

Product Introduction

IG541(Inergen) & IG100 (Nitrogen)& IG55(Argonite) Fire Suppression Device -- Pipe Network Type

Parameters of 80L Cylinder

No.	Specification	IG541 Technical Parameter		IG100 Technical Parameter		IG55 Technical Parameter	
		QMH20/80	QMH30/80	QMD20/80	QMD30/80	QMDY20/80	QMDY30/80
1	Device Model	QMH20/80	QMH30/80	QMD20/80	QMD30/80	QMDY20/80	QMDY30/80
2	Working Pressure	20 MPa	30MPa	20 MPa	30MPa	20 MPa	30MPa
3	Capacity	80Ltr		80Ltr		80Ltr	
4	Filling Capacity of Gas	23.9kg	33.2kg	20kg	24.7kg	22.9kg	34.06kg
5	Outside Diameter of Cylinder	Φ279mm	Φ267mm	Φ279mm	Φ267mm	Φ279mm	Φ267mm
6	Height of Cylinder	1610mm	1770mm	1610mm	1770mm	1610mm	1770mm
7	Filling Rate	0.299kg/L	0.415kg/L	0.25kg/L	0.309kg/L	0.286kg/L	0.426kg/L
8	Max Working Pressure	23.2 MPa	36.6MPa	23.2 MPa	36.6MPa	23.2 MPa	36.6MPa
9	Min Working Pressure	18 MPa	27MPa	18 MPa	27MPa	18 MPa	27MPa
10	Spraying Time	≤120s					
11	Power	DC24V/1.6A					
12	Nitrogen Pressure of Driving Device	6.0±1.0MPa(20°C)					
13	Condition of Reserving Room for Container	temperature: 0~50°C					

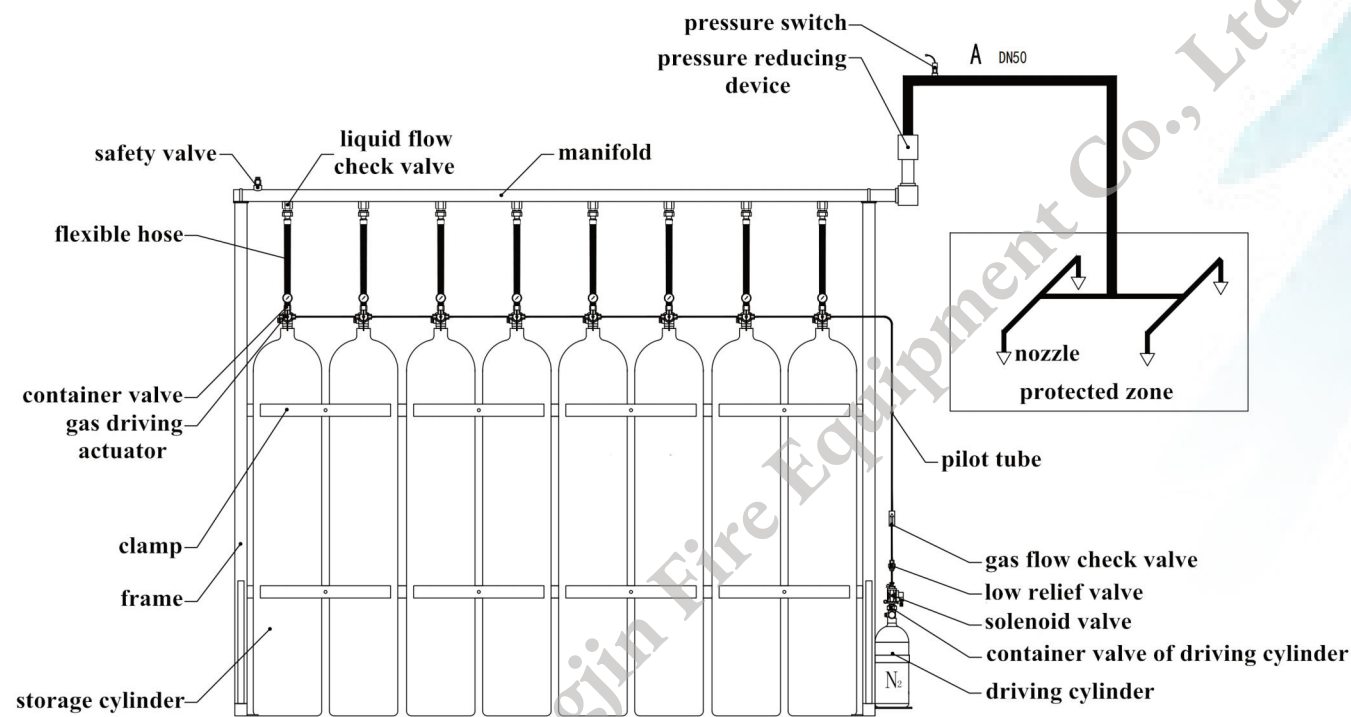
Parameters of 140L Cylinder

No.	Specification	IG541 Technical Parameter		IG100 Technical Parameter		IG55 Technical Parameter	
		QMH20/140	QMH30/140	QMD20/140	QMD30/140	QMDY20/140	QMDY30/140
1	Device Model	QMH20/140	QMH30/140	QMD20/140	QMD30/140	QMDY20/140	QMDY30/140
2	Working Pressure	20 MPa	30MPa	20 MPa	30MPa	20 MPa	30MPa
3	Capacity	140Ltr		140Ltr		140Ltr	
4	Filling Capacity of Gas (@ 200 bar / @ 300 bar)	42kg	58.2kg	31.3kg	43.2kg	40.1kg	56.3kg
5	Outside Diameter of Cylinder	Φ356mm		Φ356mm		Φ356mm	
6	Height of Cylinder	1825mm		1825mm		1825mm	
7	Filling Rate (@ 200 bar / @ 300 bar)	0.300kg/L	0.201kg/L	0.224kg/L	0.309kg/L	0.286kg/L	0.402kg/L
8	Max Working Pressure	23.2 MPa	36.6MPa	23.2 MPa	36.6MPa	23.2 MPa	36.6MPa
9	Min Working Pressure	18 MPa	27MPa	18 MPa	27MPa	18 MPa	27MPa
10	Spraying Time	≤120s					
11	Power	DC24V/1.6A					
12	Nitrogen Pressure of Driving Device	6.0±1.0MPa(20°C)					
13	Condition of Reserving Room for Container	temperature: 0~50°C					

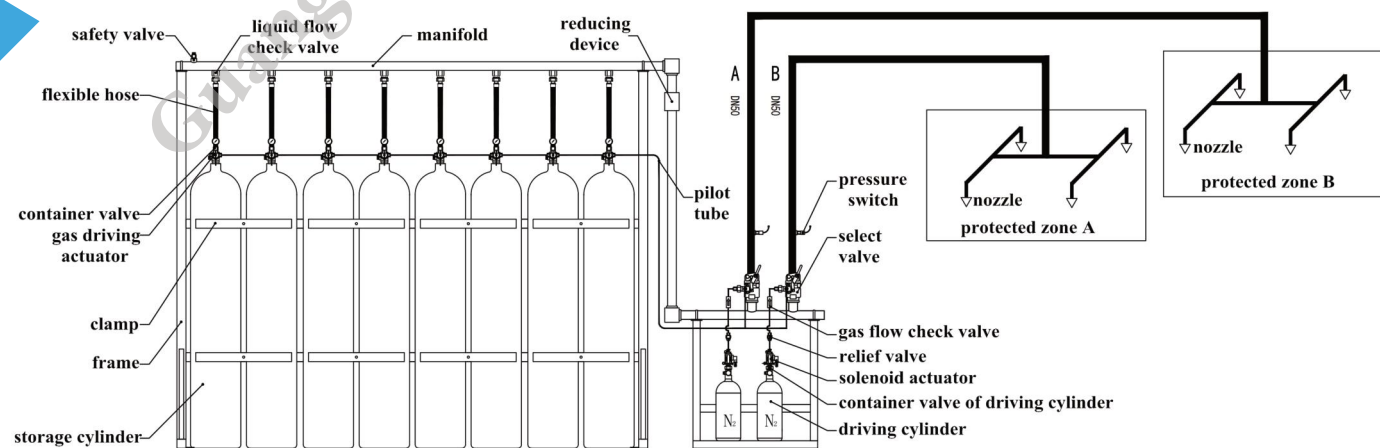
Product Introduction

Composition -- Mimic diagram of IG series

Multiple cylinders for one 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. IG55 adopts 50% nitrogen and 50% argon to form fire extinguishing agent, which fully integrates the design concept of new era fire extinguishing system, making the product successfully equipped with the function of protecting environment and efficient fire extinguishing.

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.