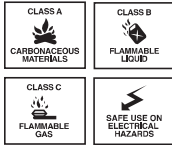


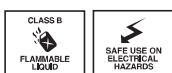
## DRY POWDER FIRE EXTINGUISHER MS1539



TECHNICAL SPECIFICATION						
Code No.	FEX132-MS-010-RD	FEX132-MS-020-RD	FEX132-MS-040-RD	FEX132-MS-050-RD*	FEX132-MS-060-RD	FEX132-MS-090-RD
Propellant	Stored Pressured Type ( Nitrogen )					
Capacity	1 kg	2 kg	4 kg	5 kg	6 kg	9 kg
Operating Pressure	12 bar (174 psi)	14 bar (203 psi)				
Test Pressure	25 bar (362.5 psi)					
Discharge Time (Min)	6 secs	6 secs	9 secs	9 secs	9 secs	12 secs
Overall Height	340 mm	400 mm	475 mm		560 mm	
Cylinder Diameter	84.5 mm	109.5 mm	157 mm		176mm	
Overall Weight	1.8 kg	3.3 kg	7.8 kg	9.3 kg	9.3 kg	12.7 kg
Body Material	Cold Roll Steel					
Standard	Manufactured and approved to MS 1539 Part 1					
Fire Rating	5A 21B	13A 55B	13A 70B	13A 70B	27A 144B	27A 144B
Paint Finish	Red					
Carton Box Size	110 x 125 x 345 mm	130 x 165 x 415 mm	185 x 205 x 490 mm		205 x 205 x 570 mm	

\* Without approvals

## CO<sub>2</sub> FIRE EXTINGUISHER MS1539

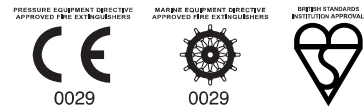


TECHNICAL SPECIFICATION		
Code No.	FEX139-CS-020-RD	FEX139-CS-050-RD
Material	Carbon Steel	
Capacity	2 kg	5 kg
Operating Pressure	70 bar at 27°C	
Overall Height	530 mm	770 mm
Overall Diameter	113 mm	140 mm
Cylinder Test Pressure	250 bar	
Discharge Time (Min)	6 secs	9 secs
Standard	Manufactured & approved to MS1539 Part 1	
Full Weight	7.7 kg	17.5 kg
Paint Finish	Red	
Fire Rating	21B	55B
Operating Temperature	-20°C to 60°C	
Discharge Range (approx)	3 m	
Carton Size	180 x 195 x 665 mm	230 x 230 x 715 mm

# EN3 WATER & FOAM TYPE FIRE EXTINGUISHER



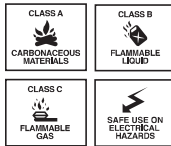
- ◆ EN3 approved.
- ◆ Protective plastic lining.
- ◆ Colour coded for instant recognition.



TECHNICAL SPECIFICATION						
Code No.	FEX116	FEX102	FEX103	FEX101	FEX112	FEX111
Propellant	Store Pressure Type (Nitrogen Propellant)			CO <sub>2</sub> Cartridge		
Extinguisher Type	2L FOAM *	6L FOAM	9L FOAM	9L WATER	9L FOAM	9L WATER
Fire Rating	5A 34B	13A 144B	21A 183B	13A	13A 183B	13A
Operating Temperature	5°C to 60°C					
Operating Pressure	12 bar					
Test Pressure	25 bar					
Overall Height	400 mm	555 mm	625 mm	625 mm	630 mm	630 mm
Full Weight	4 kg	9.2 kg	13.5 kg	13.5 kg	14.2 kg	14.2 kg
Discharge Time (Min)	10 secs	15 secs	15 secs	9 secs	15 secs	9 secs
Discharge Range (approx)	2 m	4-5 m	4-5 m	6 m	4-5 m	6 m
Carton Size	125 x 160 x 430 mm	190 x 210 x 565 mm	200 x 200 x 646 mm	200 x 200 x 645 mm	200 x 200 x 645 mm	200 x 200 x 645 mm

\* Without approvals

## EN3 POWDER TYPE FIRE EXTINGUISHER



- ◆ EN3 approved
- ◆ Ideal for industrial, commercial and domestic environment
- ◆ Colour coded for instant recognition
- ◆ All units tested by electronic leak detection



TECHNICAL SPECIFICATION								
Code No.	*FEX108	*FEX104	*FEX105	*FEX106	*FEX107	FEX109	FEX110	FEX115
Propellant	Store Pressure Type (Nitrogen Propellant)					CO <sub>2</sub> Cartridge		
Extinguisher Type	1 kg	2 kg	4 kg	6 kg	9 kg	6 kg	9 kg	12 kg
Fire Rating	8A 34B	13A 89B	21A 113B	34A 233B	34A 233B	34A 233B	43A 233B	55A 233B
Operating Temperature	-20°C to 60°C							
Operating Pressure	12 bar	14 bar						
Overall Height	335 mm	400 mm	490 mm	490 mm	555 mm	490 mm	570 mm	605 mm
Full Weight	2 kg	3.3 kg	7.1 kg	9.1 kg	12.8 kg	10.5 kg	14.2 kg	19 kg
Test Pressure	25 bar							
Discharge Time (Min)	6 secs	9 secs	12 secs	15 secs	15 secs	15 secs	15 secs	15 secs
Discharge Range (approx)	4-5 m	4-5 m	5-6 m	5-6 m	5-6 m	5-6 m	5-6 m	5-6 m
Carton Size	105 x 120 x 345 mm	125 x 160 x 430 mm	180 x 200 x 495 mm	180 x 200 x 495 mm	200 x 200 x 565 mm	180 x 210 x 495 mm	200 x 200 x 565 mm	200 x 200 x 645 mm

# EN3 CO<sub>2</sub> TYPE FIRE EXTINGUISHER

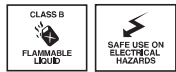


FEX 180

FEX 182

FEX 181

FEX 183



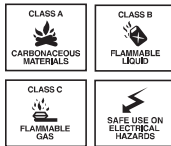
- ◆ EN3 approved
- ◆ Colour coded for instant recognition
- ◆ Available in aluminium and light weight steel
- ◆ Easy to use and leave no messy residue



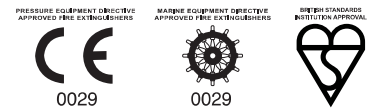
## TECHNICAL SPECIFICATION

Code No.	*FEX182	*FEX183	FEX180	FEX181	FEX177
Material	Steel	Steel	Aluminium	Aluminium	Chromium Molybdenum Steel
Extinguisher Type	2 kg	5 kg	2 kg	5 kg	5 kg
Fire Rating	34B	55B	34B	55B	89B
Operating Temperature	-20°C to 60°C				
Operating Pressure	70 bar at 20°C	70 bar at 20°C	70 bar at 20°C	70 bar at 20°C	70 bar at 20°C
Cylinder Specification	97/23/EC	97/23/EC	97/23/EC	97/23/EC	97/23/EC
Overall Height	625 mm	770 mm	575 mm	695 mm	740 mm
Full Weight	8.4 kg	15.8 kg	6.1 kg	12 kg	14.5 kg
Empty Weight	6.4 kg	10.8 kg	4.1 kg	7 kg	9.5 kg
Discharge Time (Min)	6 secs	9 secs	6 secs	9 secs	9 secs
Discharge Range (approx)	4-5 m	4-5 m	4-5 m	4-5 m	4-5 m
Carton Size	220 x 180 x 650 mm	230 x 245 x 780 mm	180 x 200 x 530 mm	230 x 240 x 720 mm	230 x 245 x 780 mm
Cylinder Test Pressure	250 bar				

## POWDER FIRE EXTINGUISHER ON TROLLEY EN 1866



- ◆ Trolley unit can be operated by one person and suitable for areas with high risk fire such as industrial facilities.



TECHNICAL SPECIFICATION				
Code No.	FEX220-MS-250-EN	FEX221-MS-500-EN	FEX225-MS-250-EN	FEX222-MS-500-EN
Capacity	25 kg	50 kg	25 kg	50 kg
Propellant	Nitrogen	Nitrogen	0.28kg Nitrogen Cartridge	0.86kg Nitrogen Cartridge
Fire Rating	A IIB C	A IIB C	A IIB C	A IIB C
Operating Temperature	-30°C to 60°C	-30°C to 60°C	-30°C to 60°C	-30°C to 60°C
Operating Pressure	14 bar	14 bar	14 bar	14 bar
Test Pressure	25 bar	25 bar	25 bar	25 bar
Full Weight (approx)	55 kg	95 kg	60 kg	106 kg
Size (approx)	450 x 480 x 790 mm	560 x 700 x 1020 mm	450 x 480 x 790 mm	560 x 700 x 1020 mm
Discharge Time (Min)	15 secs	30 secs	15 secs	30 secs
Discharge Range (approx)	10 m	10 m	10 m	10 m

Optional: Other capacities are available upon request.

# FOAM FIRE EXTINGUISHER ON TROLLEY EN 1866

- ◆ Trolley unit can be operated by one person and suitable for areas with high risk fire such as industrial facilities
- ◆ Material of cylinder stainless steel



FEX303-SS-450-EN



FEX304-SS-135-EN

TECHNICAL SPECIFICATION		
Code No.	FEX303-SS-450-EN	FEX304-SS-135-EN
Capacity	45 l	135 l
Propellant	Nitrogen	Nitrogen
Fire Rating	A IVB C	A IVB C
Operating Temperature	+5°C to 60°C	+5°C to 60°C
Operating Pressure	14 bar	14 bar
Test Pressure	25 bar	25 bar
Full Weight (approx)	90 kg	205 kg
Size (approx)	560 x 700 x 1020 mm	650 x 700 x 1570 mm
Discharge Time (Min)	40 secs	120 secs
Discharge Range (approx)	12 m	12 m

Optional: Other capacities are available upon request.



FEX305-SS-450-EN



FEX306-SS-135-EN

TECHNICAL SPECIFICATION		
Code No.	FEX305-SS-450-EN	FEX306-SS-135-EN
Capacity	45 l	135 l
Propellant	0.6 kg CO <sub>2</sub> Cartridge	0.6 kg CO <sub>2</sub> Cartridge
Fire Rating	A IVB C	A IVB C
Operating Temperature	+5°C to 60°C	+5°C to 60°C
Operating Pressure	12 bar	12 bar
Test Pressure	25 bar	25 bar
Full Weight (approx)	90 kg	210 kg
Size (approx)	560 x 700 x 1020 mm	650 x 750 x 1570 mm
Discharge Time (Min)	40 secs	120 secs
Discharge Range (approx)	12 m	12 m

Optional: Other capacities are available upon request.

## CO<sub>2</sub> FIRE EXTINGUISHER ON TROLLEY

- ◆ CO<sub>2</sub> fire extinguisher on trolley is made of seamless Manganese steel to withstand high storage pressure.
- ◆ CO<sub>2</sub> fire extinguisher is used throughout the industry as protection against industrial fires involving dangerous chemical and gas. CO<sub>2</sub> does not deteriorate with storage or freeze in the container. CO<sub>2</sub> disperses without leaving any contamination or corrosive residue and will not damage valuable equipment and material.



TECHNICAL SPECIFICATION		
Code No.	FEX079-CS-450-RD	FEX079-CS-320-RD
Capacity	45 kg	32 kg
Operating Pressure	70 bar	70 bar
Cylinder Test Pressure	250 bar	250 bar
Discharge Time (Min)	75 secs	60 secs
Discharge Hose (diameter/length)	½" Ø x 6 m	½" Ø x 6 m
Overall Height	1600 mm	1420 mm
Overall Width	2000 mm	2000 mm
Overall Depth	1170 mm	1170 mm
Full Weight	150 kg (330 lbs)	112 kg (246 lbs)
Material of Cylinder	Manganese Steel BS 5045 Part 1	
Paint Finish	Grey or Red	

Optional: Other sizes of CO<sub>2</sub> cylinder available upon request.



TECHNICAL SPECIFICATION			
Code No.	FEX079-CS-010-RD	FEX079-CS-250-RD	FEX163-CS-150-DD
Capacity	10 kg	25 kg	15 kg x 2 pcs
Operating Pressure	70 bar	70 bar	70 bar
Cylinder Test Pressure	250 bar	250 bar	250 bar
Discharge Hose (diameter/length)	½" Ø x 6 m	½" Ø x 6 m	½" Ø x 6 m
Overall Height (approx.)	1092 mm	1420 mm	± 1050 mm
Overall Width (approx.)	406 mm	2000 mm	± 490 mm
Overall Depth (approx.)	457 mm	1170 mm	± 360 mm
Material of Cylinder	Manganese Steel BS 5045 Part 1		
Paint Finish	Grey or Red		

Optional: Other sizes of CO<sub>2</sub> cylinder available upon request.

## D FIRE EXTINGUISHER



Magnesium, potassium, sodium titanium, alkylolithiums, Grignards, and diethylzinc are extremely combustible and must be used with caution and appropriate safety measures. These chemicals react violently with water, air and other chemicals and cause class D fires which burn at high temperatures. At such, typical fire extinguishers is not sufficient for this type of fire.

D fire Extinguisher contains sodium chloride or graphite metal-based powder. When discharged on a fire, the heat causes the powder to cake and form a crust which excludes air and dissipates the heat.

TECHNICAL SPECIFICATION	
Code No.	FEX115-MS-120-DF
Capacity	12 kg
Operating Temperature	-20°C to 60°C
Operating Pressure	14 bar
Height	605 mm
Full Weight	19 kg
Test Pressure	25 bar

## POWDER TYPE FIRE EXTINGUISHER WITH EXTERNAL GAS CARTRIDGE



TECHNICAL SPECIFICATION	
Code No.	FEX120-MS-120-ET
Capacity	12 kg
Operating Temperature	-30°C to 60°C
Operating Pressure	14 bar
Height	635 mm
Full Weight	21 kg
Test Pressure	25 bar
Discharge Time (Min)	15 secs
Discharge Range (approx)	6-7 m
Cartridge Capacity	CO <sub>2</sub> 350 g

## CLAMPING UNIT



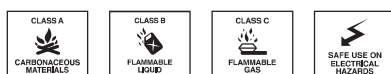
Code No.	FEX190-MS-SV
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This manual clamping machine is adjustable for all sizes of fire extinguisher. Fire extinguisher can be secured firmly when opening or tightening valve on the cylinder.

## AUTOMATIC POWDER FIRE EXTINGUISHER



- ◆ Application area : Storage of flammable liquid
- ◆ Actuation temperature : 68°C
- ◆ Working pressure : 14 bar
- ◆ Installation : Mounting at ceiling height
- ◆ Test pressure : 25 bar
- ◆ Material : Cold Roll Steel
- ◆ Type of agent : Ammonium Phosphate ABC



Code No.	Size	Diameter	Height
FEX215-MS-060-RD	6 kg	300 mm	300 mm
FEX215-MS-120-RD	12 kg	340 mm	360 mm



## HOME GUARD AND CAR GUARD



Code No.  
  
MIS-MODEL-994

Type  
  
HOME GUARD 1 PACKAGE  
consists of:  
• 1 kg Dry Powder Fire Extinguisher  
• 4'x 4' Fire Blanket  
• Smoke Alarm (Battery Operated)

Fire Rating  
  
8A 34B



Code No.  
  
MIS-MODEL-995

Type  
  
HOME GUARD 2 PACKAGE  
consists of:  
• 2 kg Dry Powder Fire Extinguisher  
• 4'x 4' Fire Blanket  
• Smoke Alarm (Battery Operated)

Fire Rating  
  
13A 89B



Code No.  
  
MIS-MODEL-CG1

Type  
  
CAR GUARD 1 PACKAGE  
consists of:  
• 600 g Dry Powder Fire Extinguisher  
• 4'x 4' Fire Blanket

Fire Rating  
  
5A 21B



Code No.  
  
MIS-MODEL-CG2

Type  
  
CAR GUARD 2 PACKAGE  
consists of:  
• 1 kg Dry Powder Fire Extinguisher  
• 4'x 4' Fire Blanket

Fire Rating  
  
8A 34B