



Inert Gas Fire Suppression System With IG541 For Environmentally-Friendly Fire Control

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: xinlin
- Certification: UL, FM, CMA, CNAS, ILAC-MRA, CCC
- Model Number: DMP90/20-XL-01
- Minimum Order Quantity: 1 set system
- Price: negotiation
- Packaging Details: Plywood outer box with bubble bag or paper
- Delivery Time: 10-15 working days after payment or receipt of L/C
- Payment Terms: L/C, D/A, D/P, T/T, Western Union, MoneyGram
- Supply Ability: 50000 sets per week



Product Specification

- Type: Fixed System
- Agent Composition: Nitrogen, Argon, Carbon Dioxide
- Gas: Inert Gas
- Activation Method: Automatic
- Efficiency: High Efficiency
- Installation: Easy Installation
- Release Time: $\leq 60s$
- Working Pressure: 20MPa
- Highlight: **Environmentally-Friendly Fire Suppression System**
, IG541 Inert Gas Fire Suppression System



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Product Description

System Composition

It consists of fire extinguishing agent storage cylinder groups, pneumatic manual starting heads, selector valves, check valves, pneumatic check valves, manifold safety valves, low-pressure relief valves, pressure reducing devices, pressure relays, electromagnetic pilot valves, starting gas cylinder groups, nozzles, cylinder group racks, pipeline systems, and automatic fire alarm and extinguishing control systems.

Working Principle

It adopts a physical fire extinguishing method. When the IG541 gas is discharged into the fire area, it can reduce the oxygen concentration in the protected area within a short time. The normal oxygen content in the air, which is 21%, will be decreased to below 12.5% that can support combustion, thus creating a suffocating effect and quickly terminating the combustion. At the same time, the carbon dioxide content will increase to 2% - 5%, which stimulates the human respiratory center nerve, prompting the human body to breathe faster or take deep breaths, so as to increase the oxygen content in the blood and accelerate blood circulation, ensuring that the human body can still breathe normally in a low-oxygen environment.

Scope of Application

It can be used to extinguish Class A surface fires of combustible solids, such as surface fires of wood and fibrous materials; Class B liquid fires of combustible liquids, for example, fires caused by the combustion of heptane and gasoline; Class C gas fires where the gas source can be cut off before extinguishing; and Class E electrical equipment fires. It is suitable for fire protection of key parts such as computer rooms, libraries, archives, valuable goods warehouses, power stations, telecommunication centers, and clean workshops. However, it is not applicable to extinguish Class D fires of active metals, nor is it suitable for extinguishing fires of compounds containing oxides

Technical parameter

Model	DMP90/20-XL-01
Agent	N ₂ ,Ar,CO ₂ (proportion52%,40%,8%)
Executive standards	GB25972-2010
Working pressure (20°C)	15MPa
Working pressure temperature	0~50°C
Filling density (20°C)	211.15kg/M ³
Maximum working pressure(50°C)	17.2MPa
Fire extinguishing methods	Total flooding fire extinguishing

Starting Method	Automatic, pneumatic, and mechanical emergency operations
Spraying time	≤60S
Drive bottle group pressure	6Mpa
Application place	Computer room, communication room, control room, valuable equipment room, cultural relics collection library and archive room, data storage room, generator room, transformer room, substation circuit breaker, circulating equipment hydraulic equipment, drying equipment, dust removal equipment, painting production line, etc.

Company profile

Guangzhou Xinlin Firefighting Equipment Co., Ltd. is located in Guangzhou, a vital city connecting China to the world, characterized by its convenient transportation and picturesque environment. We are a manufacturing company with a professional and seasoned team of employees, consisting of solution design experts, technical installation specialists, quality inspection professionals, and after-sales service teams, dedicated to the research and development of HFC-227ea (FM200), IG541, IG100, and Novec 1230 products.

Currently, we offer a range of commonly used fire suppression systems, including FM200 fire suppression systems, cabinet-style FM200 fire suppression systems, fully automatic fire extinguisher (hanging), portable fire extinguisher, IG541 fire suppression systems, IG100 fire suppression systems, fire detection tube fire suppression systems, as well as automatic fire extinguishing pipelines.

With high quality products, perfect service and good reputation, the company has won wide praise from customers at home and abroad.



Why choose us

- Efficient management system
- More than 10 years of experience in gas fire fighting industry
- Advanced equipment and professional engineers
- We provide 8x6 hr technical support and after-sales service

Frequently Asked Questions

Q1: Are you a manufacturer or a trading company?

A1: We are the manufacturer.

Q2: Do you have OEM orders?

A2: Yes, according to the customer's requirements.

Q3: Where is your factory located? How do I get there?

A3: Our factory is located in Dongzhou Industrial Park, Xintang Town, Zengcheng District, Guangzhou City, Guangdong Province, China.

You are very welcome to visit our factory.



Guangzhou Xinlin Fire Fighting Equipment Co., Ltd.



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