



EVERSAFE
POWDER

FIRE EXTINGUISHER

9 KG : A B C POWDER
34A 233B

- 1 ROTATE PIN TO BREAK SEAL
PULL OUT PIN
STRIKE LEVER
- 2 AIM NOZZLE AT FIRE BASE FROM
APPROX 2m, WAIT 4 sec.
- 3 SQUEEZE LEVER
RELEASE TO STOP



↑ USE UPRIGHT ↓

EVERSAFE EXTINGUISHER S.D.N. BHD. (0151611)
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NOTES:
CONTENTS
PROTECTIVE
VESSEL 20 LITRES

REGD. TRADE MARK

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2025

PRODUCT CATALOGUE



About Us

In the course of time, the company has become a holistically thinking of becoming one of the world market leader. Today, **EVERSAFE** has 170 employees, supporting more than 46 countries; inclusive of USA, Latin America, Scandinavian countries, European countries, Mediterranean countries, Brazil, Africa, Middle East, SAARC, South East Asia, Australasia and is valued world-wide as the solution for fire fighting.

Eversafe Extinguisher Sdn. Bhd. incorporated in the year 1979. Our production of fire-fighting equipment is housed within 2.844 acres of manufacturing and R&D facilities which allows us to offer an extensive range of high-quality products and systems. We operates a Quality Management System which complies with the global requirements of BS EN ISO 9001 and holds an ISO 9001 certificate from BSI, United Kingdom. Besides that, its superior quality products and equipment are also certified by recognised international certification bodies We continually invest in innovating our products, services and business solutions, also by engaging with partners and expanding our customer support to help our customer about products and services in line to create strong networks, focus on applications in the fields of fire fighting industries. Quality, reliability, experience, innovation are words that you associate with **EVERSAFE**. Our reputation is based on our commitment to improve.

Sincerely,
Your **EVERSAFE** team.

<https://eversafe.net>



We are the manufacturer/distributor of

- Portable Fire Extinguishers
- Mobile Fire Extinguishers
- Fire Hose Reels
- Landing Valves
- Breaching Inlets
- Fire Hydrant Equipment
- CO₂ Fire Extinguishing System
- Inert Gases Fire Extinguishing System
- NAF S 227® & 1230® Fire Extinguishing System
- Amerex Kitchen Protection Fire Suppression System
- Fire Sprinkler System
- Nozzles
- Fire Detection
- Control Panel
- Fire Blankets
- Canvas Hoses
- Cabinets
- ABC & Monnex™ Dry Powder
- Foam Concentrates
- Fire Monitor



Product Standard/Certification

- Australian Standard (SAI Global)
- European Standard (BSI / LPCB)
- Malaysian Standard (SIRIM / WATERMARK / SPAN / IKRAM)
- Singapore Standard (TÜV SÜD PSB)
- Pressure Equipment Directive, CE Mark (Lloyd's Register)
- Marine Equipment Directive, Wheel Mark (DNV)
- Offshore Special Regulations - Sarawak Shell Bhd / Sarawak Shell Petroleum Co (SSB / SSPC)
- Kuwait National Petroleum Co (KNPC)
- Kuwait Oil Company (KOC)
- Oman Ministry Of Defense (MOD)
- UAE Ministry of Interior Civil Defense
- Tenaga Nasional Berhad (TNB / SGP)

PRODUCT APPROVALS



0098



0343



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PORTABLE FIRE EXTINGUISHER

Eversafe Product International Standards/Directives

- European Standard - BS EN 3
- Malaysian Standard - MS 1539
- Australian Standard - AS/NZS 1841
- Singapore Standard - SS EN 3
- PED (Pressure Equipment Directive)
- MED (Marine Equipment Directive)

Portable Fire Extinguisher Features

- Seamless steel CO₂ Cylinder
- Fully deep drawn from cold rolled steel welded cylinder
- Pressure tested to twice the extinguisher's working pressure
- Externally coated with epoxy polyester powder
- Passed 480-hours salt spray test

Corrosion Resistant Features

- Stainless steel squeeze lever and bottom handle
- Reinforced synthetic rubber hose
- Cylinder is externally coated with Epoxy Marine Paint System over sandblasted surface
- Galvanized metal bracket
- Passed salt spray test for 720 hours, 1.5 times the usual test period of 480 hours



Types Of Extinguishers

Dry Chemical Powder (ABC)



Mixture of highly efficient mono-ammonium phosphate and ammonium sulphate ground to selected particle sizes. It is a versatile and safe extinguishant, and is ideally suited to environment where the fire hazard is mixed. It also fast offers fast protection against reignition and heat reduction. Effective against class A, B, C and live electrical fires.

Monnex™ Dry Powder



Based on potassium bicarbonate-urea complex. Monnex is particularly effective against fire involving alcohols, ketones and esters, which are more difficult for conventional fire fighting agents. It is recommended for high risk situation and should be used when rapid knockdown is required for class B and C fires. It is particularly use in refineries, petrochemical complexes and other high hazard areas.

Foam/Fluorine Free (AFFF/FF)



AFFF C6 is synthetic aqueous film forming foam concentrate consists of specific fluorinated and hydrocarbon surfactants to allow formation of an aqueous film on the surface of most hydrocarbon fuels, suppressing vapour leaks and preventing its contact with the oxygen and providing an excellent sealing on hot surfaces. Its formulation allows a great oil repellence, fluidity and burnback resistance.

Water



The most commonly used extinguishers for class A fire involving carbonaceous materials such as wood, textiles and paper by cooling the fire and removing the heat needed for combustion.

Carbon Dioxide (CO₂)



The ideal agent for use on class B fires. It is non toxic, non conductive and non corrosive inert gas which works by smothering the flames and reducing the oxygen content of the air around fire. This agent also safe to use on live electrical fires.

Wet Chemical



An aqueous solution that is suitable to use on class F fire, which involves cooking oils and fats. It reacts with the burning oil or fat forming a 'blanket' which rapidly knocks the flames out, cools the burning oil and chemically reacts to form a soap-free substance, sealing the surface and

Stored Pressure Type

Cartridge Operated Type



Valve & Lever

- Passed Operating Force Test
- Allows Intermittent and Repeated Operation
- Chromed Valve Body



Pressure Gauge

- Unique gauge testing function



Spray Nozzle

- Designed to Guarantee Superb Performance

Come with Corrosion Resistant Extinguisher



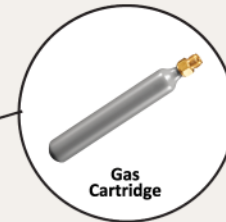
Service Record Tag

Records Date/Interval of Servicing Performed on Individual Fire Extinguisher



Head Cap & Lever

- Big head cap for ease of replacing the cartridge during servicing
- Allows Intermittent and Repeated Operation
- Chromed Valve Body



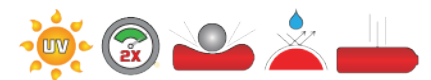
Gas Cartridge



- Easy Replaceable During Service or Maintenance
- Common Plugs with Standard Thread Sizes for All Models

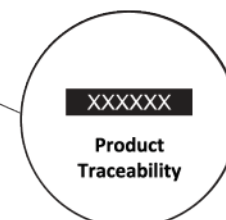


Cylinder Body



- UV & Fade Resistant
- Withstand Twice Its Working Pressure
- Passed Crush Test
- Corrosion Resistant
- Passed Impact Test

XXXXXX



Product Traceability



- Permanent Stamping of manufactured date and Distinctive Serial Number Ensures Product Traceability
- Evidence of Pressure Test Conducted



EC-1

EC-2

EC-3

EC-4

EC-6

EC-9

Model	EC-1*	EC-2*	EC-3*	EC-4	EC-6	EC-9
Type	Stored Pressure Type					
Extinguishant	ABC Dry Powder					
Capacity	1 kg	2 kg	3 kg	4 kg	6 kg	9 kg
Propellant	Nitrogen (N ₂)					
Valve	Controllable Non Ferrous Valve with Pressure Indicator					
Body Diameter	79 mm	110 mm	130mm	130 mm	158 mm	178 mm
Overall Height	325 mm	370 mm	425 mm	525 mm	525mm	587mm
Approx. Full Weight	1.7 kg	3.3 kg	4.9 kg	6.3 kg	9.3 kg	12.7 kg
Working Temperature Range	-20°C to + 60°C					
Working Pressure	12 bar					
Test Pressure	25 bar					
Burst Pressure	Exceeds 69 bar					
Approx. Discharge Range	2 m - 3 m	2 m - 4 m	5 m - 6 m	5 m	6 m - 7 m	6 m - 7.5 m
Approx. Discharge Time	9 sec	12 sec	14 sec	17 sec	17 sec	20 sec
Fire Rating (Min)	5A:21B	8A:34B	13A:55B	13A:70B	27A:144B	27A:144B
Fire Class	A, B, C + Electrical					
Internal Coating	Stoving Epoxy Primer					
Paint Finishing	RAL 3000 Flame Red Epoxy Polyester Powder Coating					
Mounting	Plastic Bracket	Plastic Bracket	Metal 'L' Wall Bracket			
Manufactured & Certified to	MS 1539 : Part 1 : 2002					

*Wire bracket mounting available upon request



AF-9Ps



EEK-2s



EEK-6s

Model	AF-9Ps	EEK-2s	EEK-6s
Type		Stored Pressure Type	
Extinguishant	AFF Foam (Premix)	Wet Chemical	Wet Chemical
Capacity	9 litres	2 litres	6 litres
Propellant		Nitrogen (N ₂)	
Valve	Controllable Chrome Plated Brass Valve with Pressure Indicator		
Body Diameter	178 mm	108 mm	158 mm
Overall Height**	625 mm	398 mm	575 mm
Approx. Full Weight	13.7 kg	4.6 kg	13.0 kg
Working Temperature Range	+5°C to +60°C	0°C to +60°C	0°C to +60°C
Working Pressure		12 bar	
Test Pressure		25 bar	
Burst Pressure		Exceeds 69 bar	
Approx. Discharge Range	6 m	> 2 m	> 2 m
Approx. Discharge Time	68 sec	14 sec	55 sec
Fire Rating	13A:183B	5A:5F	8A:75F
Fire Class	A, B + Electrical Safety Test*	A, F + Electrical Safety Test*	A, F + Electrical Safety Test*
Internal Lining	Thermoplastic Powder Coating (PPA)		
Paint Finishing	RAL 3000 Flame Red Epoxy Polyester Powder Coating		
Mounting	Metal 'L' Wall Bracket		
Manufactured & Certified to	MS 1539 : Part 1 : 2002	MS 1539 : Part 5 : 2014	MS 1539 : Part 5 : 2014

*Safe in accidental contact with live electrical equipment. Comply with electrical conductivity test to MS 1539-1, clause 4.7.4

**Overall height measured from bottom up to valve handle



ECO-5

ECO-11HH

PES-9

Model	ECO-5	ECO-11HH	PES-9
Type	Stored Pressure Type		Gas Cartridge Type
Extinguishant	Carbon Dioxide (CO ₂)		ABC Dry Powder
Capacity	2 kg	5 kg	9 kg
Operating Head / Valve	Controllable Chrome Plated Brass Valve		Controllable Chromed Plated Brass Headcap with Safety Relief Valve
Propellant	N/A	N/A	N/A
CO ₂ Cartridge	N/A	N/A	150 g
Body Diameter	114 mm	138 mm	178 mm
Overall Height**	510 mm	765 mm	595mm
Approx. Full Weight	7.6 kg	14.8 kg	14.2 kg
Working Temperature Range	-20°C to +60°C		
Working Pressure	56 Bar		12 bar
Test Pressure	250 Bar		25 bar
Burst Pressure	N/A		Exceeds 69 bar
Safety Disc Pressure	180-200 Bar		N/A
Approx. Discharge Range	3 m	3 m	6 m
Approx. Discharge Time	11 sec	17 sec	18 sec
Fire Rating	21B	55B	27A:144B
Fire Class	B + Electrical		A, B, C + Electrical
Cylinder Specification	Steel to ISO 9809		N/A
Discharge Assembly	Swivel Horn Assembly	Hose & Horn Assembly	N/A
Mounting	Metal 'L' Wall Bracket		Metal 'T' Wall Bracket
Internal Coating	N/A		Stoving Epoxy Primer
Paint Finishing	RAL 3000 Flame Red Epoxy Polyester Powder Coating		
Manufactured & Certified to	MS 1539 : Part 1 : 2002		

** overall height measured from bottom up to valve handle



Maintenance Tag



CR-EC-6



CR-EC-9



CR-PES-9

Model	CR-EC-6	CR-EC-9	CR-PES-9
Type		Stored Pressure Type	Cartridge Operated Type
Extinguishant	ABC Dry Powder		
Capacity	6 kg	9 kg	9 kg
Propellant / CO ₂ Cartridge	Nitrogen (N ₂)		150g
Valve	Controllable Chrome Plated Brass Valve with Pressure Indicator		Controllable Chrome Plated Headcap with Safety Relief Valve
Body Diameter	158 mm	178 mm	178 mm
Overall Height	525 mm	590 mm	595 mm
Approx Full Weight	9.3 kg	12.7 kg	14.5 kg
Working Temperature Range	-20°C to + 60°C		
Working Pressure	12 bar		
Test Pressure	25 bar		
Burst Pressure	Exceeds 69 bar		
Approx Discharge Range	6 m - 7 m	6 m - 7.5 m	6 m
Approx Discharge Time	17 sec	20 sec	18 sec
Fire Rating	27A:144B	27A:144B	27A:144B
Fire Class	A, B, C + Electrical		
External Coating	Epoxy Marine Paint System Over Sandblasted Surface (RAL 3000) Flame Red		
Mounting	Chrome Painted Red Metal 'L' Wall Bracket		Chrome Painted Red Metal 'T' Wall Bracket
Maintenance Tag	Aluminium Alloy		
Manufactured & Certified to	MS 1539		



Maintenance Tag



CR-AF-9Ps

CR-EEK-6s

CR-ECO-5

CR-ECO-11HH

Model	CR-AF-9Ps	CR-EEK-6s	CR-ECO-5	CR-ECO-11HH
Type	Stored Pressure Type			
Extinguishant	Premix Foam (AFFF)	Wet Chemical	Carbon Dioxide	
Capacity	9 litres	6 litres	2 kg	5 kg
Propellant	Nitrogen (N ₂)		Carbon Dioxide	
Valve	Controllable Chrome Plated Brass Valve with Pressure Indicator		Controllable Chrome Plated Brass Valve with Bursting Disc	
Body Diameter	178 mm	158 mm	114 mm	138 mm
Overall Height	625 mm	575 mm	510 mm	765 mm
Approx Full Weight	13.9 kg	13.1 kg	7.6 kg	14.8 kg
Working Temperature Range	+ 5°C to + 60°C	0°C to + 60°C	- 20°C to + 60°C	
Working Pressure	12 bar		56 bar	
Test Pressure	25 bar		250 bar	
Burst Pressure	Exceeds 69 bar		N/A	
Safety Disc Burst Pressure	N/A		180 - 200 bar	
Cylinder Specifications	MS 1539		Steel to ISO 9809	
Discharge Nozzle	Branch Pipe	Spray	Swivel Horn Assembly	Hose & Horn Assembly
Approx Discharge Range	6 m	> 2 m	3 m	
Approx Discharge Time	68 sec	55 sec	11 sec	17 sec
Fire Rating	13A:183B	8A:75F	21B	55B
Fire Class	A + B	A, F + Electrical Safety Test*		B + Electrical
Internal Lining	Thermoplastic Powder Coating (PPA)		N/A	
External Coating	Epoxy Marine Paint System Over Sandblasted Surface (RAL 3000) Flame Red			
Mounting	Chrome Painted Red Metal 'L' Wall Bracket			
Maintenance Tag	Aluminium Alloy			
Manufactured & Certified to	MS 1539			

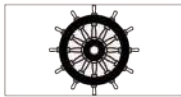
*Safe if in accidental contact with live electrical equipment. Comply with electrical conductivity test MS 1539, Clause 4.7.4



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EED-4c

EED-6c

EED-9c

EED-12c

EED-12cMX

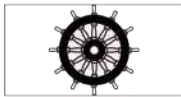
Model	EED-4c	EED-6c	EED-9c	EED-12c	EED-12cMX
Type	Cartridge Operated Type				
Extinguishant	ABC Dry Powder			Monnex™ Dry Powder	
Capacity	4 kg	6 kg	9 kg	12 kg	9 kg
CO ₂ Gas Cartridge	75 g	110 g	150 g	225 g	225 g
Valve / Headcap	CE Marked Controllable Chrome Plated Brass Headcap with Safety Relief Valve				
Body Diameter	158 mm	158 mm	178 mm	188 mm	188 mm
Overall Height	480 mm	535 mm	595 mm	710 mm	710 mm
Approx Full Weight	7.9 kg	10.4 kg	14.1 kg	19.1 kg	16.1 kg
Working Temperature Range	-20°C to + 60°C				
Working Pressure	12 Bar				
Test Pressure	25 Bar				
Burst Pressure	Exceeds 69 Bar				
Approx Discharge Range	2-3 m	5 m	7 m	7 m	7 m
Approx Discharge Time	20 sec	20 sec	22 sec	31 sec	19 sec
Fire Rating	21A : 89B	27A:183B	34A:233B	43A:233B	233B
Fire Class	A B C + Electrical				B, C
Internal Coating	Stoving Epoxy Primer				
Paint Finishing	RAL 3000 Flame Red Epoxy Polyester Powder Coating				
Mounting	Metal 'T' Wall Bracket				
Manufactured & Certified to	BS EN 3-7: 2004 + A1: 2007, BS EN 3-8: 2006 and BS EN 3-10:2009				



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EEW-6cs

EEW-9cs

EEF-6cs

EEF-9cs

EEF-9c

EEK-6cs

EEK-9cs

Model	EEW-6cs	EEW-9cs	EEF-6cs	EEF-9cs	EEF-9c	EEK-6cs	EEK-9cs
Type	Water		Cartridge Operated Type				
Extinguishant	Water		AFFF Foam (Premix)			Wet Chemical	
Capacity	6 litres	9 litres	6 litres	9 litres	9 litres	6 Litres	9 Litres
CO ₂ Gas Cartridge	55 g	55 g	55 g	75 g	75 g	35 g	55 g
Valve / Headcap	CE Marked Controllable Chrome Plated Brass Headcap with Safety Relief Valve						
Body Diameter	158 mm	178 mm	158 mm	178 mm	178 mm	158 mm	178 mm
Overall Height	585 mm	630 mm	585 mm	630 mm	630 mm	585 mm**	630 mm**
Approx Full Weight	11.1 kg	14.8 kg	11.1 kg	14.9 kg	14.9 kg	13.4 kg	18.7 kg
Working Temperature Range	+5°C to + 60°C			0°C to 60°C			
Working Pressure	12 Bar						
Test Pressure	25 Bar						
Burst Pressure	Exceeds 69 Bar						
Approx Discharge Range	4 m	6 m	4 m	6 m	6 m	>2 Metres	
Approx Discharge Time	38 sec	49 sec	58 sec	88 sec	42 sec	70 sec	84 sec
Fire Rating	13A	21A	13A:144B	13A:183B	21A:183B	8A : 75F	13A : 75F
Fire Class	A + Electrical Safety Test*		A,B + Electrical Safety Test*		A,B	A,F + Electrical Safety Test*	
Internal Coating	Thermoplastic Powder Coating (PPA)						
Paint Finishing	RAL 3000 Flame Red Epoxy Polyester Powder Coating						
Mounting	Metal 'T' Wall Bracket						
Manufactured & Certified to	BS EN 3-7: 2004 + A1: 2007, BS EN 3-8: 2006 and BS EN 3-10:2009						

* Safe if in Accidental contact with Live Electrical Equipment. Complies with electrical Conductivity Test BS EN 3-7, Clause 9 Annex C.

** Overall height measure from bottom up to valve handle



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0098



EED-1 EED-2 EED-2h EED-3 EED-4N EED-6 EED-9 EED-12

Model	EED-1	EED-2	EED-2h	EED-3	EED-4N	EED-6	EED-9	EED-12
Type	Stored Pressure Type							
Extinguishant	ABC Dry Powder							
Capacity	1 kg	2 kg	2 kg	3 kg	4 kg	6 kg	9 kg	12 kg
Propellant	Dry Nitrogen (N ₂)							
Valve	Controllable Chrome Plated Brass Valve with Pressure Indicator							
Body Diameter	79 mm	110 mm	110 mm	130 mm	158 mm	158 mm	178 mm	188 mm
Overall Height	325 mm	370 mm	410 mm	425 mm	475 mm	525 mm	587 mm	695 mm
Approx Full Weight	2.0 kg	3.5 kg	3.6 kg	5.2 kg	7.0 kg	9.4 kg	13.2 kg	17.8 kg
Working Temperature Range	- 20°C to + 60°C							
Working Pressure	12 Bar							
Test Pressure	25 Bar							
Burst Pressure	Exceeds 69 Bar							
Approx Discharge Range	2 m	2.5 m	2.5 m	4 m	5 m	5 m	7 m	7 m
Approx Discharge Time	11 sec	16 sec	11 sec	12 sec	18 sec	16 sec	18 sec	30 sec
Fire Rating	5A:34B	13A:55B	13A:70B	13A:89B	21A:113B	43A:233B	43A:233B	43A:233B
Fire Class	A, B, C + Electrical							
Internal Coating	Stoving Epoxy Primer							
Paint Finishing	RAL 3000 Flame Red Epoxy Polyester Powder Coating							
Mounting	Plastic Bracket*	Plastic Bracket*	Metal 'L' Wall Bracket					
Manufactured & Certified to	BS EN 3-7: 2004 + A1: 2007, BS EN 3-8: 2006 and BS EN 3-10:2009							

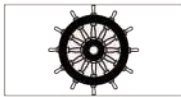
*Wire bracket available on request



KM 61549



0343



0098



EEF-2s

EEF-6s

EEF-9s

EEW-6s

EEW-9s

EEK-2s

EEK-6s

EEK-9s

Model	EEF-2s	EEF-6s	EEF-9s	EEW-6s	EEW-9s	EEK-2s	EEK-6s	EEK-9s
Type	AFF Foam (Premix)			Water			Wet Chemical	
Extinguishant	AFF Foam (Premix)			Water			Wet Chemical	
Capacity	2 litres	6 litres	9 litres	6 litres	9 litres	2 litres	6 litres	9 litres
Propellant	Nitrogen (N ₂)							
Valve	Controllable Chrome Plated Brass Valve with Pressure Indicator							
Body Diameter	110 mm	158 mm	178 mm	158 mm	178 mm	110 mm	158 mm	178 mm
Overall Height	398 mm	575 mm	625 mm	575 mm	625 mm	398 mm	575 mm	625 mm
Approx Full Weight	3.7 kg	10.0 kg	13.7 kg	10.0 kg	13.7 kg	4.6 kg	13.1 kg	18.5 kg
Working Temperature Range	+ 5°C to + 60°C						0°C to 60°C	
Working Pressure	12 Bar							
Test Pressure	25 Bar							
Burst Pressure	Exceeds 69 bar							
Approx Discharge Range	1.5 m	4 m	6 m	4 m	6 m	>2 Metres		
Approx Discharge Time	15 sec	32 sec	57 sec	41 sec	75 sec	14 sec	55 sec	90 sec
Fire Rating	5A:34B	13A:144B	21A:183B	13A	21A	5A : 5F	8A : 75F	13A : 75F
Fire Class	A, B + Electrical Safety Test*			A + Electrical Safety Test*		A, F + Electrical Safety Test*		
Internal Coating	Thermoplastic Powder Coating (PPA)							
Paint Finishing	RAL 3000 Flame Red Epoxy Polyester Powder Coating							
Mounting	Wire Bracket	Metal 'L' Wall Bracket				Wire Bracket	Metal 'L' Wall Bracket	
Manufactured & Certified to	BS EN 3-7: 2004 + A1: 2007, BS EN 3-8: 2006 and BS EN 3-10:2009							

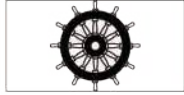
*Safe if in Accidental Contact with Live Electrical Equipment. Complies with Electrical Conductivity Test BS EN 3-7, Clause 9 Annex C.



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0343



0098



EEC-2e2

EEC-5e1

EEC-2Ale2

EEC-5Ale1

Model	EEC-2e2	EEC-5e1	EEC-2Ale2	EEC-5Ale1
Body Material	Cromoly Steel		Aluminium Alloy	
Extinguishant	Carbon Dioxide			
Capacity	2 kg	5 kg	2 kg	5 kg
Valve	CE Marked Controllable Chrome Plated Brass Valve			
Body Diameter	105 mm	138 mm	117 mm	152 mm
Overall Height*	567 mm	747 mm	502 mm	664 mm
Approx Full Weight	6.7 kg	15.0 kg	5.1 kg	12.1 kg
Working Temperature Range	- 20°C to + 60°C			
Working Pressure	56 bar			
Test Pressure	250 bar		212 bar	
Burst Pressure	180 - 200 bar			
Approx Discharge Range	3 m			
Approx Discharge Time	13 sec	23 sec	14 sec	18 sec
Fire Rating	34B	55B	34B	55B
Fire Class	B + Electrical			
Cylinder Specification	84 / 525 / EEC , BS 5045 Part 7, PED		BS 5045 Part 8 , PED	
Discharge Assembly	Swivel Horn	Hose & Fish Tail Horn	Swivel Horn	Hose & Fish Tail Horn
Paint Finishing	RAL 3000 Flame Red Epoxy Polyester Powder Coating			
Mounting	Metal 'L' Wall Bracket			
Manufactured & Certified to	BS EN 3-7: 2004 + A1: 2007, BS EN 3-9: 2006 and BS EN 3-10: 2009			

* Overall height measure from bottom upto valve handle



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EED-1 EED-2 EED-2h EED-3 EED-4N EED-6 EED-9 EED-12

Model	EED-1	EED-2	EED-2h	EED-3	EED-4N	EED-6	EED-9	EED-12
Type	Stored Pressure Type							
Extinguishant	ABC Dry Powder							
Capacity	1 kg	2 kg	2 kg	3 kg	4 kg	6 kg	9 kg	12 kg
Propellant	Dry Nitrogen (N ₂)							
Valve	Controllable Non Ferrous Valve with Pressure Indicator							
Body Diameter	79 mm	110 mm	110 mm	130 mm	158 mm	158 mm	178 mm	188 mm
Overall Height	325 mm	370 mm	410 mm	425 mm	475 mm	525 mm	587 mm	695 mm
Approx Full Weight	1.8 kg	3.3 kg	3.4 kg	5.0 kg	6.9 kg	9.3 kg	13.1 kg	17.6 kg
Working Temperature Range	-20°C to + 60°C							
Working Pressure	12 bar							
Test Pressure	25 bar							
Burst Pressure	Exceeds 69 bar							
Approx Discharge Range	2 m	2.5 m	2.5 m	4 m	5 m	5 m	7 m	7 m
Approx Discharge Time	11 sec	16 sec	11 sec	12 sec	18 sec	16 sec	18 sec	30 sec
Fire Rating	5A:34B	13A:55B	13A:70B	13A:89B	21A:113B	43A:233B	43A:233B	43A:233B
Fire Class	A, B, C + Electrical							
Internal Coating	Stoving Epoxy Primer							
Paint Finishing	RAL 3000 Flame Red Epoxy Polyester Powder Coating							
Mounting	Plastic Bracket			Metal 'L' Wall Bracket				
Manufactured & Certified to	BS EN 3-7: 2004 + A1: 2007, BS EN 3-8: 2006 and BS EN 3-10: 2009							



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0343



EEF-2s EEF-6s EEF-9s EEW-6s EEW-9s EEK-2s EEK-6s EEK-9s

Model	EEF-2s	EEF-6s	EEF-9s	EEW-6s	EEW-9s	EEK-2s	EEK-6s	EEK-9s
Type	AFF Foam (Premix)			Water			Wet Chemical	
Extinguishant	AFF Foam (Premix)			Water			Wet Chemical	
Capacity	2 litres	6 litres	9 litres	6 litres	9 litres	2 litres	6 litres	9 litres
Propellant	Nitrogen (N ₂)							
Valve	Controllable Chrome Plated Brass Valve with Pressure Indicator							
Body Diameter	110 mm	158 mm	178 mm	158 mm	178 mm	110 mm	158 mm	178 mm
Overall Height	398 mm	575 mm	625 mm	575 mm	625 mm	398 mm	575 mm	625 mm
Approx Full Weight	3.7 kg	10.0 kg	13.7 kg	10.0 kg	13.7 kg	4.6kg	13.1 kg	18.5 kg
Working Temperature Range	+ 5°C to + 60°C							
Working Pressure	12 bar							
Test Pressure	25 bar							
Burst Pressure	Exceeds 69 bar							
Approx Discharge Range	1.5 m	4 m	6 m	4 m	6 m	>2 m		
Approx Discharge Time	15 sec	32 sec	57 sec	41 sec	75 sec	14 sec	55 sec	90 sec
Fire Rating	5A:34B	13A:144B	21A:183B	13A	21A	5A:5F	8A:75F	13A:75F
Fire Class	A, B + Electrical Safety Test*			A + Electrical Safety Test*			A, F + Electrical Safety Test*	
Internal Coating	Thermoplastic Powder Coating (PPA)							
Paint Finishing	RAL 3000 Flame Red Epoxy Polyester Powder Coating							
Mounting	Wire Bracket			Metal 'L' Wall Bracket			Wire Bracket	
Manufactured & Certified to	BS EN 3-7: 2004 + A1: 2007, BS EN 3-8: 2006, and BS EN 3-10: 2009							

* Safe if in accidental contact with live electrical equipment. Comply with electrical conductivity test BS EN 3-7, Clause 9 Annex C



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0343



EEC-2e2

EEC-5e1

EEC-2Ale2

EEC-5Ale1

EEC 6.8

Model	EEC-2e2	EEC-5e1	EEC-2Ale2	EEC-5Ale1	EEC 6.8
Body Material	Cromoly Steel		Aluminium Alloy		Cromoly Steel
Extinguishant	Carbon Dioxide				
Capacity	2 kg	5 kg	2 kg	5 kg	6.8 kg
Valve	CE Marked Controllable Chrome Plated Brass Valve				
Body Diameter	105 mm	138 mm	117 mm	152 mm	156 mm
Overall Height	567 mm	747 mm	502 mm	664 mm	778 mm
Approx Full Weight	6.7 kg	15.0 kg	5.1 kg	12.1 kg	19.4 kg
Working Temperature Range	- 20°C to + 60°C				
Working Pressure	56 bar				
Test Pressure	250 bar		212 bar		
Burst Pressure	180 - 200 bar				
Approx Discharge Range	3 m				
Approx Discharge Time	13 sec	23 sec	14 sec	18 sec	16 sec
Fire Rating	34B	55B	34B	55B	55B
Fire Class	B + Electrical				
Cylinder Specification	84 / 525 / EEC , BS 5045 Part 7, PED		BS 5045 Part 8 , PED		EN 1964-1
Discharge Assembly	Swivel Horn	Hose & Fish Tail Horn	Swivel Horn	Hose & Fish Tail Horn	Hose & Circular Horn
Paint Finishing	RAL 3000 Flame Red Epoxy Polyester Powder Coating				
Mounting	Metal 'L' Wall Bracket				
Manufactured & Certified to	BS EN 3-7: 2004 + A1: 2007, BS EN 3-9: 2006 and BS EN 3-10: 2009				

* Overall height measure from bottom up to valve handle

** CE approval only available for model EEC 6.8



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0343



EED-4c

EED-6c

EED-9c

EED-12c

EED-12cMX

Model	EED-4c	EED-6c	EED-9c	EED-12c	EED-12cMX
Type	Cartridge Operated Type				
Extinguishant	ABC Dry Powder			Monnex™ Dry Powder	
Capacity	4 kg	6 kg	9 kg	12 kg	9 kg
CO2 Gas Cartridge	75 g	110 g	150 g	225 g	225 g
Valve / Headcap	CE Marked Controllable Chrome Plated Brass Headcap with Safety Relief Valve				
Body Diameter	158 mm	158 mm	178 mm	188 mm	188 mm
Overall Height	480 mm	535 mm	595 mm	710 mm	710 mm
Approx Full Weight	7.9 kg	10.4 kg	14.1 kg	19.1 kg	16.1 kg
Working Temperature Range	- 20°C to + 60°C				
Working Pressure	12 bar				
Test Pressure	25 bar				
Burst Pressure	Exceeds 69 bar				
Approx Discharge Range	2 - 3 m	5 m	7 m	7 m	7 m
Approx Discharge Time	20 sec	20 sec	22 sec	31 sec	19 sec
Fire Rating	21A:89B	27A:183B	34A:233B	43A:233B	233B
Fire Class	A, B, C + Electrical				B, C
Internal Coating	Stoving Epoxy Primer				
Paint Finishing	RAL 3000 Flame Red Epoxy Polyester Powder Coating				
Mounting	Metal 'T' Wall Bracket				
Manufactured & Certified to	BS EN 3-7: 2004 + A1: 2007, BS EN 3-8: 2006 and BS EN 3-10: 2009				



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0343



EEF-6cs

EEF-9cs

EEF-9c

EEW-6cs

EEW-9cs

EEK-6cs

EEK-9cs

Model	EEF-6cs	EEF-9cs	EEF-9c	EEW-6cs	EEW-9cs	EEK-6cs	EEK-9cs
Type	Cartridge Operated Type						
Extinguishant	AFF Foam (Premix)		Water		Wet Chemical		
Capacity	6 litres	9 litres	9 litres	6 litres	9 litres	6 litres	9 litres
CO ₂ Gas Cartridge	55 g	75 g	75 g	55 g	55 g	35 g	55 g
Valve / Headcap	CE Marked Controllable Chrome Plated Brass Headcap with Safety Relief Valve						
Body Diameter	158 mm	178 mm	178 mm	158 mm	178 mm	158 mm	178 mm
Overall Height	585 mm	630 mm	630 mm	585 mm	630 mm	585 mm	630 mm
Approx Full Weight	11.1 kg	14.9 kg	14.9 kg	11.1 kg	14.8 kg	13.4 kg	18.7 kg
Working Temperature Range	+ 5°C to + 60°C						
Working Pressure	12 bar						
Test Pressure	25 bar						
Burst Pressure	Exceeds 69 bar						
Approx Discharge Range	4 m	6 m	6 m	4 m	6 m	>2 m	
Approx Discharge Time	58 sec	88 sec	42 sec	38 sec	49 sec	70 sec	84 sec
Fire Rating	13A:144B	21A:183B	13A:183B	13A	21A	8A:75F	13A:75F
Fire Class	A, B + Electrical Safety Test*		A, B	A + Electrical Safety Test*		A, F + Electrical Safety Test*	
Internal Coating	Thermoplastic Powder Coating (PPA)						
Paint Finishing	RAL 3000 Flame Red Epoxy Polyester Powder Coating						
Mounting	Metal 'T' Wall Bracket						
Manufactured & Certified to	BS EN 3-7: 2004 + A1: 2007, BS EN 3-8: 2006 and BS EN 3-10: 2009						

* Safe if in accidental contact with live electrical equipment. Comply with electrical conductivity test BS EN 3-7, Clause 9 Annex C



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Maintenance Tag



CR-EED-3

CR-EED-4N

CR-EED-6

CR-EED-9

CR-EED-12

Model	CR-EED-3	CR-EED-4N	CR-EED-6	CR-EED-9	CR-EED-12
Type	Stored Pressure Type				
Extinguishant	ABC Dry Powder				
Capacity	3 kg	4 kg	6 kg	9 kg	12 kg
Propellant	Nitrogen (N ₂)				
Valve	Controllable Chromed Plated Brass Valve with Pressure Indicator				
Body Diameter	130 mm	158 mm	158 mm	178 mm	188 mm
Overall Height	425 mm	475 mm	525 mm	587 mm	695 mm
Approx Full Weight	5.2 kg	7.0 kg	9.4 kg	13.2 kg	17.8 kg
Working Temperature Range	-20°C to + 60°C				
Working Pressure	12 bar				
Test Pressure	25 bar				
Burst Pressure	Exceeds 69 bar				
Approx Discharge Range	4 m	5 m	5 m	7 m	7 m
Approx Discharge Time	12 sec	18 sec	16 sec	18 sec	30 sec
Fire Rating	13A:89B	21A:113B	43A:233B	43A:233B	43A:233B
Fire Class	A, B, C + Electrical				
External Coating	Epoxy Marine Paint System Over Sandblasted Surface (RAL 3000) Flame Red				
Mounting	Galvanized Painted Red Metal 'L' Wall Bracket				
Maintenance Tag	Aluminium Alloy				
Manufactured & Certified to	BS EN-3				

*Other capacities available upon request



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Maintenance Tag



CR-EEF-2s

CR-EEF-6s

CR-EEF-9s

CR-EEW-6s

CR-EEW-9s

Model	CR-EEF-2s	CR-EEF-6s	CR-EEF-9s	CR-EEW-6s	CR-EEW-9s
Type			Stored Pressure Type		
Extinguishant		AFF Foam (Premix)		Water	
Capacity	2 litres	6 litres	9 litres	6 litres	9 litres
Propellant		Nitrogen (N ₂)			
Valve		Controllable Chrome Plated Brass Valve with Pressure Indicator			
Body Diameter	110 mm	158 mm	178 mm	158 mm	178 mm
Overall Height	398 mm	575 mm	625 mm	575 mm	625 mm
Approx Full Weight	3.7 kg	10.0 kg	13.8 kg	10.0 kg	13.7 kg
Working Temperature Range			+ 5°C to + 60°C		
Working Pressure			12 bar		
Test Pressure			25 bar		
Burst Pressure			Exceeds 69 bar		
Approx Discharge Range	1.5 m	4 m	6 m	4 m	6 m
Approx Discharge Time	15 sec	32 sec	57 sec	41 sec	75 sec
Fire Rating	5A:34B	13A:144B	21A:183B	13A	21A
Fire Class		A, B + Electrical Safety Test*		A + Electrical Safety Test*	
Internal Lining		Thermoplastic Powder Coating (PPA)			
External Coating		Epoxy Marine Paint System Over Sanblasted Surface (RAL 3000) Flame Red			
Mounting	Wire Bracket		Chrome Painted Red Metal 'L' Wall Bracket		
Maintenance Tag			Aluminium Alloy		
Manufactured & Certified to			BS EN 3		

*Safe if in accidental contact with live electrical equipment. Comply with electrical conductivity test BS EN 3-7, Clause 9 Annex C



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Maintenance Tag



CR-EEK-2s

CR-EEK-6s

CR-EEK-9s

Model	CR-EEK-2s	CR-EEK-6s	CR-EEK-9s
Type	Stored Pressure Type		
Extinguishant	Wet Chemical		
Capacity	2 litres	6 litres	9 litres
Propellant	Nitrogen (N ₂)		
Valve	Controllable Chrome Plated Brass Valve with Pressure Indicator		
Body Diameter	110 mm	158 mm	178 mm
Overall Height **	398 mm	575 mm	625 mm
Approx Full Weight	4.6kg	13.1 kg	18.5 kg
Working Temperature Range	0°C to + 60°C		
Working Pressure	12 bar		
Test Pressure	25 bar		
Burst Pressure	Exceeds 69 bar		
Approx Discharge Range	>2 m		
Approx Discharge Time	14 sec	55 sec	90 sec
Fire Rating	5A:5F	8A:75F	13A:75F
Fire Class	A, F Safety Test*		
Internal Lining	Thermoplastic Powder Coating (PPA)		
External Coating	Epoxy Marine Paint System Over Sandblasted Surface (RAL 3000) Flame Red		
Mounting	Wire Bracket	Chrome Painted Red Metal 'T' Wall Bracket	
Maintenance Tag	Aluminium Alloy		
Manufactured & Certified to	BS EN 3		

*Safe if in accidental contact with live electrical equipment. Comply with electrical conductivity test BS EN 3-7, Clause 9 Annex C

**Overall height measure from bottom upto valve handle



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Maintenance Tag



CR-EEC-2e2

CR-EEC-5e1

CR-EEC-2Ale2

CR-EEC-5Ale1

Model	CR-EEC-2e2	CR-EEC-5e1	CR-EEC-2Ale2	CR-EEC-5Ale1
Body Material	Cromoly Steel		Aluminium Alloy	
Extinguishant	Carbon Dioxide			
Capacity	2 kg	5 kg	2 kg	5 kg
Valve	Controllable Chrome Plated Brass Valve with Bursting Disc			
Body Diameter	105 mm	138 mm	111 mm	152 mm
Overall Height *	567 mm	747 mm	530 mm	675 mm
Approx Full Weight	6.7 kg	15.0 kg	5.5 kg	12.7 kg
Working Temperature Range	- 20°C to + 60°C			
Working Pressure	56 bar			
Test Pressure	250 bar			
Safety Disc Burst Pressure	180 - 200 bar			
Approx Discharge Range	3 m			
Approx Discharge Time	13 sec	23 sec	14 sec	24 sec
Fire Rating	34B	55B	34B	55B
Fire Class	B + Electrical			
Cylinder Specification	PED BS 5045 Part 7		PED BS 5045 Part 8	
Discharge Assembly	Swivel Horn	Hose & Fish Tail Horn	Swivel Horn	Hose & Fish Tail Horn
External Coating	Epoxy Marine Paint System Over Sandblasted Surface (RAL 3000) Flame Red			
Mounting	Chrome Painted Red Metal 'L' Wall Bracket			
Maintenance	Aluminium Alloy			
Manufactured & Certified to	BS EN 3			

*Overall height measure from bottom upto valve handle



KM 61549



Maintenance Tag



CR-EED-4c

CR-EED-6c

CR-EED-9c

CR-EED-12c

CR-EED-12cMX

Model	CR-EED-4c	CR-EED-6c	CR-EED-9c	CR-EED-12c	CR-EED-12cMX
Type	Cartridge Operated Type				
Extinguishant	ABC Dry Powder			Monnex™ Dry Powder	
Capacity	4 kg	6 kg	9 kg	12 kg	9 kg
CO ₂ Cartridge	75 g	110 g	150 g	225 g	225 g
Valve / Headcap	Controllable Chrome Plated Brass Headcap with Safety Relief Valve				
Body Diameter	158 mm	158 mm	178 mm	188 mm	188 mm
Overall Height	480 mm	535 mm	595 mm	710 mm	710 mm
Approx Full Weight	7.9 kg	10.4 kg	14.1 kg	19.1 kg	16.4 kg
Working Temperature Range	- 20°C to + 60°C				
Working Pressure	12 bar				
Test Pressure	25 bar				
Burst Pressure	Exceeds 69 bar				
Approx Discharge Range	2 - 3 m	5 m	7 m	7 m	7 m
Approx Discharge Time	20 sec	20 sec	22 sec	31 sec	19 sec
Fire Rating	21A:89B	27A:183B	34A:233B	43A:233B	233B
Fire Class	A, B, C + Electrical			B, C + Electrical	
External Coating	Epoxy Marine Paint System Over Sandblasted Surface (RAL 3000) Flame Red				
Mounting	Chrome Painted Red Metal 'T' Wall Bracket				
Maintenance Tag	Aluminium Alloy				
Manufactured & Certified to	BS EN-3				



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Maintenance Tag



CR-EEF-6cs

CR-EEF-9cs

CR-EEF-9c

CR-EEW-6cs

CR-EEW-9cs

CR-EEK-6cs

CR-EEK-9cs

Model	CR-EEF-6cs	CR-EEF-9cs	CR-EEF-9c	CR-EEW-6cs	CR-EEW-9cs	CR-EEK-6cs	CR-EEK-9cs
Type	AFF Foam (Premix)			Cartridge Operated Type			
Extinguishant	AFF Foam (Premix)			Water		Wet Chemical	
Capacity	6 litres	9 litres	9 litres	6 litres	9 litres	6 litres	9 litres
CO ₂ Cartridge	55 g	75 g	75 g	55 g	55 g	35 g	55 g
Valve / Headcap	Controllable Chrome Plated Brass Headcap with Safety Relief Valve						
Body Diameter	158 mm	178 mm	178 mm	158 mm	178 mm	158 mm	178 mm
Overall Height	585 mm	630 mm	630 mm	585 mm	630 mm	585 mm	630 mm
Approx Full Weight	11.1 kg	14.9 kg	14.9 kg	11.1 kg	14.8 kg	13.4 kg	18.7 kg
Working Temperature Range	+ 5°C to + 60°C						
Working Pressure	12 bar						
Test Pressure	25 bar						
Burst Pressure	Exceeds 69 bar						
Approx Discharge Range	4 m	6 m	6 m	4 m	6 m	>2 m	
Approx Discharge Time	58 sec	88 sec	42 sec	38 sec	49 sec	70 sec	84 sec
Fire Rating	13A:144B	21A:183B	13A:183B	13A	21A	8A:75F	13A:75F
Fire Class	A, B + Electrical Safety Test*		A, B	A + Electrical Safety Test*		A, F Safety Test*	
Internal Lining	Thermoplastic Powder Coating (PPA)						
External Coating	Epoxy Marine Paint System Over Sandblasted Surface (RAL 3000) Flame Red						
Mounting	Chrome Painted Red Metal 'T' Wall Bracket						
Maintenance Tag	Aluminium Alloy						
Manufactured & Certified to	BS EN 3						

*Safe if in accidental contact with live electrical equipment. Comply with electrical conductivity test BS EN 3-7, Clause 9 Annex C



EED 1 EED 2 EED 2N EED 3 EED 4/45/5 EED 6 EED 9 EED 12

Model	EED 1	EED 2	EED 2N	EED 3	EED 4	EED 45	EED 5	EED 6	EED 9	EED 12
Type	Stored Pressure Type									
Extinguishant	ABC Dry Powder									
Capacity	1 kg	2 kg	2 kg	3 kg	4 kg	4.5 kg	5 kg	6 kg	9 kg	12 kg
Propellant	Nitrogen (N ₂)									
Valve	Controllable Non Ferrous Valve with Pressure Indicator									
Body Diameter	79 mm	110 mm	100 mm	130 mm	158 mm	158 mm	158 mm	158 mm	178 mm	188 mm
Overall Height	325 mm	370 mm	420 mm	425 mm	475 mm	475 mm	475 mm	525 mm	587 mm	695 mm
Approx Full Weight	1.8 kg	3.3 kg	3.4 kg	5.0 kg	6.9 kg	7.4 kg	7.9 kg	9.3 kg	13.1 kg	17.6 kg
Working Temperature Range	-20°C to + 60°C									
Working Pressure	12 bar									
Test Pressure	25 bar									
Burst Pressure	Exceeds 69 bar									
Approx Discharge Range	2m - 3m	2m - 4m	2m - 4m	5m - 6m	5m	5m	5m	6m - 7m	6m - 7.5m	7m
Approx Discharge Time	9 sec	12 sec	12 sec	14 sec	20 sec	20 sec	20 sec	17 sec	20 sec	30 sec
Fire Rating	5A:21B	8A:34B	8A:34B	13A:55B	13A:70B	13A:113B	13A:113B	21A:113B	27A:144B	43A:183B
Fire Class	A, B, C + Electrical									
Internal Coating	Stoving Epoxy Primer									
Paint Finishing	RAL 3000 Flame Red Epoxy Polyester Powder Coating									
Mounting	Plastic Bracket	Wire Bracket		Metal 'L' Wall Bracket						
Designed & Manufactured to	EN 3									



EEF 2s

EEF 6s

EEF 9s

EEW 6s

EEW 9s

Model	EEF 2s	EEF 6s	EEF 9s	EEW 6s	EEW 9s
Type			Stored Pressure Type		
Extinguishant		AFF Foam (Premix)			Water
Capacity	2 litres	6 litres	9 litres	6 litres	9 litres
Propellant		Nitrogen (N ₂)			
Valve		Controllable Chrome Plated Brass Valve with Pressure Indicator			
Body Diameter	110 mm	158 mm	178 mm	158 mm	178 mm
Overall Height	398 mm	575 mm	625 mm	575 mm	625 mm
Approx Full Weight	3.7 kg	10.0 kg	13.7 kg	10.0 kg	13.7 kg
Working Temperature Range		+ 5°C to + 60°C			
Working Pressure		12 bar			
Test Pressure		25 bar			
Burst Pressure		Exceeds 69 bar			
Approx Discharge Range	1.5 m	4 m	6 m	4 m	6 m
Approx Discharge Time	15 sec	32 sec	57 sec	41 sec	75 sec
Fire Rating	5A:34B	8A:113B	13A:183B	13A	13A
Fire Class		A, B + Electrical Safety Test*		A + Electrical Safety Test*	
Internal Lining		Thermoplastic Powder Coating (PPA)			
Paint Finishing		RAL 3000 Flame Red Epoxy Polyester Powder Coating			
Mounting	Wire Bracket				Metal 'L' Wall Bracket
Designed & Manufactured to		EN 3			

* Safe if in accidental contact with live electrical equipment



EEC 2e2

EEC 3

EEC 5e1

EEC 6.8

Model	EEC 2e2	EEC 3	EEC 5e1	EEC 6.8
Body Material			Steel	Steel
Extinguishant	Carbon Dioxide (CO ₂)			
Capacity	2 kg	3 kg	5 kg	6.8 kg
Valve	CE Marked Controllable Chrome Plated Brass Valve			
Body Diameter	114 mm	140 mm	152 mm	156 mm
Overall Height*	510 mm	520 mm	670 mm	778 mm
Approx Full Weight	7.6 kg	11.2 kg	17.6 kg	19.4 kg
Working Temperature Range	-20°C to +60°C			
Working Pressure	56 bar			
Test Pressure	250 bar			
Burst Pressure	180 - 200 bar			
Approx Discharge Range	3 m			
Approx Discharge Time	13 sec	14 sec	23 sec	16 sec
Fire Rating	34B	34B	55B	55B
Fire Class	B + Electrical			
Cylinder Specification	ISO 9809	ISO 9809	BS 5045 Part 7	EN 1964-1
Discharge Assembly	Swivel Horn	Swivel Horn	Hose & Fish Tail Horn	Hose & Circular Horn
Paint Finishing	RAL 3000 Flame Red Epoxy Polyester Powder Coating			
Mounting	Metal 'L' Wall Bracket			
Designed & Manufactured to	EN 3			

* Overall height measure from bottom upto valve handle



Maintenance Tag

CR-EED-12Mx

CR-EEC-6.8

Model	CR-EED-12Mx	CR-EEC-6.8
Type	Stored Pressure Type	
Extinguishant	Monnex™ Dry Powder	Carbon Dioxide
Capacity	9 kg	6.8 kg
Propellant / CO ₂ Cartridge	Nitrogen (N ₂)	Carbon Dioxide
Valve	Controllable Chrome Plated Brass Valve with Pressure Indicator	Controllable Chrome Plated Brass Valve with Bursting Disc
Body Diameter	188 mm	156 mm
Overall Height	695 mm	778 mm
Approx Full Weight	14.6 kg	19.4 kg
Working Temperature Range	-20°C to +60°C	
Working Pressure	12 bar	56 bar
Test Pressure	25 bar	250 bar
Burst Pressure	Exceeds 69 bar	N/A
Approx Discharge Range	7 m	3 m
Approx Discharge Time	23 sec	16 sec
Fire Rating	233B	55B
Fire Class	B, C + Electrical	B + Electrical
External Coating	Epoxy Marine Paint System Over Sandblasted Surface (RAL 3000) Flame Red	
Mounting	Galvanized Painted Red Metal 'L' Wall Bracket	
Maintenance Tag	Aluminium Alloy	
Designed & Manufactured to	EN 3	



EED-1

EED-2

EED-3

EED-4

EED-6

EED-9

Model	EED-1	EED-2	EED-3	EED-4	EED-6	EED-9
Type	Stored Pressure Type					
Extinguishant	ABC Dry Powder					
Capacity	1 kg	2 kg	3 kg	4 kg	6 kg	9 kg
Propellant	Dry Nitrogen (N ₂)					
Valve	Controllable Non Ferrous Valve with Pressure Indicator					
Body Diameter	79 mm	110 mm	130 mm	130 mm	158 mm	178 mm
Overall Height	325 mm	370 mm	425 mm	525 mm	525 mm	587 mm
Approx Full Weight	1.8 kg	3.3 kg	5.0 kg	6.3 kg	9.3 kg	13.1 kg
Working Temperature Range	-20°C to +60°C					
Working Pressure	12 bar					
Test Pressure	25 bar					
Burst Pressure	Exceeds 69 bar					
Approx Discharge Range	2 m	2.5 m	4 m	5 m	5 m	7 m
Approx Discharge Time	11 sec	16 sec	12 sec	18 sec	16 sec	18 sec
Fire Rating	5A:34B	13A:55B	13A:89B	13A:113B	43A:233B	43A:233B
Fire Class	A, B					
Internal Coating	Stoving Epoxy Primer					
Paint Finishing	RAL 3000 Flame Red Epoxy Polyester Powder Coating					
Mounting	Plastic Bracket	L'Bracket	Metal 'L' Wall Bracket			
Manufactured & Certified to	SS EN 3-7: 2012 & SS EN 3-8 : 2012					



EEF-6s

EEF-9s

EEC-2e2

EEC-5e1

Model	EEF-6s	EEF-9s	EEC-2e2	EEC-5e1
Type	Stored Pressure Type		Stored Pressure Type	
Extinguishant	AFF Foam (Premix)		Carbon Dioxide	
Capacity	6 litres	9 litres	2 kg	5 kg
Propellant	Nitrogen (N ₂)		N/A	
Valve	Controllable Chrome Plated Brass Valve with Pressure Indicator		CE Marked Controllable Chrome Plated Brass Valve	
Body Diameter	158 mm	178 mm	105 mm	138 mm
Overall Height	575 mm	625 mm	567 mm	747 mm
Approx Full Weight	10.0 kg	13.7 kg	6.7 kg	15.0 kg
Working Temperature Range	+ 5°C to + 60°C		- 20°C to + 60°C	
Working Pressure	12 bar		56 bar	
Test Pressure	25 bar		250 bar	
Burst Pressure	Exceeds 69 bar		180 - 200 bar	
Approx Discharge Range	4 m	6 m	3 m	
Approx Discharge Time	32 sec	57 sec	13 sec	23 sec
Fire Rating	13A:144B	21A:183B	34B	55B
Fire Class	A, B		B	
Internal Coating	Thermoplastic Powder Coating (PPA)			
Cylinder Specification	N/A		84 / 525 / EEC, BS 5045 Part 7, PED	
Discharge Assembly	N/A		Swivel Horn	Hose & Fish Tail Horn
Paint Finishing	RAL 3000 Flame Red Epoxy Polyester Powder Coating			
Mounting	Metal 'L' Wall Bracket			
Manufactured & Certified to	SS EN 3-7 : 2012 & SS EN 3-8 : 2012		SS EN 3-7 : 2012 & SS EN 3-9 : 2012	



GSD-1sh

GSD-2sv

GSD-2sh

GSD-25s

GSD-45s

GSD-9s

Model	GSD-1s / DFS10	GSD-1sh	GSD-2sv	GSD-2sh	GSD-25s / DFS25	GSD-45s / DFS45	GSD-6s	GSD-9s / DFS90
Type	Stored Pressure Type							
Extinguishant	ABE Dry Powder							
Capacity	1 kg		2 kg		2.5 kg		4.5 kg	
Propellant	Dry Nitrogen (N ₂)							
Valve	Controllable Valve with Pressure Indicator							
Valve Material	Powder Coated Steel				Stainless Steel Handles			
Body Diameter	79 mm	79 mm	113 mm	113 mm	130 mm	130 mm	158 mm	178 mm
Overall Height	330 mm	330 mm	375 mm	400 mm	423 mm	460 mm	512 mm	590 mm
Approx Full Weight	1.8 kg	1.9 kg	3.4 kg	3.6 kg	4.6 kg	7.6 kg	9.6 kg	13.3 kg
Working Temperature Range	-20°C to +60°C							
Working Pressure	1200kPa @ 23 +/- 2°C							
Test Pressure	2.5Mpa							
Burst Pressure	Exceeds 6.9Mpa							
Fire Rating	1A:10B:E	1A:10B:E	2A:30B:E	2A:30B:E	3A:40B:E	4A:40B:E	4A:80B:E	6A:80B:E
Fire Class	ABC + Electrical							
Paint Finishing	RAL 3000 Flame Red Polyester Powder Coating							
Mounting	Steel Wire Bracket						Wall Bracket	
Manufactured & Certified to	AS/NZS 1841.5:2007							

MOBILE FIRE EXTINGUISHER

Eversafe Product International Standards/Directives

- European Standard - BS EN 1866
- PED (Pressure Equipment Directive)
- MED (Marine Equipment Directive)

Mobile Extinguisher Features

- Seamless steel CO2 cylinder
- Compact and ergonomic design
- Engineered for one man operation
- Externally coated with epoxy polyester powder
- Passed 480-hours salt spray test

Corrosion Resistant Features

- Reinforced synthetic rubber hose
- Cylinder is externally coated with Epoxy Marine Paint System over sandblasted surface
- Trolley wheels with stainless steel rim
- Passed salt spray test for 720 hours, 1.5 times the usual test period of 480 hours



Types Of Extinguishers

<p>Dry Chemical Powder (ABC)</p>	<p>Mixture of highly efficient mono-ammonium phosphate and ammonium sulphate ground to selected particle sizes. It is a versatile and safe extinguishant, and is ideally suited to environment where the fire hazard is mixed. It also fast offers fast protection against reignition and heat reduction. Effective against class A, B, C and live electrical fires.</p>
<p>Monnex™ Dry Powder</p>	<p>Based on potassium bicarbonate-urea complex. Monnex is particularly effective against fire involving alcohols, ketones and esters, which are more difficult for conventional fire fighting agents. It is recommended for high risk situation and should be used when rapid knockdown is required for class B and C fires. It is particularly use in refineries, petrochemical complexes and other high hazard areas.</p>
<p>Foam/Fluorine Free (AFFF/FF)</p>	<p>AFFF C6 is synthetic aqueous film forming foam concentrate consists of specific fluorinated and hydrocarbon surfactants to allow formation of an aqueous film on the surface of most hydrocarbon fuels, suppressing vapour leaks and preventing its contact with the oxygen and providing an excellent sealing on hot surfaces. Its formulation allows a great oil repellence, fluidity and burnback resistance.</p>
<p>Carbon Dioxide (CO₂)</p>	<p>The ideal agent for use on class B fires. It is non toxic, non conductive and non corrosive inert gas which works by smothering the flames and reducing the oxygen content of the air around fire. This agent also safe to use on live electrical fires.</p>

Stored Pressure Type



Valve

- Common Valve with Standard Thread Sizes for All Models
- Chromed Valve Body



Pressure Gauge

- Unique gauge testing function

Cartridge Operated Type



Head Cap & Lever

- Common Valve with Standard Thread Sizes for All Models
- Pressure Relief Vent Prevents Buildup of Excessive Pressure in Cylinder
- Chromed Valve Body

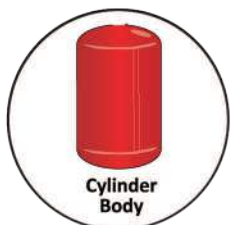


Gas Cartridge



- Easy Replaceable During Service or Maintenance
- Common Valve with Standard Thread Sizes for All Models

General components



Cylinder Body



- UV & Fade Resistant
- Withstand Twice Its Working Pressure
- Corrosion Resistant



Nozzle c/w Swivel Connector



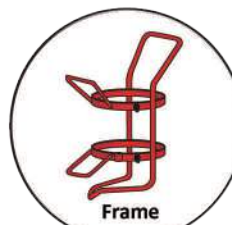
- Multi-directional Operation
- Designed to Guarantee Superb Performance



Hose Guide



- Smooth Gliding
- Provides Stability to Prevent Toppling Over



Frame



- Compact and Ergonomic Design Engineered for One-Man Operation



Anti-Kink Hose Spring

Prevent Kinking Around Bent Corners



Steel Rim

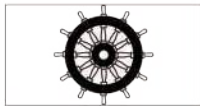
Steel Rims Available Upon Request (c/w Rod Bearings)



KM 544838



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MPM-25

MPM-50

MPG-25

MPG-50

Model	MPM-25	MPM-50	MPG-25	MPG-50
Type	Stored Pressure		Gas Cartridge	
Extinguishant	ABC Dry Powder			
Capacity	25 kg	50 kg	25 kg	50 kg
Propellant	Nitrogen (N ₂)		Carbon Dioxide (CO ₂)	
Valve / Headcap	Brass Valve with Pressure Gauge		Brass Headcap with Safety Relief Valve	
CO ₂ Cartridge	N/A		0.55 kg	1 kg
Discharge Hose	13 mm x 6 m	16 mm x 6 m	13 mm x 6 m	16 mm x 6 m*
Wheel Diameter	300 mm			
Frame Work	Steel Pipe / Flat Bar			
Cylinder Material	Steel			
Body Diameter	250 mm	386 mm	250 mm	386 mm
Overall Height	895 mm	975 mm	895 mm	975 mm
Overall Width	460 mm	570 mm	460 mm	570 mm
Overall Depth	550 mm	730 mm	550 mm	730 mm
Approx Empty Weight	22 kg	39 kg	28 kg	43 kg
Approx Full Weight	47 kg	89 kg	53 kg	93 kg
Working Temperature Range	- 20°C to + 60°C			
Working Pressure	12 bar			
Test Pressure	21.5 bar			
Safety Valve Lift Pressure	17 - 21 bar		18 - 20 bar	
Approx Discharge Time	48 sec	61 sec	52 sec	71 sec
Approx Discharge Range	9 m	10 m	9 m	11 m
Fire Rating	A I B C	A I I B C	A I B C	A I I B C
Fire Class	A , B, C + Electrical			
Paint Finishing	RAL 3000 Flame Red Epoxy Polyester Powder Coating			
Manufactured & Certified to	BS EN 1866 : 2007			

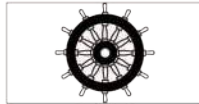
* 10m and 20m hose length available on request



KM 544838



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MFM-45

MFM-135

MFG-45

MFG-135

MFG-150

Model	MFM-45	MFM-135	MFG-45	MFG-135	MFG-150
Type	Stored Pressure Type		Gas Cartridge Type		
Extinguishant	AFF Foam (Premix)		AFF Foam (Premix)		
Capacity	45 litres	135 litres	45 litres	135 litres	150 litres
Propellant	Nitrogen (N ₂)		Carbon Dioxide (CO ₂)		
Valve / Headcap	Brass Valve with Pressure Gauge		Brass Headcap with Safety Relief Valve		
CO ₂ Cartridge	N/A		1 kg	2 kg	2 kg
Discharge Hose	16 mm x 6 m	19 mm x 6 m	16 mm x 6 m*	19 mm x 6 m*	19 mm x 6 m
Wheel Diameter	300 mm	350 mm	300 mm	350 mm	350 mm
Frame Work	Steel Pipe / Flat Bar				
Cylinder Material	Steel				
Body Diameter	386 mm	454 mm	386 mm	454 mm	454 mm
Overall Height	980 mm	1395 mm	980 mm	1395 mm	1450 mm
Overall Width	565 mm	685 mm	565 mm	685 mm	685 mm
Overall Depth	670 mm	930 mm	670 mm	930 mm	930 mm
Approx Empty Weight	46 kg	101 kg	52 kg	108 kg	118 kg
Approx Full Weight	91 kg	236 kg	97 kg	243 kg	268 kg
Working Temperature Range	+ 5°C to + 60°C				
Working Pressure	12 bar				
Test Pressure	21.5 bar	22.5 bar	21.5 bar	22.5 bar	22.5 bar
Safety Valve Lift Pressure	17 - 21 bar		18 - 20 bar		
Approx Discharge Time	109 sec	206 sec	162 sec	282 sec	368 sec
Approx Discharge Range	10 - 12 m	11 - 13 m	10 - 12 m	11 - 13 m	11 - 13 m
Fire Rating	A IIIB	A IVB	A IIIB	A IVB	A IVB
Fire Class	A, B				
Internal Coating	High Build Epoxy Tank Coating				
Paint Finishing	RAL 3000 Flame Red Epoxy Polyester Powder Coating				
Manufactured & Certified to	BS EN 1866 : 2007				

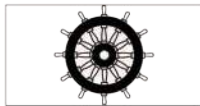
* 20 meter hose length available on request



KM 544838



0343



0098



MCO-10

MCO-20

MCO-10T

Model	MCO-10	MCO-20	MCO-10T
Capacity	10 kg	20 kg	10 kg x 2
Style	Single		Twin
Extinguishant	Carbon Dioxide (CO ₂)		
Operating Head	Pai Mark (TPED) Brass Screw Down Valve with Safety Relief Valve		
Cylinder Thread	25E		
Discharge Hose	High Pressure Hose		
Hose Internal Diameter x Length	9.5 mm x 6 m*		
Discharge Horn	Plastic with On / Off Valve		
Cylinder Specification	EN ISO 9809-1 TPED	EN 1964 Part 1 TPED	EN ISO 9809-1 TPED
- Diameter	156 mm	229 mm	156 mm
- Nominal Height	990 mm	1210 mm	990 mm
Frame Work	Steel pipe / Flat Bar		
Overall Height	1065 mm	1210 mm	1040 mm
Overall Width	465 mm	565 mm	515 mm
Overall Depth	860 mm	1260 mm	1050 mm
Approx Empty Weight	33 kg	80 kg	50 kg
Approx Full Weight	43 kg	100 kg	70 kg
Wheel Diameter	300 mm		
Working Temperature Range	- 20°C to + 60°C		
Working Pressure	56 bar		
Cylinder Test Pressure	250 bar		
Approx Discharge Time	53 sec	61 sec	83 sec
Approx Discharge Range	4 m		
Fire Rating	70B	89B	89B
Fire Class	B + Electrical		
Paint Finishing	RAL 3000 Flame Red Epoxy Polyester Powder Coating		
Manufactured & Certified to	BS EN 1866 : 2007		

* 30 meter hose length available on request



KM 544838



0343



MPM-25

MPM-50

MPG-25

MPG-50

Model	MPM-25	MPM-50	MPG-25	MPG-50
Type	Stored Pressure Type		Gas Cartridge Type	
Extinguishant	ABC Dry Powder			
Capacity	25 kg	50 kg	25 kg	50 kg
Propellant	Nitrogen (N ₂)		Carbon Dioxide (CO ₂)	
Valve / Headcap	Brass Valve with Pressure Gauge		Brass Headcap with Safety Relief Valve	
CO ₂ Cartridge	N/A		0.55 kg	1 kg
Discharge Hose	13 mm x 6 m	16 mm x 6 m	13 mm x 6 m	16 mm x 6 m*
Wheel Diameter	300 mm			
Frame Work	Steel Pipe / Flat Bar			
Cylinder Material	Steel			
Body Diameter	250 mm	386 mm	250 mm	386 mm
Overall Height	895 mm	975 mm	895 mm	975 mm
Overall Width	460 mm	570 mm	460 mm	570 mm
Overall Depth	550 mm	730 mm	550 mm	730 mm
Approx Empty Weight	22 kg	39 kg	28 kg	43 kg
Approx Full Weight	47 kg	89 kg	53 kg	93 kg
Working Temperature Range	- 20°C to + 60°C			
Working Pressure	12 bar			
Test Pressure	21.5 bar			
Safety Valve Lift Pressure	17 - 21 bar		18 - 20 bar	
Approx Discharge Time	48 sec	61 sec	52 sec	71 sec
Approx Discharge Range	9 m	10 m	9 m	11 m
Fire Rating	A B C	A I B C	A B C	A I B C
Fire Class	A , B, C + Electrical			
Paint Finishing	RAL 3000 Flame Red Epoxy Polyester Powder Coating			
Manufactured & Certified to	BS EN 1866 : 2007			

* 10 meter hose length available on request



KM 544838



0343



MFM-45

MFM-135

MFG-45

MFG-135

MFG-150

Model	MFM-45	MFM-135	MFG-45	MFG-135	MFG-150
Type	Stored Pressure Type		Gas Cartridge Type		
Extinguishant	AFF Foam (Premix)				
Capacity	45 litres	135 litres	45 litres	135 litres	150 litres
Propellant	Nitrogen (N ₂)		Carbon Dioxide (CO ₂)		
Valve / Headcap	Brass Valve with Pressure Gauge		Brass Headcap with Safety Relief Valve		
CO ₂ Cartridge	N/A		1 kg	2 kg	2 kg
Discharge Hose	16 mm x 6 m	19 mm x 6 m	16 mm x 6 m*	19 mm x 6 m*	19 mm x 6 m
Wheel Diameter	300 mm	350 mm	300 mm	350 mm	350 mm
Frame Work	Steel Pipe / Flat Bar				
Cylinder Material	Steel				
Body Diameter	386 mm	454 mm	386 mm	454 mm	454 mm
Overall Height	980 mm	1395 mm	980 mm	1395 mm	1450 mm
Overall Width	565 mm	685 mm	565 mm	685 mm	685 mm
Overall Depth	670 mm	930 mm	670 mm	930 mm	930 mm
Approx Empty Weight	46 kg	101 kg	52 kg	108 kg	118 kg
Approx Full Weight	91 kg	236 kg	97 kg	243 kg	268 kg
Working Temperature Range	+ 5°C to + 60°C				
Working Pressure	12 bar				
Test Pressure	21.5 bar	22.5 bar	21.5 bar	22.5 bar	22.5 bar
Safety Valve Lift Pressure	17 - 21 bar		18 - 20 bar		
Approx Discharge Time	109 sec	206 sec	162 sec	282 sec	368 sec
Approx Discharge Range	10 - 12 m	11 - 13 m	10 - 12 m	11 - 13 m	11 - 13 m
Fire Rating	A IIIB	A IVB	A IIIB	A IVB	A IVB
Fire Class	A, B				
Internal Coating	High Build Epoxy Tank Coating				
Paint Finishing	RAL 3000 Flame Red Epoxy Polyester Powder Coating				
Manufactured & Certified to	BS EN 1866 : 2007				

* 20 meter hose length available on request



KM 544838



0343



MCO-10

MCO-20

MCO-10T

Model	MCO-10	MCO-20	MCO-10T
Capacity	10 kg	20 kg	10 kg x 2
Style	Single		Twin
Extinguishant	Carbon Dioxide (CO ₂)		
Operating Head	Pai Mark (TPED) Brass Screw Down Valve with Safety Relief Valve		
Cylinder Thread	25E		
Discharge Hose	High Pressure Hose		
Hose Internal Diameter x Length	9.5 mm x 6 m*		
Discharge Horn	Plastic with On / Off Valve		
Cylinder Specification	EN ISO 9809-1 TPED	EN 1964 Part 1 TPED	EN ISO 9809-1 TPED
- Diameter	156 mm	229 mm	156 mm
- Nominal Height	990 mm	1210 mm	990 mm
Frame Work	Steel pipe / Flat Bar		
Overall Height	1065 mm	1210 mm	1040 mm
Overall Width	465 mm	565 mm	515 mm
Overall Depth	860 mm	1260 mm	1050 mm
Approx Empty Weight	33 kg	80 kg	50 kg
Approx Full Weight	43 kg	100 kg	70 kg
Cylinder / Frame Finish	RAL 3000 Flame Red Epoxy Polyester Powder Coating		
Wheel Diameter	300 mm		
Working Temperature Range	- 20°C to + 60°C		
Working Pressure	56 bar		
Cylinder Test Pressure	250 bar		
Approx Discharge Time	53 sec	61 sec	83 sec
Approx Discharge Range	4 m		
Fire Rating	70B	89B	89B
Fire Class	B + Electrical		
Manufactured & Certified to	BS EN 1866 : 2007		

* 30 meter hose length available on request



KM 544838



Maintenance Tag



CR-MPM-25

CR-MPM-50

CR-MPG-25

CR-MPG-50

Model	CR-MPM-25	CR-MPM-50	CR-MPG-25	CR-MPG-50
Type	Stored Pressure Type		Gas Cartridge Type	
Extinguishant**	ABC Dry Powder			
Capacity***	25 kg	50 kg	25 kg	50 kg
Propellant	Nitrogen (N ₂)		Carbon Dioxide (CO ₂)	
Valve / Headcap	Brass Valve with Pressure Gauge		Brass Headcap with Safety Relief Valve	
CO ₂ Cartridge	N/A		0.55 kg	1 kg
Discharge Hose	13 mm x 6 m	16 mm x 6 m	13 mm x 6 m	16 mm x 6 m*
Wheel Diameter	300 mm			
Cylinder Material	Steel			
Body Diameter	250 mm	386 mm	250 mm	386 mm
Overall Height	895 mm	975 mm	895 mm	975 mm
Overall Width	460 mm	570 mm	460 mm	570 mm
Overall Depth	550 mm	730 mm	550 mm	730 mm
Approx Empty Weight	22 kg	39 kg	28 kg	43 kg
Approx Full Weight	47 kg	89 kg	53 kg	93 kg
Working Temperature Range	- 20°C to + 60°C			
Working Pressure	12 bar			
Test Pressure	21.5 bar			
Safety Valve Lift Pressure	17 - 21 bar		18 - 20 bar	
Approx Discharge Time	48 sec	61 sec	52 sec	71 sec
Approx Discharge Range	9 m	10 m	9 m	11 m
Fire Rating	A I B C	A I I B C	A I B C	A I I B C
Fire Class	A , B, C + Electrical			
External Coating	Epoxy Marine Paint System Over Sandblasted Surface (RAL 3000) Flame Red			
Maintenance Tag	Aluminium Alloy			
Manufactured & Certified to	BS EN 1866			

*10 meter hose length available upon request

**Other type of extinguishant e.g. Monnex Powder available upon request

***Other capacities available upon request



KM 544838



Maintenance Tag



CR-MFM-45

CR-MFM-135

CR-MFG-45

CR-MFG-135

CR-MFG-150

Model	CR-MFM-45	CR-MFM-135	CR-MFG-45	CR-MFG-135	CR-MFG-150
Type	Stored Pressure Type		Gas Cartridge Type		
Extinguishant	Nitrogen (N ₂)		Carbon Dioxide (CO ₂)		
Capacity**	45 litres	135 litres	45 litres	135 litres	150 litres
Propellant	Nitrogen (N ₂)		Carbon Dioxide (CO ₂)		
Valve / Headcap	Brass Valve with Pressure Gauge		Brass Headcap with Safety Relief Valve		
CO ₂ Cartridge	N/A		1 kg	2 kg	2 kg
Discharge Hose	16 mm x 6 m	19 mm x 6 m	16 mm x 6 m*	19 mm x 6 m*	19 mm x 6 m
Wheel Diameter	300 mm	350 mm	300 mm	350 mm	350 mm
Frame Work	Steel Pipe / Flat Bar				
Cylinder Material	Steel				
Body Diameter	386 mm	454 mm	386 mm	454 mm	454 mm
Overall Height	980 mm	1395 mm	980 mm	1395 mm	1450 mm
Overall Width	565 mm	685 mm	565 mm	685 mm	685 mm
Overall Depth	670 mm	930 mm	670 mm	930 mm	930 mm
Approx Empty Weight	46 kg	101 kg	52 kg	108 kg	118 kg
Approx Full Weight	91 kg	236 kg	97 kg	243 kg	268 kg
Working Temperature Range	+ 5°C to + 60°C				
Working Pressure	12 bar				
Test Pressure	21.5 bar	22.5 bar	21.5 bar	22.5 bar	22.5 bar
Safety Valve Lift Pressure	17 - 21 bar		18 - 20 bar		
Approx Discharge Time	109 sec	206 sec	162 sec	282 sec	368 sec
Approx Discharge Range	10 - 12 m	11 - 13 m	10 - 12 m	11 - 13 m	11 - 13 m
Fire Rating	A IIIB	A IVB	A IIIB	A IVB	A IVB
Fire Class	A, B				
Internal Lining	High Build Epoxy Tank Coating				
External Coating	Epoxy Marine Paint System Over Sandblasted Surface (RAL 3000) Flame Red				
Maintenance Tag	Aluminium Alloy				
Manufactured & Certified to	BS EN 1866				

*20 meter hose length available upon request

**Other capacities available upon request



KM 544838



Maintenance Tag



CR-MCO-10

CR-MCO-20

CR-MCO-10T

Model	CR-MCO-10	CR-MCO-20	CR-MCO-10T
Capacity**	10 kg	20 kg	10 kg x 2
Style		Single	Twin
Extinguishant	Carbon Dioxide (CO ₂)		
Operating Head	Pai Mark (TPED) Brass Screw Down Valve with Safety Burst Disc		
Cylinder Thread	25E		
Discharge Hose	High Pressure Hose		
Hose Internal Diameter x Length	9.5 mm x 6 m*		
Discharge Horn	Plastic with On / Off Valve		
Cylinder Specification	EN ISO 9809-1	EN 1964 Part 1 TPED	EN ISO 9809-1
- Diameter	156 mm	229 mm	156 mm
- Nominal Height	990 mm	1210 mm	990 mm
Frame Work	Steel Pipe / Flat Bar (Foldable Frame)		
Overall Height	1065 mm	1210 mm	1040 mm
Overall Width	465 mm	565 mm	515 mm
Overall Depth	860 mm	1260 mm	1050 mm
Approx Empty Weight	33 kg	80 kg	50 kg
Approx Full Weight	43 kg	100 kg	70 kg
External Coating	Epoxy Marine Paint System Over Sanblasted Surface (RAL 3000) Flame Red		
Wheel Diameter	300 mm		
Working Temperature Range	- 20°C to + 60°C		
Working Pressure	56 bar		
Cylinder Test Pressure	250 bar		
Approx Discharge Time	53 sec	61 sec	83 sec
Approx Discharge Range	4 m	4 m	4 m
Fire Rating	70B	89B	89B
Fire Class	B + Electrical		
Maintenance Tag	Aluminium Alloy		
Manufactured & Certified to	BS EN 1866	BS EN 1866	BS EN 1866

*30 meter hose length available upon request

**Other capacities available upon request



MPM 25

MPM 50

MPM 75

Model	MPM 25	MPM 50	MPM 75
Type		Stored Pressure Type	
Extinguishant		ABC Dry Powder	
Capacity	25 kg	50 kg	75 kg
Propellant		Nitrogen (N ₂)	
Valve / Headcap		Brass Valve with Pressure Gauge	
Discharge Hose	13 mm x 6 m	16 mm x 6 m	19 mm x 6 m
Wheel Diameter		300 mm	
Frame Work		Steel Pipe / Flat Bar	
Cylinder Material		Steel	
Body Diameter	250 mm	386 mm	386 mm
Overall Height	895 mm	975 mm	1090 mm
Overall Width	460 mm	570 mm	570 mm
Overall Depth	550 mm	655 mm	720 mm
Approx Empty Weight	22 kg	39 kg	59 kg
Approx Full Weight	47 kg	89 kg	134 kg
Working Temperature Range		- 20°C to + 60°C	
Working Pressure		12 bar	
Test Pressure		21.5 bar	
Safety Valve Lift Pressure		17 - 21 bar	
Approx Discharge Time	48 sec	61 sec	70 sec
Approx Discharge Range	9 m	10 m	12 m
Fire Rating	A I B C	A I I B C	A I I I B C
Fire Class		A , B, C + Electrical	
Paint Finishing		RAL 3000 Flame Red Epoxy Polyester Powder Coating	
Designed & Manufactured to		EN 1866	



MFM 45

MFM 100

MFM 150

Model	MFM 45	MFM 100	MFM 150
Type		Stored Pressure Type	
Extinguishant		AFF Foam (Premix)	
Capacity	45 litres	100 litres	150 litres
Propellant		Nitrogen (N ₂)	
Valve / Headcap		Brass Valve with Pressure Gauge	
Discharge Hose	16 mm x 6 m	19 mm x 6 m	19 mm x 6 m
Wheel Diameter	300 mm	350 mm	350 mm
Frame Work		Steel Pipe / Flat Bar	
Cylinder Material		Steel	
Body Diameter	386 mm	454 mm	454 mm
Overall Height	980 mm	1255 mm	1450 mm
Overall Width	565 mm	685 mm	685 mm
Overall Depth	670 mm	930 mm	930 mm
Approx Empty Weight	46 kg	85 kg	113 kg
Approx Full Weight	91 kg	185 kg	263 kg
Working Temperature Range		+ 5°C to + 60°C	
Working Pressure		12 bar	
Test Pressure	21.5 bar	22.5 bar	22.5 bar
Safety Valve Lift Pressure		17 - 21 bar	
Approx Discharge Time	109 sec	206 sec	300 sec
Approx Discharge Range	10 - 12 m	11 - 13 m	11 - 13 m
Fire Rating	A IIB	A IVB	A IVB
Fire Class		A, B	
Internal Coating		High Build Epoxy Tank Coating	
Paint Finishing		RAL 3000 Flame Red Epoxy Polyester Powder Coating	
Designed & Manufactured to		EN 1866	



MCO 25

Model	MCO 25	MCO 30	MCO 45
Capacity	25 kg	30 kg	45 kg
Style		Single	
Extinguishant	Carbon Dioxide (CO ₂)		
Operating Head	Pai-Mark (TPED) Brass Screw Down Valve with Safety Relief Valve		
Cylinder Thread	25E		
Discharge Hose	High Pressure Hose		
Hose Internal Diameter x Length	9.5 mm x 6 m*		
Discharge Horn	Fish Tail Plastic Horn with On / Off Valve		
Cylinder Specification	EN 1964 Part 1 TPED	ISO 9809-1	
- Diameter	229 mm	267 mm	267 mm
- Nominal Height	1210 mm	1500 mm	1500 mm
Frame Work	Steel pipe / Flat Bar		
Overall Height	1210 mm	1420 mm	1420 mm
Overall Width	565 mm	610 mm	610 mm
Overall Depth	1260 mm	1320 mm	1320 mm
Approx Empty Weight	80 kg	101 kg	101 kg
Approx Full Weight	105 kg	131 kg	146 kg
Cylinder / Frame Finish	RAL 3000 Flame Red Epoxy Polyester Powder Coating		
Wheel Diameter	300 mm		
Working Temperature Range	- 20°C to + 60°C		
Working Pressure	56 bar		
Cylinder Test Pressure	250 bar		
Approx Discharge Time	65 sec	69 sec	77 sec
Approx Discharge Range	5 m	4 m	4 m
Fire Rating	89B	113B	183B
Fire Class	B + Electrical		
Designed & Manufactured to	EN 1866		

* 30 meter hose length available on request



MPG 50



MPG 75

Model	MPG 50	MPG 75
Type	Cartridge Operated Type	
Extinguishant	ABC Dry Powder	
Capacity	50 kg	75 kg
Propellant	Carbon Dioxide	
Valve / Headcap	Brass Headcap with Safety Release Valve	
Discharge Hose	16 mm x 6 m	19 mm x 6 m
CO ₂ Cartridge	1kg	2kg
Frame Work	Steel Pipe / Flat Bar	
Cylinder Material	Steel	
Body Diameter	386 mm	386 mm
Overall Height	975 mm	1090 mm
Overall Width	570 mm	570 mm
Overall Depth	730 mm	720 mm
Approx Empty Weight	43 kg	59 kg
Approx Full Weight	93 kg	134 kg
Working Temperature Range	- 20°C to + 60°C	
Working Pressure	12 bar	
Test Pressure	21.5 bar	
Safety Valve Lift Pressure	18 - 20 bar	
Approx Discharge Time	71 sec	70 sec
Approx Discharge Range	11 m	12 m
Fire Rating	A IIB C	A IIIB C
Fire Class	A , B, C + Electrical	
Paint Finishing	RAL 3000 Flame Red Epoxy Polyester Powder Coating	
Designed & Manufactured to	EN 1866	



MPG 50Mx

MPG 50MxN

MPG 75Mx

Model	MPG 50Mx	MPG 50MxN	MPG 75Mx
Type		Gas Cartridge Type	
Extinguishant		Monnex™ Dry Powder	
Capacity	42 kg	50 kg	63 kg
Propellant		Carbon Dioxide (CO ₂)	
Valve / Headcap		Brass Headcap with Safety Release Valve	
Discharge Hose	16 mm x 6 m	16 mm x 6 m	19 mm x 6 m
CO ₂ Cartridge		1kg	2kg
Frame Work		Steel Pipe / Flat Bar	
Cylinder Material		Steel	
Body Diameter	386 mm	386 mm	386 mm
Overall Height	975 mm	1090 mm	1090 mm
Overall Width	570 mm	570 mm	570 mm
Overall Depth	730 mm	720 mm	720 mm
Approx Empty Weight	39 kg	53 kg	55 kg
Approx Full Weight	81 kg	103 kg	118 kg
Working Temperature Range		- 20°C to + 60°C	
Working Pressure		12 bar	
Test Pressure		21.5 bar	
Safety Valve Lift Pressure		18 - 20 bar	
Approx Discharge Time	60 sec	60 sec	70 sec
Approx Discharge Range	10 m	12 m	12 m
Fire Rating	IVB C	IVB C	IVB C
Fire Class		A , B, C + Electrical	
Paint Finishing		RAL 3000 Flame Red Epoxy Polyester Powder Coating	
Designed & Manufactured to		EN 1866	



MFG 45



MFG 100

Model	MFG-45	MFG-100
Type	Gas Cartridge Type	
Extinguishant	AFF Foam (Premix)	
Capacity	45 litres	100 litres
Propellant	Carbon Dioxide (CO ₂)	
Valve / Headcap	Brass Headcap with Safety Relief Valve	
CO ₂ Cartridge	1 kg	2 kg
Discharge Hose	16 mm x 6 m*	19 mm x 6 m*
Wheel Diameter	300 mm	350 mm
Frame Work	Steel Pipe / Flat Bar	
Cylinder Material	Steel	
Body Diameter	386 mm	454 mm
Overall Height	980 mm	1450 mm
Overall Width	565 mm	710 mm
Overall Depth	670 mm	935 mm
Approx Empty Weight	52 kg	113.5 kg
Approx Full Weight	97 kg	213.5 kg
Working Temperature Range	+ 5°C to + 60°C	
Working Pressure	12 bar	
Test Pressure	21.5 bar	22.5 bar
Safety Valve Lift Pressure	18 - 20 bar	
Approx Discharge Time	162 sec	282 sec
Approx Discharge Range	10 - 12 m	11 - 13 m
Fire Rating	A IIB	A IVB
Fire Class	A , B	
Internal Coating	High Build Epoxy Tank Coating	
Paint Finishing	RAL 3000 Flame Red Epoxy Polyester Powder Coating	
Designed & Manufactured to	BS EN 1866 : 2007	

FEATURES

The **EVERSAFE** Mobile Foam Unit provides you better protection from many fires which occurs from light fuels where water alone is not sufficient to provide the protection needed. With this mobile foam unit, now you can better utilize the available water supply (eg; Hydrant) to provide optimum protection and promotes cooling effect. This mobile foam unit is a must-have in every tank farms, oil refineries, airport, aircraft hangers, rubber product plants and all medium-sized factories.

- ✓ One-Man Operation
- ✓ Rechargeable During Use
- ✓ Continuous Operation
- ✓ Large Wheel Size
- ✓ Light Weight
- ✓ Adjustable Foam Ratio
- ✓ Impact Protection



*Optional: Selectable gallonage nozzle



Model	MFU 120
Capacity	120 litres
Working Pressure	7 bar
Min. Discharge Time	9 min. @ 7 bar
Flow Rate	210 litre/min @ 7 bar
Discharge Range	18 m @ 7 bar
Water Supply Hose	50 / 65 mm x 15 / 30 m Canvas Hose
Foam Discharge Hose	50 mm x 20 m / 30 m Canvas Hose
Approx. Empty Weight	84 kg
Overall Height	1070 mm
Overall Width	750 mm
Overall Length	1250 mm
Tank Material	Fiber Glass
Trolley Material	*Mild Steel
Applicable for	**AFF Foam
Wheel Diameter	16"
Filling Opening	200 mm
Designed & Manufactured to	Factory Manufacturing Standard

* Marine Finishing upon request

** Other types of foam concentrate & F500 EA etc. available upon request. Foam sold separately



Maintenance Tag



CR-MPM-50 / CR-MPM-50Mx



CR-MPM-75 / CR-MPM-50MxN /
CR-MPM-75Mx

Model	CR-MPM-50	CR-MPM-75	CR-MPM-50Mx	CR-MPM-50MxN	CR-MPM-75Mx
Type	ABC Dry Powder		Stored Pressure Type		
Extinguishant	ABC Dry Powder		Monnex™ Dry Powder Powder		
Capacity	50 kg	75 kg	42 kg	50 kg	63 kg
Propellant			Nitrogen (N ₂)		
Valve			Brass Valve with Pressure Gauge		
Discharge Hose	16 mm x 6 m*		19 mm x 6 m*		
Wheel Diameter	300 mm				
Frame Work	Steel Pipe / Flat Bar				
Cylinder Material	Steel				
Body Diameter	386 mm	386 mm	386 mm	386 mm	386 mm
Overall Height	975 mm	1090 mm	975 mm	1090 mm	1090 mm
Width	570 mm	570 mm	570 mm	570 mm	570 mm
Depth	655 mm	720 mm	655 mm	720 mm	720 mm
Approx Empty Weight	39 kg	59 kg	39 kg	46.5 kg	46.5 kg
Approx Full Weight	89 kg	134 kg	81 kg	96.5 kg	109.5 kg
Working Temperature	-20°C to +60°C				
Working Pressure	12 bar				
Test Pressure	21.5 bar				
Safety Valve Lift Pressure	17 - 21 bar				
Approx Discharge Time	61 sec	70 sec	55 sec	55 sec	70 sec
Approx Discharge Range	10 m	12 m	12 m	12 m	12 m
Fire Rating	A IIB C	A IIIB C	IVB C	IVB C	IVB C
Fire Class	A, B, C + Electrical		B, C + Electrical		
External Coating	Epoxy Marine Paint System Over Sandblasted Surface (RAL 3000) Flame Red				
Maintenance Tag	Aluminium Alloy				
Designed & Manufactured to	BS EN 1866				

*Various hose length available upon request



Maintenance Tag



CR-MFM-45

CR-MFM-100

CR-MFM-150

Model	CR-MFM-45	CR-MFM-100	CR-MFM-150
Type	Stored Pressure Type		
Extinguishant	AFF Foam (Premix)		
Capacity	45 litres	100 litres	150 Litres
Propellant	Nitrogen (N ₂)		
Valve	Brass Valve with Pressure Gauge		
Discharge Hose	16 mm x 6 m*	19 mm x 6 m*	19 mm x 6 m*
Wheel Diameter	300 mm	350 mm	350 mm
Frame Work	Steel Pipe / Flat Bar		
Cylinder Material	Steel		
Body Diameter	386 mm	454 mm	454 mm
Overall Height	980 mm	1395 mm	1450 mm
Width	565 mm	685 mm	685 mm
Depth	670 mm	930 mm	930 mm
Approx Empty Weight	46 kg	101 kg	113 kg
Approx Full Weight	91 kg	201 kg	263 kg
Working Temperature	+5°C to +60°C		
Working Pressure	12 bar		
Test Pressure	21.5 bar	22.5 bar	
Safety Valve Lift Pressure	17 - 21 bar		
Approx Discharge Time	109 sec	206 sec	300 sec
Approx Discharge Range	10 - 12 m	11-13 m	
Fire Rating	A III B	A IV B	
Fire Class		A, B	
External Coating	Epoxy Marine Paint System Over Sandblasted Surface (RAL 3000) Flame Red		
Maintenance Tag	Aluminium Alloy		
Designed & Manufactured to	BS EN 1866		

*Various hose length available upon request



Maintenance Tag



CR-MPG-50



CR-MPG-75 / CR-MPG-50MxN
CR-MPG-75Mx



CR-MPG-135Mx

Model	CR-MPG-50	CR-MPG-75	CR-MPG-50MxN	CR-MPG-75Mx	CR-MPG-135Mx
Type	ABC Dry Powder		Cartridge Operated Type		
Extinguishant	ABC Dry Powder		Monnex™ Dry Powder Powder		
Capacity	50 kg	63 kg	50kg	63kg	135kg
Valve / Headcap	Brass Headcap with Safety Release Valve				
Discharge Hose	16 mm x 6 m		19 mm x 6 m		
CO ₂ Cartridge	1 kg	2 kg	1kg		2kg
Wheel Diameter		12"			14"
Frame Work	Steel Pipe / Flat Bar				
Cylinder Material	Steel				
Body Diameter	386 mm	386 mm	386 mm	386 mm	454 mm
Overall Height	975 mm	1090 mm	1090 mm	1090 mm	1450 mm
Overall Width	570 mm	570 mm	570 mm	570 mm	710 mm
Overall Depth	730 mm	720 mm	720 mm	720 mm	935 mm
Approx Empty Weight	43 kg	59 kg	53 kg	55 kg	113.5 kg
Approx Full Weight	93 kg	134 kg	103 kg	118 kg	248.5 kg
Working Temperature Range	- 20°C to 60°C				
Working Pressure	12 Bar				
Test Pressure	21.5 Bar				
Safety Valve Lift Pressure	18 - 20 Bar				
Approx Discharge Time	71 sec	70 sec	60 sec	70 sec	140 sec
Approx Discharge Range	11 m	12 m	12 m	12 m	14 m
Fire Rating / Class	A IIB C	A IIIB C	IVB C		
Internal Lining	High Build Epoxy Tank Coating				
External Coating	Epoxy Marine Paint System Over Sandblasted Surface (RAL 3000) Flame Red				
Designed & Manufactured to	ASME Section VIII Division 1 : 2001 Upto and Including Addenda 2003			BS EN 1866	



Maintenance Tag



CR-MCO-25



CR-MCO-25T



CR-MCO-45

Model	CR-MCO-25	CR-MCO-25T	CR-MCO-45
Capacity**	25 kg	25 kg x 2	45 kg
Style	Single	Twin	Single
Extinguishant	Carbon Dioxide (CO ₂)		
Operating Head	Pai Mark (TPED) Brass Screw Down Valve with Safety Burst Disc		
Cylinder Thread	25E		
Discharge Hose	High Pressure Hose		
Hose Internal Diameter x Length	9.5 mm x 6 m*		
Discharge Horn	Fish Tail plastic horn with On / Off Valve		
Cylinder Specification	EN 1964 Part 1 TPED		ISO 9809-1
- Diameter	229 mm	229 mm	267 mm
- Nominal Height	1210 mm	1210 mm	1500 mm
Frame Work	Steel Pipe / Flat Bar (Foldable Frame)		
Overall Height	1210 mm	1210 mm	1420 mm
Overall Width	565 mm	800 mm	610 mm
Overall Depth	1260 mm	1260 mm	1320 mm
Approx Empty Weight	80 kg	123 kg	101 kg
Approx Full Weight	105 kg	173 kg	146 kg
External Coating	Epoxy Marine Paint System Over Sanblasted Surface (RAL 3000) Flame Red		
Wheel Diameter	300 mm		
Working Temperature Range	- 20°C to + 60°C		
Working Pressure	56 bar		
Cylinder Test Pressure	250 bar		
Approx Discharge Time	65 sec	97 sec	77 sec
Approx Discharge Range	4 m		
Fire Rating	89B	183B	
Fire Class	B + Electrical		
Maintenance Tag	Aluminium Alloy		
Designed & Manufactured to	BS EN 1866		

*30 meter hose length available upon request

**Other capacities available upon request



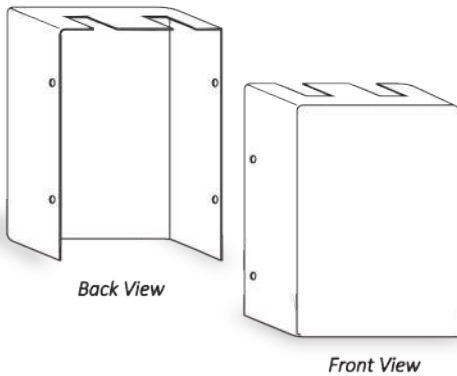
Portable Fire Extinguisher Protective Covers

Model	ECV-01P	ECV-02P
Applicable for	9 L, 9 kg, 12 kg, 5 kg, 6.8 kg	5 kg CO ₂ (EE-206)
Dimension (H) x (Ø)	711 mm x 241 mm	890 mm x 340 mm
Window	85 mm x 135 mm	
Material	Waterproof Vinyl	
Finishing	Red	



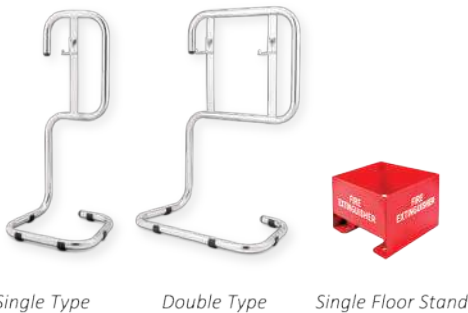
Mobile Fire Extinguisher Protective Covers

Model	ECV-01M	ECV-02M	ECV-03M	ECV-04M
Applicable for	25 / 45 / 50 kg or L	75 kg	100 L	135 / 150 L
Dimension (mm)	550 x 800 x 850	590 x 710 x 980	650 x 1000 x 905	650 x 1000 x 1150
Top Window (mm)	150 x 150	100 x 100	150 x 200	150 x 200
Front Window (mm)	100 x 100			
Material	Waterproof Vinyl			
Finishing	Red			



Sunshield Protective Cover

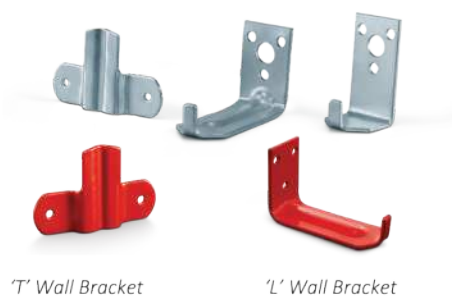
Model	SCV-01D	SCV-01S
Applicable for	CR-MCO-10T	CR-MCO-20/CR-MCO-25
Dimension (W) x (H) x (D)	470 mm x 960 mm x 173 mm	370 mm x 1150 mm x 290 mm
Body Material	Glass Fiber	Glass Fiber
Finishing	White	White



Portable Fire Extinguisher Stands

Model	ESS	ESD	EFS
Type	Single	Double	Single
Body Material	Mild Steel		
Dimension (LxWxH)	330 x 300 x 725mm	510 x 300 x 725mm	204 x 204 x 150mm

Wall Brackets



Model	WBT-01	WBL-01	WBL-02	WBL-03	WBL-04	WBL-05
Type	'T' Wall Brackets		'L' Wall Brackets			
Applicable for	Cartridge Operated Type	2kg Dry Powder & CO ₂	3 kg Dry Powder	4 kg - 12 kg Dry Powder	5 kg CO ₂	6.8 kg CO ₂
Material	Chromed Steel					



Type A

Type B

Type C

Marine Brackets

Model	Design Type	Strap Material	Body Material	Suitable for
MB-6L-C	A	Nylon	Mild Steel	6L COT
MB-6K-C				6kg COT
MB-9L-C				9L COT
MB-9K-C				9kg COT
MB-12K-C				12kg COT
MB-3K-S	B			3kg SPT
MB-6L-S				6L SPT
MB-6K-S				6kg SPT
MB-2C-S				2kg CO2
MB-5C-S	C			5kg CO2
MB-9L-S				9L SPT
MB-9K-S		9kg SPT		
MB-12K-S		12kg SPT		
MB-6C-S		6.8kg CO2		



front view



back view

Compact Plastic Brackets

Model	CPB-01	CPB-02
Applicable for	1kg Dry Powder	2kg Dry Powder
Material	Plastic	



front view



back view

Heavy Duty Brackets

Model	EVB-3	EVB-9
Applicable for	2.5 kg - 3 kg Fire Extinguisher	4 kg - 12 kg Fire Extinguisher
Body & Strap Material	Mild Steel	
Design Features	Quick Release Pull Pin and Lever	



front view



back view

Wire Brackets

Model	WB-03	WB-05	WB-07
Applicable for	1 kg Dry Powder	2 kg Dry Powder	2 L AFF Foam
Material	Steel		



CO₂ Cartridge

Weight (g)	External Coating	Applicable for
35	PVC	EEK-6cs
55		EEF-6cs, EEW-6cs, EEW-9cs, EEK-9cs
75		EEF-9cs, EEF-9c
75		EED-4c
110	Epoxy	Portable Fire Extinguishers
150		EED-6c
225		EED-9c, PES-9
225		EED-12c, EED-12cMX
550	Epoxy	Mobile Fire Extinguishers
1000		MPG-25
2000		MFG-45, MPG-50
		MFG-135, M FG-150
Approval		TPED

*Applicable for all CR models



AFFF Compound Refills

Capacity	Suitable for
0.54L	EEF-9s, EEF-9c, EEF-9cs
2.7L	MFM-45, MFG-45
2.7L x 3	MFM-135, MFG-135
25L	various usage
200L	various usage



ABC Powder

EP4X Powder	
Packaging	6kg, 9kg, 12kg and 25kg
Storage	Cool and Dry Place

BC Powder

Monnex Powder	
Packaging	25kg
Storage	Cool and Dry Place



Valve Wrenches

	U Wrench	UT Wrench	G Wrench
Material	Chromed Steel		
Suitable for	1kg-12kg SPT FE		4kg-12kg COT FE
Usage	The right tool to tighten & loosen operating valve from cylinder		



Steel Single Cabinet



Fibre Glass Single Cabinet



Fibre Glass Double Cabinet

Steel Portable Fire Extinguisher Single Cabinet

Model	ECP-01M	ECP-02M
Body Material	0.9 mm Mild Steel	1.2 mm Mild Steel
Dimension (W x H x D)	270 mm x 730 mm x 240 mm	
Finishing	RAL 3000 Flame Red Epoxy Polyester Powder Coating	

Fibre Glass Portable Fire Extinguisher Single Cabinet

Model	GRP-01S	GRP-02S	GRP-03S
Applicable for	9 kg Dry Powder	12 kg Dry Powder	5 kg Carbon Dioxide
Dimension with footing (W) x (H) x (D)	320 mm x 866 mm x 340 mm	330 mm x 1006 mm x 350 mm	350 mm x 1046 mm x 350 mm
Dimension without footing (W) x (H) x (D)	320 mm x 760 mm x 340 mm	330 mm x 900 mm x 350 mm	350 mm x 940 mm x 350 mm
Body Material	Glass Fiber		
Door Material	Glass Fiber		
Finishing	Red		

*Other sizes available upon request

Fibre Glass Portable Fire Extinguisher Double Cabinet

Model	GRP-01D (With footing)	GRP-01D (Without footing)
Dimension (W) x (H) x (D)	650 mm x 866 mm x 340 mm	650 mm x 760 mm x 340 mm
Applicable for	9 kg x 2	
Body Material	Glass Fiber	
Door Material	Glass Fiber	
Finishing	Red	

*Other sizes available upon request

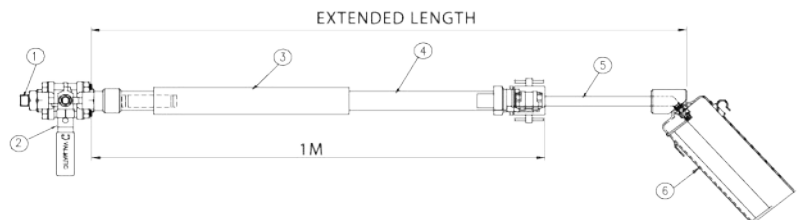
CO₂ Gas Extendable Telescopic Lance Applicator

FEATURES

- ✓ Easy to use
- ✓ Unique discharge nozzle design
- ✓ Weather resistant
- ✓ 3.5m extended range

Specifications

Closed Length	2.0 m
Extended Length	3.5 m
Working Temperature Range	- 20°C to 60°C



Item	Description	Material / Specification
1	Connector	Brass
2	Ball Valve	SS316
3	Insulation Hand Grip	Sponge (Rubber)
4	Outer Pipe	Aluminium (Anodized)
5	Inner Pipe	Aluminium (Anodized)
6	Circular Horn	PPAV 161

WATER BASED EXTINGUISHING AGENT

Aqueous Film Forming Foam (AFFF)

- Rapidly extinguishes Class B fires involving flammable liquids
- Creates a thin film that seals the fuel surface
- Widely used in fire departments and industries

Alcohol Resistance Aqueous Film Forming Foam (AR-AFFF)

- Specialized for fires involving polar solvents or alcohols
- Forms a robust film for superior protection

F500 EA

- Uses a water-based solution to rapidly cool the fuel surface
- Interrupts the chemical reaction that sustains the fire
- Prevents re-ignition, ideal for high-risk environments
- Ideal for lithium-ion batteries fires

High Expansion Foam

- Fills enclosed spaces with dense, lightweight foam
- Smothers fires by displacing oxygen
- Useful for protecting large, enclosed areas

Alcohol Resistance Fluorine Free Foam (AR-FF)

- Biodegradable and non-persistent, and contains No Siloxanes with no intentionally added PFAS chemicals
- Extinguishing Class B (hydrocarbon and polar solvent liquid fuels) & Class A (deep seated fires)





Description

- AFFF consisting of a blend of fluorocarbon, hydrocarbon surfactants and various solvents and stabilisers.
- 100% C6 Pure fluorosurfactants are used in AFFF-formulations.

Application

- Class B fires of hydrocarbon fuel
- Oil field and oil depots, coal mines, large chemical plant, airports and marine ships
- Storage tanks (non-polar solvent type only)
- Docks/marine tankers
- Crash Fire Rescue

Aqueous Film Forming Foam (AFFF)

Type	AFFF 1%	AFFF 3%	AFFF 6%
Proportioning rate	1%	3%	6%
Appearance	Light yellowish liquid		
Specific gravity at 20°C	1.0-1.05 g/ml		
pH Value at 20°C	6.0-8.5 (Litre)		
Viscosity	2-10 mm2/s		
25% drainage time	1.9 +/- 20%	2.9 +/- 20%	3.0 +/- 20%
Shelf life	8 years	8 years	8 years
Approval	EN1568 Part 3, CE 2001/95/EC, ICAO Level B	EN1568 Part 3, CE 2001/95/EC, ICAO Level B, IMO MSC.1 /Circ 1312	EN1568 Part 3, CE 2001/95/EC, ICAO Level B
Packing	20L drum, 200L drum		



Description

- AR-AFFF consisting of a blend of fluorocarbon, hydrocarbon surfactants and polymers, various solvents and stabilisers.
- 100% C6 Pure fluorosurfactants & fluoropolymers are used in AR-AFFF-formulations.

Application

- Class B fires of hydrocarbon fuel & polar solvent fuel (refineries, petrochemical storage facilities, offshore installation etc)
- Hydrocarbon fires: 3 part foam concentrate to 97 parts water
- Polar solvent fires: 6 part foam concentrate to 94 parts water

Alcohol Resistance Aqueous Film Forming Foam (AR-AFFF)

Type	AR-AFFF 3% x 6%	
Proportioning rate	3% (Hydrocarbon fires)	6% (Polar solvent fires)
Appearance	Light yellowish liquid	
Specific gravity at 20°C	1.01-1.05 g/ml	
pH Value at 20°C	6.0-8.5	
Viscosity	2-10 mm2/s	
25% drainage time	14 min	11 min
Shelf life	10 years	
Approval	EN1568 Part 3, CE 2001/95/EC	
Packing	20L drum, 200L drum	



Description

- F500 EA is the newest generation, high efficient and environment-friendly fire extinguishing agent replacing water-borne agents (aqueous film, alcohol resistance and etc) to extinguish fires of wood, paper, cotton, dry grass, coal, rubber, non-polar liquids (gasoline, crude oil), polar liquids (ethanol, methanol) and chemical raw materials.
- Adopts advantaged micro encapsulator technology to efficiently extinguish fires and control the spill of hazards and dangerous odor emanating, demonstrating outstanding performance of rapid extinguishing, instant cooling, afterburning prevention, obvious heat insulation, smoke eliminating and etc.
- Ideal for lithium-ion batteries fires

F500 Encapsulator Agent

Type	F500 EA	
Proportioning rate	3% (Hydrocarbon fires)	6% (Polar solvent fires)
Appearance	Light amber liquid	
Specific gravity at 20°C	1.035 g/ml	
pH Value at 20°C	6.0-8.5	
Viscosity	2-10 mm2/s	
25% drainage time	8	11
Shelf life	15 years	
Packing	25L drum, 200L drum	



Description

- A superior high expansion foam concentrate for use in any high expansion system.
- Consist of hydrocarbon surfactants blended with various solvents and stabilizers.
- Does not contain any fluorinated surfactants or polymers (PFAS) or other organohalogenes.

Application

- Good performance for the fire in the limited space, large aircraft hangar, underground tunnel, underground oil depot, underground garage, and coal mine ship chemical warehouses.

High Expansion Foam

Type	High Expansion Foam 3%	High Expansion Foam 6%
Proportioning rate	3%	6%
Appearance	Clear pink liquid	
Specific gravity at 20°C	1.03-1.05 g/ml	
pH Value at 20°C	6.0-8.5	
Viscosity	2-10 mm ² /s	
25% drainage time	13	11
Shelf life	3 years	
Approval	EN1568 Part 3	EN1568 Part 3
Packing	25L drum, 200L drum	



Description

3x3 AR fluorine free foam is pseudoplastic foam technology. Non-persistent, siloxane free, with no intentionally added PFAS chemicals. This fluorine-free concentrate has been engineered to produce a stable and long-draining foam blanket, whilst ensuring a concentrate with no significant viscosity change in presence of water and with improved storage, handling, proportioning and long-term stability.

Application

- It is designed for extinguishing both class B (hydrocarbon fuel and polar solvent fuel) and deep-seated Class A fires.
- Used with low-expansion foam equipment (nozzles & monitors) & high expansion foam discharge devices for class B hydrocarbon.
- Excellent wetting ability to extinguish Class A fuel fires.

3x3 AR Fluorine Free Foam

Typical Properties	
Specific Gravity, g/cm ³	1.000-1.040
pH @ 20°C	7.0 - 8.0
Viscosity, mPa.s/cPs at 375s-1 @ 20°C	105
Freezing Point, °C	-4°C
Lowest Temperature for Use, °C	0°C

Foam Properties	
Dilution Rate	3%
Surface tens, at 20°C, mN/m (Demineralised water)	21
Interfacial tens, with cyclohexane at 20°C, mN/m	5
Low Expansion Foam (UNI-86)	
Foam Expansion Index	>7

Packaging : 20L PE prismatic containers, 200L PE drums

Certification :

- EN-1568:2018 part 1 & 2 - for use with medium & high-expansion foam
- EN-1568:2018 part 3 & 4 - on all fuels with fresh and sea water
- UL 162 Listed
- International Maritime Organization certification MSC.1/Circ.1312
- LASTFIRE batch-certified
- ICAO Level B
- GreenScreen Certification

FIRE HOSE REEL

Fire Hose Reel

- Consist of Manual & Automatic Swing Type Hose Reel
- Two types of internal drum design available
 - Steel Horizontal Bar
 - Plastic Drum

Manual Fire Hose Reel

- Eversafe offers swing type and fixed type manual hose reels
- Swing type - Hose inlet and die cast
- Fixed type - Fixed pipe and die cast

Fire Hose Reel Center Drum Design

- Plastic center drum and horizontal steel bar is designed to enhance the strength and minimize distortion of drum and disc

Nozzle

- Various type of hose reel nozzle that able to discharge jet and spray water discharge pattern
- Nylon or brass type nozzle to suit your needs



EVERSAFE® Exclusive Products

■ CO₂ Hose Reel Unit

Compare to conventional hose reel which carries water to extinguish fire, CO₂ hose reel unit with galvanized steel/stainless steel material for the drum improved its durability and strength. It has better reachability since it use telescopic applicator to put out the fire.

■ Continuous Fire Hose Reel

There are two type of continuous fire hose reel which is mobile type and fixed type.

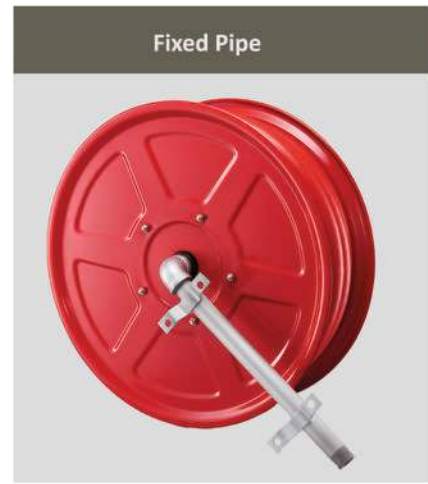




Swing Die Cast



Swing Hose Inlet



Fixed Pipe



- Corrosion Resistant
- Passed Salt Spray Test
- UV Ageing Tested for 1000 hours
- Passed Impact Test
- Solid & Durable Internal Drum
- Smooth Rounded Surface Prevent Cuts from Sharp Edges



Hose Reel Disc



Hose Reel Hose



- Passed Unwinding Force Test
- Pressure Tested to 1.5 Times Its Working Pressure

- Enhance Durability of Internal Drum
- Solid & Strong Material for Central Drum



Horizontal Bar Center Drum



Hose Reel Center Drum

- Providing Various Sizes of Drum Width
- Help Winding Hose Reel Smoothly

- Optional - Plastic Name Plate



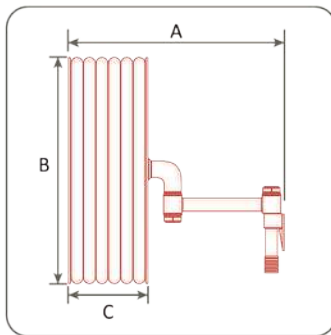
Name Plate



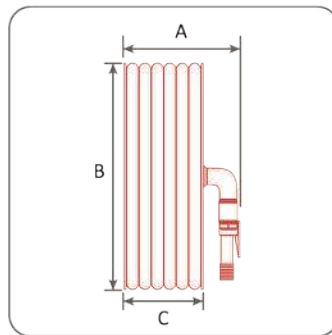
Nozzle



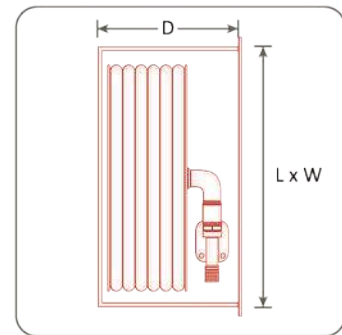
- Shut, Spray, Jet Control Setting
- Passed Operating Force Test
- Wide Spray Angle Coverage
- Effective Discharge Range
- Guaranteed Min Flow Rate Setting at Jet/Spray Discharge



SWING



CLOSE



RECESS

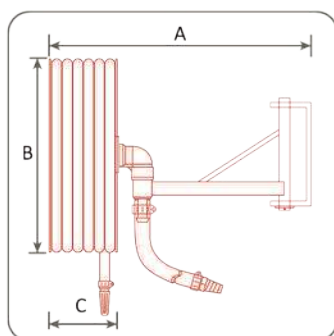
Manual Swing Type Fire Hose Reels - Die Cast

Model	EH19-SDM-09GI*	EH25-SDM-09GI**	EH25-SDM-12GI*
Disc Diameter	565 mm	565 mm	565 mm
Inlet Connection	Die Cast Swing Arm 1" BSP		
Hose Size (Ø x Length)	19 mm x 30 m	25 mm x 30 m	25 mm x 30 m
Swing Dimension (A x B x C)	495 mm x 565 mm x 160 mm	525 mm x 565 mm x 190 mm	525 mm x 565 mm x 190 mm
Close Dimension (A x B x C)	250 mm x 565 mm x 160 mm	280 mm x 565 mm x 190 mm	280 mm x 565 mm x 190 mm
Recess Dimension (L x W x D)	700 mm x 700 mm x 290 mm	760 mm x 760 mm x 320 mm	760 mm x 760 mm x 320 mm
Maximum Working / Test Pressure	12 bar / 18 bar	12 bar / 18 bar	12 bar / 18 bar
Standard Nozzle Type	Brass or Nylon Jet / Spray Nozzle		
Nozzle Orifice	6 mm	7 mm	7 mm
Minimum Flow Rate @ 4 bar	34 L / min	44 L / min	44 L / min
Drum Finishing	RAL 3000 Flame Red Epoxy Polyester Powder Coating		
Manufactured & Certified to	EN 671-1 : 2012	MS 1447-1 : 2006	EN 671-1 : 2012

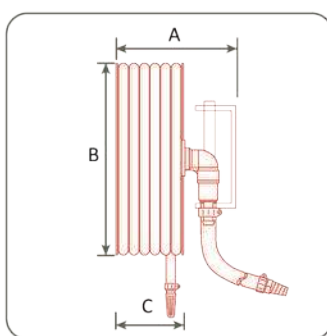
* TUV SUD PSB Approved only

** SIRIM and Bomba Approved only

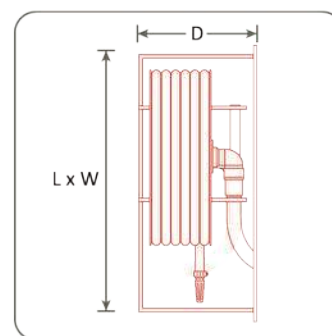
Note: 1. Various types of nozzle and hose length available upon request. Please refer to nozzle section for selection of nozzle
 2. Horizontal bar hose reel available upon request
 3. Ø 590mm disc available upon request



SWING



CLOSE



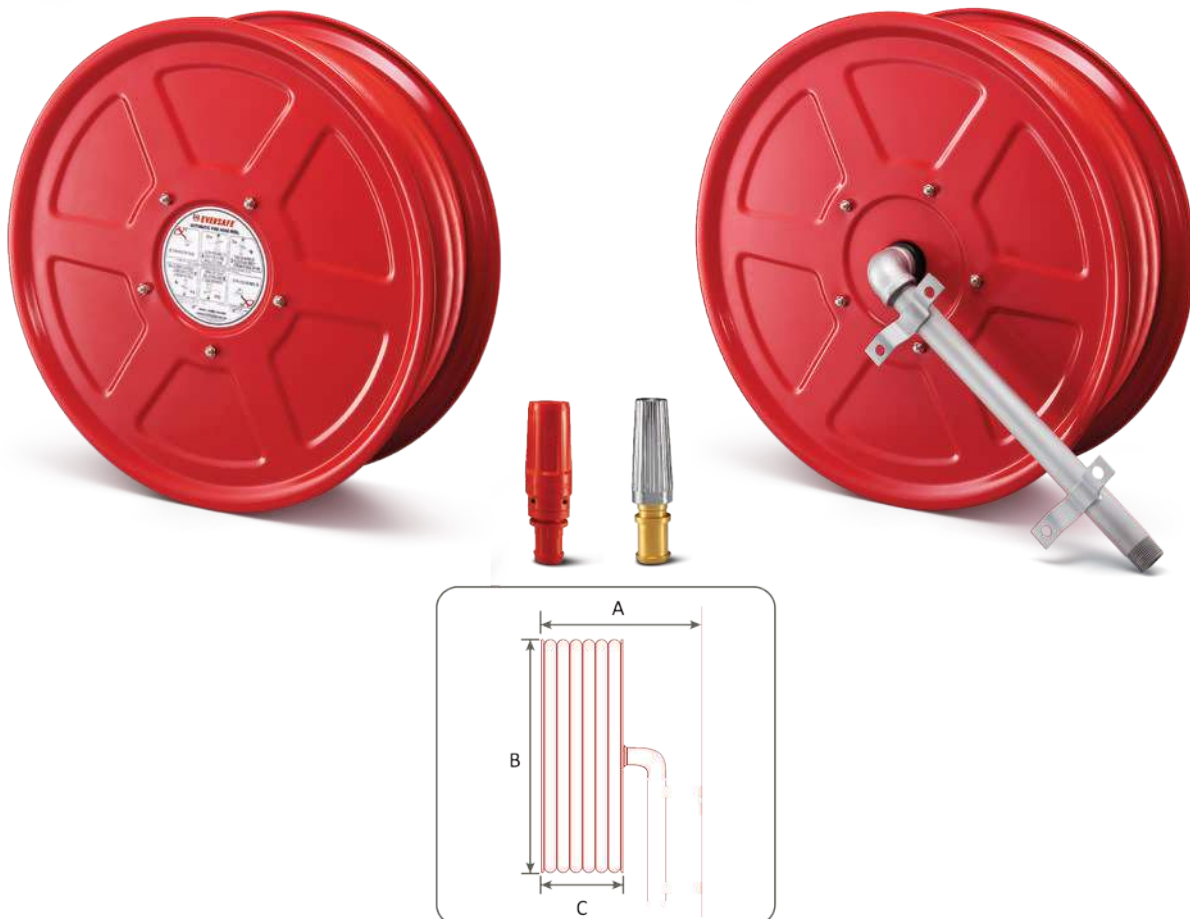
RECESS

Manual Swing Type Fire Hose Reels - Hose Inlet

Model	EH19-SHM-09BR*	EH25-SHM-09BR*	EH25-SHL-12BR
Disc Diameter	565 mm	565 mm	590 mm
Inlet Connection	Hose 25 mm x 1 m	Hose 25 mm x 1 m	Hose 25 mm x 1 m
Hose Size (Ø x Length)	19 mm x 30 m	25 mm x 30 m	25 mm x 30 m
Swing Dimension (A x B x C)	525 mm x 565 mm x 160 mm	555 mm x 565 mm x 190 mm	525 mm x 590 mm x 145 mm
Close Dimension (A x B x C)	220 mm x 565 mm x 160 mm	250 mm x 565 mm x 190 mm	210 mm x 590 mm x 145 mm
Recess Dimension (L x W x D)	700 mm x 700 mm x 250 mm	700 mm x 700 mm x 290 mm	730 mm x 730 mm x 225 mm
Maximum Working / Test Pressure	12 bar / 18 bar	12 bar / 18 bar	12 bar / 18 bar
Standard Nozzle Type	Brass or Nylon Jet / Spray Nozzle		
Nozzle Orifice	6 mm	7 mm	7 mm
Minimum Flow Rate @ 4 bar	34 L / min	44 L / min	44 L / min
Drum Finishing	RAL 3000 Flame Red Epoxy Polyester Powder Coating		
Manufactured & Certified to	EN 671-1 : 2012		

* TUV SUD PSB Approved only

Note: 1. Various types of nozzle and hose length available upon request. Please refer to nozzle section for selection of nozzle
 2. Horizontal bar hose reel available upon request
 3. Ø 590mm disc available upon request



Manual Fixed Type Fire Hose Reels - Fixed Pipe

Model	EH19-FPM-09BR	EH25-FPM-09BR
Disc Diameter	565 mm	565 mm
Inlet Connection	Fixed Pipe 1" BSP	
Hose Size (Ø x Length)	19 mm x 30 m	25 mm x 30 m
Dimension (A x B x C)	235 mm x 565 mm x 160 mm	265 mm x 565 mm x 190 mm
Maximum Working / Test Pressure	12 bar / 18 bar	12 bar / 18 bar
Standard Nozzle Type	Brass or Nylon Jet / Spray Nozzle	
Nozzle Orifice	6 mm	7 mm
Minimum Flow Rate @ 4 bar	34 L / min	44 L / min
Drum Finishing	RAL 3000 Flame Red Epoxy Polyester Powder Coating	
Manufactured & Certified to	EN 671-1 : 2012	

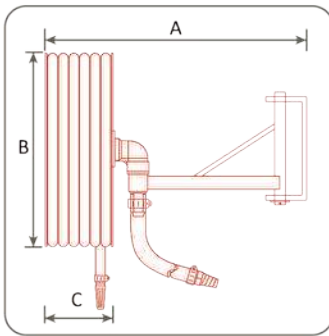
Note: 1. Various types of nozzle and hose length available upon request. Please refer to nozzle section for selection of nozzle
 2. Horizontal bar hose reel available upon request
 3. Ø 590mm disc available upon request



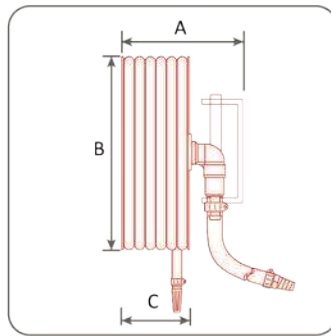
Manual Fixed Type Fire Hose Reels - Fixed Die Cast

Model	EH25-FDM-09GI
Disc Diameter	565 mm
Inlet Connection	Fixed Pipe 1" BSP
Hose Size (Ø x Length)	25 mm x 30 m
Dimension (A x B x C)	250 mm x 565 mm x 190 mm
Maximum Working / Test Pressure	12 bar / 18 bar
Nozzle Type	Brass or Nylon Jet / Spray Nozzle
Nozzle Orifice	7 mm
Minimum Flow Rate @ 4 bar	44 L / min
Drum Finishing	RAL 3000 Flame Red Epoxy Polyester Powder Coating
Designed & Manufactured to	Factory Manufacturing Standard

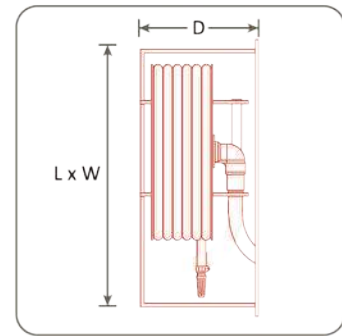
Note: 1. Various types of nozzle and hose length available upon request. Please refer to nozzle section for selection of nozzle
 2. Horizontal bar hose reel available upon request
 3. Ø 590mm disc available upon request



SWING



CLOSE



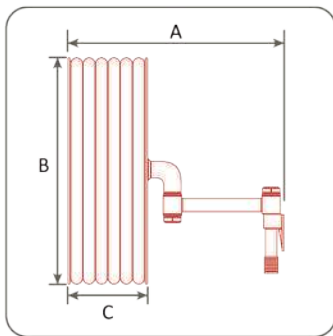
RECESS

Automatic Swing Type Fire Hose Reels - Hose Inlet

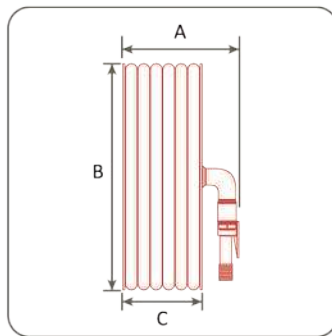
Model	EH19-SAM-09BR*	EH25-SAM-09BR*	EH25-SAL-12BR
Disc Diameter	565 mm	565 mm	590 mm
Inlet Connection	Hose 25 mm x 1 m	Hose 25 mm x 1 m	Hose 25 mm x 1 m
Hose Size (Ø x Length)	19 mm x 30 m	25 mm x 30 m	25 mm x 30 m
Swing Dimension (A x B x C)	535 mm x 565 mm x 160 mm	565 mm x 565 mm x 190 mm	525 mm x 590 mm x 145 mm
Close Dimension (A x B x C)	235 mm x 565 mm x 160 mm	265 mm x 565 mm x 190 mm	210 mm x 590 mm x 145 mm
Recess Dimension (L x W x D)	700 mm x 700 mm x 250 mm	700 mm x 700 mm x 290 mm	730 mm x 730 mm x 225 mm
Maximum Working / Test Pressure	12 bar / 18 bar		
Standard Nozzle Type	Brass or Nylon Jet / Spray Nozzle		
Nozzle Orifice	6 mm		
Minimum Flow Rate @ 4 bar	34 L / min		
Drum Finishing	RAL 3000 Flame Red Epoxy Polyester Powder Coating		
Manufactured & Certified to	EN 671-1 : 2012		

* TUV SUD PSB Approved only

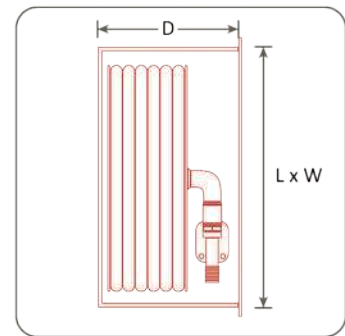
Note: 1. Various types of nozzle and hose length available upon request. Please refer to nozzle section for selection of nozzle
 2. Horizontal bar hose reel available upon request
 3. Ø 590mm disc available upon request



SWING



CLOSE



RECESS

Automatic Swing Type Fire Hose Reels - Die Cast

Model	EH25-SAM-09DC
Disc Diameter	565
Hose	25mm x 30M
Swing Dimension	565mm x 565mm x 190mm
Working / Test Pressure	12 bar/18 bar
Minimum Flow Rate @ 4 bar	34L/min
Finishing	RAL 3000 Flame Red Epoxy Polyester Powder Coating
Design & Manufactured To	BS EN 671-1:2012

Note: 1. Various types of nozzle and hose length available upon request. Please refer to nozzle section for selection of nozzle
 2. Horizontal bar hose reel available upon request
 3. Ø 590mm disc available upon request

FEATURES

- ✓ Wheel Braking Device
- ✓ Hose Guide with Nylon Roller Beads
- ✓ Water Inlet with Stop Valve
- ✓ Quick Rolling Handwheel



CHR-40MH
Mobile Type Continuous Hose Reel



CHR-40FH
Fixed Type Continuous Hose Reel

Continuous Flow Hose Reel - Mobile & Fixed Type

Model	CHR-40MH	CHR-40FH
Type	Mobile Continuous Flow Hose Reel	Fixed Type Continuous Flow Hose Reel
Nozzle Type	1 1/2" Swivel Handline Nozzle	
Nozzle Flow Setting	GPM - 30-60-95-125	
Hose Size (Ø x Length)	1 1/2" x 30 m	
Hose Outlet	1 1/2" NHT	
Hose Material	Red Oil Resistant and Ozone Resistant Synthetic Reinforced Rubber	
Hose Maximum Working Pressure	17 bar	
Throw Range	18 m @ 7 bar	
Disc Diameter	625 mm	
Inlet Connection	1 1/2" Male BST	
Handwheel Material	Galvanized Mild Steel Painted Red	
Trolley Frame Material	Galvanized Mild Steel Painted Red	NIL
Wheel / Castor Size	12" / 4"	NIL
Finishing	RAL 3000 Flame Red Epoxy Polyester Powder Coating	
Approx. Overall Size (H x W x D)	900 mm x 945 mm x 1050 mm	750 mm x 800 mm x 1050 mm
Designed & Manufactured to	Factory Manufacturing Standard	

Note: 1. Nozzle type options available upon request
2. Corrosion Resistant water way available upon request



Corrosion Resistant CO₂ Hose Reel Unit

Model	CR-COHR-10T
Gas Capacity	20 kg (10 kg x 2 units)
Working Pressure	56 bar @ 20°C
Cylinder Type	Seamless Cylinder
Cylinder Material	Chromoly Steel
Cylinder Test Pressure	250 bar (3625 psi)
Cylinder Standard	EN ISO 9809-1
Cylinder Diameter (Nominal)	156 mm
Cylinder Height (Nominal)	990 mm
Discharge Valve	Brass Screw Down Valve with Safety Burst Disc
Manifold	Stainless Steel SCH 80 ASTM A106
Inlet Hose (Ø x L)	12.7 mm x 600 mm
Hose Reel Drum Material	Galvanized Mild Steel/Stainless Steel
Discharge Hose (Ø x L)	9.5 mm x 30 m
Hose Fitting	Stainless Steel
Ball Valve	Controllable ON/OFF Valve Stainless Steel 316
Application Horn	Circular Horn
Effective Discharge Time	> 75 sec (for 2 Cylinder System)
Dimension (A x B x C)	1630 mm x 600 mm x 400 mm
External Coating	Epoxy Marine Paint System Over Sandblasted Surface (RAL 3000) Flame Red



Fire Reel Hose

Model	FRH-19RS	FR-25*	FRH-25RS	FRH-25BS
Size	Ø 19 mm	Ø 25 mm	Ø 25 mm	Ø 25 mm
Colour	Red	Black	Red	Black
Surface	Smooth	Rough	Smooth	Smooth
Inner Diameter (ID)	19 mm	25 mm	25 mm	25 mm
Standard Length	30 m	30 m	30 m	30 m
Working Pressure at 20°C	12 bar	12 bar	12 bar	12 bar
Burst Pressure at 20°C	> 42 bar	> 42 bar	> 42 bar	> 42 bar
Manufactured & Certified to	EN 694	MS 1488	EN 694	EN 694

* SIRIM Approved only

Note: Hose length, colour and surface options available upon request

Jet Spray Nozzle



EZ-19P
EZ-25P

Jet Spray Nozzle



EZ-19
EZ-25

Jet Nozzle



EZ-19J
EZ-25J

Lever Operated Nozzle



EZ-19LO
EZ-25LO

Jet Spray Nozzle



EZ-19OR

Hose Nozzle

Model	EZ-19P	EZ-25P	EZ-19	EZ-25	EZ-19J	EZ-25J	EZ-19LO	EZ-25LO	EZ-19OR
Inlet	19 mm	25 mm	19 mm	25 mm	19 mm	25 mm	19 mm	25 mm	19 mm
Body Material	Nylon				Brass				
Finishing	Red				Chromed Plated				
Working Pressure	12 bar								
Test Pressure	18 bar								
Flow Rate @ 6 bar	Jet : 55L / min & Spray : 63L / min								
Throw Range @ 2 bar	Jet : > 10 m & Spray : > 3 m								



Gate Valve Horizontal

Model	GTV-25A
Size	DN 25
Inlet Size	1" BSPT
Outlet Size	1" BSPT
Pressure Nominal	PN 25
Test Pressure	38 bar
Body Material	Brass



Gate Valve Lockshield with Key

Model	GTV-25B
Size	DN 25
Inlet Size	1" BSPT
Outlet Size	1" BSPT
Pressure Nominal	PN 16
Test Pressure	24 bar
Body Material	Brass



Globe Valve Oblique

Model	GLV-25A
Size	DN 25
Inlet Size	1" BSP
Outlet Size	25 mm
Pressure Nominal	PN 16
Test Pressure	24 bar
Body Material	Brass



Ball Valve Full Bore

Model	EE-25BV
Size	DN 25
Inlet Size	1" BSP
Outlet Size	1" BSP
Pressure Nominal	PN 25
Test Pressure	38 bar
Body Material	Brass



Ball Valve Watermark c/w Interlock Bracket

Model	BV-25B
Size	DN 25
Inlet Size	1" BSPT
Outlet Size	1" BSPT
Pressure Nominal	PN 20
Test Pressure	30 bar
Body Material	Brass (Dezinfication Resistance Copper Alloys)



Ball Valve

Model	BV-25A
Size	DN 25
Inlet Size	1" BSPP
Outlet Size	1" BSPP
Pressure Nominal	PN 16
Test Pressure	10 bar Gas Test
Body Material	Brass Chromed



Air Release Valve

Model	ARV-25A
Size	DN 25
Inlet Size	1" BSP
Working Pressure	14.5 bar
Test Pressure	21.8 bar
Body Material	Brass



Pressure Reducing Valve

Model	PRV-25H	PRV-50H
Size	25 mm	50 mm
Test Pressure	24 bar	
Maximum Inlet Pressure	20 bar	
Maximum Outlet Pressure	4 bar	



Fire Hose Guide

Model	FHG-01
Body Material	Steel with Nylon Roller Beads
Type	Mounting at Inlet Pipe
Finishing	Zinc Chromed, Black Roller



Nozzle Box / Holder

Model	NZB-03	NZH
Body Material	Aluminium Alloy	Steel
Type	Wall Mounted	Wall Mounted
Glass	Clear Glass	N/A
Finishing	Red	Red



Hose Reel Cover

Body Material	Waterproof Vinyl
Fastening Type	Sticky Self-Adhesive
Finishing	Red



Wall Mounted Type



Recessed Type

Fire Hose Reel Wall Mounted Cabinets

Model	Material	Size W x H x D	Applicable for
HRC-WM01	Mild Steel	700 mm x 700 mm x 250 mm	EH19-SHM-09GI
HRC-WM02	Mild Steel	700 mm x 700 mm x 290 mm	EH25-SAM-09BR
HRC-WM03	Mild Steel	700 mm x 700 mm x 290 mm	EH25-SAM-09BR (VR 2)
HRC-WM04	Mild Steel	760 mm x 760 mm x 320 mm	EH25-SDM-09GI
HRC-WM05	Mild Steel	900 mm x 900 mm x 240 mm	Auto Hose Reel-0.9
HRC-WM06	Mild Steel	750 mm x 750 mm x 290 mm	EH25-SAM-09BR
HRC-WS01	Stainless Steel	700 mm x 700 mm x 290 mm	EH25-SAM-09BR
HRC-WS03	Stainless Steel	800 mm x 800 mm x 350 mm	EH25-SAM-09BR
HRC-WS04	Stainless Steel	760 mm x 760 mm x 320 mm	EH25-SDM-09GI

Fire Hose Reel Recessed Cabinets

Model	Material	Size W x H x D	Applicable for
HRC-RM01	Mild Steel	700 mm x 700 mm x 250 mm	EH19-SHM-09BR EH19-SAM-09BR
HRC-RM02	Mild Steel	700 mm x 700 mm x 290 mm	EH25-SHM-09BR
HRC-RM03	Mild Steel	760 mm x 760 mm x 320 mm	EH25-SDM-09GI EH25-SDM-12GI
HRC-RS01	Stainless Steel	700 mm x 700 mm x 290 mm	EH25-SHM-09GI EH25-SAM-09BR
HRC-RS02	Stainless Steel	800 mm x 800 mm x 350 mm	Auto Hose Reel-0.9

FIRE HYDRANT EQUIPMENT

Wet Riser Equipment

- Landing Valve: Oblique, Right Angle & Bip Nosed Pressure Regulating
- Dry Riser Breeching Inlet: 2 Way & 4 Way
- Cabinet
- Adaptors and Coupling

Fire Hydrant

- Pillar Hydrants: 2 way, 3 way & 4 way
- Dry Barrel Hydrant: With break system & without break system

Fire Hoses

- Lay Flat Fire Hose
- Fire Hose Rack Assembly
- Hose Cradle

Fire Nozzles

- Aluminium Jet Nozzles: Jet & Spray
- Pistol Grip Nozzle



A fire hydrant system in a building comprises a series of components that when assembled together provide a source of water with sufficient pressure and flow delivered through pipes throughout the building to strategically located network of valves for fire-fighting purposes.

Water from the fire hydrant system can also be shared with other safety measures such as automatic fire sprinkler systems or fire hose reels.

Pillar fire hydrant and underground fire hydrant are a connection point outside the building by which firefighters or fire engine can tap into a pressurized water supply.





Screw Oblique Landing Valve

Model	VLOS
Inlet	R 2 1/2" Screw Thread to EN 10226
Outlet	Female Instantaneous to BS 336
Nominal Inlet Working Pressure	Up to 15 bar
Body Test Pressure	22.5 bar @ 2 min
Seat Test Pressure	16.5 bar @ 2 min
Body Material	Copper Alloy to BS 1400
Handwheel Material	Grey Cast Iron / Aluminium Alloy
Paint Finishing*	RAL 3000 Flame Red Epoxy Polyester Powder Coating
Manufactured & Certified to	BS 5041 Part 1

*Yellow finishing available upon request
 Suruhanjaya Perkhidmatan Air Negara (SPAN) Registered



Screw Bib Nosed Pressure Regulating Landing Valve (E-Type)

Model	RLOS
Inlet	R 2 1/2" Screw Thread to EN 10226
Outlet	Female Instantaneous to BS 336
Nominal Inlet Working Pressure	Up to 20 bar
Body Test Pressure	30 bar @ 2 min
Seat Test Pressure	22 bar @ 2 min
Body Material	Copper Alloy to BS 1400
Handwheel Material	Grey Cast Iron / Aluminium Alloy
Paint Finishing*	RAL 3000 Flame Red Epoxy Polyester Powder Coating
Manufactured & Certified to	BS 5041 Part 1

*Yellow finishing available upon request
 Suruhanjaya Perkhidmatan Air Negara (SPAN) Registered



Screw Right Angle Landing Valve

Model	VLR
Inlet	R 2 1/2" Screw Thread to EN 10226
Outlet	Female Instantaneous to BS 336
Nominal Inlet Working Pressure	Up to 15 bar
Body Test Pressure	22.5 bar @ 2 min
Seat Test Pressure	16.5 bar @ 2 min
Body Material	Copper Alloy to BS 1400
Handwheel Material	Grey Cast Iron / Aluminium Alloy
Paint Finishing*	RAL 3000 Flame Red Epoxy Polyester Powder Coating
Manufactured & Certified to	BS 5041 Part 1

*Yellow finishing available upon request
 Suruhanjaya Perkhidmatan Air Negara (SPAN) Registered



Flanged Oblique Landing Valve

Model	VLOF
Inlet	DN 65 Flanged to EN1092-3 Table 16/21
Outlet	Female Instantaneous to BS 336
Nominal Inlet Working Pressure	Up to 15 bar
Body Test Pressure	22.5 bar @ 2 min
Seat Test Pressure	16.5 bar @ 2 min
Body Material	Copper Alloy to BS 1400
Handwheel Material	Grey Cast Iron / Aluminium Alloy
Paint Finishing*	RAL 3000 Flame Red Epoxy Polyester Powder Coating
Manufactured & Certified to	BS 5041 Part 1

*Yellow finishing available upon request
 Suruhanjaya Perkhidmatan Air Negara (SPAN) Registered



Flanged Bib Nosed Pressure Regulating Landing Valve (E-Type)

Model	RLOF
Inlet	DN 65 Flanged to EN1092-3 Table 16/21
Outlet	Female Instantaneous to BS 336
Nominal Inlet Working Pressure	Up to 20 bar
Body Test Pressure	30 bar @ 2 min
Seat Test Pressure	22 bar @ 2 min
Body Material	Copper Alloy to BS 1400
Handwheel Material	Grey Cast Iron / Aluminium Alloy
Paint Finishing*	RAL 3000 Flame Red Epoxy Polyester Powder Coating
Manufactured & Certified to	BS 5041 Part 1

*Yellow finishing available upon request
 Suruhanjaya Perkhidmatan Air Negara (SPAN) Registered



Flanged Right Angle Landing Valve

Model	VLRF
Inlet	DN 65 Flanged to EN1092-3 Table 16/21
Outlet	Female Instantaneous to BS 336
Nominal Inlet Working Pressure	Up to 15 bar
Body Test Pressure	22.5 bar @ 2 min
Seat Test Pressure	16.5 bar @ 2 min
Body Material	Copper Alloy to BS 1400
Handwheel Material	Grey Cast Iron / Aluminium Alloy
Paint Finishing*	RAL 3000 Flame Red Epoxy Polyester Powder Coating
Manufactured & Certified to	BS 5041 Part 1

*Yellow finishing available upon request
 Suruhanjaya Perkhidmatan Air Negara (SPAN) Registered



2 Way Breaching Inlet

Model	BI 2
Inlet	Ø65 mm Male Copper Alloy Inst. Non Return Valve
Outlet	100 mm Flanged to EN 1092-2
Pressure Rating	PN 16
Test Pressure	20 bar
Overall Width	279 mm
Overall Height	215 mm
Overall Weight	17 kg
Body Material	Ductile Iron / Cast Iron**
Cap	Plastic with chromed chained
Paint Finishing*	RAL 3000 Flame Red Epoxy Polyester Powder Coating
Manufactured & Certified to	BS 5041 Part 3

*Yellow finishing available upon request

**Factory tested

Suruhanjaya Perkhidmatan Air Negara (SPAN) Registered



4 Way Breaching Inlet

Model	BI 4
Inlet	Ø65 mm Male Copper Alloy Inst. Non Return Valve
Outlet	150 mm Flanged to EN 1092-2
Pressure Rating	PN 16
Test Pressure	20 bar
Overall Width	285 mm
Overall Height	215 mm
Overall Weight	33 kg
Body Material	Ductile Iron / Cast Iron**
Cap	Plastic with chromed chained
Paint Finishing*	RAL 3000 Flame Red Epoxy Polyester Powder Coating
Manufactured & Certified to	BS 5041 Part 3

*Yellow finishing available upon request

**Factory tested

Suruhanjaya Perkhidmatan Air Negara (SPAN) Registered



2 Way Breaching Cabinet

Model	BC-2M
Body Material	Mild Steel Sheet
Dimension	595 mm x 364 mm x 295 mm
Glass	Clear Glass
Paint Finishing	RAL 3000 Flame Red Epoxy Polyester Powder Coating
Manufactured to	BS 5401 Part 5



4 Way Breaching Cabinet

Model	BC-4M
Body Material	Mild Steel Sheet
Dimension	582 mm x 564 mm x 295 mm
Glass	Clear Glass
Paint Finishing	RAL 3000 Flame Red Epoxy Polyester Powder Coating
Manufactured to	BS 5401 Part 5



2 Way Fire Hydrant c/w Adaptor & Blank Cap

Model	PH2T
Inlet	100 mm Flanged to EN 1092-2 Table 9
Outlet	2 x 65 mm Male V Blank Cap & Chain
Working Pressure	16 bar
Test Pressure	24 bar
Overall Flowrate	2000 L / min @ 1.7 bar
Body Material	Cast Iron** / Ductile Iron to BS 2789
Outlet Material	Copper Alloy to BS 1400
Paint Finishing*	RAL 3000 Flame Red Epoxy Polyester Powder Coating
Manufactured & Certified to	JKR 20200-0042-99

*Yellow finishing available upon request

**Factory tested

Suruhanjaya Perkhidmatan Air Negara (SPAN) Registered & Pending Watermak Approval



2 Way Fire Hydrant c/w Landing Valve

Model	PH2Q
Inlet	100 mm Flanged to EN 1092-2 Table 9
Outlet	2 x 65 mm Landing Valve With Female Inst. to BS 336
Working Pressure	16 bar
Test Pressure	24 bar
Overall Flowrate	2000 L / min @ 1.7 bar
Body Material	Cast Iron** / Ductile Iron to BS 2789
Outlet Material	Copper Alloy to BS 1400
Paint Finishing*	RAL 3000 Flame Red Epoxy Polyester Powder Coating
Manufactured & Certified to	JKR 20200-0042-99

*Yellow finishing available upon request

**Factory tested

Suruhanjaya Perkhidmatan Air Negara (SPAN) Registered & Pending Watermak Approval



2 Way Fire Hydrant c/w Pressure Regulating Valve

Model	PH2R
Inlet	100 mm Flanged to EN 1092-2 Table 9
Outlet	2 x 65 mm Pressure Regulating Valve With Female Inst. to BS 336
Working Pressure	20 bar
Test Pressure	30 bar
Overall Flowrate	2000 L / min @ 1.7 bar
Body Material	Cast Iron** / Ductile Iron to BS 2789
Outlet Material	Copper Alloy to BS 1400
Paint Finishing*	RAL 3000 Flame Red Epoxy Polyester Powder Coating
Manufactured & Certified to	JKR 20200-0042-99

*Yellow finishing available upon request

**Factory tested

Suruhanjaya Perkhidmatan Air Negara (SPAN) Registered & Pending Watermak Approval



BS EN 14384:2005
Cert/LPCB ref.1280Ga



Dry Barrel Hydrant Without Break System

Model	EE16-082S			EE16-083S			
Inlet	DN 100 Flange BS 1092			DN 150 Flange BS 1092			
Outlet	Two 2.5" BSP Hose Outlet and One 4" BSP Pumper* (add Coupling or Valves)						
Dimension	A	494 mm			569 mm		
	B	306 mm			305 mm		
	L	680 mm	1080 mm	1325 mm	480 mm	680 mm	1080 mm
Working Pressure	16 bar						
Closing Direction	Clockwise						
Opening Turns	16			15			
Upper Barrel Finishing	Red Electrostatic Powder Coating						
Lower Barrel Finishing	Black Bituminous Paint						
Shell Material	Ductile Iron						
Time for Draining	≤ 10 min						
Retained Water	≤ 150 ml			≤ 200 ml			
Manufactured & Certified to	BS EN 14384, LPCB						

*Various type of thread of pumper adapter available upon request



BS EN 14384:2005
Cert/LPCB ref.1280Ga



Dry Barrel Hydrant Without Break System c/w Instantaneous Hose Connector

Model	EE16-082T			EE16-083T			
Inlet	DN 100 Flange BS 1092			DN 150 Flange BS 1092			
Outlet	Two 2.5" BS 336 Hose Connectors and One 4" BSP Pumper*						
Dimension	A	494 mm			575 mm		
	B	306 mm			297 mm		
	L	680 mm	1080 mm	1325 mm	480 mm	680 mm	1080 mm
Working Pressure	16 bar						
Closing Direction	Clockwise						
Opening Turns	17			16.5			
Upper Barrel Finishing	Red Electrostatic Powder Coating						
Lower Barrel Finishing	Black Bituminous Paint						
Shell Material	Ductile Iron						
Time for Draining	≤ 10 min						
Retained Water	≤ 150 ml			≤ 200 ml			
Manufactured & Certified to	BS EN 14384, LPCB						

*Various type of thread of pumper adapter available upon request



BS EN 14384:2005
Cert/LPCB ref.1280Ga



Dry Barrel Hydrant With Break System

Model	EE16-117S	EE16-117T
Inlet	DN 100 Flange BS 1092	DN 150 Flange BS 1092
Outlet	Two 2.5" BSP Hose Outlets and One 4" BSP Pumper* (add Coupling or Valves)	
Dimension	A	565 mm
	B	321 mm
	L	300 mm
Working Pressure	16 bar	
Closing Direction	Clockwise	
Opening Turns	11	
Upper Barrel Finishing	Red Electrostatic Powder Coating	
Lower Barrel Finishing	Black Bituminous Paint	
Shell Material	Ductile Iron	
Time for Draining	≤ 10 min	
Retained Water	≤ 150 ml	
Foot Option	Straight Foot / Duct Foot Bend	
Manufactured & Certified to	BS EN 14384, LPCB	

*Various type of thread of pumper adapter available upon request



BS EN 14384:2005
Cert/LPCB ref.1280Ga



Dry Barrel Hydrant With Break System c/w Instantaneous Hose Connector

Model	EE16-117U	EE16-117V		
Inlet	DN 100 Flange BS 1092	DN 150 Flange BS 1092		
Outlet	Two 2.5" BS 336 Hose Connector and One 4" BSP Pumper*			
Dimension	A	565 mm		
	B	321 mm		
	L	300 mm	453 mm	680 mm
Working Pressure	16 bar			
Closing Direction	Clockwise			
Opening Turns	11			
Upper Barrel Finishing	Red Electrostatic Powder Coating			
Lower Barrel Finishing	Black Bituminous Paint			
Shell Material	Ductile Iron			
Time for Draining	≤ 10 min			
Retained Water	≤ 150 ml			
Foot Option	Straight Foot / Duct Foot Bend			
Manufactured & Certified to	BS EN 14384, LPCB			

*Various type of thread of pumper adapter available upon request



3-Way Pillar Hydrant

Model	PH3T
Inlet	Flange 150mm to Table 16/21 BS 4504 : 2
Outlet	2 x 2 1/2" BSP and 1 x 4" BSP Threaded Connectors
Working Pressure	16 bar
Test Pressure	24 bar
Finishing	RAL 3000 Red Coating
Designed & Manufactured to	Factory Tested



4-Way Pillar Hydrant c/w Pressure Regulating Valve

Model	PH4R
Hydrant Working Pressure	7-16 bar
Hydrant Test Pressure	24 bar
Inlet*	5" Butterfly Valve PN16 to BS 4504
Inlet Working Pressure (max)	16 bar
Outlet	65 mm Self Regulating Valve Flange to BS 5041 : 1
Outlet Pressure Setting (max)	7 bar for Each Outlet
Pumper Connection	5" Female STORZ
Pumper Material	Gun Metal
Finishing	Galvanized / Sandblasted and Painted RAL 3000 Flame Red

*Other connection available upon request



BS Female Instantaneous & Female Screw Thread Hydrant Adaptor

Model	ADH-FIFS
Body Material	Aluminium Alloy
Size	2 1/2"
Connection	2" Female BS 336 Instantaneous Coupling and Female BSPT Screw Thread
Paint Finishing	RAL 3000 Flame Red Epoxy Polyester



BS Male Instantaneous With Male Screw Thread Hydrant Adaptor

Model	ADH-MIMS		
Body Material	Brass		
Head Size	2 1/2" BS 336		
Tail Size	2" BSP	2 1/2" BSP	2 1/2" NST
Finishing	Plain		



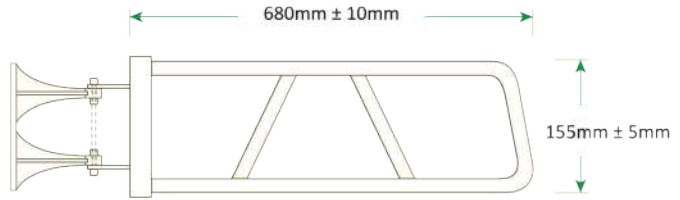
BS Female Instantaneous With Female Screw Thread Hydrant Adaptor

Model	ADH-MIFS		
Body Material	Brass		
Head Size	2 1/2" BS 336		
Tail Size	2" BSP	2 1/2" BSP	2 1/2" NST
Finishing	Plain		



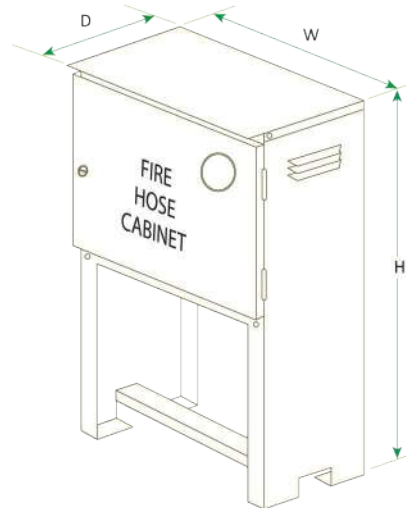
BS Male Instantaneous Hydrant Blank Cap

Model	CAH-MI	
Body Material	Brass	
Head Size	1 1/2" BS 336	2 1/2" BS 336
Finishing	Plain	



Hose Cradle

Model	HCD-01
Body Material	Aluminium Alloy and Steel
Dimension (L x H x W)	680 mm x 155 mm x 180 mm
Movement	180° (left to right)
Paint Finishing	RAL 3000 Flame Red Epoxy Polyester Powder Coating



Hydrant Equipment Cabinets (c/w Stand)

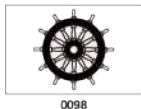
Model	HC-01	HC-02
Body Material	0.9 mm Mild Steel Sheet	1.2 mm Mild Steel Sheet
Dimension (W x H x D)	560 mm x 1180 mm x 330 mm	
Standard Capacity	2 Coils of 2 1/2" x 30 m Hose and 2 units of Nozzles	
Installation	Floor Mounted	
Paint Finishing	RAL 3000 Flame Red Epoxy Polyester Powder Coating	



Type 1 & Type 3 Fire Hose

Model	T110-65	T113-38	T113-65	T116-38	T116-65	T316-65	T316-38
Type	Type 1			Type 3			
Size	65 mm	38 mm	65 mm	38 mm	65 mm	65 mm	38 mm
Standard Length	30 m						
Coupling	Instantaneous Coupling / GOST Coupling						
Working Pressure	10 bar	13 bar	16 bar		16 bar		
Test/Burst Pressure	15 bar / 30 bar	19.5 bar / 39 bar		19.5 bar / 32 bar		24 bar / 48 bar	
Colour	White			Red			
Material	Canvas			Rubber			
Manufactured to	BS 6391						

Note: Various hose length and coupling type available upon request



MED Fire Hoses

Model	SH15M-40P	SH15M-45P	SH15M-52P	SH15M-45E	SH15M-52E
Type	Single Jacket				
Size	40 mm	45 mm	52 mm	45 mm	52 mm
Standard Length	15m / 20m / 25m				
Coupling	Instantaneous Coupling				
Working Pressure	15 bar				
Burst Pressure	45 bar				
Inner Material	PVC			EPDM	
Outer Material	Polyster Filament Yarn				
Colour	White				
Manufactured & Certified to	EN 14540 MED				

Note: Various coupling type available upon request



The **EVERSAFE** Fire Hose Rack Assembly is used to provide immediate and efficient water source for fire suppression, and permits one-man operation. The assembly is for occupants use, Class II service under NFPA 14 standard class of service. The pin rack features an automatic release mechanism where water flow through the hose after the last fold is released.



Fire Hose Rack Assembly 1 1/2"



Fire Hose Rack Assembly 2 1/2"

Fire Hose Rack Assembly 1 1/2" & 2 1/2"

Model	HRA-38-AV-JS	HRA-38-RV-JS	HRA-65-AV-JS	HRA-65-RV-JS
Description	1 1/2" Hose Rack Assembly c/w Angle Valve	1 1/2" Hose Rack Assembly c/w Pressure Reducing Valve	2 1/2" Hose Rack Assembly c/w Angle Valve	2 1/2" Hose Rack Assembly c/w Pressure Reducing Valve
Hose Release Mechanism	Automatic			
Hose Valve Type	1 1/2" Angle Hose Valve	1 1/2" Pressure Reducing Valve	2 1/2" Angle Hose Valve	2 1/2" Pressure Reducing Valve
Fire Hose Type	1 1/2" Polyester Single Jacket Rack Hose		2 1/2" Polyester Single Jacket Rack Hose	
Nozzle Type	1 1/2" Portable Jet/Spray Nozzle		2 1/2" Portable Jet/Spray Nozzle	
Hose Size	1 1/2" x 100 ft		2 1/2" x 100 ft	
Hose Colour	White			
Service Pressure	200 psi			
Burst Pressure	600 psi			

Note: UL/FM approved components

Lay Flat Fire Hose



Model	SH14-38ET	SH14-65ET
Type	Single Jacket	
Size	38 mm	65 mm
Standard Length	50' / 75' / 100'	
Coupling	NH Threaded Coupling	
Working Pressure	200 psi	
Burst Pressure	600 psi	
Outer Material	Polyester	
Colour	White	



Angle Hose Valve

Model	AHV-38		AHV-65	
Size	DN40		DN65	
Inlet	1.5"NPT		2.5"NPT	
Outlet	1.5"NPT Female	1.5"NH Male	2.5"NPT Female	2.5"NH Male
Material	Brass / Bronze			
Max Rated Inlet Pressure	175 psig			
Manufactured & Certified to	UL 668			



Pressure Restricting Angle Hose Valve

Model	PRHV-38		PRHV-65	
Size	DN40		DN65	
Inlet	1.5"NPT		2.5"NPT	
Outlet	1.5"NPT Female / 1.5"NH Male		2.5"NPT Female / 2.5"NH Male	
Material	Brass / Bronze			
Max Rated Pressure	175 psig			
Manufactured & Certified to	UL 1468			



Portable Jet/Spray Nozzle UL

Model	PN-38JS	PN-65JS
Size	1 1/2"	2 1/2"
Pressure Rating	200 psi	
Service Pressure Range	20 - 200 psi	
Discharge Rate Wide Open @ 100 psi	130 gpm	280 gpm
Applicable Fire Class	A & B	
Manufactured & Certified to	UL 401	



Hose Pin Rack

Model	HPR-38	HPR-65
Size	1 1/2"	2 1/2"
Mechanism	Automatic	
Body Material	Mild Steel	
Finishing	RAL 3000 Painted Red	



Hose Rack Nipple

Model	HN-38	HN-65
Size	1 1/2"	2 1/2"
Body Material	Brass	



Jet Nozzle Complete With Branchpipe

Model	JSN-001-AL
Body Material	Aluminium Alloy to BS 1490
Finishing	Natural
Inlet Size	Male Instantaneous BS 336
Flow Rate @ 65 PSI	210 L / min @ 12 mm Diameter 510 L / min @ 19 mm Diameter
Throw range @ 65 PSI	16 m @ 12 mm Diameter 22 m @ 19 mm Diameter



Jet / Spray Diffuser Nozzle (Standard)

Model	JSN-003-AL-S
Body Material	Aluminium Alloy to BS 1490
Finishing	Natural
Inlet Size	Male Instantaneous BS 336
Flow Rate @ 65 PSI	500 L / min (Jet) 590 L / min (Spray)
Throw range @ 65 PSI	26 m (Jet) 15 m (Spray)



Jet / Spray Diffuser Nozzle Complete With Branchpipe

Model	JSN-004-AL-S-BP
Body Material	Aluminium Alloy to BS 1490
Finishing	Natural
Inlet Size	Male Instantaneous BS 336
Flow Rate @ 65 PSI	500 L / min (Jet) 590 L / min (Spray)
Throw range @ 65 PSI	26 m (Jet) 15 m (Spray)



Jet / Spray Nozzle Complete With Control Valve

Model	JSN-007-AL-CV-065
Body Material	Aluminium Alloy to BS 1490
Finishing	Natural
Inlet Size	2 1/2" BSP Male Instantaneous BS 336
Flow Rate @ 65 PSI	160 L / min (Jet) 140 L / min (Spray)
Throw range @ 65 PSI	14 m (Jet/Spray)



Jet Nozzle Complete With Control Valve (Screw Thread)

Model	JSN-007-AL-CV-050
Body Material	Aluminium Alloy to BS 1490
Finishing	Natural
Inlet Size	2" BSP Male Thread
Flow Rate @ 65 PSI	160 L / min (Jet)
Throw range @ 65 PSI	14 m (Jet)

Selectable Gallonage Water Nozzle

Fire Hydrant Equipment Pistol Grip Nozzle



- These nozzles allow users to adjust the water flow rate based on the fire's intensity. This feature helps conserve water while still delivering the necessary power to fight the flames effectively.

Model	EHN-SGW			
Flow range	15-30-45-60 LPM 4-8-12-16 GPM	50-100-150-230 LPM 13-26-40-61 GPM	115-230-360-475 LPM 30-61-95-125 GPM	360-475-560-760-950 LPM 95-125-147-200-250 GPM
Throw range	22m @ 6 bar	35m @ 7 bar	40m @ 7 bar	55m @ 7 bar
Working pressure range	6 bar - 25 bar			
Flush function	Yes			
Jet pattern	Jet or Fog spray			
Max. fog angle	110°			
Inlet size	1" to 2.5"			
Inlet coupling	Storz, NH, Inst, GOST, Machino			
Product material	Hard Anodized Aluminium (Body) Injection Molded Nylon / ABS (Handle) Rubber (Nozzle bumper)			

Automatic Flow Water Nozzle



- These innovative nozzles automatically adjust the water flow to maintain an optimal spray pattern. This ensures consistent performance and reduces the physical effort required from firefighters, allowing them to focus on controlling the fire.

Model	EHN-AFW	
Flow range	40-400 LPM 10.56-105.66 GPM	200-760 LPM 52.83-200 GPM
Throw range	40m at 6 bar	50m at 7 bar
Max. fog angle	120°	
Inlet size	1.5", 2", 2.5"	
Inlet coupling	Storz, NH, Inst, BSP	
Product material	Hard Anodized Aluminium (Body) Injection Molded Nylon / ABS (Handle) Rubber (Nozzle Bumper)	

HOME & VEHICLE FIRE SAFETY

Home Fire Safety 3-in-1 Home Safety Kit

- 1kg Portable Dry Powder Fire Extinguisher
- Fire Blanket
- Smoke Alarm

Fire Blanket

- 4 Sizes of Fire Blanket
 - 1.0m x 1.0m
 - 1.2m x 1.2m
 - 1.2m x 1.8m
 - 1.8m x 1.8m

Vehicle Fire Safety

- 600g Portable Dry Powder Fire Extinguisher
- 1kg Portable Dry Powder Fire Extinguisher
- 2kg Portable Dry Powder Fire Extinguisher
- F500 EA fire extinguisher
- Vehicle fire blanket





- 1 kg Fire Extinguisher
 - ✓ User Friendly
 - ✓ Pressure Indicator
 - ✓ Controllable Discharge
 - ✓ Bracket Included
- Fire Blanket
 - ✓ Quick Release Container
 - ✓ Sleek Design
- Photoelectric Smoke Alarm
 - ✓ Power & Alarm Test Button
 - ✓ Low Battery Indicator
 - ✓ Detects Slow Smouldering Fires
 - ✓ Loud 85db Alarm Signal



Fire Extinguisher

Model	EC1
Type	Stored Pressure ABC Dry Powder Type
Capacity	1 kg
Propellant	Nitrogen
Valve	Controllable Non Ferrous Valve With Pressure Indicator
Dimension (H) x (Ø)	325 mm x 78.5 mm
Approx Full Weight	1.7 kg
Working Temperature Pressure	-20°C to +60°C
Working / Test / Burst Pressure	12 bar/ 25 bar / >69 bar
Approximate Discharge Range	2 m - 3 m
Approximate Discharge Time	9 sec
Fire Rating	5A / 21B
Fire Class	A, B, C + Electrical
Internal Coating	Stoving Epoxy Primer
Paint Finishing	RAL 3000 Flame Red Epoxy Polyester Powder Coating
Mounting	Plastic Bracket
Manufactured & Certified to	MS 1539 : 1



Fire Blanket

Model	FB22SRC
Blanket Size	1.2 m x 1.2 m
Packing	256 mm x 160 mm 40 mm
Weight	1.1 kg
Material	100% Woven Fibre Glass in PVC Case
Flammability	Non-Flammable
Surface	Silica Coated
Temperature Range	-20°C to 500°C
Resistance	Oil, Grease, Fat, Acid, Alkali
Gas Permeability	Low Gas Permeability
Designed & Manufactured to	EN 1869



TSS910A

MTS-166/9V

Photoelectric Smoke Alarm

Model	MTS-166/9V	TSS910A
Power Source	9V DC Alkaline / Lithium battery	
Steady Current	<20 µA	≤8 µA
Alarm Current	<50 µA	≤28 mA
Operation Temperature	0°C - 40°C	
Ambient Humidity	Within 10% - 90% RH	
Horn Level	85dB at 3 m	
Designed & Manufactured to	EN 14604	



E600

EC-1

EC-2

Model	E600	EC-1	EC-2
Type		Stored Pressure Type	
Extinguishant		ABC Dry Powder	
Capacity	600g	1kg	2kg
Propellant		Nitrogen (N ₂)	
Valve		Controllable Non Ferrous Valve with Pressure Indicator	
Body Diameter	64 mm	79 mm	110 mm
Overall Height	294 mm	325 mm	370 mm
Approx Full Weight	1.15 kg	1.7 kg	3.3 kg
Working Temperature Range		-20°C to 60°C	
Working Pressure		12 bar	
Test Pressure		25 bar	
Burst Pressure		Exceeds 69 bar	
Approx Discharge Range	2m - 3m	2m - 3m	2m - 4m
Approx Discharge Time	7 sec	9 sec	12 sec
Fire Rating	5A/21B	5A/21B	8A/34B
Fire Class		A, B, C + Electrical	
Internal Coating		Stoving Epoxy Primer	
Paint Finishing		RAL 3000 Flame Red Epoxy Polyester Powder Coating	
Mounting		Plastic Bracket	
Manufactured & Certified to	Factory Manufacturing Standard	MS 1539 : Part 1 : 2002 BOMBA Approved	



Model	EEV 9
Type	Stored Pressure Type
Extinguishant	F500 EA (Encapsulator Agent Premix)
Capacity	9 litres
Propellant	Nitrogen (N ₂)
Valve	Controllable Chrome Plated Brass Valve with Pressure Indicator
Body Diameter	178 mm
Overall Height	625 mm
Approx Full Weight	13.7 kg
Working Temperature Range	+5°C to +60°C
Working Pressure	12 bar
Test Pressure	25 bar
Burst Pressure	Exceeds 69 bar
Approx Discharge Range	6m
Approx Discharge Time	57 sec
Fire Class	A,B,C + Lithium-ion battery
Internal Lining	Thermoplastic Powder Coating (PPA)
Paint Finishing	RAL 3000 Flame Red Epoxy Polyester Powder Coating
Mounting	Metal 'L' Wall Bracket
Designed & Manufactured to	EN 3

Various capacity from 2L to 9L available upon request

*Optional: Selectable gallonage nozzle



Model	MEM 45
Type	Stored Pressure Type
Extinguishant	F500 EA (Encapsulator Agent Premix)
Capacity	45 litres
Propellant	Nitrogen (N ₂)
Valve / Headcap	Brass Valve with Pressure Gauge
Discharge Hose	16 mm x 6m
Wheel Diameter	300 mm
Body Diameter	386 mm
Overall Height	980 mm
Overall Width	565 mm
Overall Depth	670 mm
Approx Empty Weight	46 kg
Approx Full Weight	91 kg
Working Temperature Range	+5°C to +60°C
Working Pressure	12 bar
Test Pressure	21.5 bar
Safety Valve Lift Pressure	17 - 21 bar
Approx Discharge Time	109 sec
Approx Discharge Range	10 - 12 m
Fire Class	A,B,C + Lithium-ion battery
Internal Coating	High Build Epoxy Tank Coating
Paint Finishing	RAL 3000 Flame Red Epoxy Polyester Powder Coating
Designed & Manufactured to	EN 1866

*Larger capacity mobile fire extinguisher up to 150L & Mobile Foam Unit available upon request



FB34M

FB68V

FB68EV

Model	FB34M	FB68V	FB68EV
Blanket size	3m x 4m	6m x 8m	6m x 8m
Approx thickness	0.45 mm	0.45 mm	0.75 mm
Approx blanket weight	480 g/m ²	480 g/m ²	880 g/m ²
Approx full weight	4kg	26kg	43kg
Material	Double sided silicone coated fiberglass	Double sided silicone coated fiberglass	Silicone coated high silica
Heat Resistance Temperature	Withstand: 550°C Melting: 1,100°C	Withstand: 550°C Melting: 1,100°C	Withstand temp: 1,000°C Melting: 1,600°C
Test Standard		EN 13501-1:2018	



Model	FB11AS	FB22AS	FB28AS	FB88AS
Blanket Size	1.0 m x 1.0 m	1.2 m x 1.2 m	1.2 m x 1.8 m	1.8 m x 1.8 m
Packing Dimension (L x W x H)	230 x 160 x 35 mm	230 x 160 x 35 mm	340 x 160 x 35 mm	370 x 290 x 40 mm
Weight	0.65 kg	0.84 kg	1.23 kg	1.51 kg
Material	100% Woven Fibre Glass in Polybag			
Flammability	Non-Flammable			
Temperature Range	-20°C to 500°C			
Resistance	Oil, Grease, Fat, Acid, Alkali			
Designed & Manufactured to	AS/NZS 3504 : 2006			



Model	FB8-22R	FB8-28R	FB8-58F
Blanket Size	1.2 m x 1.2 m	1.2 m x 1.8 m	1.5 m x 1.8 m
Packing Dimension	235 x 160 x 40	256 x 160 x 40	340 x 160 x 40
Weight	0.89 kg	1.33 kg	1.41 kg
Material	100% Woven Fibre Glass in PVC Case	Soft PVC Bag	
Flammability	Non-Flammable		
Surface	Silica Coated		
Temperature Range	-20°C to 500°C		
Resistance	Oil, Grease, Fat, Acid, Alkali		
Gas Permeability	Low Gas Permeability		
Designed & Certified to	EN 1869, LPCB Approved		



TSS910A MTS-166/9V MSA-866/
MTS-166RF MSA866/10YRF

Battery Operated Photoelectric Smoke Alarm

Model	MTS-166/9V	MTS-166RF	MSA-866	MSA866/10YRF	TSS910A
Battery Life	1 Year		10 Year	10 Year	1 Year
Wireless Interconnection	N/A	Yes	N/A	Yes	N/A
Transmitting & Receiving Distance	N/A	Max 20 units within 80m outdoor	N/A	Max 20 units within 50m outdoor	N/A
Power Source	9V Lithium Battery		3V Lithium		DC 9V
Operation Current	< 50 mA		< 20 mA		≤28 mA
Operation Temperature	0°C - 40°C				
Ambient Humidity	Within 10% - 90% RH				
Horn Level	85dB at 3m				
Manufactured To	BS EN 14604 : 2005, BSI Kitemark				
Tested & approve by	Tested by BSI & approve by BOMBA				

LPG Gas Detector



Model	HM-712NS-AB
Operating Voltage	100- 240V AC
Rated Power	≤ 3W (220V AC Power Supply)
Warm-up Time	3 - 5 minutes
Alarm Level	10% (± 5%) LEL of Natural Gas
Alarm Indicator	Corresponding LED Red and Flashing
Malfunction Indicator	Yellow LED & Long-buzz Beeper
Alarm Sound	≥ 85db/m (within 3m)
Operating Temperature	-10°C + 50°C
Installation Mode	Wall Mounted
Dimension (HxWxD)	121mm x 82mm x 40mm

FIRE MONITOR

Types of Fire Monitors:

Manual Operation Fixed Types

- Permanently installed and operated by hand.
- Provide reliable control & ideal for stationary firefighting needs

Remote Control Models

- Can be operated from a distance, allowing firefighters to maintain safety while controlling the water flow. This is particularly useful in hazardous situations where getting close to the fire is risky.

Portable Monitor

- These lightweight and mobile monitor can be easily transported to different locations.
- Perfect for tackling fires in hard-to-reach areas, providing flexibility during emergencies.





Model	EFM-MW-01
Working pressure	8 bar/116 PSI
Flow rate	1200LPM (317GPM) / 1800LPM (475GPM) / 2400LPM (635GPM)*
Throw range	≥ 53m / ≥ 60m / ≥ 65m
Jetting pattern	Jet or Fog spray
Max. fog angle	120°
Travel angle	0°~360° (Horizontal rotation angle) -45°~ + 75° (Vertical elevation angle)
Waterway size	2.5"
Monitor inlet size	2.5" Flange*
Monitor outlet size	2.5"
Body & nozzle material	Aluminium Alloy*
Weight	11kg (24.2 lbs)
Finishing	Painted red



Model	EFM-MW-02
Working pressure	8 bar/116 PSI
Flow rate	1200LPM (317GPM) / 1800LPM (475GPM) / 2400LPM (635GPM)*
Throw range	≥ 50m / ≥ 60m / ≥ 65m
Jetting pattern	Jet or Fog spray
Max. fog angle	120°
Travel angle	0°~360° (Horizontal rotation angle) -55°~ + 70° (Vertical elevation angle)
Waterway size	3"
Monitor inlet size	3" Flange*
Monitor outlet size	2.5"
Body & nozzle material	Aluminium Alloy*
Weight	14.5kg (24.2 lbs)
Finishing	Painted red



Model	Oscillating unit
Max. working pressure	14 bar / 205 PSI
Min. working pressure	2.8 bar / 40 PSI
Max. flow rate	4800LPM (1,270GPM)
Min. flow rate	600LPM (158GPM)
Oscillation angle	6 level, 30°, 60°, 90°, 120°, 140°, 165°
Oscillation speed	>3round/sec
Inlet size	4" Flange*
Outlet size	4" Flange
Body material	Aluminium Alloy*
Weight	26.5kg (99lbs)
Finishing	Painted red

*Various product specification available upon request:

- Flow rate up to 12,000LPM (3,170GPM)
- Inlet size & connection type
- Material

Remote Control Operation

Fire Monitor Water Nozzle



Model	EFM-RW-01	EFM-RW-02
Working pressure	8 bar/116 PSI	10 bar/145 PSI
Flow rate	1200LPM (317GPM) / 1800LPM (475GPM) / 2400LPM (634GPM)*	6000LPM (1585GPM)*
Throw range	≥ 53m / ≥ 60m / ≥ 65m	≥ 90m
Jetting pattern	Jet or Fog spray	
Max. fog angle	120°	
Travel range	0°~360° (Horizontal rotation angle) -90°~ + 90° (Vertical elevation angle)	0°~360° (Horizontal rotation angle) -85°~ + 90° (Vertical elevation angle)
Waterway size	2.5"	4"
Monitor inlet size	2.5" Flange*	4" Flange*
Monitor outlet size	2.5"	3.5"
Body & nozzle material	Monitor body: Stainless steel Nozzle: Aluminium Alloy*	
Weight	17.5kg (38.5 lbs)	32kg (70.5 lbs)
Turning speed	12°/sec	10°/sec
Working voltage	AC 220V or DC 12V/24V	

*Various product specification available upon request:

- Flow rate up to 12,000LPM (3,170GPM)
- Inlet size & connection type
- Material
- Vehicle mounting or engineering wiring

Portable Operation



Model	EFM-PW-01
Working pressure	6 Bar /87 PSI ; 8 Bar /116 PSI
Flow rate	1200LPM (317GPM) / 1800LPM (475GPM) / 2400LPM (634GPM)*
Throw range	≥ 53m / ≥ 63m / ≥ 71m
Jetting pattern	Jet or Fog spray
Max. fog angle	120°
Travel range (Horizontal rotation angle)	-20°~+20°
Travel range (Vertical elevation angle)	+20°~ +70° (personnel operating) / +30°~ +70° (without personnel operating)
Monitor inlet size	2.5"*
Monitor outlet size	2.5"
Body & nozzle material	Aluminium Alloy*
Weight	10kg
Inlet connection	Ghost, Storz, Instantaneous, NH*

*Various product specification available upon request:

- Flow rate up to 4,800LPM (1,270GPM)
- Inlet size & connection type
- Material

FIRE EXTINGUISHING SYSTEMS

CARBON DIOXIDE

How does CO₂ System work?

- Fire is suppressed by reducing the oxygen level in the protected area to the point where combustion cannot be sustained.

Cooling is a secondary action of the agent which is used in local application where the liquid phase of the discharge is applied directly to the fire and hazard materials

System Advantages

- Colorless and odorless
- Electrically non-conductive to electrical equipment
- No residue upon discharge
- Discharge under its own pressure
- Fast and efficient due to agent low boiling point

45 kg CO₂ Seamless Cylinder

Cylinder Type	Seamless	
Volume	68 litres	
CO ₂ Capacity	45 kg	
Test Pressure	250 bar	
Working Pressure @ 20°C	56 bar	
Material	34Mn or 37Mn	
Approvals	DOT-3AA	ISO 9809





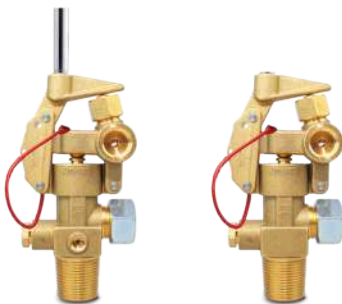
CO₂ Discharge Nozzle

Type	Pendent
Thread Size	1/2 " BSPT
Material	Brass
Discharge Pattern	Universal Direction
Approvals	Factory Manufacturing Standard



Pilot Cylinder

Cylinder Volume	3 Litre
Medium	Nitrogen
Working Pressure @ 20°C	50 bar
Burst Disc Pressure	60 - 70 bar
Solenoid Valve Pressure	0 - 90 bar
Solenoid Valve Voltage	24V DC
Approvals	Factory Manufacturing Standard



EE-209

EE-208

Quick Release Valve With Safety Pin

Model	EE-209	EE-208
Thread Size	1" BS 341	W 28.8 x 1/14"
Test Pressure	250 bar	
Material	Brass	



Solenoid Actuator

Type	Direct Acting
Size	1/4"
Control Mode	Normally Close
Voltage	24V DC
Working Pressure	0 - 90 bar
Material	Brass
Approvals	Factory Manufacturing Standard



Pilot T-Connection

Application	100 th Slave CO ₂ Cylinder
Connection	Ø 21.7 x 14 G
Material	Hydraulic Steel
Finishing	Rainbow Chromed
Approvals	Factory Manufacturing Standard



Discharge Hose

Type	High Pressure Hose
Size (Ø x L)	1/2" x 430 mm
Connection	3/4" BSPT Male / Ø 21.7 x 14 G Female Swivel
Working Pressure	160 bar
Test Pressure	310 bar
Material	Wire Braided Reinforced Synthetic Rubber
Hose Standard	SAE 100 RIAT



Pneumatic Actuating Hose

Type	High Pressure Hose	
Size (Ø x L)	1/4" x 300 mm	1/4" x 600 mm
Connection	3/8" BSP Male Swivel	
Working Pressure	160 bar	
Test Pressure	310 bar	
Material	Wire Braided Reinforced Synthetic Rubber	
Hose Standard	SAE 100 RIAT	



Pilot T-Connection Hose

Type	High Pressure Hose	
Size (Ø x L)	1/4" x 540 mm	1/4" x 800 mm
Connection	3/8" BSP Male Swivel / Ø 21.7 x 14 G Female Swivel	
Working Pressure	160 bar	
Test Pressure	310 bar	
Material	Wire Braided Reinforced Synthetic Rubber	
Hose Standard	SAE 100 RIAT	



Manifold

Size Ø	DN 20 - DN 80
Pipe Connection	BSPT Male
Test Pressure	100 bar
Material	Carbon Steel ASTM A-106 Grade B
Internal Coating	Galvanized
Finishing	RAL 3000 Flame Red Epoxy Polyester Powder Coating
Approvals	Factory Manufacturing Standard



Bracket

Thickness	5 mm
Material	Carbon Steel Flat Bar
Finishing	RAL 3000 Flame Red Epoxy Polyester Powder Coating

FIRE EXTINGUISHING SYSTEMS

IG-55, IG-100 & IG-541

Inert Gas System Approval & Certifications

- BSI ISO 9001 Quality Management Certification
- Certified by Underwriters Laboratories (UL)/VdS
- Listed in REACH Regulation Annexes IV
- Approved by BOMBA
- VdS validated flow calculation software

IG-55: The perfect Combination

- Blend of nitrogen and argon at a ration of 50:50. It combines effective action against fire with the flexibility required for any functional need and hazard configuration.

IG-100: Eco-Friendly & Versatile

- Use 100% nitrogen gas as an extinguishing agent for total flooding of occupied and unoccupied rooms. This gas is the main component of the atmosphere (78%) and is usually found as N₂, a very stable and non-reactive molecule.

IG-541: The Perfect Combination

- Blend 3 types of gases which is 40% argon, 52% nitrogen and 8% carbon dioxide. It is highly effective and multipurpose extinguishing system.

Location

CLEAN AGENT	INERT GAS	HALOCARBONS (HFC)	PERFLUOROKETONS (FK-5-1-12)
Storage Form	Gas	Liquefied Compressed Gas	Liquid
Low Footprint		✓	✓
High Pressure	✓		
Proximity of Cylinders to Protected Space	Can be located further away	Must be located within or very near to the space to be protected	Must be located within or very near to the space to be protected

Potential Health Effects

CLEAN AGENT	INERT GAS	HALOCARBONS (HFC)	PERFLUOROKETONS (FK-5-1-12)
By-Product	None	Yes	Yes
Use Concentration	34.2% - 42%	6.7% - 8.7%	4% - 6%
No Observable Adverse Effect Level (NOAEL)	43%	9%	10%
Discharge Time	60s	10s	10s

Environmental Effects

CLEAN AGENT	INERT GAS	HALOCARBONS (HFC)	PERFLUOROKETONS (FK-5-1-12)
Ozone Depletion Potential (ODP)	None	None	None
Global Warming Potential (GWP)	None	3500	1
Atmospheric Lifetime	None	29 Years - 33 Years	5 Days





Cylinder Valve Assembly

Working Pressure	300 bar
Working Temperature	-20°C to 50°C
Capacity	80L
Material	Seamless Steel 34CrMo4
Approx. Diameter	267 mm
Approx. Overall Height	1875 mm
Test Pressure	450 bar
Finishing	RAL 3000 Flame Red & RAL 6001 Green
Standard	ISO 9809-2, ADR/RID, TPED 2010/35/EU
Disc Bursting Pressure	430 bar
Approval	UL/VdS



Discharge Nozzle

Model (180°/360°)	DN15	DN20	DN25	DN32	DN40	DN50	DN65
Connection Thread	1/2" BSP	3/4" BSP	1" BSP	1 1/4" BSP	1 1/2" BSP	2" BSP	2 1/2" BSP
No. of Orifices	8 at 2 levels (360°) / 7 at 2 levels (180°)						
Material	Carbonated Steel						
Max. Height	7.1m						
Max. Coverage Area	13.2m x 13.2m						
Approval	UL/VdS						



Calibrated Nozzle Plate

Model	DN15	DN20	DN25	DN32	DN40	DN50	DN65
Connection Thread	1/2" BSP	3/4" BSP	1" BSP	1 1/4" BSP	1 1/2" BSP	2" BSP	2 1/2" BSP
Material	Steel AISI 304						
Approval	UL/VdS						

FIRE EXTINGUISHING SYSTEMS

NAF S 227® & NAF S 1230®

Certified Extinguishing Systems

- Comply with the requirement of NFPA 2001
- UL Listed
- Validated Flow Calculation Software
- UL approved by Bomba Malaysia & TNB

NAF S 1230® System Advantages

- Environmental friendly
- Zero Ozone Depletion Potential
- Low Global Warming Potential
- Short Atmospheric Lifetime of 5-days
- Not subject to Halon 1301 phase out or HFC phasedown

227® Systems Advantages

- Environmental friendly
- Zero Ozone Depletion Potential
- Low toxicity safe for human occupancy
- Electrically non-conductive to electrical equipment
- No residue upon discharge
- Compact and minimal footprint

227® Patented Additive D-Limonine

- Reduce decomposition by-product
- Increase extinguishing performance
- Citrus odor for leakage detection



Enclosure Integrity Test

It is laid down in NFPA 2001 standard that all total flooding clean agent system shall have the enclosure examined and tested to locate and then effectively seal any significant air leaks that could result in a failure of the enclosure to hold the specified agent concentration level for the specified holding period of 10 minutes. Wherefore Eversafe offers a systematic gas integrity pneumatic test and provides with documented quantitative test results to our clients.

Our technicians are Retrotec certified level 3 testers who are comfortable with performing the enclosure integrity test, use Retrotec's FanTestic Integrity software to evaluate peak pressure, free vent area & etc., and also able to do larger and more complex tests.

Systems Comparison

	NAF S 227®	NAF S 1230®
Gaseous Agent	✓	
Low Chemical Reactivity	✓	
Electrical Non-Conducting	✓	✓
High Weight Efficiency	✓	
Zero ODP	✓	✓
Global Warming Potential	3220	5
Non-VOC	✓	
Atmospheric Lifetime	33 years	1 year



180° & 360° Nozzles for NAF S 227®

Part No. 180° Nozzle	SH30400007	SH30400008	SH30400009	SH30400010	SH30400011	SH30400012	SH30400013
Part No. 360° Nozzle	SH30400000	SH30400001	SH30400002	SH30400003	SH30400004	SH30400005	SH30400006
Thread Size	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
Thread	NPT						
Working Pressure	60 bar						
Material	Steel						
Approvals	UL Listed						

180° & 360° Nozzles for NAF S 1230®

Part No. 180° Nozzle	SHFK304008	SHFK304009	SHFK304010	SHFK304011	SHFK304012	SHFK304013
Part No. 360° Nozzle	SHFK304001	SHFK304002	SHFK304003	SHFK304004	SHFK304005	SHFK304006
Thread Size	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
Thread	NPT					
Working Pressure	60 bar					
Material	Steel					
Approvals	UL Listed					

Nozzles Threaded Diaphragms

Part No.	SH30440032	SH30440042	SH30440052	SH30440062	SH30440072	SH30440082	SH30440092
Thread Size	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
Material	Steel AISI 303						
Approvals	UL Listed						



Welded Cylinder Valve Assembly 25 Bar Systems

Part No. NAF S 227	SH70027414	SH70027415
Part No. NAF S 1230	SHFKBCA175	SHFKBCA240
Nominal Cylinder Capacity	175 litre	240 litre
Discharge Valve Type	SHT V65 / V65IX*	
Thread Valve	3 1/2" - 12UN - 2A	
Working Pressure	25 bar	
Working Temperature	-20°C to 50°C	
Overall Height	1540 mm	1945 mm
External Diameter	445 mm	445 mm
Finishing	RAL 3000 Flame Red Epoxy Polyester Powder Coating	
Approvals	2010/35/EU TPED, ADR, UL Listed	

* Only available for NAF S 1230®



Seamless Steel Cylinder Valve Assembly 42 Bar Systems

Part No. NAF S 227	SH70027410	SH70027409	SH70027408
Part No. NAF S 1230	SHFKBCA005	SHFKBCA013	SHFKBCA026
Nominal Cylinder Capacity	5 litre	13.4 litre	26.8 litre
Discharge Valve Type	SHT V20 / V20IX*		
Thread Valve	1" - 11.5 NPT		
Working Pressure	42 bar		
Working Temperature	-20°C to 50°C		
Overall Height	615 mm	1250 mm	1000 mm
External Diameter	140 mm	140 mm	229 mm
Finishing	RAL 3000 Flame Red Epoxy Polyester Powder Coating		
Approvals	2010/35/EU TPED, ADR, UL Listed		

* Only available for NAF S 1230*



Seamless Steel Cylinder Valve Assembly 42 Bar Systems

Part No. NAF S 227	SH70027407	SH70027412
Part No. NAF S 1230	SHFKBCA040	SHFKBCA067
Nominal Cylinder Capacity	40.2 litre	67.5 litre
Discharge Valve Type	SHT V25 / V25IX*	
Thread Valve	G.1 1/2"	
Working Pressure	42 bar	
Working Temperature	-20°C to 50°C	
Overall Height	1370 mm	1625 mm
External Diameter	229 mm	267 mm
Finishing	RAL 3000 Flame Red Epoxy Polyester Powder Coating	
Approvals	2010/35/EU TPED, ADR, UL Listed	

* Only available for NAF S 1230*



Seamless Steel Cylinder Valve Assembly 42 Bar Systems

Part No. NAF S 227	SH70027405	SH70027404	SH70027403
Part No. NAF S 1230	SHFKBCA075	SHFKBCA100	SHFKBCA120
Nominal Cylinder Capacity	75 litre	100 litre	120 litre
Discharge Valve Type	SHT V40 / V40IX*		
Thread Valve	2 1/2" - 12UN - 2B		
Working Pressure	42 bar		
Working Temperature	-20°C to 50°C		
Overall Height	1785 mm	1460 mm	1680 mm
External Diameter	267 mm	358 mm	358 mm
Finishing	RAL 3000 Flame Red Epoxy Polyester Powder Coating		
Approvals	2010/35/EU TPED, ADR, UL Listed		

* Only available for NAF S 1230*



Seamless Steel Cylinder Valve Assembly 60 Bar Systems

Part No. NAF S 1230	SHFKBCA140	SHFKBCA160	SHFKBCA180
Nominal Cylinder Capacity	140 litre	160 litre	180 litre
Discharge Valve Type	V40IX		
Thread Valve	2 1/2" - 12UN - 2B		
Working Pressure	60 bar		
Working Temperature	-20°C to 50°C		
Overall Height	1880 mm	1980 mm	2285 mm
External Diameter	360 mm	360 mm	360 mm
Finishing	RAL 3000 Flame Red Epoxy Polyester Powder Coating		
Approvals	2010/35/EU TPED, ADR, UL Listed		



Discharge Valve SHT V20/V20IX*

Part No. NAF S 227	SH20025129
Part No. NAF S 1230	SHFK200V20
Admissible Cylinder Capacities	5 litre, 13.5 litre, 26.8 litre
Valve Thread	1" - 11.5 NPT
Test Pressure	250 bar
Working Pressure	42 bar
Safety Disc Pressure	95 ± 7 bar / 130 ± 10 bar*
Body Material	Brass
Approvals	2014/68/EU PED, UL Listed

* Only available for NAF S 1230*



Discharge Valve SHT V25/B, SHT V25 & SHT V25IX*

Part No. NAF S 227	SH22525146	SH20025146
Part No. NAF S 1230	-	SHFK200V25
Admissible Cylinder Capacities	26.8 litre	40.2 litre, 67.5 litre
Valve Thread	G. 1½"	
Test Pressure	250 bar	
Working Pressure	25 bar	42 bar
Safety Disc Pressure	60 ± 3 bar	95 ± 7 bar / 130 ± 10 bar*
Body Material	Brass	
Approvals	2014/68/EU PED, UL Listed	

* Only available for NAF S 1230*



Discharge Valve SHT V40/B, SHT V40 & V40IX*

Part No. NAF S 227	SH22525191	-	SH20025191
Part No. NAF S 1230	-	SHFK200V40-60	SHFK200V40
Admissible Cylinder Capacities	40.2 litre	140 litre, 160 litre, 180 litre	75 litre, 100 litre, 120 litre
Valve Thread	2 ½" - 12UN		
Test Pressure	250 bar		
Working Pressure	25 bar	60 bar	42 bar
Safety Disc Pressure	60 ± 3 bar	130 ± 10 bar*	95 ± 7 bar / 130 ± 10 bar*
Body Material	Brass		
Approvals	2014/68/EU PED, UL Listed		

* Only available for NAF S 1230*



Discharge Valve SHT V65 & SHT V65IX

Part No. NAF S 227	SH20025027
Part No. NAF S 1230	SHFK200V65*
Admissible Cylinder Capacities	75 litre, 120 litre, 175 litre, 240 litre
Valve Thread	3 ½" - 12UN - 2A
Test Pressure	150 bar
Working Pressure	25 bar
Safety Disc Pressure	60 ± 3 bar
Body Material	Brass
Approvals	2014/68/EU PED, UL Listed

* Only available for NAF S 1230*, 175 litre & 240 litre capacities



Pneumatic Manual Release
SH31009402

Manual Release
SH31009401

Manual Release & Pneumatic Manual Release

Part No.	SH31009401	SH31009402
Connection	M 30 x 1.5	
Pneumatic Connection	-	ISO 228 G 1/8"
Material	Brass	
Approvals	UL Listed	



Pneumatic Solenoid Valve
SH21006404

Solenoid Valve
SHQ90543M

Solenoid Valve & Pneumatic Solenoid Valve

Part No.	SHQ90543M	SH21006404
Tension	24 V DC	
Protection	IP-65	
Current	530 mA	
Temperature Limit	Class 105	
Max. Working Pressure	170 bar	
Valve Body Material	Brass	Stainless Steel AISI-303
Approvals	UL Listed	



Nitrogen Pilot Cylinder Assembly

Part No.	SH70025411
Capacity	3 litre Cylinder Filled with N ₂ at 100 bar
Valve Thread	W 28.8 x 1/4"
Discharge Valve Type	SHT V 20-N ₂
Working Pressure	100 bar
Working Temperature	- 20°C + 50°C
Finishing	RAL 3000 Flame Red Epoxy Polyester Powder Coating
Approvals	MED, CE, TPED, UL Listed



Release Hoses

Part No.	SH30503290	SH30506014	SH30522001
Connection	ISO 228 G. 3/8"(MF) x R. 3/8"(HG)	ISO 228 R. 1/4"(MG) x R. 1/4"(MG)	ISO 228 R. 3/4"(MG) x R. 1/4"(MG)
Size	DN 6	DN 8	DN 8
Length	160 mm	580 mm	700 mm
Material	Teflon PTFE & Stainless Steel Wire Braids		
Working Pressure	132 bar		
Burst Pressure	396 bar		
Approvals	UL Listed		



Discharge Flexible Hoses

Part No.	SH30506070	SH30502140	SH30506001
Connection	ISO 228 G. 3/4"(HG) x G. 3/4"(HF)	ISO 228 G. 1"(HG) x G. 1"(HF)	ISO 228 G. 1"(HG) x G. 1"(HG)
Admissible Valve Type	V20IX	V25IX	
Size	DN 20	DN 25	
Length	400 mm		
Material	Synthetic Rubber & High Tensile Steel Wire Braids		
Working Pressure	240 bar	185 bar	
Burst Pressure	960 bar	740 bar	
Approvals	UL Listed		



Discharge Rigid Hoses

Part No.	SH30508080	SH30508000	SH23070204
Connection	ISO 228 G.½"(FG-M)	ISO 228 G.½"(FG-FG)	ISO 228 2 ½" x 3" Groove
Admissible Valve Type	V40IX		V65IX
Size	DN 40		DN 65
Body Material		Steel	
Working Pressure	132 bar		36 bar
Burst Test Pressure	396 bar		108 bar
Approvals		UL Listed	



1 Way & 2 Ways Pneumatic Cone Release

Part No.	SH30027302	SH30027303
Cone Type	1 Way	2 Ways
Connection		ISO 228 M 30 X 1.5
Triggering Pressure		15 bar -150 bar
Working Pressure		200 bar
Material		Brass
Approvals		UL Listed



Decompression Screw and Relief Valve

Part No.	SH30027300	SH30027301	SH21006304
Type	Decompression Screw Type L	Decompression Screw Type C	Relief Valve
Working Pressure		140 bar	240 bar (Max)
Test Pressure		420 bar	NIL
Activation Pressure		NIL	20 bar (Min)
Material		Brass	
Approvals		UL Listed	



Pneumatic Head for SHT V 65 Valve

Part No.	SH26025001	SH26025002
Head Type	Blind Pneumatic	2-Ways Pneumatic
Pneumatic Connection		G. ¼"
Material		Brass
Approvals		UL Listed



Check Valves

Part No.	SH21006300	SH21006302	SH23070221
Size	1"	2"	3"
Manifold Connection	ISO 228 R1"	ISO 228 R2"	4" Coupling
Hose Connection	ISO 228 R1"	ISO 228 G. ½"	3" Groove
Material	Brass	Galvanized Steel	Brass
Approvals		UL Listed	



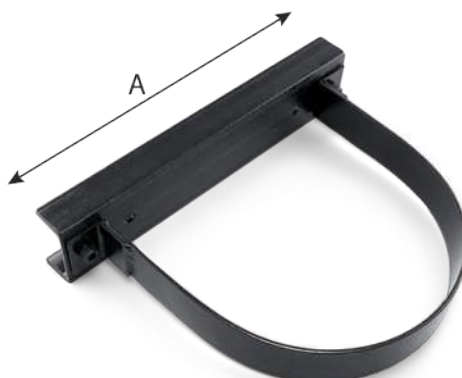
Pressure Switch With Locking Device

Part No.	SH30330010
Connection	G. 1/2"
Min. Actuation Pressure	10 bar
Max. Working Pressure	370 bar
Working Temperature	-25°C to 80°C
Material	Brass
Approvals	Dir. 2006/95/EC ; 2006/42/EC ; 2004/108/EC ; UL Listed

Manifold



Pipe Connection	BSPT Male
Size Ø	3/4" - 4"
Test Pressure	100 bar
Material	Carbon Steel ASTM A-105
Internal Coating	Galvanized
Finishing	RAL 3000 Flame Red Epoxy Polyester Powder Coating
Approvals	UL Listed



25 bar Welded Cylinder Bracket

Part No.	SH30621010*				SH30601175		
Cylinder Capacity	26 litre	40 litre	75 litre	120 litre	175 litre	240 litre	
Size (A)	440 mm				600 mm		
Thickness					5 mm		
Material					Carbon Steel		
Finishing					Black		

Cylinder Bracket not applicable for NAF S 1230

42 bar Welded Cylinder Bracket

Part No.	SH30621310		SH30625010		SH30626710		SH30621010	
Cylinder Capacity	5.0 litre	13.4 litre	26.8 litre	40.2 litre	67.5 litre	75 litre	100 litre	120 litre
Size (A)	215 mm		330 mm		365 mm		440 mm	
Thickness					5 mm			
Material					Carbon Steel			
Finishing					Black			

60 bar Welded Cylinder Bracket

Part No.	SH140180BR	
Cylinder Capacity	140 litre	160 litre
Size (A)	515 mm	
Thickness	5 mm	
Material	Carbon Steel	
Finishing	Black	

FIRE EXTINGUISHING SYSTEMS

WATER MIST SYSTEMS

Introduction

A water mist system uses small water droplets to control, suppress, or extinguish fires. The system works by discharging high-pressure water through specialized nozzles that atomize the water and create a fine mist.

High-Pressure Water Mist Systems

- Operating pressure > 500 psi
- Water droplets size of 50 to 100 microns

creates smaller and lighter water droplets and finer mist that increases the cooling effect on a larger surface area which helps reduce the spread of fire and limits any potential damage caused by it.

How Water Mist Systems Works

- Cooling by heat absorption via large surface
- Inerting by local oxygen displacement

Top Benefits of Water Mist Systems

1. **Lower water usage** – 90% water usage lesser than sprinkler system, minimises consequential damage
2. **Safer for occupants** – no hazardous by-products created and no pre-warning time required
3. **Lower total cost of ownership** – shorter installation time, lower cleanup costs, no refilling cost and less frequent inspection
4. **Greater Versatility** – various applications and settings from small room to large warehouse

Types Of High-Pressure Water Mist Systems

Nozzle activation	
When reaches a specified temperature causing break of glass bulb and nozzle to discharge	The fire alarm panel gives a signal to the directional valve to open and pump to start.
<ul style="list-style-type: none">• Wet pipe systems with water filling the entire pipe network• Dry pipe systems with air inside the pipe network for use in cold spaces• Pre-action systems activated by detection for sensitive areas.	<ul style="list-style-type: none">• Open nozzles with water filling the pipe network up to the directional valve• Open nozzles with entire pipe network dry• Open nozzles for local application

Application

1. Fixed system for prestigious buildings, IT, telecommunication, hospitals, laboratories, food industry, automotive industry etc.
2. Rail system for metro stations, underground facilities
3. Tunnel system for tunnels
4. Marine system for ships
5. Mobile system for fire brigade





Automatic Nozzles

Provided covering room protection being ceiling or sidewall mounted as well as for protection of raised floors and suspended ceilings. Water is atomized at high pressure above 60 bar into a droplet distribution ideally fighting ordinary hazard fire risks utilizing the smallest water amounts. Automatic nozzles use a heat-sensitive glass bulb as built-in detection/activation device. By exposure to heat, the glass bulb bursts and activates the nozzle.



Open Nozzles

Provided covering room protection as well as for protection of raised floors or for local protection. Water is atomized at high pressure above 100 bar into a droplet distribution ideally fighting flammable liquids and cable fire risks utilizing the smallest water amounts. Open nozzles are used for systems where a separate fire detection system triggers the water mist system.



Section Valves

Section valves are used to zone the water mist system for directed water mist discharge and for maintenance purposes. For industrial risks section valves are available as solenoid activated or pneumatically activated valves.



Pipework

The entire pipework is made of stainless steel, being in line with international requirements for water mist systems and avoiding piping corrosion. The pipe cross-sections range between 10 and 50 mm, thus being considerably smaller than conventional deluge system piping.



Pump Units

Work at a pressure between 120 and 140 bar. The pump units are composed of individual pump modules. Since fogtec pump modules are available with flow rates of 25 to 120 l/min, the overall flow and power of a system can be optimally designed to suit the requirements. The pump units are electrically powered or by diesel engines.



Cylinder Units

Similar structure to gas extinguishing systems and are activated in a similar way. Cylinder units comprise separate cylinders for water and nitrogen, which are interconnected via a manifold. When triggered, all water cylinders are pressurized to 200 bar with nitrogen, continuously dropping in pressure

FIRE EXTINGUISHING SYSTEMS

WATER SPRINKLER

Introduction

- A fire sprinkler system is an automatic fire protection system in a domestic or commercial building which discharge water to extinguish a fire when the sprinkler head detects the fire through rising temperature. Though it is a system which is featured with both the fire detection and suppression systems.
- The sprinkler head features different finishes, temperature ratings and 2 types of temperature responses; either a standard response (5mm bulb) or a fast response (3mm bulb).

We have 5 types of **EVERSAFE** UL listed fire sprinkler heads available for different application:

The sprinkler head features different finishes, temperature ratings and 2 types of temperature responses; either a standard response (5mm bulb) or a fast response (3mm bulb).

Conventional	Suitable for most residential fire sprinkler systems, water is discharged onto the ceiling
Upright & Pendent	Aim all the water straight down and are suited to room with high ceiling
Horizontal Sidewall	Attach to a high point on the wall and usually give wider water coverage than conventional sprinkler head
Consealed pendent	Design for installation on conseal pipe system where the appearance of a smooth ceiling is desired



How Sprinkler Discharge Water



1
As the temperature at the sprinkler head rises to its rated temperature



2
The liquid inside the glass bulb expands and breaks the glass



3
Thus activating the sprinkler head to discharge water



Conventional Type Water Sprinkler

Part Number	ET401				
Nominal Temperature Rating	135°F (57°C)	155°F (68°C)	175°F (79°C)	200°F (93°C)	286°F (141°C)
K factor (gpm/psi)	5.6				
Nominal Thread Size	1/2" NPT and 1/2" BSPT				
Min. Working Pressure	7 PSI (0.5 bar)				
Max. Working Pressure	175 PSI (12 bar)				
Testing Pressure	500 PSI (34.5 bar)				
Finishing	Brass or Chrome Plated or White Plated				
Certified to	UL 199				



Upright Type Water Sprinkler

Part Number	ET201/ET202				
Nominal Temperature Rating	135°F (57°C)	155°F (68°C)	175°F (79°C)	200°F (93°C)	286°F (141°C)
K factor (gpm/psi)	5.6				
Nominal Thread Size	1/2" NPT and 1/2" BSPT				
Min. Working Pressure	7 PSI (0.5 bar)				
Max. Working Pressure	175 PSI (12 bar)				
Testing Pressure	500 PSI (34.5 bar)				
Finishing	Brass or Chrome Plated or White Plated				
Certified to	UL 199				



Pendent Type Water Sprinkler

Part Number	ET301/ET302				
Nominal Temperature Rating	135°F (57°C)	155°F (68°C)	175°F (79°C)	200°F (93°C)	286°F (141°C)
K factor (gpm/psi)	5.6				
Nominal Thread Size	1/2" NPT and 1/2" BSPT				
Min. Working Pressure	7 PSI (0.5 bar)				
Max. Working Pressure	175 PSI (12 bar)				
Testing Pressure	500 PSI (34.5 bar)				
Finishing	Brass or Chrome Plated or White Plated				
Certified to	UL 199				



Horizontal Sidewall Type Water Sprinkler

Part Number	ET101/ET102				
Nominal Temperature Rating	135°F (57°C)	155°F (68°C)	175°F (79°C)	200°F (93°C)	286°F (141°C)
K factor (gpm/psi)	5.6				
Nominal Thread Size	1/2" NPT and 1/2" BSPT				
Min. Working Pressure	7 PSI (0.5 bar)				
Max. Working Pressure	175 PSI (12 bar)				
Testing Pressure	500 PSI (34.5 bar)				
Finishing	Brass or Chrome Plated or White Plated				
Certified to	UL 199				

Concealed Pendent Type Water Sprinkler



Part Number	ET501		ET502	
Responses	Standard		Quick	
Cover Plate Temperature Rating	135°F (57°C)		165°F (74°C)	
Nominal Temperature Rating (Sprinkler)	135°F (57°C)	155°F (68°C)	175°F (79°C)	200°F (93°C)
K factor (gpm/psi)	5.6			
Nominal Thread Size	7 PSI (0.5 BAR)			
Min. Working Pressure	175 PSI (12BAR)			
Max. Working Pressure	500 PSI (34.5BAR)			
Cover Plate Finishes	White Coating, Chrome, Bright Brass, Brass & Custom			
Sprinkler Finishes	Brass			
Certified to	UL 199			



Sprinkler Rosette

Product Name	Sprinkler Rosette
Material	Mild Steel
Finishing	Chrome
Inner Diameter	21.8 mm
Outer Diameter	68 mm
Thickness	0.9 mm



Alarm Check Valve

Size (inch)	4" DN100	6" DN150
Inlet connection	Flange Class 150 ANSI B16.1	
Max. Working Pressure	12 bar (175psig)	
Test Pressure	24 bar (350psig)	
Approval	FM	

FIRE SUPPRESSION SYSTEMS

AMEREX® KITCHEN PROTECTION

Approval & Advantages

- UL 300 Listed and NFPA compliant
- Approved by Bomba Malaysia
- Agent discharge cover wide area using fewer nozzles
- Able to be used in all commercial kitchen

Appliance Specific

- The KP Appliance Specific System is the ideal choice in commercial kitchens where appliance location is fixed, such as in fast food chains, casual dining, cruise ships, and school cafeterias.

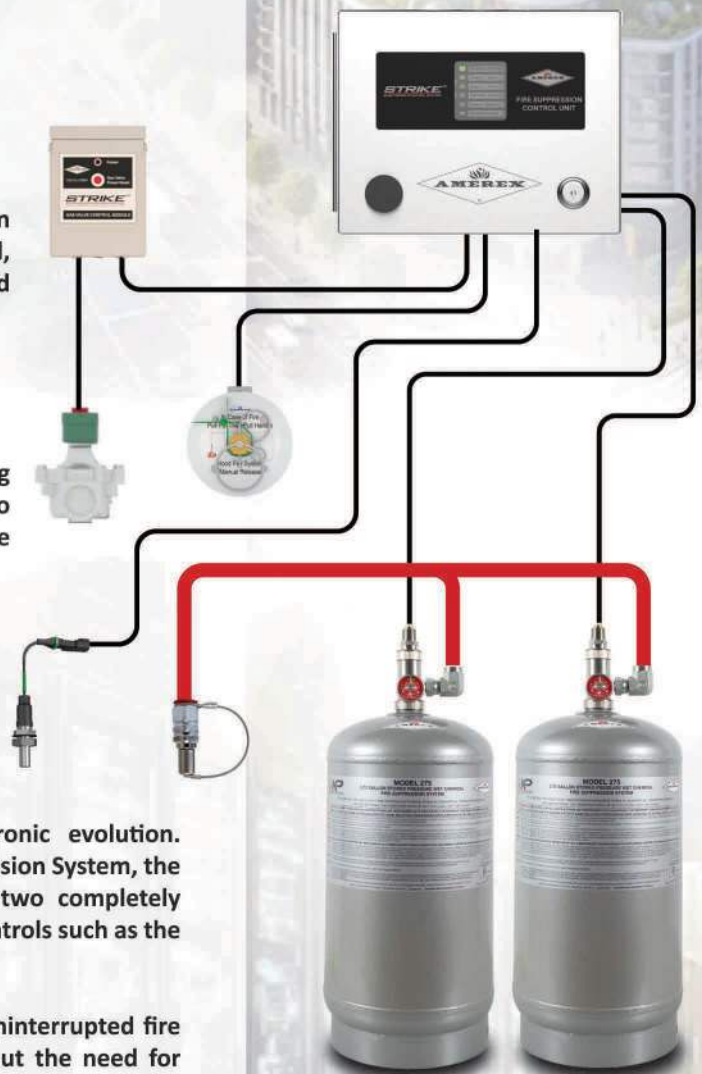
Zone Defense

- The KP Zone Defense adds greater flexibility by allowing kitchen appliances to be reconfigured without having to move system discharge nozzles as it covers the whole kitchen area.

Strike Dual Release Control Unit Installation

The Amerex® STRIKE Control Unit is the result of years of rugged mining, transit and military electronic evolution. Specifically designed to work with the Amerex KP Suppression System, the STRIKE Control Unit is able to monitor and release two completely separate hood systems, and it can be tied to auxiliary controls such as the building's alarm system.

Primary and secondary batteries provide continuous, uninterrupted fire detection and fire suppression system actuation without the need for an external power supply. Unlike traditional control mechanism, the STRIKE Control Unit utilizes Linear Heat Detectors and Spot Head Detectors that have no moving parts are fully supervised, minimizing the negative effects of grease build-up.





KP250

KP275

KP375

KP475

KP600

Cylinder Assembly

Model	KP250	KP275	KP375	KP475	KP600
Volume	2.61 gallons	2.75 gallons	3.75 gallons	4.75 gallons	6.00 gallons
Working Temperature, °C	0°C - 49°C				
Working Pressure, psi	240 psi at 20°C				
Test Pressure, psi	480 psi				
Cylinder Material	Steel				
Valve Material	Stainless Steel			Brass	
Test Standard	DOT 4BW240				
Approval	UL				



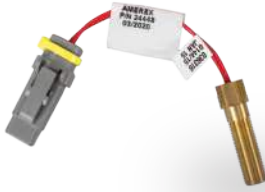
Cylinder Bracket c/w Belly Strap

Part Number	16920	23184
Bracket Material	Steel	
Strap Material	Stainless Steel	
Finishing	Painted Black	
Approval	UL	



Adaptor for Discharge Pipe

Part Number	16901	10199
Pipe Connection	1/2" NPT	3/4" NPT
Application	KP275, KP375, KP475	KP600
Material	Steel Chromed	Brass
Approval	UL	



Linear Actuator

Part Number	24448
Working Temperature, °C	-40°C to 70°C
Recommended Single Firing Current	1A
Actuator Body Material	Brass
Piston Material	Stainless Steel
Approval	UL



Strike™ Electric Control Panel

Part Number	23826
Alarm Zone	2 Zones
Power Input	2 x Internal Lithium Batteries
Cabinet Material	Stainless Steel
Dimension (L x W x H)	246mm x 68mm x 191mm
Finishing	Bare Stainless Steel
Approval	UL



Battery

Part Number	24903
Operating Duration	6 months
Operating Temperature	86°F (30°C)
Battery shelf-life	10 Years
Approval	UN/DOT



Linear Heat Detector

Part No	24744
Length Available	8ft - 50ft
Temperature Set Point	356 °F
Approval	UL



LHD Support Clip

Part Number	23524
Installation Distance Interval	24"
Material	Stainless Steel



Spot Heat Detector

Part Number	24944	24514
Temperature Set Point	350 °F	485 °F
Approval	UL	



Actuation Lead Cable

Part Number	24411			
Length Available	10 ft (3m)	25 ft (7.6m)	50 ft (15.2m)	99 ft (30.2m)
Color Coding	Yellow			



Detector Lead Cable

Part Number	24409			
Length Available	10 ft (3m)	25 ft (7.6m)	50 ft (15.2m)	99 ft (30.2m)
Color Coding	Green			



Detection Extension Cable

Part Number	24410			
Length Available	3 ft (0.9m)	5 ft (1.5m)	10 ft (3m)	25 ft (7.6m)
Color Coding	Green			



LHD Bulkhead Penetration Quick Seal

Part Number	24737
Hole Size	Ø 3/4"



Mechanical Release Module

Part Number	18001
Dimension	10" x 11 3/4" x 4 63/64" (25.4cm x 28.7cm x 12.6cm)
Cabinet Finishing	Stainless Steel



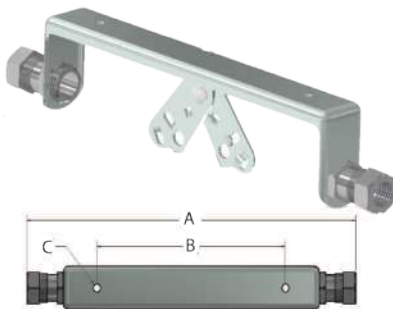
Job Quick Response Links

Part Number	16225	16226	16227	16445	16446
Link Rating	200°F (93°C)	286°F (141°C)	360°F (182°C)	450°F (232°C)	500°F (260°C)
Max. Ambient	150°F (66°C)	225°F (107°C)	300°F (149°C)	375°F (191°C)	425°F (218°C)
Response	Quick				



Type "K" Fusible Links

Part Number	12326	12327	12328	12329
Link Rating	212°F (100°C)	280°F (138°C)	360°F (182°C)	450°F (232°C)
Max. Ambient	150°F (66°C)	225°F (107°C)	300°F (149°C)	375°F (191°C)



Detector Bracket Assembly

Part Number	12508
Length, A	12 27/32"
Length, B	7 11/32"
Hole Size, C	Ø 17/64"



Nozzle c/w Nozzle Cap

Part Number	16416	11982	14178
Application	Duct	Plenum/Appliances	Zone Defense
Pipe Connection	3/8" NPT		
Nozzle Material	Nickle Chromed Plated Brass		
Nozzle Cap Material	Stainless Steel		
Approval	UL		



Swivel Adaptor for Nozzle

Part Number	16440
Material	Nickel Chromed Plated Brass
Approval	UL



Manual Pull Station

Part Number	24290
Material Mounting	Red Cover Steel Plate
Mounting	Surface Mount



Manual Pull Lead Cable

Part Number	24412			
Length Available	5 ft (1.5m)	25 ft (7.6m)	50 ft (15.24m)	99 ft (30.2m)
Color Coding	Green			



Manual Reset Relay

Part Number	12526
Material	Steel
Approval	UL



Gas Valve Electrical

Part Number	12870
Operating voltage	110 VAC
Size	3/4"
Approval	UL

FIRE EXTINGUISHING SYSTEMS

AUTOMATIC DRY POWDER (AUTO P)

Introduction

- Automatic Fire Extinguishers are for fixed installation adjacent a fire risk and discharge automatically if a fire occurs.
- Each unit is fitted with a heat activated glass bulb sprinkler head. Automatic Dry Powder fire extinguishers are commonly used in engine /plant rooms, switchrooms, boats and vehicles.

Features

- ✓ Effective on all type of fires - Class A, B, C & Electrical
- ✓ Non-electricity conductive
- ✓ Ideal for unmaned area
- ✓ Wide effective coverage and rechargeable



Model	AUTO P 4.5	AUTO P 6	AUTO P 9
Type		Stored Pressure Type	
Extinguishant		ABC Dry Powder	
Capacity	4.5 kg	6 kg	9 kg
Propellant		Dry Nitrogen (N ₂)	
Activation Temperature		+ 68°C	
Body Diameter		249 mm	
Overall Height		415 mm	
Approx Full Weight	8.1 kg	9.6 kg	12.6 kg
Working Temperature Range		- 20°C to + 60°C	
Working Pressure		12 bar	
Test Pressure		25 bar	
Burst Pressure		Exceeds 69 bar	
Maximum Coverage Volume	9 m ³	12 m ³	19 m ³
Approx Discharge Time	6 sec	8 sec	10 sec
Internal Coating		Stoving Epoxy Primer	
Paint Finishing		RAL 3000 Flame Red Epoxy Polyester Powder Coating	
Mounting		Metal Ceiling Bracket	
Designed & Manufactured to		Factory Manufacturing Standard	

FIRE ALARM & DETECTION SYSTEM

Fire Alarm System

- Consist of devices working together to detect any identified fire outbreak in a building, warn occupants through visual and audio appliances.

Control Unit

- The hub of fire alarm system, receives information from devices designed to detect and report fires, monitors system operational integrity and controls outputs, and relays information necessary to prepare the facility for fire based on a predetermined sequence.

Initiating Devices

- Act as inputs to the fire alarm control unit and are either automatically activated from smoke and heat detectors or manually activated via devices such as manual call points or pull stations.

Fire Alarm & Detection System Installation Diagram





Indoor/Outdoor



Indoor



Outdoor

Extinguishant Control Panel

Type	Indoor/Outdoor	Indoor		Outdoor		Indoor/Outdoor
Model	1810-13	PE-GRP 200i	PE-GRP 400i	PE-GRP 200i	PE-GRP 400i	EP203
No. Of Zones	3	2	4	2	4	3
Dimension (mm)	368 x 310 x 90	430 x 370 x 195	550 x 390 x 195	435 x 410 x 195	550 x 430 x 195	439 x 276 x 70
Power Supply Input	230V AC	240V AC				230V AC
Finishing		Signal Red Painted				
Standard	UL864	MS1745:Part 2				EN
Approval	UL Listed	Bomba Malaysia				LPCB



D-213-2



SOC-E3N

Smoke Detector

Model	D-213-2	SOC-E3N
Operating Voltage	10.8V - 33V DC	12V - 30V DC
Features	Equipped with Flashing LED	
Finishing	White	
Approvals	EN 54-5 , UL Listed	LPCB



KP-303



D-103



DCD-AE3

Heat Detector

Model	KP-303	D-103	DCD-AE3
Type	ROR & Fixed Temperature Conventional		Fixed Temperature Conventional
Operating Voltage	6 - 28V DC	12 - 28V DC	9.5 - 30V DC
Rated Temperature		57°C (135°F)	60°C (140°F)
Finishing	White		
Approvals	UL 521 / EN 54-5, CE	UL 521	LPCB & VdS



Spot Heat Detector

Part Number	12-G27121-000-07-OT
Type	ROR & Fixed Temperature
Size	125mm x 16mm
Temperature Set Point	232°C (450 °F)
Operating Voltage	125V AC
Finishing	Bare Stainless Steel
Approval	UL/FM



Fire Alarm Bell

Model	EE-301
Size (Ø x H)	150 mm x 62 mm
Operating Voltage	24V DC
IP Rating	IP33C
Operating Temperature	-20°C to 70°C
Finishing	Red Painted
Approvals	EN 54-3 / MS 1745-3 BOMBA Approved



Manual Pull Kit

Type	Break Glass Pull to Discharge
Size (W x L x H)	90 mm x 180 mm x 100 mm
Material	Mild Steel
Finishing	Red Painted
Approvals	Factory Manufacturing Standard



Key Switch

Model	KP-307
Size (W x L x H)	90 mm x 110 mm x 110 mm
Contact	0.5A (Max)
Material	Mild Steel
Finishing	Red Painted
Approvals	Factory Manufacturing Standard



Manual Pull Station



Manual Call Point

Manual Pull Station & Manual Call Point

Type	Manual Pull Station	Manual Call Point
Model	HPS-DAK-SR	EE-302M
Material	Metal Construction	
Current Rating	10A @ 120VAC	3A @ 250VAC
Operating Temperature	-35°C to 66°C	-20°C to 70°C
Finishing	Red Painted	
Approval	UL/CSFM Listed	EN 54-11 / MS 1745-11 BOMBA Approved



Abort Switch

Model	HA1823-10 / HCVR-AS-R
Switch Rating	1A @ 30VDC
Size (Width x Height x Depth)	97mm x 97mm x 59mm
Finishing	Red Painted
Material	Steel
IP Rating	IP30
Approval	UL/FM



NP7-1.2



MSL 12-7.2



GPP-1272 / GPP-12120 / GPP-12170

Battery

Model	NP7-1.2	MSL 12 - 7.2	GPP-1272	GPP-12120	GPP-12170
Size (W x H x L) (mm)	65 x 98 x 151	63 x 94 x 150	151 x 65 x 94	151 x 98 x 95	181 x 77 x 167
Voltage	12V	12V	12V	12V	12V
Capacity	7 Ah	7.2 Ah	7.2 Ah	12 Ah	17 Ah
Operating Temperature	-20°C to 60°C	-20°C to 60°C	Max. 70°C	Max. 70°C	Max. 70°C
Approval/Standard	UL Listed	IEC 896-2		UL Listed	



SP1-24PKT-DC



FRD-24

Surge Arrester (Signal Line)

Model	SP1-24PKT-DC	FRD-24
Connection Type	Series	
Nominal Voltage	24Vdc	
Nominal Discharge Current	5kA - 10kA	10kA
Working Temperature	-20°C to 80°C	-40°C to 80°C
Dimension (HxWxD) (mm)	90 x 65 x 13	60.5 x 90 x 17.5
IP rating	IP20	
Approvals	IEC 61643-21, ITU-K.20, K.21 & K.45	UL Listed



240PKT40



V20

Surge Arrester (Power Line)

Model	240PKT40	V20
Connection Type	Parallel	
Nominal Voltage	230Vac	
Nominal Discharge Current	20kA - 40kA	
Working Temperature	-40°C to 80°C	
Dimension (HxWxD) (mm)	90 x 36 x 66	73 x 90 x 35.6
IP rating	IP20	
Approvals	SIRIM tested to MS IEC 61643-1	VDE DIN EN61643-11



LED Evacuate Sign

Model	KP-309
Size (W x H x L)	89 mm x 102 mm x 254 mm
Operating Voltage	20-28V DC
Current Consumption	15mA@24V DC
Finishing	Black
Approvals	Factory Manufacturing Standard



Twin Flashing Light

Model	KP-305
Size (W x H x L)	74 mm x 90 mm x 179 mm
Operating Voltage	24V DC
Material	Mild Steel
Finishing	Black
Approvals	Factory Manufacturing Standard



Emergency Keluar Sign

Model	LE-908SL
Material	ABS Polyester Casting
Lamp Used	10 x SMD LED
Battery Used	Hi-Temp, Nickel Cadmium Battery
Input Voltage	240V
Operating Temperature	0°C to 60°C
Backup Time	3 Hours
IP Rating	IP 20
Approvals	MS 983



Surface Mount Emergency Light

Model	PEL-18LED
Material	Steel
Size (L x W x H)	360 mm x 110 mm x 70 mm
Battery Used	3.6V 1.0AH Ni-cad
Operating Temperature	0°C to 65°C
Backup Time	3 Hours
IP Rating	IP 20
Approvals	MS 619-2-22:2005 / MS 60598-1:2012 & BOMBA Approved



Tripping Device

Model	TDS-24
Voltage	24V DC
Amp	300mA
Trip Load	10Kgs
Finishing	Red Painted
Approvals	Factory Manufacturing Standard



Fire Curtain

Material	High Strength Non Combustible Fibre Glass Fabric
Size	Custom Size Available Upon Request



Pyrocharge with Fitting

Model	45KG-PC
Voltage	24V
Material	Steel
Finishing	Galvanized
Approvals	Factory Manufacturing Standard



Smoke Detector Tester

Model	Smoke Detector Tester
Net Weight	45g


GLOBAL NETWORK

EVERSAFE® products are available in more than 45 countries worldwide



EVERSAFE EXTINGUISHER SDN. BHD. (53162-V)

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