

CARBON DIOXIDE FIRE FIGHTING SYSTEM

YN-CO2L-5-30 Marine Low Pressure CO2 Fire Extinguishing System

Manufacturing Standards 1.Chapter 5 of International Code for Fire Safety Systems, as amended by MSC.206(81) and MSC. 339(91). 2.Chapter 2, Part Six of China Classification Society Rules for Classification of...

ISO9001 Supplier

Class Certificate

Export Supply



Key Highlights

|                                                                                                        |                                                                             |
|--------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------|
| Category                                                                                               | Carbon Dioxide Fire Fighting System                                         |
| Standard                                                                                               | DIN                                                                         |
| Material                                                                                               | 2.Chapter 2, Part Six of China Classification Society Rules for Classifi... |
| Weight / Size                                                                                          | Low-pressure CO2system is gradually being used on large car carriers, la... |
| Certificate                                                                                            | ABS, LR, BV, DNVGL, NK, KR, IRS, RMRS, CCS                                  |
| We can supply according to your requirement, drawings, class certificate needs, and delivery schedule. |                                                                             |

| Technical Specifications |                                                                                                                                                                                                                                                |             |                                                                                                                                  |
|--------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|----------------------------------------------------------------------------------------------------------------------------------|
| Category                 | Carbon Dioxide Fire Fighting System                                                                                                                                                                                                            | Model / SKU | YN-CO2L-5-30-Marine-Low-Pressure-CO-Fire-Extinguishing-System                                                                    |
| Standard                 | DIN                                                                                                                                                                                                                                            | Material    | 2.Chapter 2, Part Six of China Classification Society Rules for Classification of Sea-going Steel Ships 2025 and its amendments. |
| Weight / Size            | Low-pressure CO <sub>2</sub> system is gradually being used on large car carriers, large ro-ro ships and large container ships due to their advantages such as large storage capacity, light weight, small footprint and short refilling time. | Certificate | ABS, LR, BV, DNVGL, NK, KR, IRS, RMRS, CCS                                                                                       |
| Warranty                 | 12 Months unless specified otherwise                                                                                                                                                                                                           | Origin      | China                                                                                                                            |

**China YN-CO2L-5-30 Marine Low Pressure CO<sub>2</sub> Fire Extinguishing System:**

Manufacturing Standards

- 1.Chapter 5 of International Code for Fire Safety Systems, as amended by MSC.206(81) and MSC. 339(91).
- 2.Chapter 2, Part Six of China Classification Society Rules for Classification of Sea-going Steel Ships 2025 and its amendments.
- 3.GB 19572—2013 Low Pressure Carbon Dioxide Extinguishing System and Components.

Application and Advantages

Large space cabins, such as car carriers, passenger and cargo ro-ro ships and large container ships, etc. Low-pressure CO<sub>2</sub>system is gradually being used on large car carriers, large ro-ro ships and large container ships due to their advantages such as large storage capacity, light weight, small footprint and short refilling time. It is intelligent monitoring and management, displays operating parameters in real time, and features dual pressure and liquid level alarms, enabling automatic opening and closing of the chiller. Furthermore, the system can adjust the operating time of the main and auxiliary valves based on the size of the protected area to ensure effective fire extinguishing.

Technical Parameters

- Model number: YN-CO2L-5/30
- Ambient Temperature :-23 to 50 centigrade
- Working Pressure :2.0±0.2MPa
- Design Pressure :2.5MPa
- Filling Factor: ≤95%
- Main Power :AC440 50/60Hz / AC380 50/60Hz

Spare Power :AC440 50/60Hz / AC380 50/60Hz / DC24V

Application: total flooding, local application

Discharge Time: ≤1 min ( total flooding ) 、 ≤7 min ( local application )

Activation Method :automatic, manual, mechanical emergency operation

