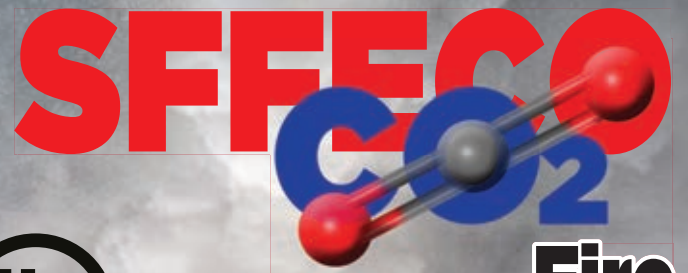




شركة المصنع السعودي لأجهزة الإطفاء  
SAUDI FACTORY FOR FIRE EQUIPMENT Co.



**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.

Rev:00/06-2022

## General Description

CO<sub>2</sub> is a colorless, odorless, electrically nonconductive gas that is a suitable medium for extinguishing fires. When a fire is detected, the CO<sub>2</sub> suppression system will activate and discharge CO<sub>2</sub> into the area where the fire is present. The CO<sub>2</sub> 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 CO<sub>2</sub> flow to the hazard through properly sized pipe, terminating in nozzles that apply the CO<sub>2</sub>. 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



CO<sub>2</sub> Discharge Nozzle  
(Dome Type)



CO<sub>2</sub> Discharge Nozzle  
(Reset Type)



CO<sub>2</sub> Discharge Nozzle  
(Open Type)



Pressure  
Operated Siren



Bleeder Valve



Non Return Valve



Safety Release  
Valve



Lock Out Valve



Pressure Switch



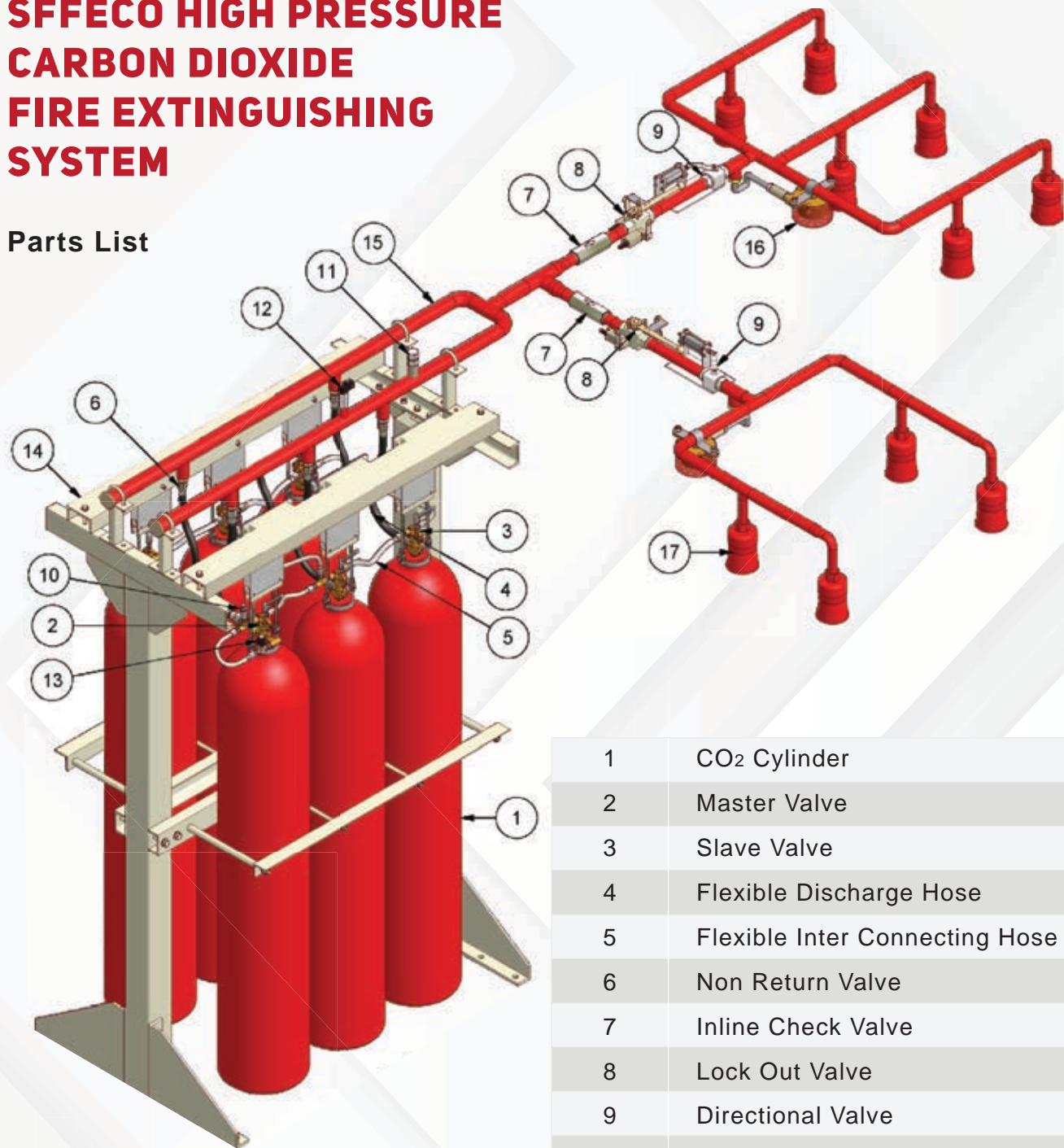
High Pressure  
Flexible Hose  
with Swivel Nut





# 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 <sub>2</sub> 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 <sub>2</sub> 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.

**Factory & Head Office - Riyadh**

2nd Industrial Area, Al-Kharj Road, Riyadh, KSA  
P.O. Box: 4441, Riyadh 14334  
Tel : +966 11 2650070, Fax: +966 11 2652190  
E-mail: [riyadh@sffeco.com.sa](mailto:riyadh@sffeco.com.sa)

**SFFECO Global - Dubai**

P.O. Box: 261318, JAFZA South, Dubai U.A.E.  
Tel: +971 4 880 9890, Fax: +971 4 880 9822  
E-mail: [sales@sffecoglobal.com](mailto:sales@sffecoglobal.com)

**Jeddah Branch**

P.O. Box: 16769, Jeddah – 21474, KSA  
Tel : +966 12 670 6009, Fax: +966 12 676 0307  
E-mail: [jeddah@sffeco.com.sa](mailto:jeddah@sffeco.com.sa)

**Dammam Branch**

P.O. Box: 7162, Dammam – 31462, KSA  
Tel : +966 13 8351961, Fax: +966 13 8351968  
E-mail: [dammam@sffeco.com.sa](mailto:dammam@sffeco.com.sa)

**Madinah Branch**

Tel : 0148660959, 0148283256, Fax: 0148660969  
E-mail: [madinah@sffeco.com.sa](mailto:madinah@sffeco.com.sa)



WWW.  
**SFFECO**.com