



## Automatic Ig541 Fire Extinguisher Inert Mixed Gas Inergen Fire Suppression System

Our Product Introduction

### Basic Information

- Place of Origin: China
- Brand Name: xinlin
- Certification: ISO9001, CE, QMS, CCCF, CNAS
- Model Number: XL-41
- Minimum Order Quantity: 1
- 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, T/T
- Supply Ability: 30000 sets per week



### Product Specification

- Starting Mode: Automatic, Electrical Manual, Mechanical Emergency
- Color: Red
- Company Type: Manufacturer Over 10-Years
- Feature: Clean Gas And Environmental Friendly
- Body Material: Steel Cylinder
- Package Size: 500.00cm \* 450.00cm \* 1350.00cm
- Capacity: 70L, 80L, 90L
- Working Pressure: 15MPa
- Drive Pressure: 6MPa
- Object: Class A, B, C, E Fires Full Payment
- High Light: IG541 Gas System
- Highlight: **Automatic Inert Gas Fire Suppression System,  
Inergen Inert Gas Fire Suppression System,  
Ig541 Inert Gas Fire Suppression System**

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## Product Description

### Product description

#### Automatic IG541 Fire Extinguisher Inert Mixed Gas Inergen Fire Suppression System

Guangzhou Xinlin Firefighting Equipment Co., Ltd. produces an advanced clean agent fire suppression system known as the IG541 Gas Extinguishing System, which utilizes a blend of three naturally occurring atmospheric gases in specific proportions. The composition of this mixture includes approximately 52% nitrogen (N<sub>2</sub>), about 40% argon (Ar), and around 8% carbon dioxide (CO<sub>2</sub>). Under normal temperature and pressure conditions, this mixed gas is colorless, odorless, non-toxic, non-conductive, and environmentally friendly.

The principle of fire extinguishment for the IG541 system relies primarily on reducing the oxygen concentration within the protected area to a level insufficient for sustaining combustion, rather than through chemical inhibition or cooling effects. Upon activation, the IG541 gas rapidly fills the protected space, lowering the oxygen content to approximately 12.5%. While this level allows for short-term safe breathing by personnel, it is below the minimum oxygen concentration required for most combustibles to maintain a fire, thereby effectively extinguishing the flames.

This system is suitable for a wide range of critical facilities such as computer rooms, communication equipment rooms, control rooms, libraries, archives, areas housing valuable equipment and cultural relics, especially where there is a requirement that the fire suppression process must not damage the items being protected and may involve the presence of people.

#### In terms of system structure, an IG541 gas extinguishing system typically comprises the following components

- Fire Extinguishing Agent Storage Cylinder Group
- Container Valves
- High-pressure Hoses and Fittings
- Selector Valves or Manifold Pipes
- Pressure Reducing Devices
- Nozzles and Piping Network
- Control Panels and Detectors
- Automatic, Manual, and Mechanical Emergency Operation Starting Devices
- Feedback Signal Devices

Based on varying usage requirements, the IG541 gas extinguishing system can be designed as either standalone independent units or combined distribution systems to provide effective fire protection for single or multiple protected areas.

### Technical parameter

Model	XL-41
Agent	N <sub>2</sub> , Ar, CO <sub>2</sub> (proportion 52%, 40%, 8%)
Executive standards	GB25972-2010
Working pressure (20°C)	15MPa
Working pressure temperature	0~50°C
Filling density (20°C)	211.15kg/M <sup>3</sup>
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

### 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

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- 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

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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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