



Marine Fire Protection System & Products



About us



We are an ISO 9001:2015 company, Manufacturers of Marine Fixed CO2 Fire Suppression System and offering Marine Services in Naval Architecture, Ship Design, Site Supervision, Project Management, Construction Support and Marine Engineering. We offer complete solutions to clients for any “Flag change & Conversion”, preferably to Indian Flag and SPS Conversion, needs including feasibility studies. Our Team of experienced Marine Surveyor from IACS (IRS), Naval Architects and structural engineers are well experienced in ship design, statutory Compliance drawings, Stability etc. We offer standard designs on small specialized vessels including OSV, AHTS, MSV, Research Vessel, Fast Crew Boats, High Speed Craft, and Utility Boats etc.

Marine Surveys, Marine Audits, Ship Management, Pre-Purchase of Vessel, Port Agents, Towing Plan and Survey, Recruitment and Placement, Bunker Suppliers Audit and Chartering Services are also our area of expertise. Lead by team of highly skilled Marine Engineers, Naval Architects, Master Mariners and Marine Surveyors professionals, our team can take up any challenging tasks of inspections at dry dock as well as during sailing.

We are also one of the Manufacturers for Supply of Marine Fixed CO2 Fire Suppression System, also manufacture of High Pressure Flexible Hoses Certified by IACS Society and Supplier of Marine Fire Safety and Life Saving Appliances in India and abroad. With our dedicated service and good reputation of delivering quality material and service in time, we are able to handle any urgent needs. We are currently certified by major IACS societies such as IRS, etc. as OEM of System for all types of vessels.

Global Consultancy Services has provided best in class services for Indian flag conversion in compliance with rules and regulation of Director General of Shipping (DGS) and Indian Register of Shipping (IR Class) for long time for different type of Vessel like Gas Carrier, Tanker, Bulk Carrier, Offshore Supply Vessel (OSV), Passenger Vessel, Tugs and etc.

Our emphasis on innovation, quality deliveries, lively work culture and our passion to continuously add new services resulted in exemplary growth rate, sufficient enough to qualify for the Fast Growth of Indian Marine Industry.



Why Us?



In a short period, we have developed a good portfolio of several concept & basic designs of vessels for offshore support and short sea/coastal trade.

Our portfolio designs are an outcome of an intense brainstorming with clients along with innovative thinking and wide practical exposure of our team.

We are committed to with all our employees and all interested parties / stakeholders in a quality conscious, safe, healthy and environmentally responsible manner, for performing various tasks and delivering our products and/or services.

Fulfilling business needs and hence client satisfaction is the top objective for each project at Global Consultancy Services and it is this priority that will make us grow as a reliable partner to offer cost effective & high quality solutions to our clients

Mr. Anand K. Asati

(MEO Class I C/E. & ex IRS Surveyor)

Director

ORGANIZATION CHART





High Pressure Fire Suppression System



MARINE HIGH PRESSURE CO₂ SYSTEMS

We provide complete systems duly approved by MMD/ABS/IRS as the case may be.

Global Consultancy Services Brand FIRZ OUT supplies approved marine High-Pressure Carbon Dioxide (CO₂) Suppression Systems which are typically installed to protect the following:

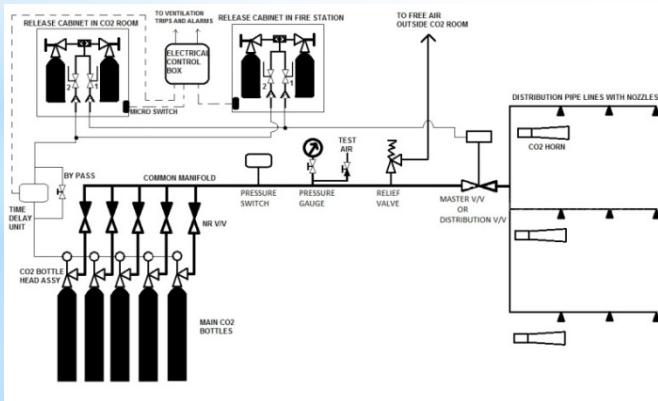
- Engine Rooms
- Pump Rooms
- Incinerator Rooms
- Generator Rooms
- Cargo Holds and Paint Lockers and
- Other small storage areas from fire on Marine Ships

All of the systems are manually operated from either a remote station (away from the cylinder storage area) or at the local station (beside the storage cylinders).



The banked systems employ a remote actuation station, a local station, a stop (selector) valve, lock-out valve, odorizer and a timer to delay the stop valve opening. These systems operate on a two-stage principle. The first stage activates all of the cylinders in the bank and fills the manifold up to the stop valve. The second stage allows CO₂ to flow into the timer and subsequently actuate the stop valve which in turn releases CO₂ into the protected area.

The multi-zone systems employ a stop valve specific to each zone protected and may also employ controlled release of cylinders, via non-return valves in the actuator line, to discharge an appropriate quantity of gas into the proper area.





High Pressure Fire Suppression System



Release Control Cabinet

Release Control Cabinet is assembled with pilot cylinders and control Valves. Each RCC (Release Control Cabinet) is equipped with one or two Pilot Cylinders and two valves. There are two separate valves, each controlling the main valve and cylinder valves.



Cylinder Valves

Cylinder Valves are installed on each cylinder. Each one is designed to actuate upon the gas pressure from the RCC pilot cylinders.

Depending Upon the actuation Valve type, the Cylinders can be operated manually, pneumatically, or electrically.



Discharge Hoses

Main Distribution Valve

Main Distribution Valve is designed to discharge CO2 gas immediately in the hazard area where total flooding suppression is applied. The main distribution valves are operated by gas pressure let from the actuating unit with pilot cylinders in RCC.

CO2 Discharge Monitoring Panel/Alarm System

Full Automated or Semi Automated CO2 Discharge Monitoring Electric Panel.



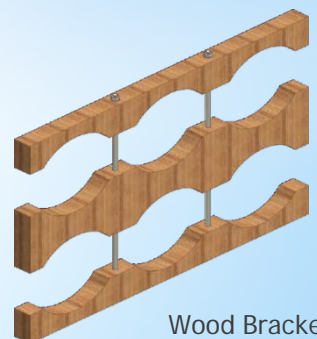
CO2 Alarm



CO2 Discharge
Nozzle Open Type



MECHANICAL WEIGHT
LOSS INDICATOR



Wood Bracket
Supporting



Marine Fire Detection & Alarm System



Marine Approved 2, 4, 8 and 12 Zone Marine Conventional Fire Detection and Alarm Control Panel:

A conventional fire alarm system uses one or more circuits, connected to sensors wired in parallel. Each device is connected to the control panel with its own wire. You will find one end of the wire connected to the device, and another connected to the control panel. The main advantage of the conventional fire alarm system is that they are cost effective for the smaller applications.



Manual Call Point



Heat/Smoke Sensors

Marine Approved Multi-Heat Sensor / Smoke Sensor

Leveraging our vast industrial experience in this field, we are committed to offering a wide spectrum of Marine Fire Detection System. Additionally, we are offering these products at very affordable rates.



Buzzer Alarm





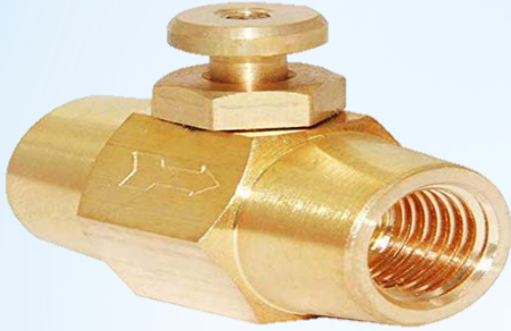
Marine Approved Products



Self Closing Valve (For Fuel Oil Sampling)

Advantages :

- * Spring loaded valve:
- * Helps you for easy operation.
- * Push button:
- * Helps you control the flow easily.
- * One direction flow:
- * Helps you to stop reverse flow.
- * Self Closing Valve:
- * Auto closing with the help of spring.



Rules : In Accordance with MEPC.1/Circ.864/Rev.1 & in Compliance with MARPOL Annex VI, Reg.14.11.

Cylinder Valves

Cylinder Valves are installed on each cylinders. Each one is designed to actuate upon the gas pressure from the RCC pilot cylinders.

Depending Upon the actuation Valve type, the Cylinders can be operated manually, pneumatically, or electrically.



Rubber & Flexible Hoses

Various types of Rubber Hoses, Marine Approved Hoses for CO2 System Cylinder Discharge.



Our Clientele



Approvals & Listings:



Helping Global Businesses Succeed!



20+	50,000+	60,000+	300+	20+	98%	100%
System Supplied	Manuals Digitized	Plans Digitized	Vessel Inventory done	Team Members	On time Completion	Client Satisfaction





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