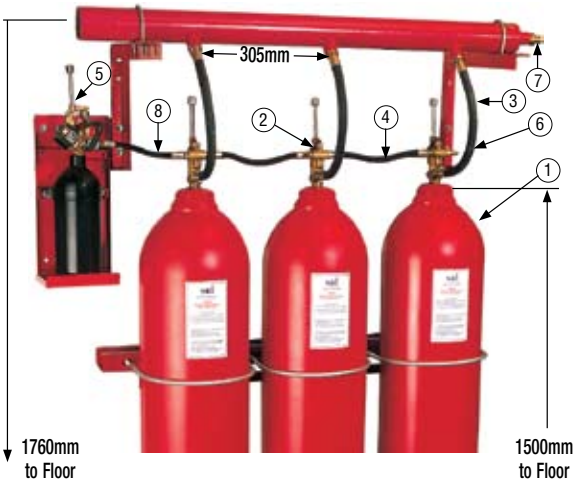
CO2 EXTINGUISHING SYSTEM

CO2 SYSTEM SETUP TYPE A, WITH SOLENOID ACTUATED PILOT CYLINDER



Item	Part No.	Description
1	**CO2001-CS-450-KV**	45Kg CO2 cylinder
2	**CO2023-BR-XXX-XX**	CO2 K Valve
3	**CO2005-RB-015-BK**	1/2" x 18" Discharge hose with Check valve
4	**CO2058-RB-300-BK**	Pilot loop 1/4 " x 300mm
5	**CO2054-CS-022-SP**	Pilot cylinder with Solenoid valve 2.2kg
6	**CO2014-BR-003-NA**	Vent bleed valve 1/8" BSP
7	**CO2069-BR-020-NA**	Safety valve 3/4" BSP
8	**CO2058-RB-457-BK**	Pilot loop 1/4" x 457mm

CO2 SYSTEM SETUP TYPE B, WITH PYROCHARGE ACTUATION

Item	Part No.	Description
1	**CO2001-CS-450-KV**	45Kg CO2 cylinder
2	**CO2023-BR-XXX-XX**	CO2 K Valve
3	**CO2005-RB-015-BK**	1/2" x 18" Discharge hose with Check valve
4	**CO2058-RB-300-BK**	Pilot loop 1/4 " x 300mm
5	**CO2058-RB-360-BK**	Pilot loop 1/4" x 360mm
6	**CO2002-SF-1**	Pyrocharge 24VDC
7	**CO2019-SH-015-ZP**	Tee Connector
8	**CO2024-CS-003-NA**	1/8" Plug
9	**CO2014-BR-003-NA**	Vent bleed valve 1/8" BSP
10	**CO2069-BR-020-NA**	Safety valve 3/4" BSP

WEIGHT MONITORING SYSTEMS

This device is used to automatically monitor the contents of the CO2 cylinder. When the CO2 gas falls the indicator on the device will show that it is empty and an optional Micro-switch can be installed to send a signal to the control panel. This is the most effective method of monitoring the CO2 gas in the cylinders.

Item	Part No.	Description
1	**CO2015-MS-XXX-NA**	Weight Check Device
2	**CO2013-MS-SWI-NA**	Monitor Switch
3	**CO2016-MS-XXX-NA**	Hanging Switch

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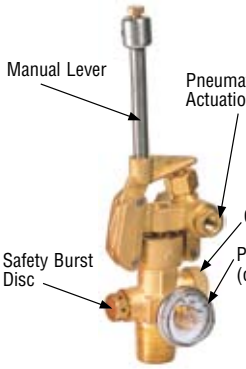
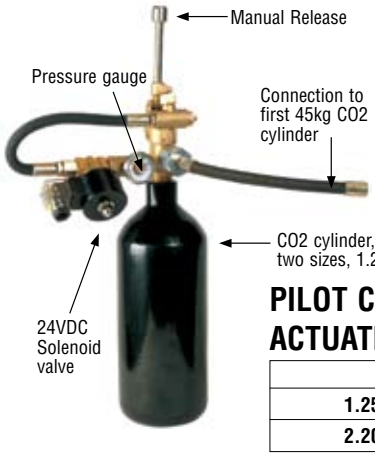
CO2 EXTINGUISHING SYSTEM COMPONENTS



CO2 K VALVE

- Material: Brass CZ122
- Test Pressure: 250Bar
- Burst Disc pressure: 200-250Bar
- Pneumatic actuation pressure: 1.5 Bar

Code No	Description
CO2023-BR-XXX-XX	CO2 K-Valve
CO2022-MS-005-2P	Manual Lever



PILOT CYLINDER SOLENOID ACTUATED

Size	Code No
1.25kg CO2	CO2054-CS-001-SP
2.20kg CO2	CO2054-CS-022-SP

Standard Nozzle

Discharge Nozzle With Horn

CO2 MULTIJET DISCHARGE NOZZLES

Discharge nozzle with horn type is used for diffusing CO2 gas to prevent scattering of burning material.
Nozzle material: Brass CZ 121
Horn material: Aluminium alloy

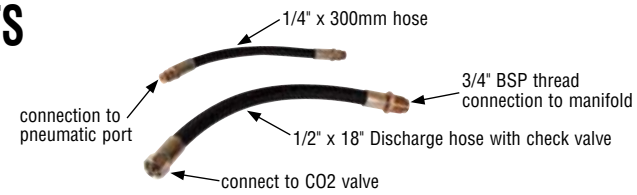
CO2 nozzles in total flooding system should be arrange in the protected space in a manner to ensure equal distribution of CO2 gas during a discharge.

Size	Code No. Type Standard	Code No. With Horn
1/2" (15)	CO2011-BR-015-RH	CO2007-LA-015-MS
3/4" (19)	CO2011-BR-020-RH	CO2007-LA-020-MS
1" (25)	CO2011-BR-025-RH	CO2007-LA-025-MS

PRESSURE OPERATED DIRECTIONAL VALVES

When Two or more areas are to be protected using a same bank of CO2 cylinders, a Pressure Operated Directional (POD) valves is installed in each of the CO2 main feed pipe leading to the designated areas. CO2 gas from pilot cylinders connected to the inlet port will open valve.

Size (mm)	Code No.
1/4" (32)	CO2010-CS-032-NA
1-1/2" (38)	CO2010-CS-040-NA
2" (50)	CO2010-CS-050-NA
2-1/2" (65)	CO2010-CS-065-NA
3" (80)	CO2010-CS-080-NA
4" (100)	CO2010-CS-100-NA
6" (150)	CO2010-CS-150-NA



DISCHARGE HOSE AND PILOT LOOP HOSE

- Specification: SAE 100R1AT
- Min. Burst Pressure 8000Psi (1/2"), 11000Psi (1/4")
- Test Pressure: 3000Psi
- Min. Bend Radius: 100mm

Code No	Description
CO2005-RB-015-BK	Discharge Hose c/w check valve
CO2058-RB-300-BK	Pilot Loop Hose

FIRE CURTAINS

Actuated by 24VDC tripping device. Install on top of louvers or opening.

Code No	Description
FAS253-FG-XXX-WH	Fire curtain c/w steel cable
FAS254-NO-24V-RD	Box c/w solenoid tripping device

MANIFOLD PRESSURE SWITCH

Code No	CO2012-XX-XXX-XX

CO2 CYLINDER 68L

- Test Pressure: 250Bar
- Empty Weight: 75Kg
- Finishing: Red
- CO2 Capacity: 45Kg
- Manufacture to: BS5045 Part 1
- Material: Mn Steel Thread 28.8 x 14" TPI
- Filling Ratio: 0.667
- Develop Pressure:
  50Bar (725Psi) @ 15c
  60Bar (870Psi) @ 30c
  170Bar (2465Psi) @ 60c

Code No	CO2001-CS-450-KV

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