

Product Introduction

IG541 & IG100 Fire Suppression Device - Pipe Network Type



Parameters

No.	Specification	IG541 Technical Parameter		IG100 Technical Parameter	
1	Device Model	QMH15/80	QMH15/90	QMD15/80	QMD15/90
2	Capacity	80Ltr	90Ltr	80Ltr	90Ltr
3	Filling Capacity of Gas	16.89kg	19kg	14.25kg	16.04kg
4	Outside Diameter of Cylinder	Φ279mm	Φ325mm	Φ279mm	Φ325mm
5	Height of Cylinder	1578 ⁺⁷³ mm	1345 ⁺⁶⁰ mm	1578 ⁺⁷³ mm	1345 ⁺⁶⁰ mm
6	Filling Rate	0.211kg/L		0.178kg/L	
7	Working Pressure	15Mpa			
8	Spraying Time	≤120s			
9	Power	DC24V/1.6A			
10	Nitrogen Pressure of Driving Device	6.0 ± 1.0Mpa(20°C)			
11	Condition of Reserving Room for Container	temperature: 0~50°C			
12	Max Working Pressure	17.2Mpa			
13	Min Working Pressure	13.6Mpa			

Product Introduction

Composition

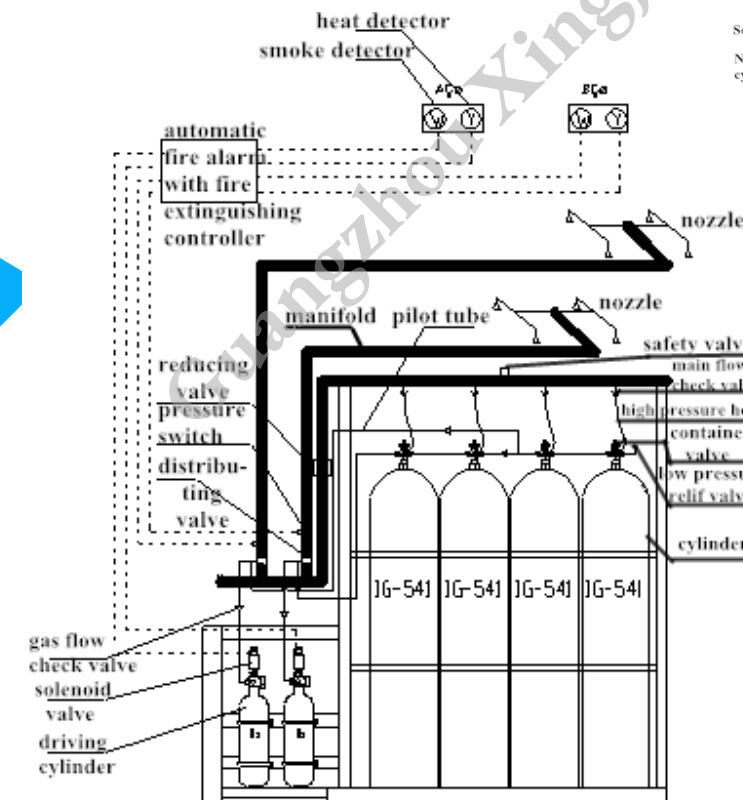
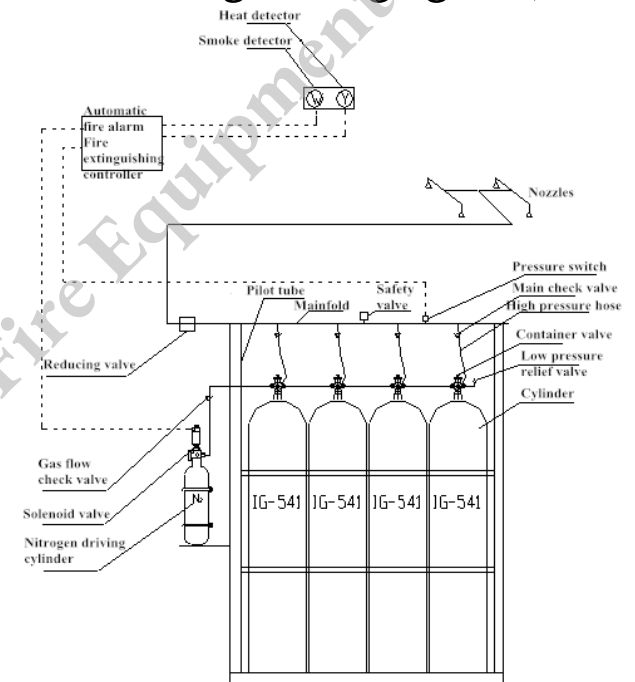
Single/multiple cylinder(s) for single zone

Single/multiple cylinder(s) for multiple zones

Both of above kinds are same as FM200 pipe network fire suppression system, but filled with fire extinguishing agent (IG541 or IG100).

IG541 Mimic diagram

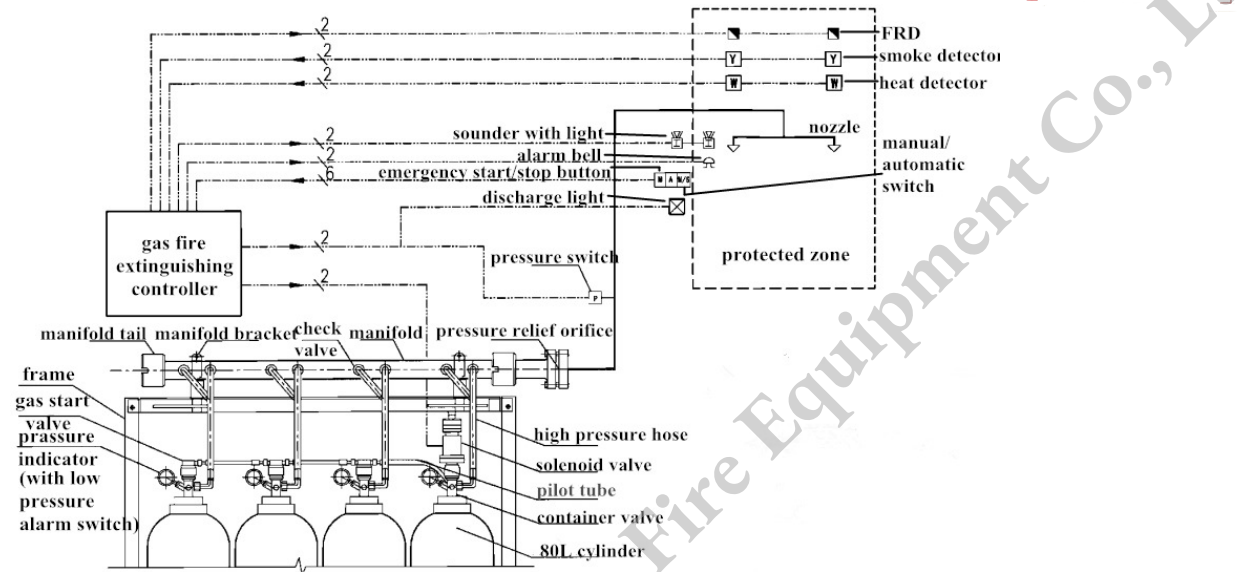
Multiple cylinders for single zone



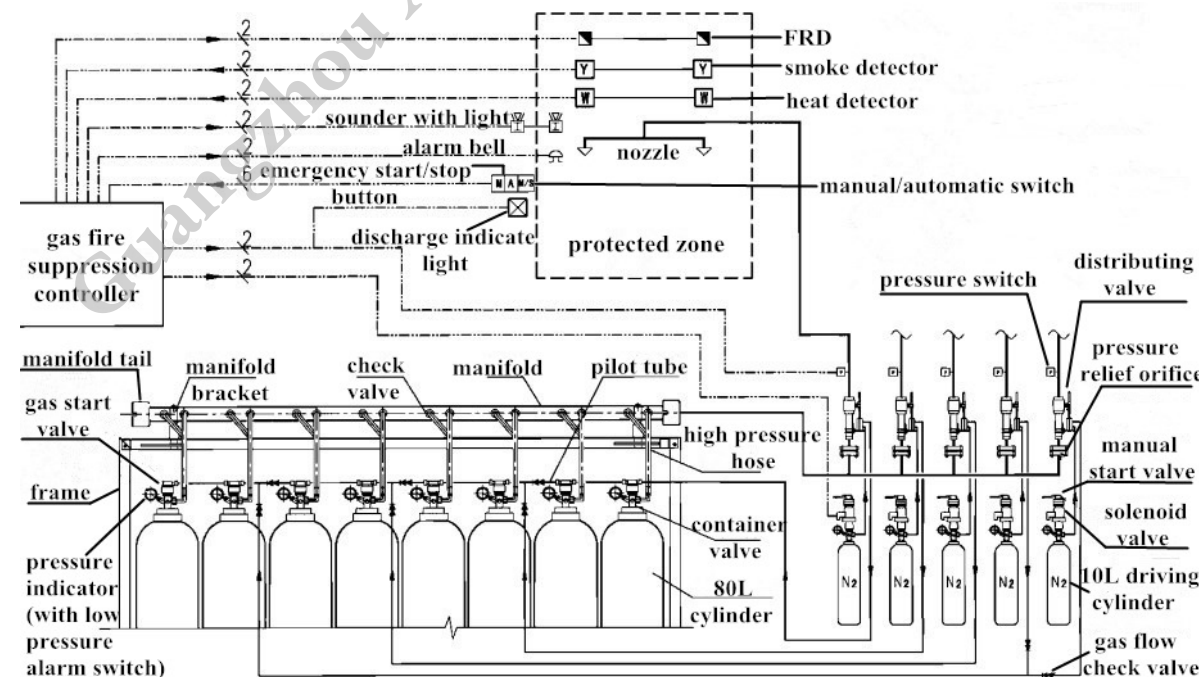
Multiple cylinders for multiple zones

IG100 Mimic diagram

Multiple cylinders for single zone



Multiple cylinders for multiple zones



Advantages



IG541 mixture gas is a kind of colorless and tasteless and nontoxic and non-conducting, pure “green” gas without residue and pollution after extinguishing. IG100 uses 100% pressurized nitrogen, which accounts for 78% of the atmosphere, as the extinguishing agent.

Strong points:

1. The constant release pressure of 6MPa provides more lasting and effective pressure, and the transmission distance can reach 200 meters.
2. Low pressure release of the whole system can just caused less impact on site personnel, equipment and building structure, and more safety.
3. The external constant pressure reliever can only bear the pressure when the system is spraying, which is convenient for disassembly and maintenance and effectively reduces the failure rate of the system.
4. After spraying, the system does not need to replace any parts, simple disassembly and secondary filling, the system can be quickly put into operation.
5. The opening area of the gas pressure relief port is reduced, the input cost of the safety pressure relief device is directly reduced, and the safety buckle is installed and arranged more simply.