



شركة المصنع السعودي لأجهزة الإطفاء
SAUDI FACTORY FOR FIRE EQUIPMENT Co.



- PORTABLE
- TROLLEY / MOBILE
- MODULAR / AUTOMATIC

FIRE EXTINGUISHERS

SASO APPROVED
STANDARD MODELS



We are very proud to be a vital part of the development of Saudi Arabia and Middle East since **1983** in fire protection industry.

Rev:11/08-2023

SFFECO a one-stop-shop for customers, fulfilling their end-to-end needs in products, solutions and services for the Fire Fighting Industry.



About us

SFFECO is an ISO9001 certified manufacturing company, a market leader and specialize in manufacturing of fire-fighting equipment in the world. SFFECO has a long standing established reputation for pioneering innovation ever since its foundation in 1983.

SFFECO has its own state-of-the-art manufacturing plants in Riyadh and Dubai producing end-to-end range of products for the fire fighting industry matching international standards in quality. .

SFFECO continually expands upon its knowledge and services to keep its clients updated with the latest Fire Fighting Technology in the world. The product range manufactured by SFFECO confirms and holds approval to international standards.

With a large number of highly qualified staff, SFFECO is certified and licensed to supply equipment with its own comprehensive designs, installations, commissioning and maintenance services throughout the GCC, Asian, African and European countries. SFFECO provides excellent after sales service and earns utmost customer satisfaction by providing functional and technical training and support, and by resolving and troubleshooting issues arising at the client site.

SFFECO

The first firefighting equipment manufacturing company in the Middle East Gained ISO9001 certification from LPCB



Fire Extinguishers

شركة المصنع السعودي لأجهزة الإطفاء
SAUDI FACTORY FOR FIRE EQUIPMENT Co.



Ready for use and easy to handle

User friendly operation and
controllable discharge

High quality electrostatic powder
coating

High degree of safety

Refillable and easy to service

Conforming to national standards
and SASO Approved Extinguishers
are Available



CLASS Of FIRE						
		CLASS A	CLASS B	CLASS C	ELECTRICAL	CLASS F
		Fires involving freely burning materials. For Example: wood, paper, textiles and other carbonaceous materials.	Fires involving flammable liquids. For example: petrols and spirits. NOT ALCOHOL OR COOKING OIL.	Fires involving flammable gasses. For example propane and butane.	Fires caused by electrical equipment where electric current may be present.	Fires involving cooking oil and fat. For example: olive oil, maize oil, lard and butter.
POWDER		✓	✓	✓	✓	✗
CO ₂		✗	✓	✗	✓	✗
WET CHEMICAL		✓	✗	✗	✗	✓
WATER		✓	✗	✗	✗	✗
FOAM		✓	✓	✗	✗	✗

In line with our policy of continuous product improvement, SFFECO reserves the right to modify specifications without prior notice.

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Portable Dry Powder

Stored Pressure Type

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SFFECO Dry Powder extinguishers are characterized by their high performance, simple method of operation and rapid fire knock down capability. They are ideal for vehicle and marine risks. SFFECO powder extinguishers contain high performance powder and these are one of the most powerful powder extinguishers in the world.



Note:

Model PD1, PD2, PDB10, PD6, PD10 and PD12 are SASO Approved

Class of Fire



A Solid matters forming glowing residues. e.g. wood, rubber (car tires), paper, textiles.



B Liquid combustible matter e.g. petrol, oils, grease, ether, alcohol.



C Burning gases emerging under pressure. e.g. propane, butane, methane, acetylene, town gas.



Fires on electrical plants.

Model	PD1	PD2	PD6	PD10	PD12	PDB5	PDB10
Capacity	1 Kg	2 Kg	6 Kg	10 Kg	12 Kg	5 LBS	10 LBS
Total Weight	1.98 Kg	3.6 Kg	9.58 Kg	14.8 Kg	17.8 Kg	5.6 Kg	7.5 Kg
Total Height with Base (mm)	350	400	530	630	630	455*	500
Total Width with Valve (mm)	120	150	200	205	205	135	185
Cylinder Height w/o Base (mm)	335	390	505	615	615	455*	490
Cylinder Diameter (mm)	78	110	150	185	185	110	132
Hose Length (mm)	Only Nozzle	Only Nozzle	480	520	580	Only Nozzle	500
Maximum Effective Range (m)	4	4	6.5	8.5	8.5	4	5.5
Duration of Discharge (Sec)	6-10	6-10	10-14	14-22	14-22	6-10	8-11
Extinguishing Agent	Dry Chemical						
Propelling Agent	N ₂ /Dry Air						
Working Pressure	12-15 Bar						
Testing Pressure	30 Bar						
Coating	Electrostatic Polyester Powder						
Storage Temperature	-20°C to +60°C						

NOTE: *Without Base Dimensions

Portable Dry Powder

Cartridge Type

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SFFECO portable dry chemical powder extinguishers are available as inside or outside cartridge types. A strike at the knob releases the CO₂ gas into the surrounding powder area thus aerating and pressurising the cylinder for use.

Class of Fire



A Solid matters forming glowing residues. e.g. wood, rubber (car tires), paper, textiles.



B Liquid combustible matter e.g. petrol, oils, grease, ether, alcohol.



C Burning gases emerging under pressure. e.g. propane, butane, methane, acetylene, town gas.



Fires on electrical plants.

	Outside Cartridge Type		Inside Cartridge Type		
Model	PC6	PC12	PDC6	PDC10	PDC12
Capacity	6 Kg	12 Kg	6 Kg	10 Kg	12 Kg
Total Weight	13 Kg	20 Kg	12 Kg	16.9 Kg	20 Kg
Total Height (mm)	510	620	520	535	605
Total Width (mm)	230	280	205	240	240
Cylinder Height (mm)	420	540	420	475	540
Cylinder Diameter (mm)	150	185	150	185	185
Hose Length (mm)	480	580	480	520	580
Maximum Effective Range (m)	6.5	7.5	6.5	8.5	8.5
Duration of Discharge (Sec)	10-20	12-30	9-12	12-15	15-18
Propelling Agent	CO ₂				
Working Pressure	12-15 Bar				
Testing Pressure	30 Bar				
Coating	Electrostatic Polyester Powder				
Cartridge Testing Pressure	250 Bar				
Cartridge Safety Valve B/P	190 Bar				
Storage Temperature	-20 °C to +60 °C				

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Mobile Dry Powder

Stored Pressure Type

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SFFECO Mobile Dry Powder Fire Extinguisher TDP and TDPS Models represent newly developed designs of pressurized fire extinguishers and are characterized by their high performance and rapid fire knock down capabilities.

Class of Fire



A Solid matters forming glowing residues. e.g. wood, rubber (car tires), paper, textiles.



B Liquid combustible matter e.g. petrol, oils, grease, ether, alcohol.



C Burning gases emerging under pressure. e.g. propane, butane, methane, acetylene, town gas.



Fires on electrical plants.



Note:

Model TDP25, TDP30, TDP50, TDPS100 and TDPS150 are SASO Approved

Model	TDP25	TDP30	TDP50	TDPS75	TDPS100	TDPS150
Capacity	25 Kg	30 Kg	50 Kg	75 Kg	100 Kg	150 Kg
Total Weight	49 Kg	58.5 Kg	83.5 Kg	118 Kg	171 Kg	239 Kg
Total Height (mm)	855	990	1000	1120	1100	1100
Total Width (mm)	450	455	555	555	700	650
Total Depth (mm)	565	665	695	950	900	1050
Hose Length (mm)	3000	3000	5000	5000	5000	6500
Maximum Effective Range (m)	9	9	9	9	9	9
Duration of Discharge (Sec)	25-30	25-30	40-45	63-70	80-88	125-130
Extinguishing Agent	Dry Chemical					
Propelling Agent	N ₂					
Working Pressure	12-15 Bar					
Testing Pressure	30 Bar					
Coating	Electrostatic Polyester Powder					
Storage Temperature	-20°C to +60°C					

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Mobile Dry Powder

Cartridge Type

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SFFECO Mobile Dry Powder Fire Extinguishers with External CO2 Cartridge are fired in two stages. Turning the rotary valve on CO2 cartridge releases the CO2 into the cylinder filled with powder and the cylinder is filled with compressed aerated powder. This compressed aerated powder is released by pressing the control lever at the nozzle and directing at the fire.

Class of Fire



A Solid matters forming glowing residues. e.g. wood, rubber (car tires), paper, textiles.



B Liquid combustible matter e.g. petrol, oils, grease, ether, alcohol.



C Burning gases emerging under pressure. e.g. propane, butane, methane, acetylene, town gas.



Fires on electrical plants.

Model	TPC25	TPC30	TPC50	TPCS75	TPCS100	TPCS150
Capacity	25 Kg	30 Kg	50 Kg	75 Kg	100 Kg	150 Kg
Total Weight	53 Kg	60 Kg	93 Kg	130 Kg	175 Kg	225 Kg
Total Height (mm)	855	990	1000	1120	1100	1100
Total Width (mm)	450	455	555	555	700	650
Total Depth (mm)	565	665	695	950	900	1050
Hose Length (mm)	3000	3000	5000	6500	6500	6500
Maximum Effective Range (m)	9	9	9	9	9	9
Duration of Discharge (Sec)	29-34	29-39	49-54	69-74	102-107	152-157
Extinguishing Agent	Dry Chemical					
Propelling Agent	CO ₂					
Working Pressure	12-15 Bar					
Testing Pressure	30 Bar					
Coating	Electrostatic Polyester Powder					
Storage Temperature	-20°C to +60°C					

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Automatic Dry Powder

PD Matic Models

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SFFECO Automatic Dry Powder Extinguishing Installation Type PD-Matic is a newly developed design, where in the Dry Powder is automatically ejected through the sprinkler head, after release of the thermo safety device on reaching a temperature of 68°C.

Class of Fire



A Solid matters forming glowing residues. e.g. wood, rubber (car tires), paper, textiles.



B Liquid combustible matter e.g. petrol, oils, grease, ether, alcohol.



C Burning gases emerging under pressure. e.g. propane, butane, methane, acetylene, town gas.



Fires on electrical plants.

For total flooding volume application, use .0385 lbs./cu. ft. (0.616kg/cu. m.) to determine dry chemical required and .00125 lbs./sec./cu.ft. (0.0205 kg/sec./cu. m.) to determine minimum flow rate.

Model	PD4.5 MATIC	PD6 MATIC	PD10 MATIC	PD12 MATIC	PD15 MATIC	PD20 MATIC	PD25 MATIC	PD30 MATIC
Capacity	4.5 Kg	6 Kg	10 Kg	12 Kg	15 Kg	20 Kg	25 Kg	30 Kg
Total Weight	10.56 Kg	12.06 Kg	19 Kg	22.92 Kg	26 Kg	34 Kg	41 Kg	47 Kg
Total Height (mm)	400	400	460	485	525	470	470	595
Cylinder Height (mm)	162	162	280	305	325	320	320	410
Cylinder Diameter (mm)	280	280	280	280	280	280	360	360
Duration of Discharge (Sec)	10-12	14-16	16-18	18-22	22-26	26-31	30-35	35-40
Extinguishing Agent	Dry Chemical							
Propelling Agent	N ₂ /Dry Air							
Working Pressure	12-15 Bar							
Testing Pressure	30 Bar							
Coating	Electrostatic Polyester Powder							
Storage Temperature	-20°C to +60°C							

Portable Foam

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Note:

Model FX6, FX9 and FX100 are SASO Approved

SFFECO Portable Foam Fire Extinguishers are characterized for their quick fire suppression and extinguishing capabilities, especially oil, petrol and other liquid fire.

It works by covering a burning flammable liquid with a blanket of foam, cutting off the fire's air supply and preventing the release of flammable vapours.

Portable foam extinguishers are generally used as first attack fire fighting units which are suitable for class A and B fires.

Class of Fire



A Solid matters forming glowing residues. e.g. wood, rubber (car tires), paper, textiles.



B Liquid combustible matter e.g. petrol, oils, grease, ether, alcohol.

Special Internal Coating



The Internal part of the extinguisher has been coated with special plastic coat, integrated by Whirl Sintering process.



CAUTION:

NOT FOR USE ON LIVE ELECTRICAL EQUIPMENT

Model	FX6	FX9	FX100	FXC100
Capacity	6 Ltr	9 Ltr	10 Ltr	10 Ltr
Total Weight (Kg)	9.58	14.4	16	14.8
Total Height with Base (mm)	605	645	630	630
Total Width (mm)	210	210	210	240
Cylinder Height (mm)	510	540	540	615
Cylinder Diameter (mm)	150	185	185	185
Hose Length (mm)	480	625	625	650
Maximum Effective Range (m)	5-6	5-6	5-6	5-6
Duration of Discharge (Sec)	25-30	30-40	35-45	50-60
Extinguishing Agent	AFFF	AFFF	AFFF	AFFF
Propelling Agent	N ₂ /Air	N ₂ /Air	N ₂ /Air	CO ₂
Working Pressure	12-15 Bar			
Testing Pressure	30 Bar			
Coating	Electrostatic Polyester Powder			
Storage Temperature	5°C to 60°C			

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SFFECO Mobile Foam Fire Extinguisher, available in stored pressure model (TF) and external high pressure CO₂ cartridge model (TFC). Manufactured using special cold rolled steel and the cylinder is painted with electrostatic polyester powder.

This unit is easy to use and can be used by one person, suitable to keep in factories and warehouses, as well as petrol stations. The AFFF will quickly seal the surface of a liquid fire to prevent re-ignition.

Class of Fire



A Solid matters forming glowing residues. e.g. wood, rubber (car tires), paper, textiles.



B Liquid combustible matter e.g. petrol, oils, grease, ether, alcohol.



Note:

Model TF25, TF50, TF100 and TFC35G are SASO Approved

CAUTION:

NOT FOR USE ON LIVE ELECTRICAL EQUIPMENT



Model	TF25	TF10G	TF50	TF100	TF35G	TFC50	TFC100	TFC35G
Capacity	25 Ltr	37.8 Ltr	50 Ltr	100 Ltr	132 Ltr	50 Ltr	100 Ltr	135 Ltr
Total Weight	51.5 Kg	63 Kg	82 Kg	151 Kg	202 Kg	93 Kg	175 Kg	219 Kg
Total Height (mm)	990	1120	1010	1100	1341	1010	1100	1341
Total Width (mm)	455	450	555	700	555	555	700	700
Total Depth (mm)	665	400	695	900	1078	695	900	1078
Hose Length (mm)	3000	3000	5000	5000	5000	5000	6500	6500
Maximum Effective Range (m)	8	8	8	8	8	8	8	8
Duration of Discharge (Sec)	19-23	29-33	38-42	77-82	100-105	42-45	82-85	110-120
Extinguishing Agent	AFFF	AFFF	AFFF	AFFF	AFFF	AFFF	AFFF	AFFF
Propelling Agent	N ₂					CO ₂		
Working Pressure	12-15 Bar							
Testing Pressure	30 Bar							
Coating	Electrostatic Polyester Powder							
Storage Temperature	5°C to 60°C							

Automatic Foam

FX Matic Model

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SFFECO Automatic Foam Extinguishing Installation Type model FX-Matic is the latest developed design where in the AFFF foam is automatically ejected through the sprinkler head after release of the thermo safety device on reaching a temperature of 68°C. (Alternative 79°C or 93°C).

The modular type of extinguishers are based on sprinkler technology. It does not require any external source of power to operate.

Class of Fire



A Solid matters forming glowing residues. e.g. wood, rubber (car tires), paper, textiles.



B Liquid combustible matter e.g. petrol, oils, grease, ether, alcohol.

CAUTION:

NOT FOR USE ON LIVE ELECTRICAL EQUIPMENT



Model	FX4.5 MATIC	FX6 MATIC	FX10 MATIC	FX12 MATIC	FX15 MATIC	FX20 MATIC	FX25 MATIC	FX30 MATIC
Capacity	4.5 Ltr	6 Ltr	10 Ltr	12 Ltr	15 Ltr	20 Ltr	25 Ltr	30 L
Total Weight	10.56 Kg	12.06 Kg	19 Kg	22.92 Kg	26 Kg	34 Kg	41 Kg	47 Kg
Total Height (mm)	400	400	460	485	555	525	470	575
Cylinder Height (mm)	162	162	280	305	370	340	320	390
Cylinder Diameter (mm)	280	280	280	280	280	360	360	360
Duration of Discharge (Sec)	20-28	25-30	50-60	60-90	90-120	120-150	150-180	180-210
Extinguishing Agent	AFFF							
Propelling Agent	N ₂							
Working Pressure (Bar)	12-15							
Testing Pressure (Bar)	30							
Coating	Electrostatic Polyester Powder							
Storage Temperature (°C)	5°C to 60°C							

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Note:

Model WH600, WH900 and WH1000 are SASO Approved

SFFECO Water Extinguishers are characterized by their high performance, simple method of operation ideal for tackling freely burning materials such as paper, cloth, wood and furniture.

These are good general purpose fire extinguishers and widely used and are very useful, cost-effective and relatively easy to clean up. It cools burning materials by absorbing heat. Effective on class A fires.

Class of Fire



Solid matters forming glowing residues. for example: wood, rubber (car tires), paper, textiles.

Model	WH600	WH900	WH1000	WHC1010
Capacity	6 Ltr	9 Ltr	10 Ltr	10 Ltr
Total Weight (Kg)	9.58	14.4	16.8	17
Total Height with Base (mm)	605	645	630	630
Total Width (mm)	210	210	240	255
Cylinder Height (mm)	510	540	540	615
Cylinder Diameter (mm)	150	185	185	185
Hose Length (mm)	480	625	625	580
Maximum Effective Range (m)	5-6	5-6	5-6	5-6
Duration of Discharge (Sec)	25-30	30-40	35-45	50-60
Propelling Agent	N ₂ /Air	N ₂ /Air	N ₂ /Air	CO ₂
Extinguishing Agent	Water			
Working Pressure	12-15 Bar			
Testing Pressure	30 Bar			
Coating	Electrostatic Polyester Powder			
Storage Temperature	5°C to 60°C			

Special Internal Coating



The Internal part of the extinguisher has been coated with special plastic coat, integrated by Whirl Sintering process.



CAUTION:

NOT FOR USE ON LIVE ELECTRICAL EQUIPMENT



Note:

Model CD5G and CD6G are SASO Approved

SFFECO Portable Carbon Dioxide Fire Extinguishers are known for its high reliable performance and ease of handling. The cylinder for CO₂ Fire Extinguishers are seamless and extruded from high grade Chrome Molybdenum Steel or Manganese Steel or Carbon Steel.

Carbon Dioxide is discharged as a white cloud of snow which throttles a fire by eliminating the oxygen. Designed to protect areas where class B (flammable liquids and gases) or Electrical class of fires could occur.

Class of Fire



Liquid combustible matter e.g. petrol, oils, grease, ether, alcohol.



Fires on electrical plants.

Model	CD 3-G	CD 5-G	CD 6-G	CD 5-L	CD 10-L
Capacity	3 Kg	5 Kg	6 Kg	2.27 Kg	4.54 Kg
Total Weight	10.5 Kg	16.3 Kg	18.7 Kg	8.45 Kg	15.35 Kg
Total Height (mm)	675	755	790	640	705
Total Width (mm)	175	190	190	170	190
Cylinder Height (mm)	580	600	675	540	600
Cylinder Diameter (mm)	115	145	145	100	145
Hose Length (mm)	Only horn	1220	1220	Only horn	1220
Maximum Effective Range (m)	5	5	5	5	5
Duration of Discharge (Sec)	9-11	9-11	9-11	7-9	9-11
Extinguishing Agent	CO ₂				
Testing Pressure (Bar)	250				
Coating	Electrostatic Polyester Powder				
Storage Temperature	-20°C to +60°C				

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Note:

Model TC10, TC25 and TC30 are SASO Approved

SFFECO Mobile carbon dioxide fire extinguishers are known for its high reliable performance. The cylinders of CO₂ fire extinguishers are seamless and are extruded from high grade Chrome Molybdenum Steel or Manganese or Carbon Steel.

Suitable to use on Class B and Electrical fires.

The CO₂ extinguisher is especially effective on electrical fires because, being a gas; it does not leave any residues which might further harm the damaged equipment.

Class of Fire



Liquid combustible matter e.g. petrol, oils, grease, ether, alcohol.



Fires on electrical plants.

Model	TC10	TC25	TC30	TCB100
Capacity	10 Kg	25 Kg	30 Kg	45.5 Kg
Total Weight	38 Kg	96 Kg	102 Kg	124.6 Kg
Total Height (mm)	1025	1420	1420	1650
Total Width (mm)	440	590	590	590
Total Depth (mm)	940	1310	1310	1500
Hose Length (mm)	3500	3500	3500	6000
Maximum Effective Range (m)	4	6	6	6
Duration of Discharge (Sec)	40-50	75-80	90-94	110-120
Extinguishing Agent	CO ₂			
Testing Pressure (Bar)	250			
Coating	Electrostatic Polyester Powder			
Storage Temperature	-20°C to +60°C			



SFFECO Portable Wet Chemical extinguishers are used for cooking oil / fat fires. The fine spray gives almost immediate flame extinguishment while the wet chemical agent reacts with oil to form a soap-like film to seal the surface of the oil and cool it down to prevent re-ignition.

Thermoplastic internal coating is available to prevent corrosion.

Fine mist spray to prevent grease splashing.

Class of Fire



A Solid matters forming glowing residues.
e.g. wood, rubber (car tyres), paper, textiles.



F Fires involving cooking oil and fat.
e.g. olive oil, maize oil, lard and butter.

Model	SKF 6	SKF 10
Capacity	6 L	10 L
Total Weight	11.1 Kg	17 Kg
Total Height (mm)	605	630
Total Width (mm)	210	210
Cylinder Height (mm)	510	615
Cylinder Diameter (mm)	150	185
Duration of Discharge (Sec)	65	65 - 70
Extinguishing Agent	Wet Chemical	
Testing Pressure (Bar)	30	
Operating Temperature	0°C to +60°C	
Working Pressure at 20°C	10 Bar	
Coating	Electrostatic Polyester Powder	

SFFECO HAS A LONG STANDING ESTABLISHED REPUTATION FOR PIONEERING INNOVATION EVER SINCE ITS FOUNDATION IN 1983.

SFFECO HAS ITS STATE-OF-THE-ART MANUFACTURING PLANTS IN RIYADH AND DUBAI PRODUCING END-TO-END RANGE OF PRODUCTS FOR THE FIRE FIGHTING INDUSTRY MATCHING INTERNATIONAL STANDARDS IN QUALITY.



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