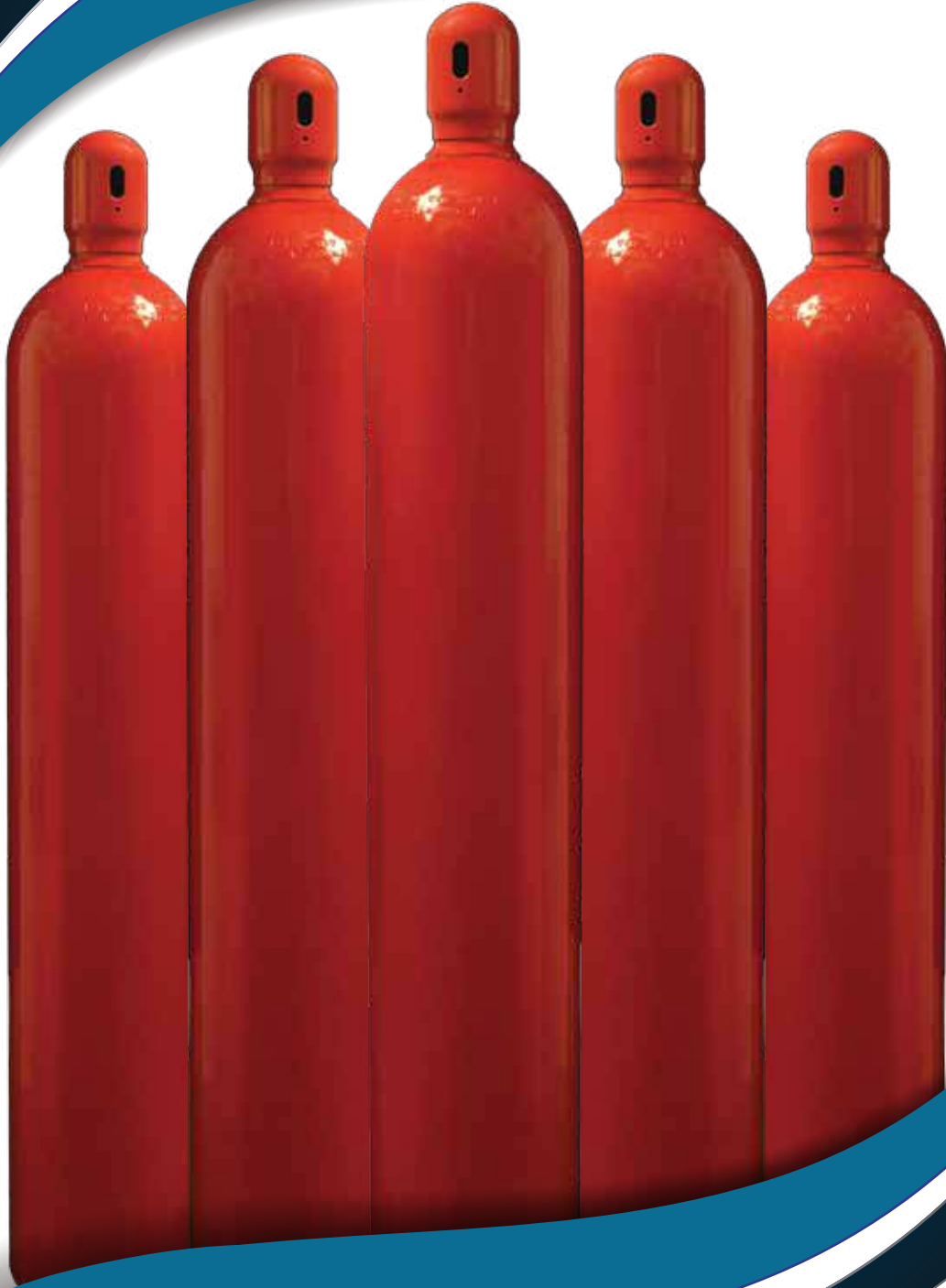


**UNIQUE**<sup>®</sup>



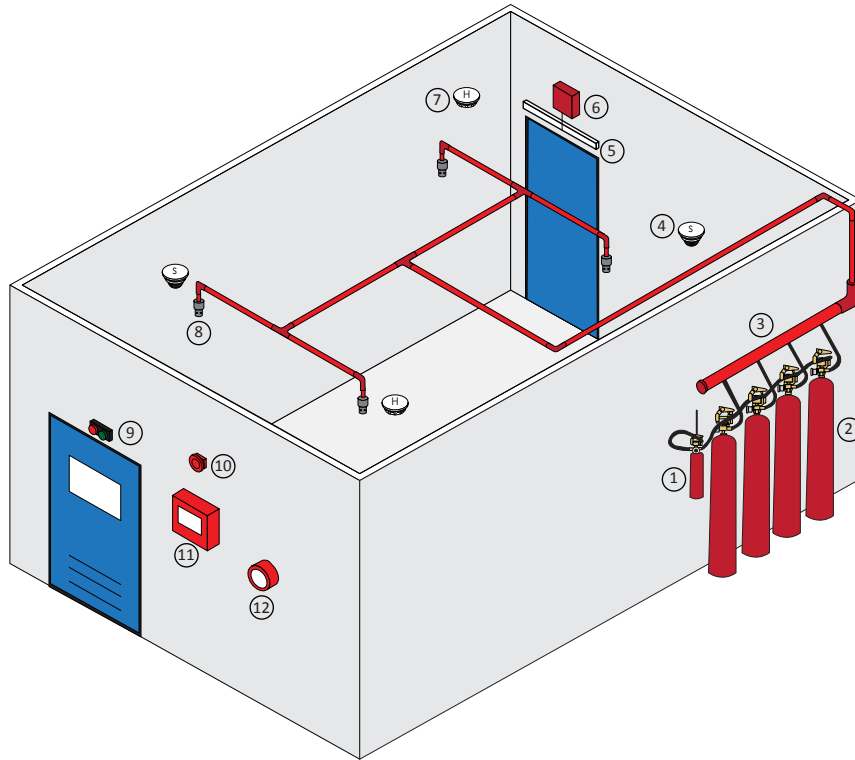
CARBON DIOXIDE  
FIRE EXTINGUISHING SYSTEM

# CARBON DIOXIDE FIRE EXTINGUISHING SYSTEM



## CO2 System Features

- Leaves no residue after discharge
- Eco-friendly agent
- Non-damaging to property
- Effective on a wide range of flammable and combustible materials.



## System Applications

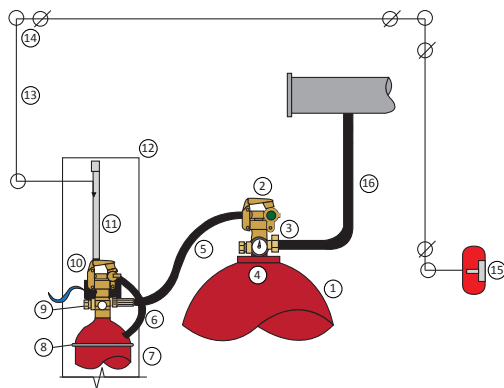
- Electrical Room
- Generator Room
- Switch Room

## CO2 System Typical Arrangement

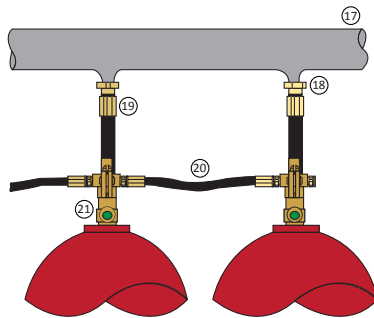
1. Electric Solenoid Pilot Cylinder (550 psi)
2. 68L Carbon Dioxide Cylinder
3. Manifold
4. Smoke Detector
5. Smoke Curtain
6. 24V DC Tripping Device
7. Heat Detector
8. CO2 Discharge Nozzle
9. Twin Flashing Light
10. Fire Alarm Bell
11. CO2 Control Panel
12. Manual Pull Station

## Pilot & Cylinder Arrangement

1. 68L CO2 Cylinder c/w 45kg CO2 gas
2. Ø20mm Pneumatic Operated Cylinder Valve
3. Ø20mm Outlet Valve
4. Pressure Gauge
5. Ø6mm x 600mm (L) Flexible Hose
6. Ø6mm x 300mm (L) Flexible Hose
7. Pilot Cylinder
8. Ø6mm Galvanised U-Bolt
9. Ø6mm Plug
10. Solenoid Valve
11. Manual Pull
12. Pilot Cylinder Mounting Bracket
13. Ø1.5mm Stainless Steel Cable in G.I Conduit
14. Corner Pulley
15. Manual Pull Handle
16. Ø15mm x 430mm (L) Discharge Hose
17. Cylinder Manifold
18. Ø20mm NPT Manifold Socket
19. Ø20mm Non Return Valve
20. Ø6mm x 345mm (L) Connecting Hose
21. Ø11mm x 7mm x 0.5mm Copper Washer



Pilot Cylinder Arrangement



Cylinder Arrangement

All specifications and information indicated in this catalogue are subjected to change without prior notice.

## UNIQUE FIRE INDUSTRY SDN BHD Co. No. 418731-U

No. 9, Jalan Anggerik Mokara 31/55, Kota Kemuning, Seksyen 31, 40460, Shah Alam, Selangor, Malaysia  
 T: +603 5131 1226 F: +603 5131 3326 (Account) F: +603 5131 3826 (Sales) F: +603 5131 2731 (Sales)  
 F: +603 5131 1863 (Counter Sales) E: enquiry@uniquefire.com W: www.uniquefire.com

## 45kg Seamless Cylinder with CO<sub>2</sub> Gas



TECHNICAL DATA	
Part No.	CYL-N
Water Capacity	68L
CO <sub>2</sub> Gas Capacity	45kg
Working Pressure	150 bar
Test Pressure	225 bar
Empty Weight	75kg
Material	Mn Steel
Manufactured	DOT-3AA
	BS 5045 Part 1
	GB5099-94

## Solenoid 24V DC Pilot Cylinder



TECHNICAL DATA	
Part No.	PC-S, PC-T
Gas	Nitrogen
Stored Pressure	38 bar (550 psi)
Power	24 V DC

## Cylinder Valve



TECHNICAL DATA	
Part No.	45KG-NV
Size	Forged Brass CuZn 3963
Type Mode	UP-05
Working Pressure	150bar
Type	Manual/Pneumatic/Electric
Weight of Valve	700g
Standard	DIN 477

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## Connecting Hose



TECHNICAL DATA	
Part No.	HH-CH-13
Size	6mm (1/4")
Length	330mm (13")
Type	High Pressure Hose
Material	Steel Braided Rubber Hose
Test Pressure	150 bar
Thread	BSPT

## Discharge Hose



TECHNICAL DATA	
Part No.	HH-DH-17
Size	13mm(1/2")
Length	432mm(17")
Type	High Pressure Hose
Material	Steel Braided Rubber Hose
Test Pressure	150 bar
Thread	BSPT

## Discharge Nozzle



TECHNICAL DATA			
Part No.	DN-UH15	DN-UH20	DN-UH25
Size	15mm	20mm	25mm
Material	Brass		
Finishing	Chrome		
Discharge Pattern	Uni-bilateral		
Discharge	With Orifice		
Type	Pendent		

## Pyrocharge with Fitting



TECHNICAL DATA	
Part No.	45KG-PC
Material	Steel
Finishing	Galvanised
Voltage	24V

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## Vent Plug



TECHNICAL DATA	
Part No.	HHF-VP-3/8
Size	10mm(3/8")
Material	Steel
Finishing	Galvanised

## Tee



TECHNICAL DATA	
Part No.	HHF-TEE-1/2"
Size	13mm (1/2") x 13mm(1/2") x 6mm(1/4")
Material	Steel
Finishing	Galvanised
Thread	BSPT

## Plug



TECHNICAL DATA	
Part No.	HHF-PG-3/8
Size	10mm(3/8")
Material	Steel
Finishing	Galvanised
Thread	BSPT

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## Solenoid 24V DC Tripping Device



TECHNICAL DATA	
Part No.	TD
Size	180mm(W) x 90mm(D) x 205mm(H)
Working Current	0.4A
Material	Mild Steel
Finishing	Epoxy Powder Coating

## Smoke Curtain



TECHNICAL DATA	
Part No.	FC
Material	Woven Fibreglass Fabric
Colour	White
Coating Finish	Loomstate
Operating Temperature	Basic Fabric 600°C
Standard	BS 476: Part 7

## Manual Pull Box



TECHNICAL DATA	
Part No.	MPB
Size	Ø200mm x 65mm(H)
Material	Aluminium Alloy (Body)
	Aluminium Alloy (Handle)
Finishing	Epoxy Powder Coating

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