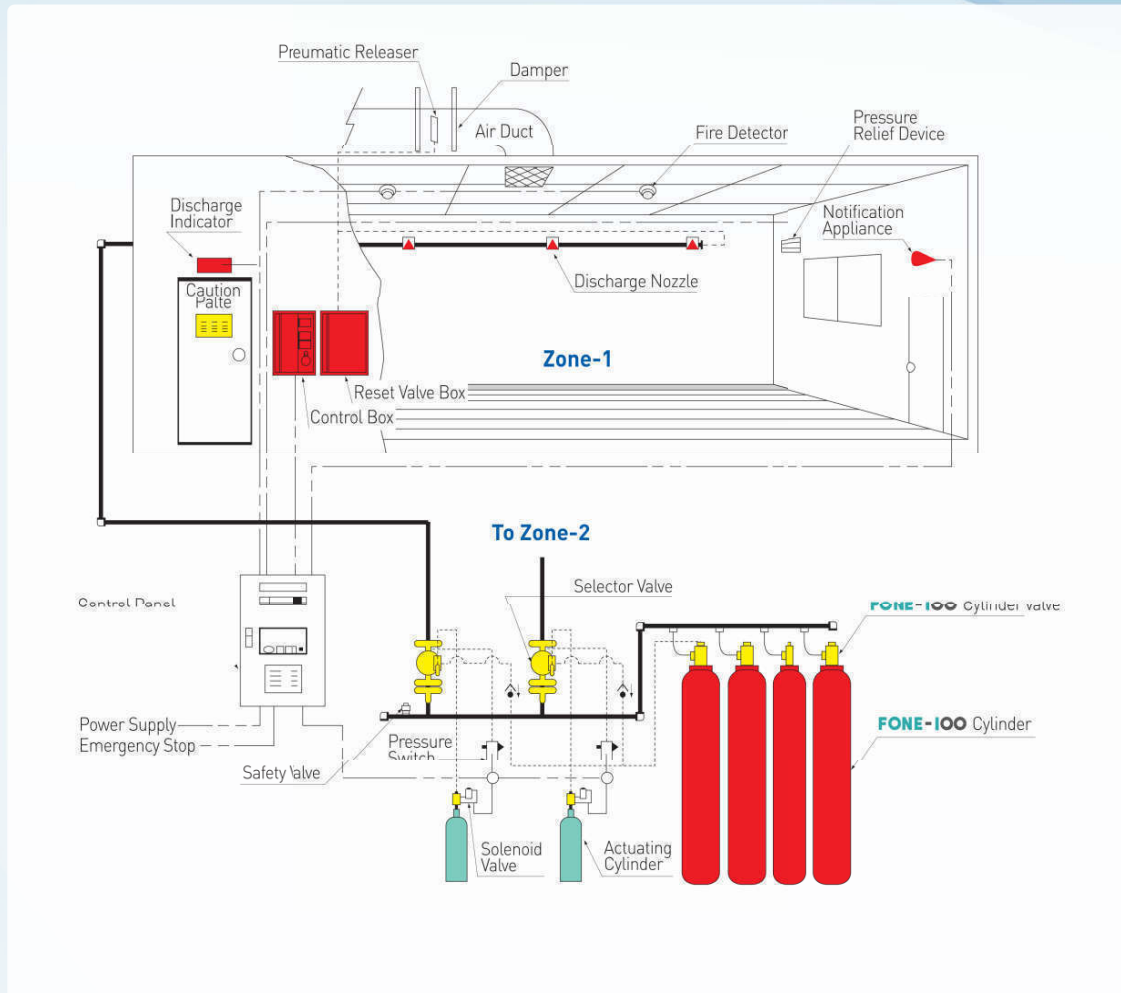


*The Pride of Korean
Gas Fire Fighting facilities.*

Material authorization document



FONE-100 System Configuration



Operation Flow Chart





IG-100 (FONE-100) SYSTEM

- IG-100 Cylinder
 - Cylinder Valve
 - Flared Tee
- Pilot Flexible Tube
- Flexible Hose W/Check
 - Pneumatic Actuator
- Manual/Pneumatic Actuator
 - Electromagnetic Actuators
- Discharge Pressure Regulator

IG-100 Cylinder



A container for storing compressed gas by pressurizing 20.0~30.0 Mpa at 21°C Agent quantity is 17.19m³.

Manufacturer	L&P Co.,LTD		
Model No.	F100-CYL-84		
Standard	1,720mm		
Charging Pressure	20.0 ~ 30.0 MPa		
Working Pressure	30.0MPa	Test Pressure	45.0MPa
Agent Quantity	17.19 m ³	Agent Weight	21.5kg
Material	34Cr-Mo Steel(KGS AC212 2010)/34Cr-Mo Steel(KS B ISO9809-1)		

Pressure Gauge



Pressure gauge to measure and display cylinder pressure to confirm the fire safety system is properly charged and ready, pressure range 200bar / 280bar / 300bar.

Manufacturer	L&P Co.,LTD		
Model No.	F100-PG-01		
Gauge connection	M10x1		
Gauge Face	0 ~ 360 bar		
Certification	CE		
Ingress protection	IP 65		
Material	Steel		

Pneumatic Actuator



Single-piston pneumatic release device 20 BAR — used in fixed installation fire systems, 20 bar actuation force.

Manufacturer	L&P Co.,LTD		
Model No.	F100-AC-01		
Size	50A		
Height	50mm		
Max. pressure	30.0MPa		
Actuation force/ pressure	20.0MPa		
Material	Brass		

Manual/Pneumatic Actuator



Double-piston manual/pneumatic actuator for fire cylinder valves — used in fixed installation fire systems.

Manufacturer	L&P Co.,LTD		
Model No.	F100-AC-02		
Size	50A		
Height	136.5mm		
Max. pressure	30.0MPa		
Actuation force/ pressure	<150N / 20.0MPa		
Material	Brass		

❖ Electromagnetic Actuators



Electromagnetic release device for fire cylinder valves — used in fixed installation fire systems.

Manufacturer	L&P Co.,LTD
Model No.	F100-AC-03
Size	65A
Height	135mm
Nominal voltage	24 VDC
Nominal current	0.5A
Material	Brass

❖ Manual Release Device



Manual release device for IG-100 (N2)— used in fixed installation fire systems.

Manufacturer	L&P Co.,LTD
Model No.	F100-AC-04
Size	50A
Working pressure	34.0Mpa
Outlet connection	G 1/8"
Inlet connection	M 42 x 1,5
Material	Brass

❖ Flexible Hose



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

Manufacturer	L&P Co.,LTD
Model No.	F100-004-01
Size	25A
Length	400mm ~ 450mm
Working pressure	35.0MPa
Burst Pressure	140.0 Mpa
Material	Synthetic rubber oil resistant

❖ Rubber Tube



Hose to connect a master valve or pneumatic actuator with another pneumatic actuator — used in fixed installation fire systems.

Manufacturer	L&P Co., LTD
Model No.	F100-FT-01
Diameter	4A
Working Pressure	40.0MPa
Burst Pressure	160.0MPa
Material	Synthetic rubber oil resistant

❖ Safety Valve For 200bar



Safety device to prevent over pressure during discharge.

Manufacturer	L&P Co.,LTD		
Model No.	F100-SV-01		
Size	15A		
Height	100mm		
Connection	G 1/2"		
Relief pressure	66 bar at 20 °C		
Material	Brass		

❖ Discharge Pressure Regulator



Pressure regulator to create a constant discharge flow in 200/300 bar inert gas fire protection systems.

Manufacturer	L&P Co., LTD		
Model No.	F100-RF-01		
Maximum Pressure	36.0MPa		
Inlet Pressure	30.0MPa		
Inlet connection	W 21,8 x 1/14" DIN 477		
Material	Brass		

❖ Pilot Cylinder 10.2L



It is a gas discharge trigger tank, charged with 100bar pressure. For fire extinguishing system FM200, HFC-125, IG-100, Novec1230 or CO2.

Manufacturer	L&P Co.,LTD		
Model No.	F100-CYL-10		
Standard	1,720mm		
Charging Pressure	100 bar		
Working Pressure	10.0MPa	Test Pressure	30.0MPa
Agent Quantity		Agent Weight	16.6kg
Material	34Cr-Mo Steel(KGS AC212 2010)/34Cr-Mo Steel(KS B ISO 9809-1)		

❖ Pilot Cylinder 16L



It is a gas discharge trigger tank, charged with 100bar pressure. For fire extinguishing system FM200, HFC-125, IG-100, Novec1230 or CO2.

Manufacturer	L&P Co.,LTD		
Model No.	F100-CYL-16		
Standard	1,780mm		
Charging Pressure	100 bar		
Working Pressure	10.0MPa	Test Pressure	30.0MPa
Agent Quantity		Agent Weight	22.3kg
Material	34Cr-Mo Steel(KGS AC212 2010)/34Cr-Mo Steel(KS B ISO 9809-1)		



HFC-227e a (FM-200) SYSTEM

- Storage Cylinder
 - Cylinder Valve
- Pressure Gauge
 - Needle Valve
- Flexible Hose

Storage Cylinder



A Mn-Steel container for storing liquefied gas at 25.0 Mpa working pressure. It should be certified by KGS. Extinguishers are pressurized with dry nitrogen up to 42 bar or 50 bar at 21°C

Manufacturer	L&P Co., LTD	
Model No.	F227-CYL-68	F227-CYL-82
Water capacity	67.5ℓ	82.5ℓ
Out Diameter	267mm	279mm
Length	1,567mm	1,717mm
Test Pressure	42~50MPa (42~50bar)	42~50MPa (42~50bar)
Working Pressure	25.0MPa (25bar)	25.0MPa (25bar)
Loading strip (FM-200)	10kg ~ 76kg	40kg ~ 91kg
Net weight (Cylinder)	About 76kg	About 87kg
Material	Mn-Steel (KS B 6210)	Mn-Steel (KS B 6210)

Storage Cylinder



A Mn-Steel container for storing liquefied gas at 25.0 Mpa working pressure. It should be certified by KGS. Extinguishers are pressurized with dry nitrogen up to 42 bar or 50 bar at 21°C

Manufacturer	L&P Co., LTD	
Model No.	F227-CYL-140	F227-CYL-180
Water capacity	140ℓ	180ℓ
Out Diameter	356mm	406mm
Length	1,767mm	1,750mm
Test Pressure	42~50MPa (42~50bar)	42~50MPa (42~50bar)
Working Pressure	25.0MPa (25bar)	25.0MPa (25bar)
Loading strip (FM-200)	70kg ~ 160kg	100kg ~ 209kg
Net weight (Cylinder)	About 130kg	About 175kg
Material	Mn-Steel(KS B 6210)	Mn-Steel(KS B 6210)

Cylinder Valve



A valve used to release fire extinguishing agent.

Manufacturer	L&P Co., LTD
Model No.	F1-25-002-01 / F1-25-002-02
Size	40A / 50A
Test Pressure	24.5MPa (245bar ~ 3553psi)
Working Pressure	14.7MPa (147bar ~ 2132psi)
Safer disc burst Pressure	7.8~9.4MPa
Material	Brass(KS D 5101 C3771)

Pressure Gauge



Pressure gauge for indicating and monitoring the pressure in tanks and for signalling leaks.

Manufacturer	L&P Co., LTD
Model No.	F227-PG-01
Scale ranges (bar)	25bar / 36bar/ 42bar / 50bar / 55bar / 60bar
Switching current	5 ~ 100 mA
Contact load	Max. 2.4 W
Medium	+ 60 °C
Switch contact	Normally closed (NC)

Needle Valve



It activates cylinder valve by breaking Burst Disc.

Manufacturer	L&P Co., LTD
Model No.	F1-25-003 for the 68L and 82L F1-25-003-01 for the 140L and 180L
Diameter	6A
Working pressure	1.8MPa
Material	Brass (KS D 5101 C3771)

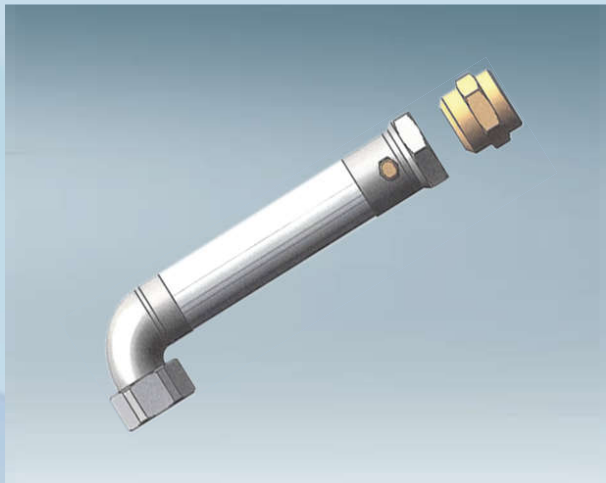
Flexible Hose 40A



A hose to connect between cylinder and manifold to deliver gas agent from cylinder, coming with check valve.

Manufacturer	L&P Co., LTD
Model No.	F1-25-004-01
Diameter	40A
Length	430mm~470mm
Test Pressure	9.7MPa
Material	Stainless Steel (KS D 3706 STS 304)

Flexible Hose 32A



A hose to connect between cylinder and manifold to deliver gas agent from cylinder, For Modular cabinets.

Manufacturer	L&P Co., LTD
Model No.	F1-25-004-02
Diameter	32A
Length	330mm
Test Pressure	9.7MPa
Material	Stainless Steel (KS D 3706 STS 304)

Flexible Hose 50A



A hose to connect between cylinder and manifold to deliver gas agent from cylinder, coming with check valve.

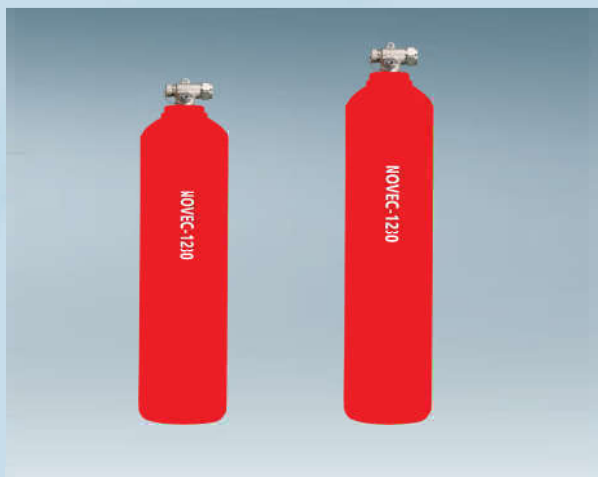
Manufacturer	L&P Co., LTD
Model No.	F1-25-004-03
Diameter	50A
Length	480mm~511mm
Test Pressure	9.7MPa
Material	Stainless Steel (KS D 3706 STS 304)



NOVEC-1230 (FONE-123) SYSTEM

- Storage Cylinder
 - Cylinder Valve
- Pressure Gauge
 - Needle Valve
 - Flexible Hose

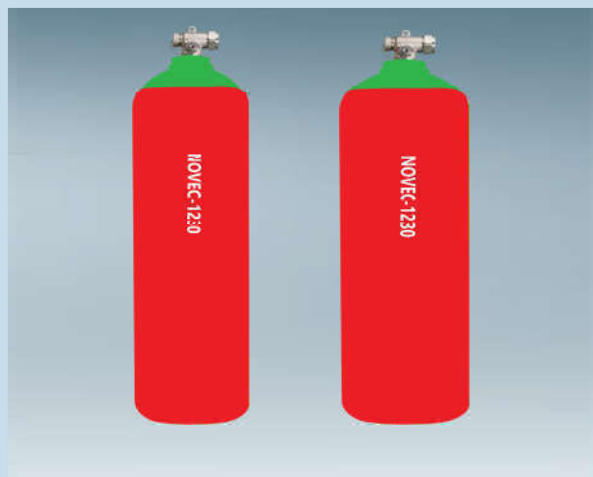
Storage Cylinder



A Mn-Steel container for storing liquefied gas at 25.0 Mpa working pressure. It should be certified by KGS. Extinguishers are pressurized with dry nitrogen up to 42 bar or 50 bar at 21°C

Manufacturer	L&P Co., LTD	
Model No.	F123-CYL-68	F123-CYL-82
Water capacity	67.5ℓ	82.5ℓ
Out Diameter	267mm	279mm
Length	1,567mm	1,717mm
Test Pressure	42~50MPa (42~50bar)	42~50MPa (42~50bar)
Working Pressure	25.0MPa (25bar)	25.0MPa (25bar)
Loading strip(Nove1230)	10kg ~ 65kg	30kg ~ 85kg
Net weight(Cylinder)	About 76kg	About 87kg
Material	Mn-Steel (KS B 6210)	Mn-Steel (KS B 6210)

Storage Cylinder



A Mn-Steel container for storing liquefied gas at 25.0 Mpa working pressure. It should be certified by KGS. Extinguishers are pressurized with dry nitrogen up to 42 bar or 50 bar at 21°C

Manufacturer	L&P Co., LTD	
Model No.	F123-CYL-140	F123-CYL-180
Water capacity	140ℓ	180ℓ
Out Diameter	356mm	406mm
Length	1,767mm	1,750mm
Test Pressure	42~50MPa (42~50bar)	42~50MPa (42~50bar)
Working Pressure	25.0MPa (25bar)	25.0MPa (25bar)
Loading strip(Nove1230)	67kg ~ 156.8kg	90kg ~ 185kg
Net weight(Cylinder)	About 130kg	About 175kg
Material	Mn-Steel(KS B 6210)	Mn-Steel(KS B 6210)

Cylinder Valve



A valve used to release fire extinguishing agent.

Manufacturer	L&P Co., LTD
Model No.	F1-25-002-01 / F1-25-002-02
Size	40A / 50A
Test Pressure	24.5MPa (245bar ~ 3553psi)
Working Pressure	14.7MPa (147bar ~ 2132psi)
Safer disc burst Pressure	7.8~9.4MPa
Material	Brass(KS D 5101 C3771)

Pressure Gauge



Pressure gauge for indicating and monitoring the pressure in tanks and for signalling leaks.

Manufacturer	L&P Co., LTD
Model No.	F227-PG-01
Scale ranges (bar)	25bar / 36bar/ 42bar / 50bar / 55bar / 60bar
Switching current	5 ~ 100 mA
Contact load	Max. 2.4 W
Medium	+ 60 °C
Switch contact	Normally closed (NC)

Needle Valve



It activates cylinder valve by breaking Burst Disc.

Manufacturer	L&P Co., LTD
Model No.	F1-25-003 for the 68L and 82L F1-25-003-01 for the 140L and 180L
Diameter	6A
Working pressure	1.8MPa
Material	Brass (KS D 5101 C3771)

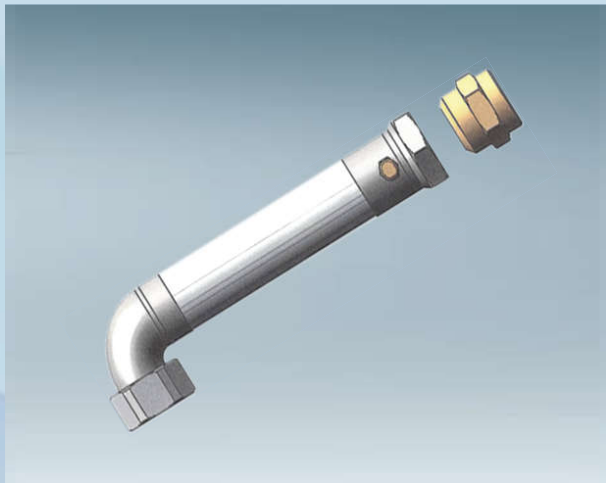
Flexible Hose 40A



A hose to connect between cylinder and manifold to deliver gas agent from cylinder, coming with check valve.

Manufacturer	L&P Co., LTD
Model No.	F1-25-004-01
Diameter	40A
Length	430mm~470mm
Test Pressure	9.7MPa
Material	Stainless Steel (KS D 3706 STS 304)

Flexible Hose 32A



A hose to connect between cylinder and manifold to deliver gas agent from cylinder, For Modular cabinets.

Manufacturer	L&P Co., LTD
Model No.	F1-25-004-02
Diameter	32A
Length	330mm
Test Pressure	9.7MPa
Material	Stainless Steel (KS D 3706 STS 304)

Flexible Hose 50A



A hose to connect between cylinder and manifold to deliver gas agent from cylinder, coming with check valve.

Manufacturer	L&P Co., LTD
Model No.	F1-25-004-03
Diameter	50A
Length	480mm~511mm
Test Pressure	9.7MPa
Material	Stainless Steel (KS D 3706 STS 304)



HFC-125 (FONE-25) SYSTEM

- Storage Cylinder
 - Cylinder Valve
- Pressure Gauge
 - Needle Valve
 - Flexible Hose

Storage Cylinder



A Mn-Steel container for storing liquefied gas at 25.0 Mpa working pressure. It should be certified by KGS. Extinguishers are pressurized with dry nitrogen up to 42 bar or 50 bar at 21°C

Manufacturer	L&P Co., LTD	
Model No.	F125-CYL-68	F125-CYL-82
Water capacity	67.5ℓ	82.5ℓ
Out Diameter	267mm	279mm
Length	1,567mm	1,717mm
Test Pressure	42~50MPa (42~50bar)	42~50MPa (42~50bar)
Working Pressure	25.0MPa (25bar)	25.0MPa (25bar)
Loading strip (HFC-125)	10kg ~ 55kg	30kg ~ 75kg
Net weight(Cylinder)	About 76kg	About 87kg
Material	Mn-Steel (KS B 6210)	Mn-Steel (KS B 6210)

Storage Cylinder



A Mn-Steel container for storing liquefied gas at 25.0 Mpa working pressure. It should be certified by KGS. Extinguishers are pressurized with dry nitrogen up to 42 bar or 50 bar at 21°C

Manufacturer	L&P Co., LTD	
Model No.	F125-CYL-140	F125-CYL-180
Water capacity	140ℓ	180ℓ
Out Diameter	356mm	406mm
Length	1,767mm	1,750mm
Test Pressure	42~50MPa (42~50bar)	42~50MPa (42~50bar)
Working Pressure	25.0MPa (25bar)	25.0MPa (25bar)
Loading strip (HFC-125)	60kg ~ 125kg	90kg ~ 155kg
Net weight(Cylinder)	About 130kg	About 175kg
Material	Mn-Steel(KS B 6210)	Mn-Steel(KS B 6210)

Cylinder Valve



A valve used to release fire extinguishing agent.

Manufacturer	L&P Co., LTD
Model No.	F1-25-002-01 / F1-25-002-02
Size	40A / 50A
Test Pressure	24.5MPa (245bar ~ 3553psi)
Working Pressure	14.7MPa (147bar ~ 2132psi)
Safer disc burst Pressure	7.8~9.4MPa
Material	Brass(KS D 5101 C3771)

Pressure Gauge



Pressure gauge for indicating and monitoring the pressure in tanks and for signalling leaks.

Manufacturer	L&P Co., LTD
Model No.	F227-PG-01
Scale ranges (bar)	25bar / 36bar/ 42bar / 50bar / 55bar / 60bar
Switching current	5 ~ 100 mA
Contact load	Max. 2.4 W
Medium	+ 60 °C
Switch contact	Normally closed (NC)



CO₂ (FONE-C02) SYSTEM

- Cylinder
- Cylinder Valve
- Flexible Hose
- Needle Valve

Cylinder



A cylinder for storing CO₂ gas at 15.0 Mpa working pressure.

Manufacturer	L&P Co., LTD	
Model No.	FCO2-CYL-68	FCO2-CYL-87
Water capacity	68ℓ	87ℓ
Diameter	267mm	280mm
Length	1,500mm	1,720mm
Test Pressure	25.0MPa	25.0MPa
Working Pressure	15.0MPa	15.0MPa
Color	Blue	Blue
Weight(Cylinder)	About 75kg	About 97kg
Material	Mn-Steel (KS B 6210)	Mn-Steel (KS B 6210)

Cylinder Valve



A valve used to release fire extinguishing agent.

Manufacturer	L&P Co., LTD
Model No.	F-CO2-15
Size	20mm
Test Pressure	24.5MPa
Working Pressure	14.7MPa
Safety disc burst pressure	17.7~24.5Pa
Material	Brass (KS D 5101 C3771)

Flexible Hose



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

Manufacturer	L&P Co., LTD
Model No.	F1-25-004-450
Diameter	15A
Length	450mm
Test pressure	15.0MPa
Material	Stainless Steel (KS D 3706 STS 304)

Needle Valve



It activates cylinder valve by breaking Burst Disc.

Manufacturer	L&P Co., LTD
Model No.	F1-25-004-15
Diameter	6A
Working pressure	1.8MPa
Material	Brass (KS D 5101 C3771)



FS-27S / FS-25S **Gas Fire Extinguishing Unit for TPS, EPS**

- Storage Cylinder FM-200
- Storage Cylinder HFC-125
- Pressure Switch

Storage Cylinder



The system is designed specifically for electrical engineering rooms, electrical engineering axes, small areas.

Manufacturer	L&P Co., LTD	
Model No.	FS-275-XXXX	FS-255-XXXX
Water capacity	4.6ℓ	4.6ℓ
Activation type	Automatic by 68°C heat	Automatic by 68°C heat
Air discharge time	<10s	<10s
Test Pressure	42.0MPa (42bar)	42.0MPa (42bar)
Working Pressure	25.0MPa (25bar)	25.0MPa (25bar)
Color	Red	Red
Load range	2kg ~ 6kg (FM-200)	2kg ~ 4kg (HFC-125)
Material	Mn-Steel (KS B 6210)	Mn-Steel (KS B 6210)

Storage Cylinder



The system is designed specifically for electrical engineering rooms, electrical engineering axes, small areas.

Manufacturer	L&P Co., LTD	
Model No.	FS-275-XXXX	FS-255-XXXX
Water capacity	14ℓ	14ℓ
Activation type	Automatic by 68°C heat	Automatic by 68°C heat
Length	<10s	<10s
Test Pressure	42.0MPa (42bar)	42.0MPa (42bar)
Working Pressure	25.0MPa (25bar)	25.0MPa (25bar)
Color	Red	Red
Load range	7kg ~ 16kg (FM-200)	5kg ~ 10kg (HFC-125)
Material	Mn-Steel (KS B 6210)	Mn-Steel (KS B 6210)

Storage Cylinder



The system is designed specifically for electrical engineering rooms, electrical engineering axes, small areas.

Manufacturer	L&P Co., LTD	
Model No.	FS-275-XXXX	FS-255-XXXX
Water capacity	20ℓ	20ℓ
Activation type	Automatic by 68°C heat	Automatic by 68°C heat
Length	<10s	<10s
Test Pressure	42.0MPa (42bar)	42.0MPa (42bar)
Working Pressure	25.0MPa (25bar)	25.0MPa (25bar)
Color	Red	Red
Load range	10kg ~ 23kg (FM-200)	8kg ~ 16kg (HFC-125)
Material	Mn-Steel (KS B 6210)	Mn-Steel (KS B 6210)

Pressure switch



A device to turn on the discharge Lamp, it is activated by outlet gas pressure

Manufacturer	L&P Co., LTD	
Model No.	DY-PS-01 / DY-PS-02	
Operating Voltage	DC-24V	
Rated Current	5A	
Dimension	67mm(W) x 28mm(D) x 62mm(H)	
Color	Black	
Operating	5-100 kg/Cm2	



Others

- Selection Valve
- Discharge Nozzle
 - Safety valve
 - Check Valve
 - Relief Valve
- Actuating Device
 - Solenoid Valve
- Modular Control Panel
 - Discharge Lamp
 - Pressure Switch
- Bush Button Activate/ Pause

❖ Selection Valve



A valve discharges gas agent selectively to where it is needed if you need to make single manifold with more than two Enclosure.

Manufacturer	L&P Co., LTD
Model No.	F1-25-005-25~150
Working Pressure	11.0MPa
Test Pressure	16.5Mpa
Leak Test	13.2MPa
Method of Operation	Pneumatic Type /LaverType
Material	Stainless Steel Casting(KS D 4103 SSC13A)

❖ Selection Valve



A valve discharges gas agent selectively to where it is needed if you need to make single manifold with more than two Enclosure.

Manufacturer	L&P Co., LTD
Model No.	F1-25-005-S25~S150
Working Pressure	8.0MPa
Test Pressure	12.0Mpa
Leak Test	9.6MPa
Method of Operation	Electrical signal 24 VDC
Material	Stainless Steel Casting(KS D 4103 SSC13A)

❖ Discharge Nozzle



A Nozzle to discharge gas agent to End ouse effectively, making agent quantity and timing on time.

Manufacturer	L&P Co., LTD
Model No.	F1-25-007-F15~F50 Type 360 F1-25-007-S15~S50 Type 180 (for FM-200, HFC-125, IG-100 system exclusively)
Size	15A~50A
Material	Aluminium(KS D 6763 A6061) / Brass(KS D 5101 C3604)

❖ Safety valve



A valve which automatically releases gas agent when the pressure exceeds pre set limits. It prevents manifold broke down.

Manufacturer	L&P Co., LTD	
Model No.	F1-25-009	F1-25-009
Size	20A	15A
Working pressure	9.0MPa	6~8 Mpa
Material	Brass (KS D 5101 C3604)	Brass (KS D 5101 C3604)

• Check Valve



A check valve which keeps CO₂, N₂ from flowing backward.

Manufacturer	L&P Co., LTD
Model No.	F1-25-010
Diameter	6A or 8A
Leak Test	6.5MPa
Hydraulic Test	9.8MPa
Material	Brass(KS D 5101 C3604)

• Relief Valve



A valve used to control gas agent discharge mistakenly when CO₂, N₂ cylinder leaks.

Manufacturer	L&P Co., LTD
Model No.	F1-25-008
Diameter	6A or 8A
Working Pressure	0.1~0.3MPa
Material	Brass(KS D 5101 C3604)

• Actuating Device



Activating device to release high pressured gas from CO₂ cylinder by using solenoid valve. The discharged gas opens selection valve and cylinder valve.

Manufacturer	L&P Co., LTD
Model No.	F1-25-006 (CO ₂)
Standard	0.65kg/1L, DC-24V
Dimension	320mm(W) x 125mm(D) x 410mm(H)
Material	SSC 13A
accessories and parts	Actuating cylinder, Pressure switch, Solenoid valve

• Actuating Device



Activating device to release high pressured gas from N₂ cylinder by using solenoid valve. The discharged gas opens selection valve and cylinder valve.

Manufacturer	L&P Co., LTD
Model No.	F1-25-006 (N ₂)
Standard	5.1L/100Bar, DC-24V
Dimension	350mm(W) x 180mm(D) x 620mm(H)
Material	SSC 13A
accessories and parts	Actuating cylinder, Pressure switch, Solenoid valve

❖ Solenoid Valve



It is an electromechanically operated valve. It activates CO₂, N₂ cylinder valve in actuating device.

Manufacturer	L&P Co., LTD
Model No.	DY-6A-01
Dimension	135mm(W) x 25mm(D) x 103mm(H)
Operating Voltage	DC-24V
Rated Current	1.5A

❖ Discharge Lamp



Lamp to indicate danger of enclosure when gas agent discharged.

Manufacturer	Dongshin Fire Co., LTD
Model No.	DS-DLX21
Operating Voltage	DC-24V
Dimension	272mm(W) x 45mm(D) x 94mm(H)
Rated Current	120mA
Color	Pale yellow

❖ Discharge Lamp



Lamp to indicate danger of enclosure when gas agent discharged (Waterproof type).

Manufacturer	Dongshin Fire Co., LTD
Model No.	DS-DLX22
Operating Voltage	DC-24V
Dimension	300mm(W) x 60mm(D) x 120mm(H)
Rated Current	120mA
Color	Red

❖ Modular Control Panel



It controls a manual operation box, smoke & heat detectors, Siren, Solenoid valve and so on.

Manufacturer	Dongshin Fire Co., LTD
Model No.	DS-CP-3E / DSCP-3
Dimension	250mm(W) x 85mm(D) x 360mm(H)
Circuit Specification	Single
Rated Current	AC220V/60Hz

Push Button Activate/ Pause



A firearms term describing any type of firearm action that is loaded one shot at a time by the user rather than automatically. Located near main door to discharge gas agent manually.

Manufacturer	Dongshin Fire Co.,LTD
Model No.	DMB-1 / DMB-1A
Dimension	170mm(W) x 60mm(D) x 185mm(H)
Operating Voltage	DC -24V
Color	Pale yellow

Modular Package 1BT



Modular FM200, HFC-125 or Novec1230 gas cylinder box set. Type for 1 gas cylinder.

Manufacturer	L&P Co., LTD
Model No.	F227-MD-02
Dimension	450mm(W) x 430mm(D) x 1900mm(H) Type 67.5L 450mm(W) x 430mm(D) x 2100mm(H) Type 82.5L 500mm(W) x 480mm(D) x 2100mm(H) Type 140L
Type Cylinder	67.6Ltr / 82.5Ltr / 140Ltr
Color	Ivory

Modular Package 2BT



Modular FM200, HFC-125 or Novec1230 gas cylinder box set. Type for 02 gas cylinder.

Manufacturer	L&P Co., LTD
Model No.	F227-MD-02
Dimension	620mm(W) x 430mm(D) x 1900mm(H) Type 67.5L 620mm(W) x 430mm(D) x 2100mm(H) Type 82.5L 670mm(W) x 480mm(D) x 2100mm(H) Type 140L
Type Cylinder	67.6Ltr / 82.5Ltr / 140Ltr
Color	Ivory

Modular Package 3BT



Modular FM200, HFC-125 or Novec1230 gas cylinder box set. Type for 03 gas cylinder.

Manufacturer	L&P Co., LTD
Model No.	F227-MD-03
Dimension	930mm(W) x 430mm(D) x 1900mm(H) Type 67.5L 930mm(W) x 430mm(D) x 2100mm(H) Type 82.5L 1100mm(W) x 480mm(D) x 2100mm(H) Type 140L
Type Cylinder	67.6Ltr / 82.5Ltr / 140Ltr
Color	Ivory

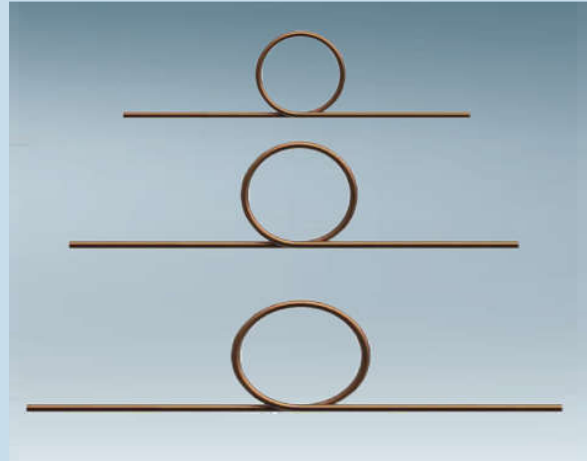
❖ Lock Out Valve (Safety)



Safety valve lock is used in case of emergency, it is necessary to lock the main pipeline of the gas fire extinguishing system. Do not allow the exhaust system to enter the room.

Manufacturer	L&P Co.,LTD		
Model No.	LV - 50 ~ 150		
Size	50A ~ 150A		
Design Pressure	8.0 MPa (80bar)		
Leak Test	9.6MPa (96bar)	Hyd Test	12.0MPa (120bar)
Actuator Air Press	5.5 ~ 10bar	Test Pressure	To KR Law
Material	NACE MR0175		

❖ Copper Tube



Copper tubing is used to direct the flow of the drive fluid to the pneumatic actuators. These devices include a selector valve actuator, a needle cylinder (discharge valve actuator), and a pressure switch.

Manufacturer	
Model No.	
Dimension	320mm / 420mm / 600mm / 3000mm / 6000mm
Nominal size	6A (1/4")
Min. wall thickness	0.70mm

❖ Cylinder Strap



The cylinder holder can be bolted to a rigid wall or welded to the cylinder assembly support frame.

Manufacturer	AEMechanical JSC
Model No.	
Size of cylinder	68L / 82L / 140L / 180L
Thickness	2mm
Material	Steel CT3
Color	Black

❖ Pressure Relief Damper



Pressure relief dampers for gas fire extinguishing systems and transformer substations. Blades open when the maximum differential pressure is exceeded and close automatically when the pressure drops. Operating temperature 0 to 80 °C

Manufacturer	L&P Co., LTD
Model No.	LP BDD-1 ~ 7
Product dimensions	150mm ~ 700mm
Working pressure	50 ~ 100 pa
Carbon steel	1.5mm ~ 4mm

L&P Co., Ltd will make a standard
not only in Korea, but globally.

Thank you always



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