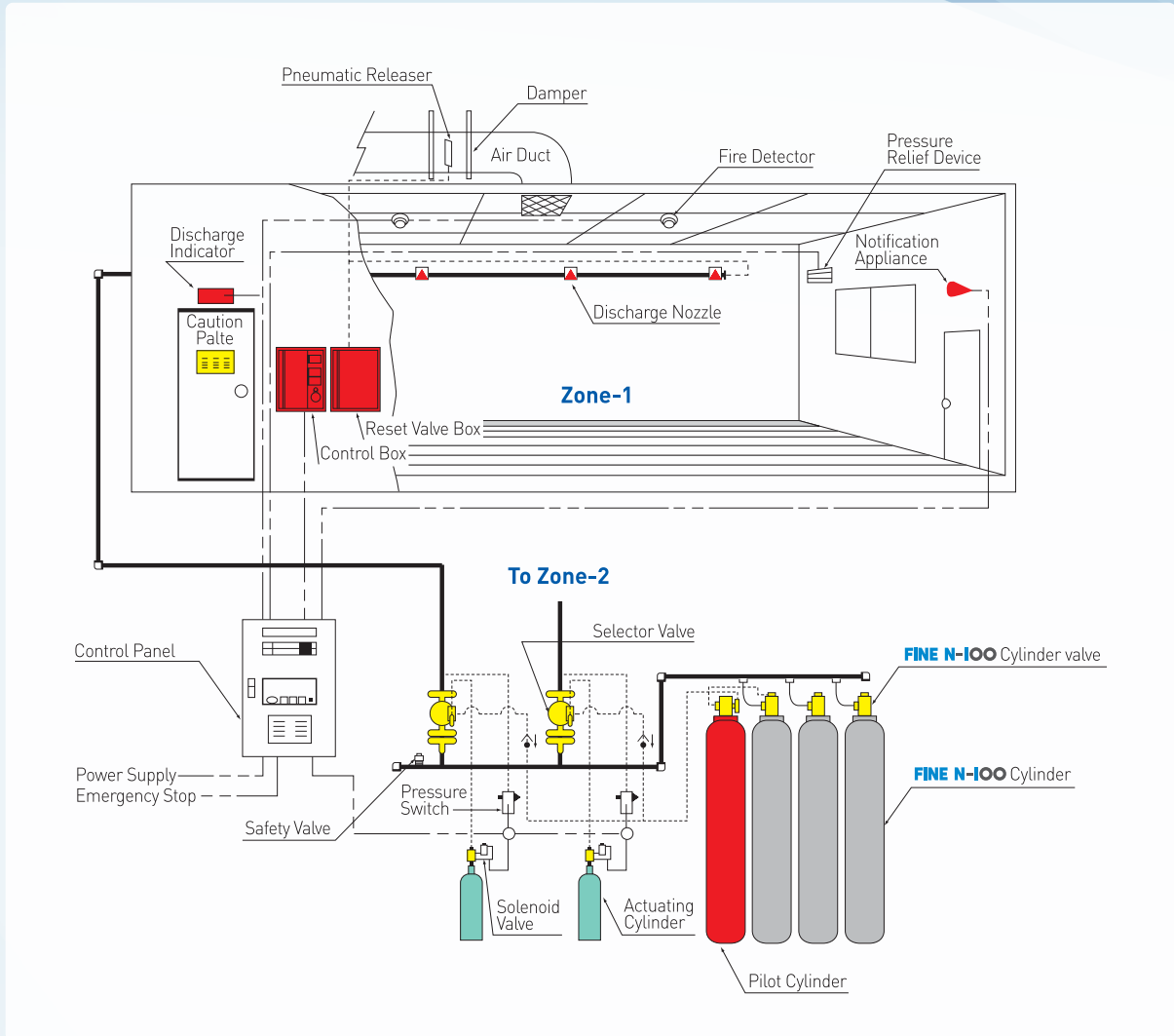


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Gas Fire Fighting facilities.*

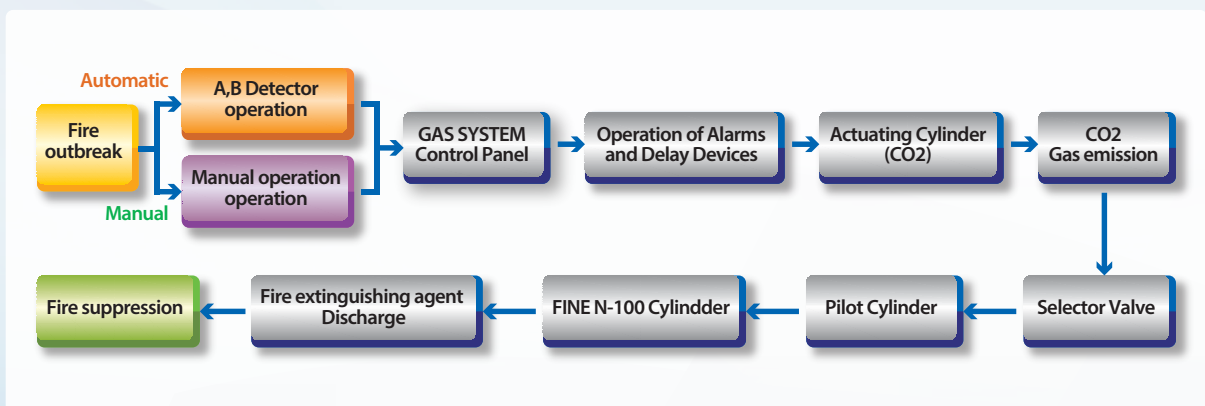
## **Material authorizarion document**



## ◆ FINE N-100 System Configuration



## ◆ Operation Flow Chart





## IG-100(FINE N-100) SYSTEM

- IG-100 Cylinder
  - Cylinder Valve
    - Flared Tee
  - Rubber Tube
  - Flexible Hose
  - Pilot Cylinder
- Pilot Cylinder Valve
  - Needle Valve
- 3-way control valve

## IG-100 Cylinder



A container for storing compressed gas by pressurizing 22.3 Mpa at 21°C Agent quantity is 17.4m<sup>3</sup>.

Manufacturer	DongSung FINETEC Co.,LTD		
Model No.	FTC-84		
Standard	1,720mm		
Charging Pressure	22.3MPa		
Working Pressure	24.0MPa	Test Pressure	40.0MPa
Agent Quantity	17.4m <sup>3</sup>	Agent Weight	20.3kg
Material	34Cr-Mo Steel(KGS AC212 2010)/34Cr-Mo Steel(KS B ISO 9809-1)		

## Cylinder Valve



It is a valve used to control the timing and quantity of gas flow into an engine. It functions with 9 Mpa regulating pressure at 21°C.

Manufacturer	DongSung FINETEC Co.,LTD		
Model	FI-9210		
Test Pressure	49.5MPa		
Working Pressure	29.7Mpa		
Discharging Pressure	9.0MPa		
Material	Brass(KS D 510 C3771)		

## Pilot Cylinder



A Cylinder storing 10.0MPa nitrogen gas. It is activate IG-100 cylinder valve by releasing CO<sub>2</sub> gas from Actuating Device.

Manufacturer	DongSung FINETEC Co.,LTD		
Model No.	FTC-87		
Standard	1,720mm(H) x 279mm(O.D) /1,780mm(H) x 273mm(O.D)		
Charging Pressure	10.0MPa		
Working Pressure	15.0MPa	Test Pressure	25.0MPa
Agent Quantity	8.7m <sup>3</sup>	Agent Weight	10.2kg
Material	Mn-Steel(KS B 6210)		

## Pilot Cylinder Valve



A valve used to release nitrogen gas from Pilot Cylinder by activating Needle valve.

Manufacturer	DongSung FINETEC Co.,LTD		
Model No.	FTV-15		
Valve Type	F-Type valve		
Working pressure	10.0MPa		
Material	Brass(KS D 5101 C3771)		

## Needle Valve



It activates cylinder valve by breaking Burst Disc.

Manufacturer	DongSung FINETEC Co.,LTD
Model No.	FTN-15
Diameter	6A
Working pressure	1.8MPa
Material	Brass(KS D 5101 C3771)

## Flexible Hose



It is located between Cylinder valve and Manifold pipe and comes with check valve which keeps nitrogen gas from flowing backward.

Manufacturer	DongSung FINETEC Co.,LTD
Model No.	FTF-15
Size	15A
Length	450mm
Working pressure	10.0MPa
Test pressure	15.0MPa
Material	Stainless Steel(KS D 3706 STS 304)

## 3-way control valve



It uses to release quantity of fire extinguishing agent cylinder to cover Enclosure and controls nitrogen gas flow.

Manufacturer	DongSung FINETEC Co.,LTD
Model No.	FIC-9210
Diameter	6A
Working Pressure	10.0MPa
Test Pressure	15.0MPa
Material	Brass(KS D 5101 C3771)

## Rubber Tube



A tube made of rubber. It can substitute copper tube.

Manufacturer	DongSung FINETEC Co.,LTD
Model No.	FTRT-6
Size	6A
Material	Brass(KS D 5101 C3771) & Rubber