



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



SFFECO
CO2

**Fire
Extinguishing
System**



CYLINDER CAPACITY

68 L / 100 LBS / 45 KG

FILLING DENSITY

0.667 KG / Liter

TEST PRESSURE

250 Bar



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

General Description

CO₂ is a colorless, odorless, electrically nonconductive gas that is a suitable medium for extinguishing fires. When a fire is detected, the CO₂ suppression system will activate and discharge CO₂ into the area where the fire is present. The CO₂ displaces the oxygen in the environment which will cause the fire to be extinguished.

On large hazards where several cylinders are required, a manifold is used to connect each cylinder by means of flexible hoses and check valves. Cylinder valves control the CO₂ flow to the hazard through properly sized pipe, terminating in nozzles that apply the CO₂. Flow rate is controlled by nozzle orifices as well as pipe sizes. The master cylinder valves can be automatically and/or manually operated.



Directional Valve



Inline Check Valve



CO₂ Discharge Nozzle (Dome Type)



CO₂ Discharge Nozzle (Reset Type)



CO₂ Discharge Nozzle (Open Type)



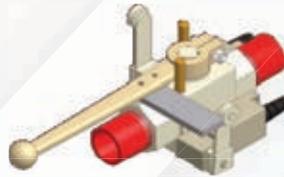
Pressure Operated Siren



Bleeder Valve



Safety Release Valve



Lock Out Valve



Pressure Switch



High Pressure Flexible Hose with Swivel Nut



Non Return Valve



SFFECO HIGH PRESSURE CARBON DIOXIDE FIRE EXTINGUISHING SYSTEM

Parts List



General Features

- ▶ Suppress fire quickly
- ▶ Non - conductivity helps to use on live electrical equipment
- ▶ Leaves no residue and is not as damaging to electrical equipment as powder
- ▶ Suitable for class B and Electrical fires
- ▶ Can be used at IT server room, art galleries, museums, laboratories, document storage, etc.

1	CO ₂ Cylinder
2	Master Valve
3	Slave Valve
4	Flexible Discharge Hose
5	Flexible Inter Connecting Hose
6	Non Return Valve
7	Inline Check Valve
8	Lock Out Valve
9	Directional Valve
10	Bleeder Valve
11	Safety Release Valve
12	Pressure Switch
13	Solenoid Valve
14	Cylinder Mounting Frame
15	Manifold
16	Pressure Operated Siren
17	CO ₂ Discharge Nozzle



12mm-Valve for
Fire Suppression
Systems



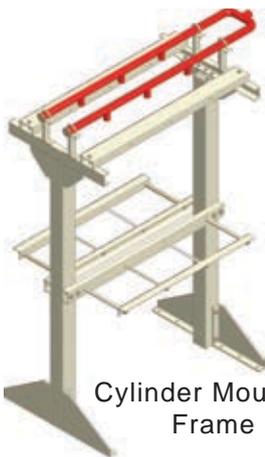
12mm-Solenoid Valve
for Fire Suppression
Systems



Pneumatic Valve



Pneumatic / Manual
Actuator for Valves



Cylinder Mounting
Frame



Pneumatic
Time Delay Unit



Mechanical Weight Loss
Indicator

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

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