



## IG100 Nitrogen Extinguishing System With 15MPa Storage Capability

### Our Product Introduction

#### Basic Information

- Place of Origin: China
- Brand Name: Guangzhou Xinlin Firefighting Equipment Co., Ltd.
- Certification: ISO9001, CE, QMS, CCCF, CNAS
- Model Number: DMP90/15-XL-201
- Minimum Order Quantity: 10set 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: 30000 unit



#### Product Specification

- Power Source: Gas Fire Extinguisher
- Starting Mode: Automatic, Electrical Manual, Mechanical Emergency
- Capacity: 70L, 80L, 90L
- Feature: Clean Gas And Environmental Friendly
- Body Material: Steel Cylinder
- Pressure: 15MPa
- Agent: Nitrogen
- Type: Automatic Fire Extinguisher
- Object: Class A, B, C, E Fires
- High Light: DMP90/15-XL-201 Gas Fire Suppression
- Highlight: **IG100 Nitrogen Extinguishing System ,  
15MPa Nitrogen Extinguishing System**

## Product Description

### The IG100 Nitrogen Extinguishing System with 15MPa Storage Capability

#### Product description

The IG100 gas fire extinguishing device is an advanced fire extinguishing system that uses pure nitrogen (N<sub>2</sub>) as the fire extinguishing agent. Because the main component of the fire extinguishing agent is nitrogen in the atmosphere, it is also called the Inergen fire extinguishing system. Due to its high efficiency, environmental protection, no residue, non-toxic and harmless characteristics, this fire extinguishing system is widely used around the world in various areas that require special protection. It is especially suitable for those where valuables, precision electronic equipment and important information are stored. place.

**System Overview:** The core of the IG100 gas fire extinguishing system is to achieve the purpose of physical fire extinguishing by reducing the oxygen concentration in the protected area to a level insufficient to maintain combustion (generally reduced to less than about 15%). Nitrogen itself is a colorless, odorless, non-toxic gas that is harmless to the human body and does not easily react chemically with other substances at room temperature. Therefore, it will not cause damage to the equipment in the protected area during the fire extinguishing process, and will not produce any Harmful chemicals or condensation water damage, facilitating rapid recovery after a fire.

**System composition:** A complete IG100 gas fire extinguishing system includes multiple key components, such as bottle group rack, fire extinguishing agent bottle group (filled with nitrogen), high-pressure hose, one-way valve, manifold, safety relief device, and selection valve, signal feedback device, fire extinguishing agent transportation pipeline, pressure reducing device, nozzle, driving gas bottle group and electromagnetic driving device, etc. These devices work together to ensure that nitrogen can be released accurately and promptly into the predetermined protection area in the event of a fire.

**Working principle:** When the fire alarm detection system detects the fire source and confirms the fire situation, the control system will immediately start the IG100 gas fire extinguishing device. The high-pressure nitrogen in the nitrogen cylinder group is quickly released and evenly distributed to the protective area through the pipe network, forming an environment with thin oxygen but not affecting the short-term evacuation of the human body, thereby cutting off the oxygen supply to the fire source and achieving fire extinguishing.

**Usage scenarios:** IG100 gas fire extinguishing system is widely used in many high-sensitivity and high-value environments, such as:

**Data Centers and Computer Rooms:** Protect expensive and sensitive electronic equipment from water or chemical fire extinguishing agents.

**Communication base station and control room:** Ensure that important control equipment is not damaged in the event of a fire and avoid service interruption.

**Museums and libraries:** Provide harmless fire extinguishing measures for precious cultural relics and documents.

**Chemical and power facilities:** Provide safe and effective fire extinguishing methods in environments containing large amounts of electrical equipment and flammable and explosive materials.

**High-tech manufacturing and research laboratories:** Protect precision instruments and equipment from potential damage caused by fire and traditional fire-extinguishing agents.

Because the IG100 gas fire extinguishing system is environmentally friendly, safe and efficient, more and more industries regard it as the preferred fire protection solution. Especially in modern society that emphasizes green and sustainable development, its application prospects are even broader.

#### Technical parameter

Model	DMP90/15-XL-201
Agent	N <sub>2</sub>
Executive standards	GB25972-2010
Working pressure (20°C)	15MPa
Working pressure temperature	0~50°C
Filling density (20°C)	178.125kg/M <sup>3</sup>
Maximum working pressure(50°C)	17.2MPa
Fire extinguishing methods	Total flooding
Starting Method	Automatic, pneumatic, and mechanical emergency operations
Spraying time	≤60S
Drive bottle group pressure	6Mpa

## 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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