

CO₂ FLOODING SYSTEM

Our company provide engineering, designing, sale, installation, and supervising and maintenance services for CO₂ extinguishing-systems.

Most suitable gas for local use instantly for the places where the chemicals is used. CO₂ gaseous extinguishing systems decreases the oxygen concentration until fire cannot last. Carbon dioxide gas is uncoloured; scentless, and has no electric conductivity. It is ideal gas for extinguishing. On the other hand, because of strangulation effect, it can be harmful on human health.



USES:

- Switch rooms, control cabinets, floor voids, electrical and electronic equipment rooms, engine test bays, ships engine and cargo hold;
- Drying ovens, large electrical and electronic cabinets;
- Paint spray booths, dip varnishing units, vapour exhaust systems;
- Transformers, generators, turbines;
- Flammable liquids and chemical products, foam materials;
- Rolling mills, test stands, dust filters, silos, textile and printing machinery; and
- Stores, archives, objects d'art.

COMPONENTS

SOLENOID VALVE:

- Equipped with solenoid coil for electronic as well as manual actuation
- Equipped with port for burst disc (included)
- Improves productivity for building fire protection and room fire protection
- High quality materials for clean agent fire suppression performance when it counts



Gas Type	CO ₂	
Upper Limit working pressure	42 Bar	609 PSI
Orifice size	7 mm	0.27559 "
Inlet Connection	25E EN-629-1	
Outlet Connection	W 21,8 X 1/14" DIN 477	
Dip tube connection	M10 X 0.75	
Safety relief pressure	78	
Body material	Brass	

CO₂ K Valve:

Specification:

Valve body	High tensile brass forging
Spindle	Brass IS : 319
Handle	Brass stick with nob
Sealing tip	Nylon
Test pressure	155 kg/cm ²
Working pressure	105 kg/cm ²



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 arranged in the protected space in a manner to ensure equal distribution of CO₂ gas during a discharge.

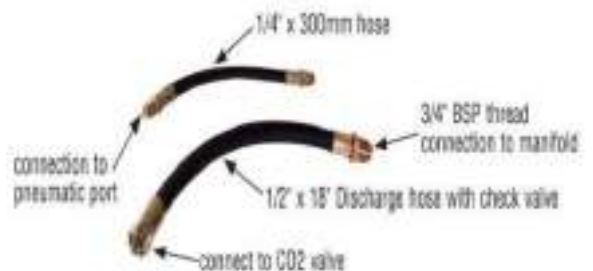
Size : 1/2" (15) , 3/4" (19) , 1" (25)



Discharge Hose and Pilot Loop Hose

Specification:

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





Type-1 Nozzle

CO2 Nozzle with cone horn with IH014 Gas discharge Nozzle adaptor.

Type-2 Nozzle

CO2 Nozzle with cone horn suitable to fit in the machinery also referred as CO2 DISCHARGE NOZZLE-SMALL TYPE.



FRAME TYPE

Tubular Frame



Cabinet Type



*** Actual Image of product may be different as per availability*