jet/spray	463d/37
25HFH-030A/SS-B	swinging pipe, automatic, brass rotary nozzle, stainless steel reels	25	30	jet/spray	463d/38
25HFH-040A	fixed, automatic, plastic rotary nozzle, mild steel reels	25	30	jet/spray	463d/09
25HFH-040AB	fixed, automatic, brass rotary nozzle, mild steel reels	25	30	jet/spray	463d/39
25HFH-040A/SS	fixed, automatic, plastic rotary nozzle, stainless steel reels	25	30	jet/spray	463d/40
25HFH-040A/SS-B	fixed, automatic, brass rotary nozzle, stainless steel reels	25	30	jet/spray	463d/41
25HFH-020M	swinging arm, manual, plastic rotary nozzle, mild steel reels	25	30	jet/spray	463d/10
25HFH-020MB	swinging arm, manual, brass rotary nozzle, mild steel reels	25	30	jet/spray	463d/42
25HFH-020M/SS	swinging arm, manual, plastic rotary nozzle, stainless steel reels	25	30	jet/spray	463d/43
25HFH-020M/SS-B	swinging arm, manual, brass rotary nozzle, stainless steel reels	25	30	jet/spray	463d/44
25HFH-030M	swinging pipe, manual, plastic rotary nozzle, mild steel reels	25	30	jet/spray	463d/11
25HFH-030MB	swinging pipe, manual, brass rotary nozzle, mild steel reels	25	30	jet/spray	463d/45
25HFH-030M/SS	swinging pipe, manual, plastic rotary nozzle, stainless steel reels	25	30	jet/spray	463d/46

PART 2: SECTION 3**FIRE HOSE REELS**

Product Name	Description	Hose Nominal Bore (mm)	Hose Maximum Length (m)	Nozzle Type	LPCB Ref. No.
25HFH-030M/SS-B	swinging pipe, manual, brass rotary nozzle, stainless steel reels	25	30	jet/spray	463d/47
25HFH-040M	fixed, manual, plastic rotary nozzle, mild steel reels	25	30	jet/spray	463d/12
25HFH-040MB	fixed, manual, brass rotary nozzle, mild steel reels	25	30	jet/spray	463d/48
25HFH-040M/SS	fixed, manual, plastic rotary nozzle, stainless steel reels	25	30	jet/spray	463d/49
25HFH-040M/SS-B	fixed, manual, brass rotary nozzle, stainless steel reels	25	30	jet/spray	463d/50

Note:

Hose reels approved for use with NLSV-25 Lock Shield Valve to BS 5154

Certificate No: 463d to EN 671-1

Cabinets

Product Name	Description	LPCB Ref. No.
NF-SM-300	Single cabinet, surface mounted, mild steel, solid door.	463d/13
NF-RM-300	Single cabinet, recess mounted, mild steel, solid door.	
NF-SSB-300	Single cabinet, surface mounted, brush finish stainless steel, solid door.	463d/14
NF-SSM-300	Single cabinet, surface mounted, mirror finish stainless steel, solid door.	
NF-RSB-300	Single cabinet, recess mounted, brush finish stainless steel, solid door.	
NF-RSM-300	Single cabinet, recess mounted, mirror finish stainless steel, solid door.	
NF-SMK-300	Single cabinet, surface mounted, mild steel, solid door, break glass and key.	
NF-RMK-300	Single cabinet, recess mounted, mild steel, solid door, break glass and key.	
NF-SSBK-300	Single cabinet, surface mounted, brush finish stainless steel, solid door, break glass and key.	
NF-SSMK-300	Single cabinet, surface mounted, mirror finish stainless steel, solid door, break glass and key.	
NF-RSBK-300	Single cabinet, recess mounted, brush finish stainless steel, solid door, break glass and key.	
NF-RSMK-300	Single cabinet, recess mounted, mirror finish stainless steel, solid door, break glass and key.	
NF-SM-900	Double vertical cabinet, surface mounted, mild steel, solid door.	
NF-RM-900	Double vertical cabinet, recess mounted, mild steel, solid door.	
NF-SSB-900	Double vertical cabinet, recess mounted, mild steel, solid door.	
NF-SSM-900	Double vertical cabinet, surface mounted, mirror finish stainless steel, solid door.	
NF-RSB-900	Double vertical cabinet, recess mounted, brush finish stainless steel, solid door.	
NF-RSM-900	Double vertical cabinet, recess mounted, mirror finish stainless steel, solid door.	
NF-SMK-900	Double vertical cabinet, surface mounted, mild steel, solid door, break glass and key.	
NF-RMK-900	Double vertical cabinet, recess mounted, mild steel, solid door, break glass and key.	
NF-SSBK-900	Double vertical cabinet, surface mounted, brush finish stainless steel, solid door, break glass and key.	
NF-SSMK-900	Double vertical cabinet, surface mounted, mirror finish stainless steel, solid door, break glass and key.	
NF-RSBK-900	Double vertical cabinet, recess mounted, brush finish stainless steel, solid door, break glass and key.	
NF-RSMK-900	Double vertical cabinet, recess mounted, mirror finish stainless steel, solid door, break glass and key.	
NF-SMP-300	Single cabinet, surface mounted, mild steel, solid door, piano hinge.	463d/13
NF-RMP-300	Single cabinet, recess mounted, mild steel, solid door, piano hinge.	
NF-SMPK-300	Single cabinet, surface mounted, mild steel, solid door, piano hinge, break glass and key.	463d/14
NF-RMPK-300	Single cabinet, recess mounted, mild steel, solid door, piano hinge, break glass and key.	
NF-SMGK-900	Double vertical cabinet, surface mounted, mild steel, glass door, break glass and key.	
NF-RMGK-900	Double vertical cabinet, recess mounted, mild steel, glass door, break glass and key.	
NF-SSBGK-900	Double vertical cabinet, surface mounted, brush finish stainless steel, glass door, break glass and key.	
NF-SSMGK-900	Double vertical cabinet, surface mounted, mirror finish stainless steel, glass door, break glass and key.	
NF-RSBGK-900	Double vertical cabinet, recess mounted, brush finish stainless steel, glass door, break glass and key.	
NF-RSMGK-900	Double vertical cabinet, recess mounted, mirror finish stainless steel, glass door, break glass and key.	
NF-SMP-900	Double vertical cabinet, surface mounted, mild steel, solid door, piano hinge.	463d/14
NF-RMP-900	Double vertical cabinet, recess mounted, mild steel, solid door, piano hinge.	
NF-SMG-900	Double vertical cabinet, surface mounted, mild steel, glass door, piano hinge.	
NF-RMG-900	Double vertical cabinet, recess mounted, mild steel, glass door, piano hinge.	
NF-SSBG-900	Double vertical cabinet, surface mounted, brush finish stainless steel, glass door, piano hinge.	

PART 2: SECTION 3

FIRE HOSE REELS

Product Name	Description	LPCB Ref. No.
NF-SSMG-900	Double vertical cabinet, surface mounted, mirror finish stainless steel, glass door, piano hinge.	
NF-RSBG-900	Double vertical cabinet, recess mounted, brush finish stainless steel, glass door, piano hinge.	
NF-RSMG-900	Double vertical cabinet, recess mounted, mirror finish stainless steel, glass door, piano hinge.	
NF-SMPK-900	Double vertical cabinet, surface mounted, mild steel, solid door, piano hinge, break glass and key.	
NF-RMPK-900	Double vertical cabinet, recess mounted, mild steel, solid door, piano hinge, break glass and key.	
NF-SMGP-900	Double vertical cabinet, surface mounted, mild steel, glass door, piano hinge.	
NF-RMGP-900	Double vertical cabinet, recess mounted, mild steel, glass door, piano hinge.	
NF-SMGPK-900	Double vertical cabinet, surface mounted, mild steel, glass door, piano hinge, break glass and key.	
NF-RMGPK-900	Double vertical cabinet, recess mounted, mild steel, glass door, piano hinge, break glass and key.	

National Factory for Security & Safety Equipment LLC

P.O.Box 129, Road No. 19, Ind. Estate, Al Rusayl PC 124, Sultanate of Oman

Tel: +968 2444 6268 • Fax: +968 2444 6227

E-mail: sales@amancoglobal.com • Website: www.amancoglobal.com

Certificate No: 1038Qa to EN 671-1

Amanco Fire Hose Reels

Product Name	Description	Hose Nominal Bore (mm)	Hose Maximum Length (m)	Nozzle type	LPCB Ref. No.
AFHR-21	Automatic, swinging arm, cabinet or wall mounted	19	30	Lever operated jet only or rotary operated jet/spray	1038Qa/03
AFHR-19	Automatic, swinging arm, cabinet or wall mounted	25	30	Lever operated jet only or rotary operated jet/spray	1038Qa/04

Ningbo Jintian Fire Fighting Industrial Co., Ltd.

Wu Che Yan, Yuyao City, Zhejiang Province, China

Tel: +86 574 62025710 • Fax: +86 574 62025711

E-mail: info@jintianfire.com • Website: www.jintianfire.com

Certificate No: 1153a to BS EN 671-1

Product Name	Description	Hose nominal bore (mm)	Hose maximum length (m)	Nozzle type	LPCB Ref. No.
KX06-172-00	Automatic, swinging arm, wall mounted	25	30	Rotary operated jet/spray	1153a/01
KX06-173-00	Manual, fixed, wall mounted	25	30	Rotary operated jet/spray	1153a/02
KX06-172A-00	Automatic, swinging arm, wall mounted	19	30	Rotary operated jet/spray	1153a/03
KX06-173A-00	Manual, fixed, wall mounted	19	30	Rotary operated jet/spray	1153a/04
KX06-173B-00	Manual, swinging arm, wall mounted	25	30	Rotary operated jet/spray	1153a/05
KX06-173C-00	Manual, swinging arm, wall mounted	19	30	Rotary operated jet/spray	1153a/06
KX06-216A-00	Manual, fixed, wall mounted	19	30	Rotary operated jet/spray	1153a/07
KX06-216-00	Manual, fixed, wall mounted	25	30	Rotary operated jet/spray	1153a/08
KX06-217A-00	Manual, swinging arm, wall mounted	19	30	Rotary operated jet/spray	1153a/09
KX06-217-00	Manual, swinging arm, wall mounted	25	30	Rotary operated jet/spray	1153a/10
KX06-218A-00	Automatic, swinging arm, wall mounted	19	30	Rotary operated jet/spray	1153a/11

PART 2: SECTION 3**FIRE HOSE REELS**

Product Name	Description	Hose nominal bore (mm)	Hose maximum length (m)	Nozzle type	LPCB Ref. No.
KX06-218-00	Automatic, swinging arm, wall mounted	25	30	Rotary operated jet/spray	1153a/12

NOHA Norway AS

Lagerveien 25, 4033 Stavanger, Norway
 Tel: +47 51 81 60 00 • Fax: +47 51 81 60 01
 E-mail: sales@noha.no • Website: www.noha.no

Certificate No: 1038Ta to EN 671-1:2012

Fire Hose Reels

Product Name	Description	Hose Nominal Bore (mm)	Hose Maximum Length (m)	Nozzle type	LPCB Ref. No.
2SW-C 19/30	Manual, swinging arm, cabinet or wall mounted	19	30	Lever operated jet only or rotary operated jet/spray	1038Ta/01
2SW-C 25/30	Manual, swinging arm, cabinet or wall mounted	25	30	Lever operated jet only or rotary operated jet/spray	1038Ta/02
2SWA-C 19/30	Automatic, swinging arm, cabinet or wall mounted	19	30	Lever operated jet only or rotary operated jet/spray	1038Ta/03
2SWA-C 25/30	Automatic, swinging arm, cabinet or wall mounted	25	30	Lever operated jet only or rotary operated jet/spray	1038Ta/04

NORD PROTECTION SARL

2 et 4 Boulevard Al Imam Allait Ibn Asaad, El Qods, Sidi Bernoussi, Casablanca 20610, Morocco
 Tel: +212 522 76 52 40 • Fax: +212 522 76 52 44
 E-mail: contact@nordprotection.ma • Website: www.nordprotection.ma

Certificate No: 1038Ya to EN 671-1:2012

NP Fire Hose Reels

Product Name	Description	Hose Nominal Bore (mm)	Hose Maximum Length (m)	Nozzle type	LPCB Ref. No.
NP002C	Manual, swinging arm, cabinet or wall mounted	25	30	Lever operated jet only or rotary operated jet/spray	1038Ya/02
NP001	Manual, swinging arm, wall mounted	33	30	Rotary operated jet/spray	1038Ya/05
NP002	Manual, swinging pipe, cabinet or wall mounted	25	30	Lever operated jet only or rotary operated jet/spray	1038Ya/10
NP002A	Manual, swinging arm, wall mounted	25	30	Lever operated jet only or rotary operated jet/spray	1038Ya/12
NP002B	Manual, swinging pipe, cabinet or wall mounted	25	30	Lever operated jet only or rotary operated jet/spray	1038Ya/14

Power Saints Ltd.

Tianhua Industrial District, Langxia Street Scene, Yuyao City, Zhejiang 315480, China
 Tel: 0086 (0)571 85772095 • Fax: 0086 (0)571 85772094
 E-mail: jose@powersaints.com • Website: www.saintsea.com

Certificate No: 1127a to BS EN 671-1

PART 2: SECTION 3

FIRE HOSE REELS

'Krone' Fire Hose Reels

Product Name	Description	Hose nominal bore (mm)	Hose maximum length (m)	Nozzle type	LPCB Ref. No.
SA10-314D-03S	Automatic, swinging arm, wall mounted, rotary operated nozzle	25	30	Rotary operated jet/spray	1127a/01
SA10-314D-02S	Manual, swinging arm, wall mounted, rotary operated nozzle	25	30	Rotary operated jet/spray	1127a/02
SA10-314D-14F	Manual, fixed, wall mounted, rotary operated nozzle	25	30	Rotary operated jet/spray	1127a/03
SA10-304D-03S	Automatic, swinging arm, wall mounted, rotary operated nozzle	19	30	Rotary operated jet/spray	1127a/04
SA10-304D-02S	Manual, swinging arm, wall mounted, rotary operated nozzle	19	30	Rotary operated jet/spray	1127a/05
SA10-304D-14F	Manual, fixed, wall mounted, rotary operated nozzle	19	30	Rotary operated jet/spray	1127a/06
PSHR3330SF	Manual, swinging arm, pillar or wall mounted	33	30	Rotary operated jet/spray or lever operated jet/spray	1127a/07

Rapidrop Global Limited

Rutland Business Park, Newark Road, Peterborough PE1 5WA, United Kingdom

Tel: +44 (0)1733 847 510 • Fax: +44 (0)1733 553 958

E-mail: rapidrop@rapidrop.com • Website: www.rapidrop.com

Certificate No: 566g to EN 671-1:2012

'Rapidrop' Fire Hose Reels

Product Name	Description	Hose nominal bore (mm)	Hose maximum length (m)	Nozzle type	LPCB Ref. No.
Fig401	Manual, swinging arm, cabinet or wall mounted	19	30	Lever operated jet only or rotary operated jet/spray	566g/01
Fig402	Manual, swinging arm, cabinet or wall mounted	25	30	Lever operated jet only or rotary operated jet/spray	566g/02
Fig403	Automatic, swinging arm, cabinet or wall mounted	19	30	Lever operated jet only or rotary operated jet/spray	566g/03
Fig404	Automatic, swinging arm, cabinet or wall mounted	25	30	Lever operated jet only or rotary operated jet/spray	566g/04
Fig405	Manual, swinging arm, wall mounted	33	30	Rotary operated jet/spray	566g/05

Ras Al Khaimah Fire Fighting Equipment Factory Fire King L.L.C

Wiz 07/12 Rakia Warehouse, Industrial Zone, Al Jazeera Al Hamra, Ras Al Khaimah, United Arab Emirates

Tel: +97172437050 • Fax: +97172437040

E-mail: info@fireking.ae • Website: www.fireking.ae

Certificate No: 1092Fd to EN 671-1

FIRE KING Fire Hose Reels

Product Name	Description	Hose Nominal Bore (mm)	Hose Maximum Length (m)	Nozzle type	LPCB Ref. No.
FKSA19	Swinging, automatic, wall mounted	19	30	Rotary operated spray	1092Fd/03
FKSM19	Swinging, manual, wall mounted	19	30	Rotary operated spray	1092Fd/04
FKSA25	Swinging, automatic, wall mounted	25	30	Rotary operated spray	1092Fd/07
FKSM25	Swinging, manual, wall mounted	25	30	Rotary operated spray	1092Fd/08

Sanal Srl

Viale Emilia 23, Catanzaro 88100, Italy

Tel: +39 0961 62404 • Fax: +39 0961 62404

E-mail: info@sanalitalia.com • Website: <http://www.sanalitalia.com/>

Certificate No: 1038Va to EN 671-1

S&L Fire Hose Reels

Product Name	Description	Hose Nominal Bore (mm)	Hose Maximum Length (m)	Nozzle type	LPCB Ref. No.
SNL30M-A	Manual, swinging arm, cabinet or wall mounted	25	30	Lever operated jet only or rotary operated jet/spray	1038Va/02
SNL-10-B	Automatic, swinging arm, cabinet or wall mounted	19	30	Lever operated jet only or rotary operated jet/spray	1038Va/03
SNL-06-B	Automatic, swinging arm, cabinet or wall mounted	25	30	Lever operated jet only or rotary operated jet/spray	1038Va/04

Sentura Group (incl. FireDepot & EasiLume)

Sentura House, 3 Lands End Way, Oakham, Rutland LE15 6RB, United Kingdom

Tel: +44 (0)330 999 22 33 • Fax: +44 (0)1572 770133

E-mail: sales@firedepot.co.uk • Website: www.firedepot.co.uk

Certificate No: 1093d to EN 671-1:2012

FIRECHIEF REELMAX Fire Hose Reels

Product Name	Description	Hose Nominal Bore (mm)	Hose Maximum Length (m)	Nozzle type	LPCB Ref. No.
RMFA19	Fixed, automatic, wall mounted	19	30	Rotary operated spray	1093d/01
RMFM19	Fixed, manual, wall mounted	19	30	Rotary operated spray	1093d/02
RMSA19	Swinging, automatic, wall mounted	19	30	Rotary operated spray	1093d/03
RMSM19	Swinging, manual, wall mounted	19	30	Rotary operated spray	1093d/04
RMFA25	Fixed, automatic, wall mounted	25	30	Rotary operated spray	1093d/05
RMFM25	Fixed, manual, wall mounted	25	30	Rotary operated spray	1093d/06
RMSA25	Swinging, automatic, wall mounted	25	30	Rotary operated spray	1093d/07
RMSM25	Swinging, manual, wall mounted	25	30	Rotary operated spray	1093d/08

Shanghai Huiying Industry Co Ltd

Room 1313, Tower A, 1088 New Jinqiao Road, 201206, Shanghai, China

Tel: +86 21 61681700 • Fax: +86 21 61681701

E-mail: sales@pike-fire.com • Website: www.pike-fire.com

Certificate No: 1038Fa to BS EN 671-1

Product Name	Description	Hose nominal bore (mm)	Hose maximum length (mm)	Nozzle type	LPCB Ref. No.
PKHR-001	Manual, swinging arm, cabinet or wall mounted, lever and rotary operated nozzle variants.	19	30	Lever operated jet only or rotary operated jet/spray	1038Fa/01

PART 2: SECTION 3

FIRE HOSE REELS

Product Name	Description	Hose nominal bore (mm)	Hose maximum length (mm)	Nozzle type	LPCB Ref. No.
PKHR-002	Manual, swinging arm, cabinet or wall mounted, lever and rotary operated nozzle variants.	25	30	Lever operated jet only or rotary operated jet/spray	1038Fa/02
PKHR-003	Automatic, swinging arm, cabinet or wall mounted, lever and rotary operated nozzle variants.	19	30	Lever operated jet only or rotary operated jet/spray	1038Fa/03
PKHR-004	Automatic, swinging arm, cabinet or wall mounted, lever and rotary operated nozzle variants	25	30	Lever operated jet only or rotary operated jet/spray	1038Fa/04

Certificate No: 1038Na to BS EN 671-1

Product Name	Description	Hose nominal bore (mm)	Hose maximum length (m)	Nozzle type	LPCB Ref. No.
MOSHR-07	Manual, swinging arm, cabinet or wall mounted, lever and rotary operated nozzle variants.	25	30	Lever operated jet only or rotary operated jet/spray	1038Na/02
MOSHR-06	Automatic, swinging arm, cabinet or wall mounted, lever and rotary operated nozzle variants.	25	30	Lever operated jet only or rotary operated jet/spray	1038Na/04

Note:

Fire hose reels prefixed MOSHR are branded 'MOSAFE'

Shanghai Iron Man Fire Fighting Equipment Co., Ltd.

Room 716, 7F No. 100, Xiuyan Road, Shanghai 201315, China

Tel: +86-21-68062016 • Fax: +86-21-68062016-307

E-mail: sales@ironman-safety.com • Website: www.firefightingtool.com

Certificate No: 1038AFa to EN 671-1:2012

'IMSECUR' Fire Hose Reels

Product Name	Description	Hose Nominal Bore (mm)	Hose Maximum Length (m)	Nozzle type	LPCB Ref. No.
IMHR-08-A	Manual, swinging arm, cabinet or wall mounted	19	30	Lever operated jet only or rotary operated jet/spray	1038AFa/01
IMHR-07-B	Manual, swinging arm, cabinet or wall mounted	25	30	Lever operated jet only or rotary operated jet/spray	1038AFa/02
IMHR-10-B	Automatic, swinging arm, cabinet or wall mounted	19	30	Lever operated jet only or rotary operated jet/spray	1038AFa/03
IMHR-06-B	Automatic, swinging arm, cabinet or wall mounted	25	30	Lever operated jet only or rotary operated jet/spray	1038AFa/04
IMHR-01-B	Manual, swinging arm, wall mounted	33	30	Rotary operated jet/spray	1038AFa/05
IMHR-02-A	Manual, fixed, wall mounted	19	30	Lever operated jet only or rotary operated jet/spray	1038AFa/06
IMHR-02-B	Manual, fixed, wall mounted	25	30	Lever operated jet only or rotary operated jet/spray	1038AFa/07
IMHR-12-A	Manual, swinging pipe, cabinet or wall mounted	19	30	Lever operated jet only or rotary operated jet/spray	1038AFa/08
IMHR-13-A	Automatic, swinging pipe, cabinet or wall mounted	19	30	Lever operated jet only or rotary operated jet/spray	1038AFa/09
IMHR-14-A	Manual, swinging pipe, cabinet or wall mounted	25	30	Lever operated jet only or rotary operated jet/spray	1038AFa/10
IMHR-15-A	Automatic, swinging pipe, cabinet or wall mounted	25	30	Lever operated jet only or rotary operated jet/spray	1038AFa/11
IMHR-01-A	Manual, swinging arm, wall mounted	25	30	Lever operated jet only or rotary operated jet/spray	1038AFa/12

PART 2: SECTION 3**FIRE HOSE REELS**

Product Name	Description	Hose Nominal Bore (mm)	Hose Maximum Length (m)	Nozzle type	LPCB Ref. No.
IMHR-04-A	Manual, swinging pipe, cabinet or wall mounted	19	30	Lever operated jet only or rotary operated jet/spray	1038AFa/13
IMHR-04-B	Manual, swinging pipe, cabinet or wall mounted	25	30	Lever operated jet only or rotary operated jet/spray	1038AFa/14

Somati FIE NV

Industrielaan 19a, B-9320 Erembodegem, Belgium

Tel: +32 (0)53 85 22 22 • Fax: +32 (0)53 85 22 21

E-mail: info@somatifie.be • Website: <http://www.somatifie.be/>

Certificate No: 1038Za to EN 671-1:2012

SANILITE Fire Hose Reels

Product Name	Description	Hose Nominal Bore (mm)	Hose Maximum Length (m)	Nozzle type	LPCB Ref. No.
SANILITE 20S	Manual, swinging arm, cabinet or wall mounted	19	30	Lever operated jet only or rotary operated jet/spray	1038Za/01
SANILITE 30S	Manual, swinging arm, cabinet or wall mounted	25	30	Lever operated jet only or rotary operated jet/spray	1038Za/02
SANILITE 20F	Manual, fixed, wall mounted	19	30	Lever operated jet only or rotary operated jet/spray	1038Za/06
SANILITE 30F	Manual, fixed, wall mounted	25	30	Lever operated jet only or rotary operated jet/spray	1038Za/07

Suzhou HLC Plastics Industry Co. Ltd

No. 103 Fengbeidang Road, Beiqiao Block, Xiangcheng District, Suzhou, China

Tel: +86 512 65366918 • Fax: +86 512 65360646

E-mail: info@suzhou-csj.com • Website: www.suzhou-csj.com

Certificate No: 1038a to EN 671-1

Fire hose reels

Product Name	Description	Hose nominal bore (mm)	Hose maximum length (m)	Nozzle type	LPCB Ref. No.
CSJR-08-A	Manual, swinging arm, cabinet or wall mounted	19	30	Lever operated jet only or rotary operated jet / spray	1038a/01
CSJR-07-B	Manual, swinging arm, cabinet or wall mounted	25	30	Lever operated jet only or rotary operated jet / spray	1038a/02
CSJR-10-B	Automatic, swinging arm, cabinet or wall mounted	19	30	Lever operated jet only or rotary operated jet / spray	1038a/03
CSJR-06-B	Automatic, swinging arm, cabinet or wall mounted	25	30	Lever operated jet only or rotary operated jet / spray	1038a/04
CSJR-01-B	Manual, swinging arm, wall mounted	33	30	Rotary operated jet/spray	1038a/05
CSJR-02-A	Manual, fixed, wall mounted	19	30	Lever operated jet only or rotary operated jet/spray	1038a/06
CSJR-02-B	Manual, fixed, wall mounted	25	30	Lever operated jet only or rotary operated jet/spray	1038a/07
CSJR-12-A	Manual, swinging pipe, cabinet or wall mounted	19	30	Lever operated jet only or rotary operated jet/spray	1038a/08
CSJR-13-A	Automatic, swinging pipe, cabinet or wall mounted	19	30	Lever operated jet only or rotary operated jet/spray	1038a/09
CSJR-14-A	Manual, swinging pipe, cabinet or wall mounted	25	30	Lever operated jet only or rotary operated jet/spray	1038a/10
CSJR-15-A	Automatic, swinging pipe, cabinet or wall mounted	25	30	Lever operated jet only or rotary operated jet/spray	1038a/11
CSJR-01-A	Manual, swinging arm, wall mounted	25	30	Lever operated jet only or rotary operated jet/spray	1038a/12

PART 2: SECTION 3

FIRE HOSE REELS

Product Name	Description	Hose nominal bore (mm)	Hose maximum length (m)	Nozzle type	LPCB Ref. No.
CSJR-04-A	Manual, swinging pipe, cabinet or wall mounted	19	30	Lever operated jet only or rotary operated jet/spray	1038a/13
CSJR-04-B	Manual, swinging pipe, cabinet or wall mounted	25	30	Lever operated jet only or rotary operated jet/spray	1038a/14

Certificate No: 1038a to EN 671-1

Fire Hose Reel Cabinets

Product Name	Description	LPCB Ref. No.
CSJC-01-B/C	Single glazed door, surface mounted hose reel cabinet	1038a/15
CSJC-02-B/C/D	Single door, surface mounted hose reel cabinet	
CSJC-04-A/B	Single glazed door, surface mounted hose reel cabinet	
CSJC-05-A/B/C/D	Single door, surface mounted hose reel cabinet	
CSJC-06-A/B/C/D	Single door, recessed hose reel cabinet	

Certificate No: 1038a to EN 671-1

Fire Hose Reel Cabinets

Product Name	Description	LPCB Ref. No.
CSJC-03-A/B	Double door, surface mounted hose reel cabinet	1038a/16
CSJC-09-A/B/C	Double door, surface mounted, vertical hose reel cabinet	
CSJC-10-A/B/C	Double door, recessed, vertical hose reel cabinet	

Certificate No: 1038c to EN 671-1:2012

Fire Hose Reel

Product Name	Description	Hose Nominal Bore (mm)	Hose Maximum Length (m)	Nozzle type	LPCB Ref. No.
MBK-1925F	Manual, swinging door, cabinet mounted	19	25	Rotary operated jet/spray	1038c/01
MBK-1930F	Manual, swinging door, cabinet mounted	19	30	Rotary operated jet/spray	

Tianbo & Mega Safety Ltd.

Baishuicong Industrial Park, Lianglong Town, Yuyao City, Zhejiang, China

Tel: +86-21-61602389 • Fax: +86-21-61602389 ext. 805

E-mail: enquiry@mega-safety.com • Website: www.mega-safety.com

Certificate No: 1092d to EN 671-1:2012

Product Name	Description	Hose nominal bore (mm)	Hose maximum length (m)	Nozzle type	LPCB Ref. No.
FA19	Fixed, automatic, wall mounted, rotary operated nozzle	19	30	Rotary operated spray	1092d/01
FM19	Fixed, manual, wall mounted, rotary operated nozzle	19	30	Rotary operated spray	1092d/02
SA19	Swinging, automatic, wall mounted, rotary operated nozzle	19	30	Rotary operated spray	1092d/03
SM19	Swinging, manual, wall mounted, rotary operated nozzle	19	30	Rotary operated spray	1092d/04
FA25	Fixed, automatic, wall mounted, rotary operated nozzle	25	30	Rotary operated spray	1092d/05
FM25	Fixed, manual, wall mounted, rotary operated nozzle	25	30	Rotary operated spray	1092d/06
SA25	Swinging, automatic, wall mounted, rotary operated nozzle	25	30	Rotary operated spray	1092d/07

PART 2: SECTION 3**FIRE HOSE REELS**

Product Name	Description	Hose nominal bore (mm)	Hose maximum length (m)	Nozzle type	LPCB Ref. No.
SM25	Swinging, manual, wall mounted, rotary operated nozzle	25	30	Rotary operated spray	1092d/08

Unisafe Fire Protection Specialists LLC

P.O.Box 117579, Ras Al Khor, Al Aweer Industrial Estate, Dubai, United Arab Emirates

Tel: +971 4 3339977 • Fax: +971 4 3339358

Website: www.unisafedxb.com

Certificate No: 1092Dd to EN 671-1

Product Name	Description	Hose nominal bore (mm)	Hose maximum length (m)	Nozzle type	LPCB Ref. No.
AHR19-01	Fixed, automatic, wall mounted, rotary operated nozzle	19	30	Rotary operated spray	1092Dd/01
MHR19-01	Fixed, manual, wall mounted, rotary operated nozzle	19	30	Rotary operated spray	1092Dd/02
AHR19-02	Swinging, automatic, wall mounted, rotary operated nozzle	19	30	Rotary operated spray	1092Dd/03
MHR19-02	Swinging, manual, wall mounted, rotary operated nozzle	19	30	Rotary operated spray	1092Dd/04
AHR25-01	Fixed, automatic, wall mounted, rotary operated nozzle	25	30	Rotary operated spray	1092Dd/05
MHR25-01	Fixed, manual, wall mounted, rotary operated nozzle	25	30	Rotary operated spray	1092Dd/06
AHR25-02	Swinging, automatic, wall mounted, rotary operated nozzle	25	30	Rotary operated spray	1092Dd/07
MHR25-02	Swinging, manual, wall mounted, rotary operated nozzle	25	30	Rotary operated spray	1092Dd/08

VALMECA MAROC S.A.R.L.

6 Bd Al Imam Allait Ibn Saad, Al Quods, Sidi Bernoussi, Casablanca, Morocco

Tel: +212 6 65 07 57 52 • Fax: +212 5 22 75 62 62

E-mail: valmeca.maroc@gmail.com

Certificate No: 1038A1a to EN 671-1:2012

'VM' Fire Hose Reels

Product Name	Description	Hose Nominal Bore (mm)	Hose Maximum Length (m)	Nozzle type	LPCB Ref. No.
VM002C	Manual, swinging arm, cabinet or wall mounted	25	30	Lever operated jet only or rotary operated jet/spray	1038A1a/02
VM001	Manual, swinging arm, wall mounted	33	30	Rotary operated jet/spray	1038A1a/05
VM002	Manual, swinging pipe, cabinet or wall mounted	25	30	Lever operated jet only or rotary operated jet/spray	1038A1a/10
VM002A	Manual, swinging arm, wall mounted	25	30	Lever operated jet only or rotary operated jet/spray	1038A1a/12
VM002B	Manual, swinging pipe, cabinet or wall mounted	25	30	Lever operated jet only or rotary operated jet/spray	1038A1a/14

PART 2: SECTION 3

FIRE HOSE REELS

Watania For Advanced Systems

7 Amin Abu Zeid Street, Saba Basha, Alexandria, , Egypt

Tel: +2 (03) 5857668 • Fax: +2 (03) 5857668

E-mail: info@adsystems.info • Website: <http://www.adsystems.info/>

Certificate No: 1038AEa to EN 671-1:2012

Advanced Systems Fire Hose Reel

Product Name	Description	Hose Nominal Bore (mm)	Hose Maximum Length (m)	Nozzle type	LPCB Ref. No.
ADSYS-5000	Manual, swinging arm, cabinet or wall mounted	25	30	Lever operated jet only or rotary operated jet/spray	1038AEa/02

Watania For Modern Industries

603 El Horreya Avenue, Zezenia, Alexandria, Egypt

Tel: +203 5758008 • Fax: +203 5758544

E-mail: watania@wataniagroup.com • Website: <http://www.wataniagroup.com/>

Certificate No: 1038ACa to EN 671-1:2012

WATANIA Fire Hose Reel

Product Name	Description	Hose Nominal Bore (mm)	Hose Maximum Length (m)	Nozzle type	LPCB Ref. No.
WMIFHR	Manual, swinging arm, cabinet or wall mounted	25	30	Lever operated jet only or rotary operated jet/spray	1038ACa/02

Watex Pumps Industries

D8, New Industrial Area, Amman Street, Ajman, United Arab Emirates

Tel: +971 552148105

E-mail: info@watexindustries.com • Website: www.watexindustries.com

Certificate No: 1038ABa to EN 671-1:2012

WATEX Fire Hose Reels

Product Name	Description	Hose Nominal Bore (mm)	Hose Maximum Length (m)	Nozzle type	LPCB Ref. No.
WMH-25MM	Manual, swinging arm, cabinet or wall mounted	25	30	Lever operated jet only or rotary operated jet/spray	1038ABa/02
WAH-25MM	Automatic, swinging arm, cabinet or wall mounted	25	30	Lever operated jet only or rotary operated jet/spray	1038ABa/04

Zener Security & Safety Equipments

Souq Najd Building, Entrance No. 5, 1st Floor, Doha, Qatar

Tel: +974 44370933 • Fax: +974 44370691

E-mail: info@zenerqatar.com • Website: <http://www.zenerqatar.com/>

Certificate No: 1153Ca to EN 671-1:2012

Zenér Fire Hose Reels

Product Name	Description	Hose Nominal Bore (mm)	Hose Maximum Length (m)	Nozzle type	LPCB Ref. No.
ZS10-HRA-00	Automatic, swinging arm, wall mounted	25	30	Lever operated jet/spray	1153Ca/01
ZS10-HRM-00	Manual, fixed, wall mounted	25	30	Lever operated jet/spray	1153Ca/02
ZS10-HRA1-00	Automatic, swinging arm, wall mounted	19	30	Lever operated jet/spray	1153Ca/03
ZS10-HRM1-00	Manual, fixed, wall mounted	19	30	Lever operated jet/spray	1153Ca/04
ZS10-HRM2-00	Manual, swinging arm, wall mounted	25	30	Lever operated jet/spray	1153Ca/05
ZS10-HRM3-00	Manual, swinging arm, wall mounted	19	30	Lever operated jet/spray	1153Ca/06

PART 2: SECTION 4

FIRE BLANKETS

Fire blankets can be used to suppress or extinguish small fires in kitchens, laboratories and workshops and are a useful means of protection.. They should be located in the vicinity of the fire hazard on which they are intended to be used and in a position where they can be safely accessed. Light duty blankets are suitable for kitchens and laboratory areas where fires tend to be smaller and contained, e.g. cooking oils.

EN 1869 specifies requirements for non re-usable fire blankets that are intended for use by one person. The standard applies to fire blankets primarily intended for extinguishing cooking oil type fires. The standard specifies several tests that a fire blanket must successfully undergo, which include: fire tests, a removal and unfolding test and an electrical resistance test.

The materials used in the manufacture of a fire blanket must be heat resisting and non-flammable yet flexible enough to maintain a seal with the vessel on fire so that the oxygen supply is removed. The heat resistance of the fire blanket must also be maintained whilst the heat source is turned off and the heat is allowed to lower with the vessel remaining in-situ until the vessel is safe to be removed.

It is recommended that the blanket has been regularly inspected as part of any risk assessment or safety inspections. A fire blanket notice should be placed near the blanket giving basic guidance on how to use the blanket in an emergency.

Always follow manufacturer's use, installation and servicing instructions and replace after use.

This section lists products approved in accordance with:

EN 1869:1997 *Fire blankets*

Changshu Jiangnan Glass Fiber Co., Ltd.

No. 19 Xiangyang Road, Haiyu Town, Changshu, Jiangsu 215519, China

Tel: +86-512-52560588 / +86-512-52561146 • Fax: +86-512-52565400

E-mail: zhi6739@jn-fiber.cn / zhang1146@jn-fiber.cn • Website: www.jn-grt.com

Certificate No: 1434a to EN 1869:1997

CS08 Fire Blanket

Product Name	Dimensions (m)	LPCB Ref. No.
CS08 (1.2m x 1.2m)	1.2 x 1.2	1434a/01
CS08 (1.2m x 1.8m)	1.2 x 1.8	
CS08 (1.5m x 1.8m)	1.5 x 1.8	

Emirates Fire Fighting Equipment Factory L.L.C. (FIREX)

P.O.Box 22436, Industrial Area 13, Sharjah, United Arab Emirates

Tel: +971 6 5340300 • Fax: +971 6 5340090

E-mail: firex@emirates.net.ae • Website: www.firexuae.com

Certificate No: 863b to BS EN 1869

Fire Blankets

Product Name	Dimensions (m)	LPCB Ref. No.
FB4	1.2 x 1.2	863b/01
FB6	1.2 x 1.8	

NAFFCO FZ Co

PO Box 17014, Jebel Ali, Dubai, United Arab Emirates
Tel: +971 4815111 • Fax: +971 48151222
E-mail: natfire@emirates.net.ae • Website: www.naffco.com

Certificate No: 463c to EN 1869

Fire Blankets

Product Name	Dimensions (m)	LPCB Ref. No.
Model NFB 1.2	1.1 x 1.1	463c/03
Model NFB 1.4	1.2 x 1.2	
Model NFB 2.1	1.2 x 1.8	

Note:

Material Ref: NF/MDS-FB/2016, Revision 05, dated 22 November 2016. Top and bottom push insert type container.

Ningbo Siterwell Electronics Co., Ltd.

76 Haichuan Road, Chuangye Zone B, Jiangbei, Ningbo, Zhejiang Province 315032, China
Tel: 0086-574-8307 6161 • Fax: 0086-574-8307 6652
E-mail: sales@china-siter.com • Website: www.china-siter.com

Certificate No: 1044b to EN 1869

Product Name	Dimensions (m)	LPCB Ref. No.
GS409	1.1 x 1.1	1044b/01
GS410	1.2 x 1.2	
GS411	1.2 x 1.8	

PART 2: SECTION 5

FIRE HYDRANT SYSTEMS

Wet Riser

A Wet Riser is a system of pipe-work and valves which is kept permanently 'charged' by a dedicated pump supplying clean water on demand on each floor of a building and is typically used on larger, high rise buildings. The system components must be regularly maintained to prevent leaks, corrosion and loss of adequate pressure. Landing valves that are used as part of a wet riser system are tested to BS 5041-1.

Dry Riser

A Dry Riser inlet is permanently connected to an 'uncharged' water pipe system that is installed within protected service 'riser' shaft within the building, often this is the protected escape staircase enclosures. The inlet breeching of a dry riser system is suitably located within a protective box or 'cabinet' for dry riser inlets on the ground floor to enable the fire and rescue service to connect layflat hose to a suitable water supply, allowing water to be pumped from the fire appliance pump up to higher floors or to where there are extensive distances from an entrance. Inlet breechings are tested to BS 5041-3 and the dry riser box for riser inlets are tested to BS 5041-5.

Underground Fire Hydrant

An underground fire hydrant is typically located within a surface box fitted with a cover. Underground fire hydrants and surface box frames and covers are tested to BS 750. The cover of the surface box is often but not always painted in a prominent colour to assist with fast location by fire service personnel. A notice identifying the location of the hydrant is also normally fitted in an adjacent position; in most jurisdictions it is illegal to park a car within a certain distance of a fire hydrant.

Pillar fire hydrants consist of one or more valves and connection outlets in a column shape, which emerges from below ground level, intended primarily to supply water for firefighting and also may be used by water utilities. Pillar fire hydrants are tested to EN 14384.

These hydrants are often provided by the owner/operator of larger developments and the responsibility for the supply of water rests with this organisations responsible person, whilst publicly located hydrants are provided and maintained by the civic authorities. Regular maintenance is required to remove dirt and debris, prevent seizure of the valve, to maintain a clean water supply and to ensure easy removal of the protective cover.

A layflat high pressure hose is attached to the hydrant via a standpipe installed after removal of the surface box cover and the water is delivered by turning a hydrant key which is connected to the hydrant by fire service personnel. The layflat hose connected to the standpipe may be used to supply water directly onto the fire by connecting further lengths of hose and using a branch or nozzle to control the water at the point of delivery. It may also be used to connect the water supply to a fire pump that is transported to the location by the fire service in order to increase the delivered water pressure further. The supply may be split into multiple hoses to distribute the water as required. This water supply can then be connected to a dry riser inlet(s) if required.

For guidance on design and installation of wet and dry riser systems, refer to BS 9990:2006 *Code of practice for non-automatic fire fighting systems in buildings*. This standard covers good practice in matters affecting the design, installation, testing and maintenance of non-automatic fire fighting systems in buildings. Further information is also available in BS 9999:2008 *Code of practice for fire safety in the design, management and use of buildings*.

This section lists products approved in accordance with:

BS 5041-1:1987	<i>Fire hydrant systems equipment. Specification for landing valves for wet risers</i>
BS 5041-3:1975	<i>Fire hydrant systems equipment. Specification for inlet breechings for dry riser inlets</i>
EN 694:2001	<i>Requirements for Fire-fighting hoses - semi-rigid hoses for fixed systems</i>
BS 6391:2009	<i>Requirements for non-percolating layflat delivery hoses and hose assemblies for fire fighting purposes.</i>
BS 5041-5: 1974	<i>Fire hydrant systems equipment. Specification for boxes for foam inlets and dry riser inlets</i>
BS 750:2006	<i>Specification for underground fire hydrants and surface box frames and covers</i>
EN 14384:2005	<i>Pillar fire hydrants</i>
BS 336:2010	<i>Specification for fire hose couplings and ancillary equipment</i>

Landing valves are listed as follows:-

Wet landing valves - Section 5.1.1

Dry landing valves - Section 5.1.2

PART 2: SECTION 5.1.1

WET LANDING VALVES

Wet landing valves are located at discharge points, typically on the upper floors of a taller building, where the supply of water is via a permanently charged or 'wet riser' water supply. Layflat hoses are coupled into the valve to supply water to the location of the fire. The valve is normally located within an easily accessible, protective and approved box or 'cabinet' to prevent damage, dust and rubbish collection.

This section lists products approved in accordance with:

BS 5041-1:1987 *Fire hydrant systems equipment. Specification for landing valves for wet risers*

Emirates Fire Fighting Equipment Factory L.L.C. (FIREX)

P.O.Box 22436, Industrial Area 13, Sharjah, United Arab Emirates

Tel: +971 6 5340300 • Fax: +971 6 5340090

E-mail: firex@emirates.net.ae • Website: www.firexuae.com

Certificate No: 863e to BS 5041-1

Product Name	Landing valve description	LPCB Ref. No.
APDR-65-ST	2½" PN16, oblique, screwed inlet, low pressure	863e/01
APDR-65-FT	2½" PN16, oblique, flanged inlet, low pressure	863e/02

Intelligent Safety & Security Technology Ltd.

Fourth Floor, 30 - 31 Furnival Street, London EC4A 1JQ, United Kingdom

Tel: +44 845 116 2945 • Fax:

E-mail: info@isst-uk.com • Website: www.isst-uk.com

Certificate No: 501Ac to BS 5041-1

Wet Landing Valves

Product Name	Landing valve description	LPCB Ref. No.
MZLV-OS25	2½" PN16, oblique, screwed inlet, low pressure	501Ac/01
MZLV-OF25	2½" PN16, oblique, flanged inlet, low pressure	501Ac/02

Lingjack Engineering Works PTE Ltd

No. 1 Woodlands Terrace, #03-01 Lingjack Industrial Building 738471, Singapore

Tel: +65 6759 4163 • Fax: +65 6758 7513

E-mail: combat@lingjack.com • Website: www.combat.com.sg

Certificate No: 501c to BS 5041-1

Product Name	Description	LPCB Ref. No.
LV-DR25	2½" PN16, oblique, screwed inlet, low pressure	501c/01
LV-OF25	2½" PN16, oblique, flanged inlet, low pressure	501c/02
LV-RA25	2½" PN16, right angle, screwed inlet, low pressure	501c/03
LV-RAF25	2½" PN16, right angle, flanged inlet, low pressure	501c/04
LV-HS25	2½" PN16, horizontal, screwed inlet, low pressure	501c/05
LV-HF25	2½" PN16, horizontal, flanged inlet, low pressure	501c/06
LV-BNS25	2½" PN16, bib nosed, screwed inlet, low pressure	501c/07
LV-BNF25	2½" PN16, bib nosed, flanged inlet, low pressure	501c/08
DH6l screw	2½", bib nosed, screwed inlet, high pressure	501c/09
DH6l flange	2½", bib nosed, flange inlet, high pressure	501c/10

MOBIAK S.A.

96-98 M. Mpotsari St, Chania, Crete 73136, Greece

Tel: +30 28210 63222 • Fax: +30 28210 66260

E-mail: sales@mobiak.gr • Website: http://www.mobiak.gr

Certificate No: 1153Ae to BS 5041-1:1987

'MOBIAK' Wet Landing Valves

Product Name	Description	LPCB Ref. No.
MBK06-198A-00	DN50 flanged inlet, oblique type, low pressure	1153Ae/01
MBK06-198A1-00	DN65 flanged inlet, oblique type, low pressure	1153Ae/02
MBK06-198B-00	2 ½" BSP female threaded inlet, oblique type, low pressure	1153Ae/03
MBK06-198B1-00	2 ½" BSPT male threaded inlet, oblique type, low pressure	1153Ae/04
MBK06-198C-00	DN50 flanged inlet, right angle type, low pressure	1153Ae/05
MBK06-198C1-00	DN65 flanged inlet, right angle type, low pressure	1153Ae/06
MBK06-198D1-00	2 ½" BSPT male threaded inlet, right angle type, low pressure	1153Ae/07
MBK06-200A1-00	2 ½" BSPT male threaded inlet, horizontal type, low pressure	1153Ae/08
MBK06-200B-00	DN50 flanged inlet, horizontal type, low pressure	1153Ae/09
MBK06-200B1-00	DN65 flanged inlet, horizontal type, low pressure	1153Ae/10
MBK06-200C1-00	2 ½" BSPT male threaded inlet, bib nosed type, low pressure	1153Ae/11
MBK06-200D-00	DN50 flanged inlet, bib nosed type, low pressure	1153Ae/12
MBK06-200D1-00	DN65 flanged inlet, bib nosed type, low pressure	1153Ae/13
MBK06-199A-00	DN50 flanged inlet, bib nosed type, high pressure	1153Ae/14
MBK06-199A1-00	DN65 flanged inlet, bib nosed type, high pressure	1153Ae/15
MBK06-199B-00	2 ½" BSPT male threaded inlet, bib nosed type, high pressure	1153Ae/16

Notes:

1. The maximum working pressure is 15 bar for low pressure landing valves
2. The maximum working pressure is 20 bar for high pressure landing valves

NAFFCO FZ Co

PO Box 17014, Jebel Ali, Dubai, United Arab Emirates

Tel: +971 4815111 • Fax: +971 48151222

E-mail: natfire@emirates.net.ae • Website: www.naffco.com

Certificate No: 463e to BS 5041-1

Product Name	Description	LPCB Ref. No.
NDR 098	2.5 inch wet landing valve, low pressure (1), oblique type with flanged inlet	463e/01

Notes:

- 1) Maximum working pressure is 15 bar.

Ningbo Jintian Fire Fighting Industrial Co., Ltd.

Wu Che Yan, Yuyao City, Zhejiang Province, China

Tel: +86 574 62025710 • Fax: +86 574 62025711

E-mail: info@jintianfire.com • Website: www.jintianfire.com

Certificate No: 1153e to BS 5041-1

Wet Landing Valves

Product Name	Description	LPCB Ref. No.
KX06-198A-00	DN50 flanged inlet, oblique type, low pressure	1153e/01
KX06-198A1-00	DN65 flanged inlet, oblique type, low pressure	1153e/02
KX06-198B-00	2 ½" BSP female threaded inlet, oblique type, low pressure	1153e/03
KX06-198B1-00	2 ½" BSPT male threaded inlet, oblique type, low pressure	1153e/04
KX06-198C-00	DN50 flanged inlet, right angle type, low pressure	1153e/05

PART 2: SECTION 5.1.1

WET LANDING VALVES

Product Name	Description	LPCB Ref. No.
KX06-198C1-00	DN65 flanged inlet, right angle type, low pressure	1153e/06
KX06-198D1-00	2 ½" BSPT male threaded inlet, right angle type, low pressure	1153e/07
KX06-200A1-00	2 ½" BSPT male threaded inlet, horizontal type, low pressure	1153e/08
KX06-200B-00	DN50 flanged inlet, horizontal type, low pressure	1153e/09
KX06-200B1-00	DN65 flanged inlet, horizontal type, low pressure	1153e/10
KX06-200C1-00	2 ½" BSPT male threaded inlet, bib nosed type, low pressure	1153e/11
KX06-200D-00	DN50 flanged inlet, bib nosed type, low pressure	1153e/12
KX06-200D1-00	DN65 flanged inlet, bib nosed type, low pressure	1153e/13
KX06-199A-00	DN50 flanged inlet, bib nosed type, high pressure	1153e/14
KX06-199A1-00	DN65 flanged inlet, bib nosed type, high pressure	1153e/15
KX06-199B-00	2 ½" BSPT male threaded inlet, bib nosed type, high pressure	1153e/16

Notes:

The maximum working pressure is 15 bar for low pressure landing valves

The maximum working pressure is 20 bar for high pressure landing valves

Shaoxing Jia Sheng Fire Fighting Equipment Co. Limited

No 30, Zijin Road, Tianjia Industrial Zone, Xiaoyue Town, Shangyu District, Shaoxing City, Zhejiang Province 312367, China

Tel: +86-575-82039618 • Fax: +86-575-82032872

E-mail: rachel.yan@jsfire.com.cn • Website: www.jsfire.com.cn

Certificate No: 1366a to BS 5041-1:1987

Wet Landing Valves

Product Name	Description	LPCB Ref. No.
JS02.002.13Q	2 ½" BSPT male screwed inlet, oblique type, low pressure	1366a/01
JS02.002.14Q	2 ½" BSPT male screwed inlet, oblique type, low pressure	1366a/02
JS02.002.16Q	DN65 flanged inlet, oblique type, low pressure	1366a/03
JS02.002.18Q	DN65 flanged inlet, right-angle type, low pressure	1366a/04
JS02.002.19Q	DN65 flanged inlet, horizontal type, low pressure	1366a/05
JS02.002.56	2 ½" BSPT female screwed inlet, oblique type, low pressure	1366a/06

Note:

The maximum working pressure is 15 bar

Dry landing valves comprise of a valve and outlet connection from a dry riser which are typically an uncharged pipe system installed within a building. The landing valves are located at discharge points typically on higher floors of buildings or harder to reach areas.

This section lists products approved in accordance with:

BS 5041-2:1987 *Fire hydrant systems equipment. Specification for landing valves for dry risers.*

PART 2: SECTION 5.2

INLET BREECHINGS

Dry riser inlets are permanently connected to 'uncharged' water pipe systems that are installed within protected service 'riser' shafts within the building. The inlet breeching is suitably located on the ground floor to enable the fire and rescue service to connect hoses to a suitable water supply allowing water to be pumped up to higher floors. Flexible hoses are connected to control valves located adjacent to the fire zone and valves are located on each upper floor providing a source of water adjacent to the fire risk location. Normal working pressure will be stated with the listing.

This section lists products approved in accordance with:

BS 5041-3:1975 *Fire hydrant systems equipment. Specification for inlet breechings for dry riser inlets*

Emirates Fire Fighting Equipment Factory L.L.C. (FIREX)

P.O.Box 22436, Industrial Area 13, Sharjah, United Arab Emirates

Tel: +971 6 5340300 • Fax: +971 6 5340090

E-mail: firex@emirates.net.ae • Website: www.firexuae.com

Certificate No: 863d to BS 5041-3

Inlet Breechings

Product Name	Description	LPCB Ref. No.
APDR2-100-BI	2 way inlet breeching, 100mm flanged outlet	863d/01
APDR4-150-BI	4 way inlet breeching, 150mm flanged outlet	863d/02

Note:

1. Normal working pressure is 16 bar

Intelligent Safety & Security Technology Ltd.

Fourth Floor, 30 - 31 Furnival Street, London EC4A 1JQ, United Kingdom

Tel: +44 845 116 2945 • Fax:

E-mail: info@isst-uk.com • Website: www.isst-uk.com

Certificate No: 501Ad to BS 5041-3

Inlet Breechings

Product Name	Description	LPCB Ref. No.
MZBI2-100	2 way inlet breeching, 100 mm flanged outlet	501Ad/01
MZBI4-150	4 way inlet breeching, 150 mm flanged outlet	501Ad/02

Lingjack Engineering Works PTE Ltd

No. 1 Woodlands Terrace, #03-01 Lingjack Industrial Building 738471, Singapore

Tel: +65 6759 4163 • Fax: +65 6758 7513

E-mail: combat@lingjack.com • Website: www.combat.com.sg

Certificate No: 501d to BS 5041-3

Inlet Breechings

Product Name	Description	LPCB Ref. No.
DR 095	2 way inlet breeching, 100 mm flanged outlet	501d/01
WR 115	4 way inlet breeching, 150 mm flanged outlet	501d/02

MOBIAK S.A.

96-98 M. Mpotsari St, Chania, Crete 73136, Greece

Tel: +30 28210 63222 • Fax: +30 28210 66260

E-mail: sales@mobiak.gr • Website: http://www.mobiak.gr

Certificate No: 1153Ad to BS 5041-3:1975

'MOBIAK' Inlet Breechings

Product Name	Description	LPCB Ref. No.
MBK08-203-00	4 way inlet breeching, 150mm flanged outlet	1153Ad/01
MBK08-202-00	2 way inlet breeching, 100mm flanged outlet	1153Ad/02

NAFFCO FZ Co

PO Box 17014, Jebel Ali, Dubai, United Arab Emirates

Tel: +971 4815111 • Fax: +971 48151222

E-mail: natfire@emirates.net.ae • Website: www.naffco.com

Certificate No: 463f to BS 5041-3

Product Name	Description	LPCB Ref. No.
NDR 095	4 inch x 2 way inlet breeching	463f/01
NWR 115	6 inch x 4 way inlet breeching	463f/02
NWRX 115	6 inch x 4 way inlet breeching	463f/03

Notes:

1) Normal working pressure is 10 bar.

Ningbo Jintian Fire Fighting Industrial Co., Ltd.

Wu Che Yan, Yuyao City, Zhejiang Province, China

Tel: +86 574 62025710 • Fax: +86 574 62025711

E-mail: info@jintianfire.com • Website: www.jintianfire.com

Certificate No: 1153d to BS 5041-3

Inlet breechings

Product Name	Description	LPCB Ref. No.
KX08-203-00	4 way inlet breeching, 150mm flanged outlet	1153d/01
KX08-202-00	2 way inlet breeching, 100mm flanged outlet	1153d/02

Note:

Rating PN 16

PART 2: SECTION 5.2

INLET BREECHINGS

Shaoxing Jia Sheng Fire Fighting Equipment Co. Limited

No 30, Zijin Road, Tianjia Industrial Zone, Xiaoyue Town, Shangyu District, Shaoxing City, Zhejiang Province 312367, China

Tel: +86-575-82039618 • Fax: +86-575-82032872

E-mail: rachel.yan@jsfire.com.cn • Website: www.jsfire.com.cn

Certificate No: 1366b to BS 5041-3:1975

Inlet Breechings

Product Name	Description	LPCB Ref. No.
JS06.002.01A	2 way inlet breeching, 100 mm flanged outlet	1366b/01
JS06.002.02B	4 way inlet breeching, 150 mm flanged outlet	1366b/02

Semi-rigid hose is used as part of a hose reel system typically (but not exclusively) red in colour, round in section and 30 metres in length. The purpose of this type of hose is to provide a steady flow of water quickly as a first response in a fire situation without having to set up lengths of hose from another source. The semi-rigid construction helps to prevent kinks which would restrict supply, is durable and operates in a fairly wide temperature range.

This section lists products approved in accordance with:

EN 694:2001 *Requirements for Fire-fighting hoses - semi-rigid hoses for fixed systems.*

NAFFCO FZ Co

PO Box 17014, Jebel Ali, Dubai, United Arab Emirates
 Tel: +971 4815111 • Fax: +971 48151222
 E-mail: natfire@emirates.net.ae • Website: www.naffco.com

Certificate No: 463h to BS EN 694

Semi rigid hoses

Product Name	Model	LPCB Ref. No.
Semi rigid hose, 19 mm, colour red	NF-RH-19R	463h/01
Semi rigid hose, 25mm, colour red	NF-RH-25R	463h/02

Notes:

1) Maximum working pressure is 1.2 MPa

Shaoxing Hongrun Fire Control Equipment Co., Ltd.

No. 16 Zijin Road, Xiaoyue Industrial Zone, Shangyu District, Shaoxing City, Zhejiang Province, China
 Tel: +86-575-82716911 • Fax: +86-575-82713275
 E-mail: mkt-hongrun@hr-fire.com • Website: www.hr-fire.com

Certificate No: 1288a to EN 694:2014

HR Semi-rigid Hose

Product Name	Description	LPCB Ref. No.
HR01-01-01	19mm inside diameter, type A, class 2, red PVC semi-rigid fire hose (1)	1288a/01
HR01-02-01	25mm inside diameter, type A, class 2, red PVC semi-rigid fire hose (1)	1288a/02
HR01-03-01	33mm inside diameter, type A, class 2, red PVC semi-rigid fire hose (2)	1288a/03

Notes:

1. Maximum working pressure is 1.2 MPa (12 bar)
2. Maximum working pressure is 0.7 MPa (7 bar)

Suzhou HLC Plastics Industry Co. Ltd

No. 103 Fengbeidang Road, Beiqiao Block, Xiangcheng District, Suzhou, China
 Tel: +86 512 65366918 • Fax: +86 512 65360646
 E-mail: info@suzhou-csj.com • Website: www.suzhou-csj.com

Certificate No: 1038b to BS EN 694:2014

CSJ Semi-Rigid Hose

Product Name	Description	LPCB Ref. No.
19mm Fire Hose (1)	Semi rigid hose, 19mm, colour red/black	1038b/01

PART 2: SECTION 5.3

SEMI RIGID HOSES

Product Name	Description	LPCB Ref. No.
25mm Fire Hose (1)	Semi rigid hose, 25 mm, colour red/black	1038b/02
33mm Fire Hose (2)	Semi rigid hose, 33 mm, colour red/black	1038b/03

Notes:

- 1) Maximum working pressure is 1.2 MPa (12 bar)
- 2) Maximum working pressure is 0.7 MPa (7 bar)

Yuyao Tianning Fire Control Equipment Co., Ltd.

Ganxuan Village, Liangnong Town, Yuyao City, China

Tel: +86 574 6237 0798 • Fax: +86 574 6235 7038

E-mail: tn.xf119@163.com • Website: www.tntqxf.com

Certificate No: 1364a to EN 694:2014

'TN' Semi-Rigid Hose

Product Name	Description	LPCB Ref. No.
TN04-D-08B-08	Semi rigid hose, 19mm, colour red	1364a/01
TN04-D-08A-08	Semi rigid hose, 25mm, colour red	1364a/02

Notes:

1. Maximum working pressure is 1.2 MPa (12 bar)

Layflat hose is typically used by the fire service to convey large quantities of high pressure water to the fire. Lengths of hose may be connected together via couplings and the hose should be flexible, strong, resist kinking, watertight, rot-proof, impervious to chemicals and operate at high pressure and in varying extremes of temperature, the hose must not fail at a critical moment.

To achieve these requirements layflat hose comes in three types.

Type 1 hoses are those to which no external treatments have been applied to the reinforcement and may be liable to absorb liquids and need to be thoroughly dried after use. These types of fire hose are sometimes called conventional hoses.

Type 2 hoses are those to which an external elastomeric coating has been applied to the reinforcement to give some protection against the absorption of liquids and to improve resistance to abrasion of the reinforcement.

Type 3 hoses are those to which an external elastomeric coating or covering has been applied to, or been incorporated within the reinforcement to give the hoses very low absorption of liquids and high resistance to abrasion and heat.

In some countries layflat hose may also be concertinaed in a hanging rack adjacent to a dry riser in a fixed location within a building ensuring a fast and easily available source of large quantities of water. A branch (nozzle) is usually also supplied at this location.

This section lists products approved in accordance with:

BS 6391:2009 *Requirements for non-percolating layflat delivery hoses and hose assemblies for fire fighting purposes.*

NAFFCO FZ Co

PO Box 17014, Jebel Ali, Dubai, United Arab Emirates

Tel: +971 4815111 • Fax: +971 48151222

E-mail: natfire@emirates.net.ae • Website: www.naffco.com

Certificate No: 463g to BS 6391

Layflat delivery hoses

Product Name	Model	LPCB Ref. No.
NF-DH2 65R	2.5" Layflat delivery hose , colour red	463g/01
NF-DH2 65W	2.5" Layflat delivery hose, colour white	463g/02

Notes:

1) Maximum working pressure is 15 bar.

PART 2: SECTION 5.5

BOXES FOR DRY RISER INLETS

A Dry Riser is an un-charged system of pipe-work and valves installed within a building which enables the Fire Service to pump water to the upper floors of a building when a fire occurs. A dry riser box or cabinet provides protection to dry riser inlets from accidental damage, dirt, dust, vandalism and rubbish deposits and helps to ensure that the equipment inside stays in the best condition to ensure that a supply of water can be maintained in any fire incident. Regular inspection and maintenance of the box and equipment inside is required.

This section lists products approved in accordance with:

BS 5041-5 *Fire hydrant systems - Boxes for dry riser inlets.*

NAFFCO FZ Co

PO Box 17014, Jebel Ali, Dubai, United Arab Emirates

Tel: +971 4815111 • Fax: +971 48151222

E-mail: natfire@emirates.net.ae • Website: www.naffco.com

Certificate No: 463j to BS 5041-5

Boxes for dry riser inlets

Product Name	Model	Size W X H (mm)	LPCB Ref. No.
4" x 2 way	NF-2WDRIC-SM	595 x 395	463j/01
6" x 4 way	NF-4WDRIC-SM	595 x 595	
4" x 2 way	NF-2WDRIC-SMA	395 x 595	
4"x 2 way	NF-2WDRIC-RT	595 x 395	
6" x 4 way	NF-4WDRIC-RT	595 X 595	
4" x 2 way	NF-2WDRIC-RTA	395 X 595	

The purpose of a fire hydrant installation is to provide a connection to the water main to which the fire fighter can connect firefighting equipment. Pillar fire hydrants consist of one or more valves and connection outlets in a column shape, which emerges from below ground level, intended primarily to supply water for firefighting and also may be used by water utilities. Pillar fire hydrants are tested to EN 14384.

These hydrants are often provided by the owner/operator of larger developments and the responsibility for the supply of water rests with this organisations responsible person, whilst publicly located hydrants are provided and maintained by the civic authorities. Regular maintenance is required to remove dirt and debris, prevent seizure of the valve, to maintain a clean water supply and to ensure easy removal of the protective cover.

This section lists products approved in accordance with:

EN 14384:2005 *Pillar fire hydrants*

Emirates Fire Fighting Equipment Factory L.L.C. (FIREX)

P.O.Box 22436, Industrial Area 13, Sharjah, United Arab Emirates

Tel: +971 6 5340300 • Fax: +971 6 5340090

E-mail: firex@emirates.net.ae • Website: www.firexuae.com

Certificate No: 1280Aa to EN 14384:2005

Product Name	Inlet size	Hose outlet	Pumper	LPCB Ref. No.
FX16-117S	4 (DN 100)	2 x 2.5 BSP (65mm)	1 x 4 BSP (100mm)	1280Aa/01
FX16-082S	4 (DN 100)	2 x 2.5 BSP (65mm)	1 x 4 BSP (100mm)	1280Aa/02
FX16-083S	6 (DN 150)	2 x 2.5 BSP (65mm)	1 x 4 BSP (100mm)	1280Aa/03
FX16-117T	6 (DN 150)	2 x 2.5 BSP (65mm)	1 x 4 BSP (100mm)	1280Aa/04

Exon For Fire Protection Inc.

615 Remnor Ave, Ottawa, Ontario K2T 0A6, Canada

Tel: +613 276 7755

E-mail: ahmed.shalaby@exonfire.com • Website: www.exonfire.com

Certificate No: 1280Da to EN 14384:2005

EZULA Pillar Fire Hydrants

Product Name	Inlet size	Hose outlet	Pumper	LPCB Ref. No.
EX16-117S	4 (DN 100)	2 x 2.5 BSP (65mm)	1 x 4 BSP (100mm)	1280Da/01
EX16-082S	4 (DN 100)	2 x 2.5 BSP (65mm)	1 x 4 BSP (100mm)	1280Da/02
EX16-083S	6 (DN 150)	2 x 2.5 BSP (65mm)	1 x 4 BSP (100mm)	1280Da/03
EX16-117T	6 (DN 150)	2 x 2.5 BSP (65mm)	1 x 4 BSP (100mm)	1280Da/04

NAFFCO FZ Co

PO Box 17014, Jebel Ali, Dubai, United Arab Emirates

Tel: +971 4815111 • Fax: +971 48151222

E-mail: natfire@emirates.net.ae • Website: www.naffco.com

Certificate No: 463n to BS EN 14384

PART 2: SECTION 5.6

PILLAR FIRE HYDRANTS

Pillar Fire Hydrants

Product Name	Inlet size	Hose Outlet	Pumper Outlet	LPCB Ref. No.
100 NHC - 800	4 (DN 100)	2 x G2½" BS 336 quick coupling	1 x G4 (100mm)	463n/01
100 NHC - 1200	4 (DN 100)	2 x G2½" BS 336 quick coupling	1 x G4 (100mm)	463n/02
100 NFHV - 800	4 (DN 100)	2 x 2½" straight landing valve with BS 336 quick coupling	1 x G4 (100mm)	463n/03
100 NFHV - 1200	4 (DN 100)	2 x 2½" straight landing valve with BS 336 quick coupling	1 x G4 (100mm)	463n/04
150 NFHV - 800	6 (DN 150)	2 x 2½" straight landing valve with BS 336 quick coupling	1 x G4 (100mm)	463n/05
150 NFHV - 1200	6 (DN 150)	2 x 2½" straight landing valve with BS 336 quick coupling	1 x G4 (100mm)	463n/06
100 NFBHQ - 800	4 (DN 100)	2 x G2½" BS 336 quick coupling	1 x G4 (100mm)	463n/07
100 NFBHQ - 1200	4 (DN 100)	2 x G2½" BS 336 quick coupling	1 x G4 (100mm)	463n/08
150 NFBHQ - 800	6 (DN 150)	2 x G2½" BS 336 quick coupling	1 x G4 (100mm)	463n/09
150 NFBHQ - 1200	6 (DN 150)	2 x G2½" BS 336 quick coupling	1 x G4 (100mm)	463n/10
100 NFBHQC - 800	4 (DN 100)	2 x G2½" BS 336 quick coupling	1 x G4 (100mm)	463n/11
100 NFBHQC - 1200	4 (DN 100)	2 x G2½" BS 336 quick coupling	1 x G4 (100mm)	463n/12
150 NFBHQC - 800	6 (DN 150)	2 x G2½" BS 336 quick coupling	1 x G4 (100mm)	463n/13
150 NFBHQC - 1200	6 (DN 150)	2 x G2½" BS 336 quick coupling	1 x G4 (100mm)	463n/14
100 NFBHQS-CD - 800	4 (DN 100)	2 x G2½" BS 336 quick coupling	1 x G4 (100mm)	463n/15
100 NFBHQS-CD - 1200	4 (DN 100)	2 x G2½" BS 336 quick coupling	1 x G4 (100mm)	463n/16
150 NFBHQS-CD - 800	6 (DN 100)	2 x G2½" BS 336 quick coupling	1 x G4 (100mm)	463n/17
150 NFBHQS-CD - 1200	6 (DN 150)	2 x G2½" BS 336 quick coupling	1 x G4 (100mm)	463n/18

National Factory for Security & Safety Equipment LLC

P.O.Box 129, Road No. 19, Ind. Estate, Al Rusayl PC 124, Sultanate of Oman

Tel: +968 2444 6268 • Fax: +968 2444 6227

E-mail: sales@amancoglobal.com • Website: www.amancoglobal.com

Certificate No: 1280Ca to EN 14384:2005

AMANCO Pillar Fire Hydrants

Product Name	Inlet size	Hose outlet	Pumper	LPCB Ref. No.
AFH4-DR	4 (DN 100)	2 x 2.5 BSP (65mm)	1 x 4 BSP (100mm)	1280Ca/02
AFH6-DR	6 (DN 150)	2 x 2.5 BSP (65mm)	1 x 4 BSP (100mm)	1280Ca/03

Saudi Factory for Fire Equipment FZCO

S-10833, Jebel Ali Free Zone, Authority South 1, Dubai 261281, United Arab Emirates

Tel: +971 4 880 9890 • Fax: +971 4 880 9822

E-mail: info@sffecoglobal.com • Website: www.sffecoglobal.com

Certificate No: 1280Ba to EN 14384:2005

SFFECO Pillar Fire Hydrants

Product Name	Inlet size	Hose outlet	Pumper	LPCB Ref. No.
100SFH680-LPDIB	4 (DN 100)	2 x 2.5 BSP (65mm)	1 x 4 BSP (100mm)	1280Ba/01
100SFH1325-LPDI	4 (DN 100)	2 x 2.5 BSP (65mm)	1 x 4 BSP (100mm)	1280Ba/02
150SFH1080-LPDI	6 (DN 150)	2 x 2.5 BSP (65mm)	1 x 4 BSP (100mm)	1280Ba/03
150SFH680-LPDIB	6 (DN 150)	2 x 2.5 BSP (65mm)	1 x 4 BSP (100mm)	1280Ba/04

Zhejiang Flametech Industries Co Limited

Tianjia Village, Xiaoyue Town, Shangyu City, Zhejiang, China

E-mail: hzi@flametech-co.com • Website: www.flametech-co.com

Certificate No: 1280a to BS EN 14384

Product Name	Inlet size	Hose outlet	Pumper	LPCB Ref. No.
FT16-117S	4 (DN 100)	2 X 2.5 BSP (65mm)	1 x 4 BSP (100mm)	1280a/01
FT16-082S	4 (DN 100)	2 X 2.5 BSP (65mm)	1 x 4 BSP (100mm)	1280a/02
FT16-083S	6 (DN 150)	2 X 2.5 BSP (65mm)	1 x 4 BSP (100mm)	1280a/03
FT16-117T	6 (DN 150)	2 X 2.5 BSP (65mm)	1 x 4 BSP (100mm)	1280a/04

PART 2: SECTION 5.7

GATE VALVES

Copper alloy gate valves are for use in fixed firefighting applications such as risers and hydrant systems having flanged, threaded, capillary, compression or loose nut/union body ends.

These products are approved to BS 5154 - *Specification for Copper alloy globe, globe stop and check, check and gate valves*

MOBIAK S.A.

96-98 M. Mpotsari St, Chania, Crete 73136, Greece

Tel: +30 28210 63222 • Fax: +30 28210 66260

E-mail: sales@mobiak.gr • Website: <http://www.mobiak.gr>

Certificate No: 1153Ab to BS 5154:1991

'MOBIAK' Copper Alloy Gate Valves

Product Name	Description	LPCB Ref. No.
MBK06-043A-00	1 Copper alloy gate valve with lockshield	1153Ab/01
MBK06-043A1-00	1 Copper alloy gate valve with handwheel	1153Ab/02

Ningbo Jintian Fire Fighting Industrial Co., Ltd.

Wu Che Yan, Yuyao City, Zhejiang Province, China

Tel: +86 574 62025710 • Fax: +86 574 62025711

E-mail: info@jintianfire.com • Website: www.jintianfire.com

Certificate No: 1153b to BS 5154:1991

'JINTIAN FIRE' Copper Alloy Gate Valves

Product Name	Description	LPCB Ref. No.
KX06-043A-00	1 Copper alloy gate valve with lockshield	1153b/01
KX06-043A1-00	1 Copper alloy gate valve with handwheel	1153b/02

Fire hose couplings and ancillary equipment are intended for fire service use, of delivery hose conforming to BS 6391, suction hose conforming to BS 3165 or EN ISO 14557, suitable for firefighting purposes up to a working pressure not exceeding 16 bar and other items of equipment associated with the use of firefighting hose.

Components covered in BS 336:**This section lists products approved in accordance with:**

BS 336:2010 Specification for fire hose couplings and ancillary equipment.

Delivery hose couplings;

Are instantaneous pattern couplings, either male or female combined with a hose tail, fitted with pull-release or twist-release mechanism. Intended for fitment of a delivery hose of appropriate size, so enabling the delivery hose to connect to fire service equipment fitted with appropriate instantaneous pattern coupling or connector.

Standpipes;

Capable of engagement to an underground fire hydrant conforming to BS 750, enabling aboveground operation. Consisting of a shaft fitted with an instantaneous delivery hose coupling or a gland allowing continuous rotation of the swivel head. Swivel head containing outlet(s) fitted with instantaneous pattern female connector(s), anti-siphon facility fitted as necessary. Intended for fitment to delivery hose and fire service equipment with appropriate instantaneous pattern coupling.

Hydrant keys and bars;

Intended for use on underground hydrant valves conforming to BS 750, enabling above ground operation.

Note:

Unless otherwise specified by the purchaser, blank plugs for standpipes are non-vented. If venting is required it should be in accordance with BS 5041-1 and BS 5041-2.

PART 2: SECTION 6

MOBILE FIRE EXTINGUISHERS

Third party approval of the mobile fire extinguisher will help to ensure that they will function correctly if properly maintained, it will also demonstrate due diligence in supporting risk assessment based legislation. LPCB approval also helps ensure the mobile fire extinguishers meet and continue to meet appropriate standards.

Mobile fire extinguishers are manufactured and tested to a class B type fire but also cover class A fire if necessary with powder and water based extinguishing media tested in accordance with EN 3-7.

EN 1866 applies to mobile fire extinguishers with a total mass above 20kg for powder, water based and CO₂ extinguishers and manoeuvred by an operator on foot only. This standard does not cover fire tests for class C and class F fires but the extinguishing media can be effective on these types of fire. Class D fires are considered to be very specialist application and are not included.

Caution: To be sure of reliable, proven, performance of the fire extinguisher in fire condition, the extinguisher should carry independent proof of performance, such as the LPCB mark, and if it is to be supplied into the EU the additional CE mark will also be required as defined by PED.

Always follow manufacturers use, installation and servicing instruction and replace after use.

Abbreviations used for LPCB listing of mobile fire extinguishers

LPCB use the following abbreviations in the Red Book listings for mobile fire extinguishers.

Extinguishing Agent	
W - Water	WB - Water based (water plus additive)
ABC or BC - Dry powder	CO ₂ - Carbon Dioxide

Method of Actuation	
SP - Stored pressure actuation	GC - Gas cartridge actuation

Units or Capacity	
kg - Kilogram	l - litre

Labelling

A requirement of EN 1866 is that each mobile fire extinguisher must be clearly labelled to identify the classes of fire for which they have demonstrated satisfactory performance as defined in BS EN 1866. In summary:

Class A: for use on flammable solid materials, for example wood, paper, coal, straw, cloth etc.

Class B: for use on fires involving flammable liquids or liquefiable solids.

Class C: for fires involving gases.

Class D: for fires involving metals for example magnesium, sodium, cadmium, manganese.

Class F: for use on cooking oil fires.

Colour Coding

EN 1866 permits a zone of colour of up to 10% of the external area of the extinguisher body to be used to identify the extinguishing agent in accordance with national specifications.

CE Marking

CE marking may be found on a mobile fire extinguisher as required by the European Union - Pressure Equipment Directive (PED) but should not be confused with LPCB approval. This directive has been published for products that are to be sold within the European Union (EU) and it requires proof of safety of the pressure vessel. The CE mark placed on a fire extinguisher demonstrates conformance with this pressure safety requirement. Performance testing and fire testing is not carried out as part of this directive.

Marine Equipment Directive

The Marine Equipment Directive (MED) was adopted into UK Law and became mandatory on the 5 August 1999. The MED covers any ship (or lifeboat) flying a flag of an EEA member state. The MED covers a vast array of equipment, covering all aspects of a ship's safety, including mobile fire extinguishers. Conformity assessment is through a Notified Body, such as LPCB, and the compliance mark is the Wheel-mark.

This section lists products approved in accordance with:

EN 1866-1:2007 - Mobile fire extinguishers

Associated Enterprises (S) Pte Ltd.

Block 28, Sin Ming Drive, #01-173 575702, Singapore
Tel: +65-64550555 • Fax: +65-64550505
E-mail: enquiry@aespl.com.sg • Website: www.aespl.com.sg

Certificate No: 1092Ac to BS EN 1866-1

PROTEC Mobile Fire Extinguishers

Product Name	Type	Capacity	Fire rating	LPCB Ref. No.
PRO-10-CD	CO ₂	10 kg	144 B	1092Ac/01
PRO-20-CD	CO ₂	20 kg	183 B	1092Ac/02
PRO-30-CD	CO ₂	30 kg	183 B	1092Ac/03
PRO-50-MF	Foam (Stored Pressure)	50 litre	IV B	1092Ac/04
PRO-100-MF	Foam (Stored Pressure)	100 litre	IV B	1092Ac/05
PRO-25-MDC	ABC Powder (Stored Pressure)	25 kg	II B	1092Ac/06
PRO-50-MDC	ABC Powder (Stored Pressure)	50 kg	IV B	1092Ac/07
PRO-100-MDC	ABC Powder (Stored Pressure)	100 kg	IV B	1092Ac/08

COFFCO

PO Box 5, Pincode - 678002, India
Tel: +914912908940 • Fax: +914912554695
E-mail: coffco@eth.net • Website: www.coffcofire.com

Certificate No: 1092Hc to EN 1866-1

COFFCO Mobile Fire Extinguishers

Product Name	Type	Capacity	Fire Rating	LPCB Ref. No.
CFCO10	CO ₂	10 kg	144 B	1092Hc/01
CFCO20	CO ₂	20 kg	183 B	1092Hc/02
CFCO30	CO ₂	30 kg	183 B	1092Hc/03
CFF50	Foam (Stored Pressure)	50 litre	IV B	1092Hc/04
CFF100	Foam (Stored Pressure)	100 litre	IV B	1092Hc/05
CFDP25	ABC Powder (Stored Pressure)	25 kg	II B	1092Hc/06

PART 2: SECTION 6

MOBILE FIRE EXTINGUISHERS

Product Name	Type	Capacity	Fire Rating	LPCB Ref. No.
CFDP50	ABC Powder (Stored Pressure)	50 kg	IV B	1092Hc/07
CFDP100	ABC Powder (Stored Pressure)	100 kg	IV B	1092Hc/08

Firekill LLP

14 Hanover Street, London W1S 1YH, United Kingdom

Tel: +44 (0)207 3170 663 • Fax: +44 (0)207 3170 610

E-mail: firekill@firekill.uk.com • Website: www.firekill.uk.com

Certificate No: 867Hc to EN 1866-1:2007

FireKill Mobile Fire Extinguisher

Product Name	Type	Capacity	Fire Rating	LPCB Ref. No.
FK-P50TG	ABC Powder (Stored Pressure)	50 kg	IV B	867Hc/02

Gulf Fire & Safety Equipment FZC

P.O. Box 50351, Rak Free Zone Industrial Park, Ras Al Khaimah, United Arab Emirates

Tel: +974 40296712 • Fax: +974 44685331

E-mail: info@gulffiresafety.com • Website: www.gulffiresafety.com

Certificate No: 1092Gc to EN 1866-1:2007

GFIRE Mobile Fire Extinguishers

Product Name	Type	Capacity	Fire Rating	LPCB Ref. No.
GF-CD10	CO ₂	10 kg	144 B	1092Gc/01
GF-CD20	CO ₂	20 kg	183 B	1092Gc/02
GF-CD30	CO ₂	30 kg	183 B	1092Gc/03
GF-FM50	Foam (Stored Pressure)	50 litre	IV B	1092Gc/04
GF-FM100	Foam (Stored Pressure)	100 litre	IV B	1092Gc/05
GF-PD25	ABC Powder (Stored Pressure)	25 kg	II B	1092Gc/06
GF-PD50	ABC Powder (Stored Pressure)	50 kg	IV B	1092Gc/07
GF-PD100	ABC Powder (Stored Pressure)	100 kg	IV B	1092Gc/08

Lingjack Engineering Works PTE Ltd

No. 1 Woodlands Terrace, #03-01 Lingjack Industrial Building 738471, Singapore

Tel: +65 6759 4163 • Fax: +65 6758 7513

E-mail: combat@lingjack.com • Website: www.combat.com.sg

Certificate No: 501f to BS EN 1866-1

Product Name	Type	Capacity	Fire Rating	LPCB Ref. No.
C-20C	CO ₂	20 kg	89 B	501f/01
C-30C	CO ₂	30 kg	113 B	501f/02
C-50FTC	Foam (Cartridge Operated)	50 litre	IV B	501f/03
C-100FTC	Foam (Cartridge Operated)	100 litre	IV B	501f/04

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MOBILE FIRE EXTINGUISHERS

Product Name	Type	Capacity	Fire Rating	LPCB Ref. No.
C-135FTC	Foam (Cartridge Operated)	135 litre	IV B	501f/05
C-25FTP	Foam (Stored Pressure)	25 litre	II B	501f/06
C-50FTP	Foam (Stored Pressure)	50 litre	II B	501f/07
C-50ATC	ABC Powder (Cartridge Operated)	50 kg	IV B	501f/08
C-100ATC	ABC Powder (Cartridge Operated)	100 kg	IV B	501f/09
C-150ATC	ABC Powder (Cartridge Operated)	150 kg	IV B	501f/10
C-25ATP	ABC Powder (Stored Pressure)	25 kg	II B	501f/11
C-50ATP	ABC Powder (Stored Pressure)	50 kg	II B	501f/12
C-50PTC	Purple K Powder (Cartridge Operated)	50 kg	IV B	501f/13
C-100PTC	Purple K Powder (Cartridge Operated)	100 kg	IV B	501f/14
C-150PTC	Purple K Powder (Cartridge Operated)	150 kg	IV B	501f/15
C-25PTP	Purple K Powder (Stored Pressure)	25 kg	II B	501f/16
C-50PTP	Purple K Powder (Stored Pressure)	50 kg	II B	501f/17
C-25MTC	Monnex Powder (Cartridge Operated)	25 kg	III B	501f/18
C-50MTC	Monnex Powder (Cartridge Operated)	50 kg	III B	501f/19
C-100MTC	Monnex Powder (Cartridge Operated)	100 kg	III B	501f/20

Certificate No: 501g to Technical Approval based upon BS EN 1866-1

Product Name	Type	Capacity	Fire Rating	LPCB Ref. No.
C-75ATC	ABC Powder (Cartridge operated)	75 kg	IVB	501g/02
C-75PTC	Purple K Powder (Cartridge operated)	75 kg	IVB	501g/03

Note: 75kg CO₂ is not a nominal charge specified in EN 1866-1 clause 6.2.1 - Nominal Charges

NAFFCO FZ Co

PO Box 17014, Jebel Ali, Dubai, United Arab Emirates
Tel: +971 4815111 • Fax: +971 48151222
E-mail: natfire@emirates.net.ae • Website: www.naffco.com

Certificate No: 463m to BS EN 1866-1

Mobile Fire Extinguishers

Product Name	Type	Capacity	Fire Rating	LPCB Ref. No.
NTFC50X	AFFF foam (GC)	50 litre	IV B	463m/01
NTFC100X	AFFF foam (GC)	100 litre	IV B	463m/02
NTFC135X	AFFF foam (GC)	135 litre	IV B	463m/03
NTP25	ABC Powder (SP)	25 kg	II B	463m/07
NTP50	ABC Powder (SP)	50 kg	IV B	463m/08
NTP100	ABC Powder (SP)	100 kg	IV B	463m/09

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MOBILE FIRE EXTINGUISHERS

Ras Al Khaimah Fire Fighting Equipment Factory Fire King L.L.C

Wiz 07/12 Rakia Warehouse, Industrial Zone, Al Jazeera Al Hamra, Ras Al Khaimah, United Arab Emirates

Tel: +97172437050 • Fax: +97172437040

E-mail: info@fireking.ae • Website: www.fireking.ae

Certificate No: 1092Fc to EN 1866-1

FIRE KING Mobile Fire Extinguishers

Product Name	Type	Capacity	Fire Rating	LPCB Ref. No.
FKCD10	CO ₂	10 kg	144 B	1092Fc/01
FKCD20	CO ₂	20 kg	183 B	1092Fc/02
FKCD30	CO ₂	30 kg	183 B	1092Fc/03
FKFM50	Foam (Stored Pressure)	50 litre	IV B	1092Fc/04
FKFM100	Foam (Stored Pressure)	100 litre	IV B	1092Fc/05
FKPD25	ABC Powder (Stored Pressure)	25 kg	II B	1092Fc/06
FKPD50	ABC Powder (Stored Pressure)	50 kg	IV B	1092Fc/07
FKPD100	ABC Powder (Stored Pressure)	100 kg	IV B	1092Fc/08

Sentura Group (incl. FireDepot & EasiLume)

Sentura House, 3 Lands End Way, Oakham, Rutland LE15 6RB, United Kingdom

Tel: +44 (0)330 999 22 33 • Fax: +44 (0)1572 770133

E-mail: sales@firedepot.co.uk • Website: www.firedepot.co.uk

Certificate No: 1093c to EN 1866-1

FIRECHIEF XTR Mobile Fire Extinguishers

Product Name	Type	Capacity	Fire rating	LPCB Ref. No.
FXC10	CO ₂	10 kg	144 B	1093c/01
FXC20	CO ₂	20 kg	183 B	1093c/02
FXC30	CO ₂	30 kg	183 B	1093c/03
FXF50	Foam (SP)	50 litre	IV B	1093c/04
FXF100	Foam (SP)	100 litre	IV B	1093c/05
FXP25	ABC Powder (SP)	25 kg	II B	1093c/06
FXP50	ABC Powder (SP)	50 kg	IV B	1093c/07
FXP100	ABC Powder (SP)	100 kg	IV B	1093c/08

Tianbo & Mega Safety Ltd.

Baishuicong Industrial Park, Lianglong Town, Yuyao City, Zhejiang, China

Tel: +86-21-61602389 • Fax: +86-21-61602389 ext. 805

E-mail: enquiry@mega-safety.com • Website: www.mega-safety.com

Certificate No: 1092c to BS EN 1866-1

Product Name	Type	Capacity	Fire rating	LPCB Ref. No.
TMCD10	CO ₂ (Stored Pressure)	10 kg	144 B	1092c/01
TMCD20	CO ₂ (Stored Pressure)	20 kg	183 B	1092c/02
TMCD30	CO ₂ (Stored Pressure)	30 kg	183 B	1092c/03
TMFM50	Foam (Stored Pressure)	50 litre	IV B	1092c/04
TMFM100	Foam (Stored Pressure)	100 litre	IV B	1092c/05
TMPD25	ABC Powder (Stored Pressure)	25 kg	II B	1092c/06
TMPD50	ABC Powder (Stored Pressure)	50 kg	IV B	1092c/07

Product Name	Type	Capacity	Fire rating	LPCB Ref. No.
TMPD100	ABC Powder (Stored Pressure)	100 kg	IV B	1092c/08

Unisafe Fire Protection Specialists LLC

P.O.Box 117579, Ras Al Khor, Al Aweer Industrial Estate, Dubai, United Arab Emirates

Tel: +971 4 3339977 • Fax: +971 4 3339358

Website: www.unisafedxb.com

Certificate No: 1092Dc to BS EN 1866-1

Product Name	Type	Capacity	Fire rating	LPCB Ref. No.
UCME10	CO ₂	10 kg	144 B	1092Dc/01
UCME20	CO ₂	20 kg	183 B	1092Dc/02
UCME30	CO ₂	30 kg	183 B	1092Dc/03
UFME50	Foam (Stored Pressure)	50 litre	IV B	1092Dc/04
UFME100	Foam (Stored Pressure)	100 litre	IV B	1092Dc/05
UPME25	ABC Powder (Stored Pressure)	25 kg	II B	1092Dc/06
UPME50	ABC Powder (Stored Pressure)	50 kg	IV B	1092Dc/07
UPME100	ABC Powder (Stored Pressure)	100 kg	IV B	1092Dc/08

Zhejiang Ruihua Machinery Co. Ltd

No. 1 Fengqixi Road, Western Industrial Zone, Linshan Town, Yuyao, Zhejiang 315460, China

Tel: 0086 1350 578 4280 • Fax: 0086 574 6200 3570

E-mail: jingxingli@ruihuafire.com

Certificate No: 867c to EN 1866-1

Product Name	Type	Capacity	Fire rating	LPCB Ref. No.
P25TG	ABC Powder (Stored Pressure)	25 kg	II B	867c/01
P50TG	ABC Powder (Stored Pressure)	50 kg	IV B	867c/02

PART 2: SECTION 7

HAND-HELD BRANCHPIPES

Hand-held branchpipes are intended for fire service use with water only as the intended media. The hand-held branchpipes have a combination of components that connect to a water supply via a hose and coupling and projects water according to the operators requirements. A hand-held branchpipe is comprised of at least the following components: fitting system; gripping device; open and shut-off device, one or more jet/spray system(s) and a flow adjustment system (if applicable).

Branchpipes are defined in accordance with EN 15182-1 Annex A and using the spray types defined by Annex C.



Key

- 1 hollow cone spray
- 2 full cone spray
- 3 hollow/full cone spray alternatively
- 4 hollow cone spray combined with narrow spray jet
- 5 hollow cone spray combined with full jet

The hand-held branchpipes shall be used in accordance with the manufacturer's instructions for use and maintenance.

This section lists products approved in accordance with:

EN 15182-1 Hand-held branchpipes for fire service use - Part 1: Common requirements

EN 15182-2 Hand-held branchpipes for fire service use - Part 2: Combination branchpipes PN16

EN 15182-3 Hand-held branchpipes for fire service use - Part 3: Smooth bore jet and/or one fixed spray jet angle branchpipes PN16

EN 15182-4 Hand-held branchpipes for fire service use - Part 4: High pressure branchpipes PN40

Exceptions:

The standards do not apply to branchpipes covered by EN 671, foam branchpipes, powder branchpipes or branchpipes with a maximum working pressure above 40 bar.

Note:

Branchpipes covered by EN 15182-3 offer no or inadequate protection for firefighters when the spray angle is less than 30° and therefore, should not be used in high risk firefighting situations such as internal attack. They should also not be used when fighting fire in or near electrical installations when the spray angle is less than 30° without written authorisation from the manufacturer in the manual. This authorisation from the manufacturer should include safety distances.

MOBIAK S.A.

96-98 M. Mpotsari St, Chania, Crete 73136, Greece

Tel: +30 282 10 63222 • Fax: +30 282 10 66260

E-mail: sales@mobiak.gr • Website: <http://www.mobiak.gr>

Certificate No: 1153Ac to EN 15182-1:2007+A1:2009 and EN 15182-3:2007+A1:2009

'MOBIAK' Hand-Held Branchpipes

Product Name	Description	LPCB Ref. No.
MBK07-108C-00	13mm smooth bore, straight jet and one fixed spray jet, lever operated, aluminium body, plastics covered aluminium lever and shaft gripping device, plastics obturator, 2 BSP threaded male inlet, hand-held branchpipe	1153Ac/01
MBK07-108A-00	13mm smooth bore, straight jet and one fixed spray jet, lever operated, aluminium body, plastics covered aluminium lever and shaft gripping device, plastics obturator, M56 x 4 threaded female inlet, hand-held branchpipe	1153Ac/02
MBK07-127F-00	13mm smooth bore, straight jet and one fixed spray jet, lever operated, aluminium body, plastics covered aluminium lever and shaft gripping device, plastics obturator, BS336 male inlet, hand-held branchpipe	1153Ac/03
MBK07-108D-00	13mm smooth bore, straight jet and one fixed spray jet, lever operated, aluminium body, plastics covered aluminium lever, plastics shaft gripping device and obturator, 2 BSP threaded male inlet, hand-held branchpipe	1153Ac/04
MBK07-108B-00	13mm smooth bore, straight jet and one fixed spray jet, lever operated, aluminium body, plastics covered aluminium lever, plastics shaft gripping device and obturator, M56 x 4 threaded female inlet, hand-held branchpipe	1153Ac/05
MBK07-127E-00	13mm smooth bore, straight jet and one fixed spray jet, lever operated, aluminium body, plastics covered aluminium lever, plastics shaft gripping device and obturator, BS336 male inlet, hand-held branchpipe	1153Ac/06
MBK07-107C-00	16mm smooth bore, straight jet and one fixed spray jet, lever operated, aluminium body, plastics covered aluminium lever and shaft gripping device, plastics obturator, 2½" BSP threaded male inlet, hand-held branchpipe	1153Ac/07
MBK07-107A-00	16mm smooth bore, straight jet and one fixed spray jet, lever operated, aluminium body, plastics covered aluminium lever and shaft gripping device, plastics obturator, M85*6*6H threaded female inlet, hand-held branchpipe	1153Ac/08
MBK07-107D-00	16mm smooth bore, straight jet and one fixed spray jet, lever operated, aluminium body, plastics covered aluminium lever, plastics shaft gripping device and obturator, 2½" BSP threaded male inlet, hand-held branchpipe	1153Ac/09
MBK07-107B-00	16mm smooth bore, straight jet and one fixed spray jet, lever operated, aluminium body, plastics covered aluminium lever, plastics shaft gripping device and obturator, M85*6*6H threaded female inlet, hand-held branchpipe	1153Ac/10

Ningbo Jintian Fire Fighting Industrial Co., Ltd.

Wu Che Yan, Yuyao City, Zhejiang Province, China

Tel: +86 574 62025710 • Fax: +86 574 62025711

E-mail: info@jintianfire.com • Website: www.jintianfire.com

Certificate No: 1153c to EN 15182-1:2007+A1:2009 and EN 15182-3:2007+A1:2009

'JINTIAN FIRE' Hand-Held Branchpipes

Product Name	Description	LPCB Ref. No.
KX07-108C-00	13mm smooth bore, straight jet and one fixed spray jet, lever operated, aluminium body, plastics covered aluminium lever and shaft gripping device, plastics obturator, 2 BSP threaded male inlet, hand-held branchpipe	1153c/01
KX07-108A-00	13mm smooth bore, straight jet and one fixed spray jet, lever operated, aluminium body, plastics covered aluminium lever and shaft gripping device, plastics obturator, M56 x 4 threaded female inlet, hand-held branchpipe	1153c/02
KX07-127F-00	13mm smooth bore, straight jet and one fixed spray jet, lever operated, aluminium body, plastics covered aluminium lever and shaft gripping device, plastics obturator, BS336 male inlet, hand-held branchpipe	1153c/03
KX07-108D-00	13mm smooth bore, straight jet and one fixed spray jet, lever operated, aluminium body, plastics covered aluminium lever, plastics shaft gripping device and obturator, 2 BSP threaded male inlet, hand-held branchpipe	1153c/04
KX07-108B-00	13mm smooth bore, straight jet and one fixed spray jet, lever operated, aluminium body, plastics covered aluminium lever, plastics shaft gripping device and obturator, M56 x 4 threaded female inlet, hand-held branchpipe	1153c/05
KX07-127E-00	13mm smooth bore, straight jet and one fixed spray jet, lever operated, aluminium body, plastics covered aluminium lever, plastics shaft gripping device and obturator, BS336 male inlet, hand-held branchpipe	1153c/06
KX07-107C-00	16mm smooth bore, straight jet and one fixed spray jet, lever operated, aluminium body, plastics covered aluminium lever and shaft gripping device, plastics obturator, 2½" BSP threaded male inlet, hand-held branchpipe	1153c/07

PART 2: SECTION 7

HAND-HELD BRANCHPIPES

Product Name	Description	LPCB Ref. No.
KX07-107A-00	16mm smooth bore, straight jet and one fixed spray jet, lever operated, aluminium body, plastics covered aluminium lever and shaft gripping device, plastics obturator, M85*6*6H threaded female inlet, hand-held branchpipe	1153c/08
KX07-107D-00	16mm smooth bore, straight jet and one fixed spray jet, lever operated, aluminium body, plastics covered aluminium lever, plastics shaft gripping device and obturator, 2½" BSP threaded male inlet, hand-held branchpipe	1153c/09
KX07-107B-00	16mm smooth bore, straight jet and one fixed spray jet, lever operated, aluminium body, plastics covered aluminium lever, plastics shaft gripping device and obturator, M85*6*6H threaded female inlet, hand-held branchpipe	1153c/10