



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

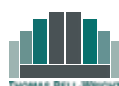
Empowering
a **Safer Future** for
the Kingdom



SFFECO
CO2

Carbondioxide
Fire Suppression
System

Quality Approvals for Various Products and Services



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



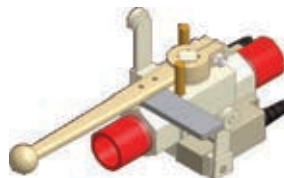
Bleeder Valve



Non Return Valve



Safety Release
Valve



Lock Out Valve



Pressure Switch



High Pressure
Flexible Hose
with Swivel Nut



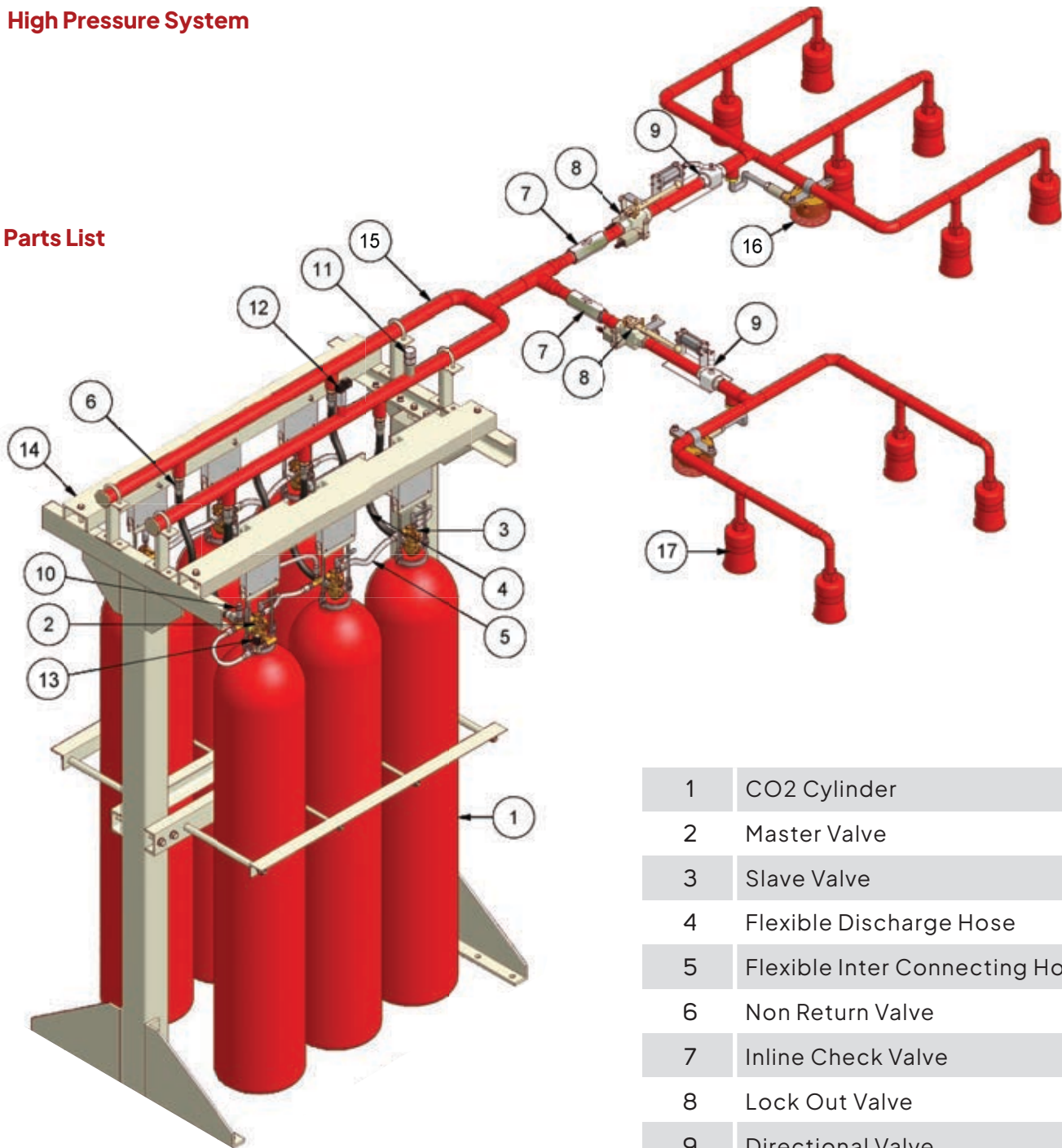
Carbondioxide

Fire Extinguishing System



High Pressure 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	CO2 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	CO2 Discharge Nozzle

Carbondioxide Fire Extinguishing System



System Components



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

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