

UNIQUE FIRE INDUSTRY

PRODUCT CATALOGUE



ADDRESS

No. 9, Jalan Anggerik Mokara 31/55,
Kota Kemuning, Seksyen 31, 40460,
Shah Alam, Selangor, Malaysia

CONTACT

T: +603 5131 1226
E: contactus@uniquefire.com
W: www.uniquefire.com

SCAN ME



UNIQUE FIRE HOLDINGS MILESTONE

1997 - 2013

UNIQUE FIRE INDUSTRY

Assembled our own brand of fire hoses (2000).

Changed our name from UBE to Unique Fire Industry Sdn Bhd ("UFI") and registered the trademarks for Commander and Yama brands fire hoses (2003)



2016

UL APPROVAL

UFI obtained our first international approval, UL certification for our Unique227 brand of HFC fire suppression system

2018

SGP CERT

UFI obtained SGP for our HFC fire suppression systems - Unique227 brand from TNB.

UDI commenced business of distributing custom graphics designed fire extinguishers.

2021

FM APPROVAL

UFI received first FM approvals certification for our Unique227 and Unique5112 brand of fire suppression system.



2022

ACE MARKET

As of 2022, we are proudly listed on the ACE Market of Bursa Malaysia.

NOW

MAIN MARKET

As of 2025, we are proudly listed on the MAIN Market of Bursa Malaysia.

CONTENT

FIRE EXTINGUISHER	5
FILLING SERIES FOR FIRE EXTINGUISHER	13
FIRE HOSE REEL	15
FIRE HYDRANT / WET & DRY RISER SYSTEM	20
FIRE SPRINKLER SYSTEM	27
FIRE DETECTION & ALARM SYSTEM	35
UNIQUE 227 FIRE SUPPRESSION SYSTEM	37
UNIQUE 5112 FIRE SUPPRESSION SYSTEM	59
CARBON DIOXIDE FIRE EXTINGUISHING SYSTEM	80
KIDDE WHDR WET CHEMICAL SYSTEM	94
FIRE BLANKET & SMOKE CURTAIN	100
HOME SAFETY KIT	103
AUTHORISED DISTRIBUTOR	105

FIRE EXTINGUISHER

Fire extinguishers are active fire protection equipment, usually used in emergencies, for extinguishing small fires or for preventing them from spreading. They are generally hand-held cylinders that contain pressurised extinguishing agents which are released to fight a fire.

SCAN ME



FIRE EXTINGUISHER

Portable Dry Powder Fire Extinguisher



9kg

6kg

4kg

2kg

1kg

TECHNICAL DATA					
Model No.	UF - 9	UF - 6	UF - 4	UF - 2	UF - 1
Part No.	FEU - 9D	FEU - 6D	FEU - 4D	FEU - 2D	FEU - 1D
Capacity	9.0 kg	6.0 kg	4.0 kg	2.0 kg	1.0 kg
Type of Extinguishant	ABC Dry Powder				
Type	Stored Pressure				
Pressurised Agent	Nitrogen				
Working Pressure	12 bar (174psi)				
Test Pressure	25 bar (362.5psi)				
Temperature Range	-20°C to 60°C				
Discharge Time (approx.)	20s	18s	14s	12s	7s
Overall Height	560 mm	560 mm	470 mm	378 mm	330mm
Cylinder Diameter	181 mm	157 mm	157 mm	110 mm	79 mm
Approx. Full Weight	13.0 kg	9.4 kg	6.9 kg	3.3 kg	1.9 kg
Body Material	Cold Rolled Steel				
Finishing	Red (RAL 3000)				
Class of Fire	A, B, C, E				
Fire Rating	27A 144B	27A 144B	13A 70B	8A 55B	5A 21B
Manufactured & Approved	MS 1539 PART 1 : 2002				
Throw Range Discharge	3-4 m (approx.)				

All specifications and information indicated in this catalogue are subjected to change without prior notice



SIRIM
Certified To:
MS 1539 PART 1: 2002
Certification No: PU 15303



BOMBA

UNIQUE FIRE INDUSTRY SDN BHD Co. No. 418731-U

Address:

No. 9, Jalan Anggerik Mokara 31/55, Kota Kemuning, Seksyen 31, 40460, Shah Alam, Selangor, Malaysia

Contact:

Tel : +603 5131 1226

E-mail : contactus@uniquefire.com

Website: www.uniquefire.com

SCAN ME



FIRE EXTINGUISHER

Portable Dry Powder Fire Extinguisher (T2)



9kg

TECHNICAL DATA	
Model No.	UF – 9T2
Part No.	FEU-9D-T2
Capacity	9.0 kg
Type of Extinguishant	ABC Dry Powder
Type	Stored Pressure
Pressurised Agent	Nitrogen
Working Pressure	12 bar (174psi)
Test Pressure	25 bar (362.5psi)
Temperature Range	-20°C to 60°C
Discharge Time (approx.)	20s
Overall Height	615 mm
Cylinder Diameter	170 mm
Approx. Full Weight	12.5 kg
Body Material	Mild Steel
Finishing	Red (RAL 3000)
Class of Fire	A, B, C, E
Fire Rating	27A 144B
Manufactured & Approved	MS 1539 PART 1 : 2018
Throw Range Discharge	3-4 m (approx.)

All specifications and information indicated in this catalogue are subjected to change without prior notice.



SIRIM
Certified To:
MS 1539 PART 1: 2002
Certification No: PU 15303



BOMBA

UNIQUE FIRE INDUSTRY SDN BHD Co. No. 418731-U

Address:

No. 9, Jalan Anggerik Mokara 31/55, Kota Kemuning, Seksyen 31, 40460, Shah Alam, Selangor, Malaysia

Contact :

Tel : +603 5131 1226

E-mail : contactus@uniquefire.com

Website: www.uniquefire.com

SCAN ME



FIRE EXTINGUISHER

Trolley Type Dry Powder Fire Extinguisher



25kg

TECHNICAL DATA	
Model No.	UFM25
Part No.	FEUT- 25D
Capacity	25kg
Type of Extinguishant	ABC Dry Powder
Type	Stored Pressure
Propellant	Nitrogen
Working Pressure	15 bar (218 psi)
Test Pressure	30 bar (435 psi)
Temperature Range	-20°C to 60°C
Discharge Time	15s (approx.)
Overall Length	440mm
Overall Width	450mm
Overall Height	960mm
Overall Weight	60 kg
Body Material	CR Steel
Finishing	Red (RAL 3000)
Class of Fire	A, B, C, E
Fire Rating	A 233B C
Throw Range Discharge	5 - 6m (approx.)
Length of Hose	Minimum 6m



50kg

TECHNICAL DATA	
Model No.	UFM50
Part No.	FEUT- 50D
Capacity	50kg
Type of Extinguishant	ABC Dry Powder
Type	Stored Pressure
Propellant	Nitrogen
Working Pressure	15 bar (218 psi)
Test Pressure	30 bar (435 psi)
Temperature Range	- 20°C to 60°C
Discharge Time	30s (approx.)
Overall Length	490mm
Overall Width	500mm
Overall Height	1110mm
Overall Weight	92kg
Body Material	CR Steel
Finishing	Red (RAL 3000)
Class of Fire	A, B, C, E
Fire Rating	A 233B C
Throw Range Discharge	5 - 6m (approx.)
Length of Hose	Minimum 6m

All specifications and information indicated in this catalogue are subjected to change without prior notice.

UNIQUE FIRE INDUSTRY SDN BHD Co. No. 418731-U

Address:

No. 9, Jalan Anggerik Mokara 31/55, Kota Kemuning, Seksyen 31, 40460, Shah Alam, Selangor, Malaysia

Contact :

Tel : +603 5131 1226

E-mail : contactus@uniquefire.com

Website: www.uniquefire.com

SCAN ME



FIRE EXTINGUISHER

Portable Carbon Dioxide Fire Extinguisher



5kg



SIRIM
Certified To:
MS 1539 PART 1: 2002
Certification No: PU 15303



BOMBA

2kg

TECHNICAL DATA		
Model No.	GL 2.0	GL 5.0
Part No.	FEU-2C	FEU-5C
Capacity	2.0kg	5.0kg
Type of Extinguishant	Carbon Dioxide (CO ₂)	
Working Pressure	60 bar (870 psi)	
Test Pressure	250 bar (3625 psi)	300 bar (4350 psi)
Temperature Range	-20°C to 60°C	
Discharge Time (approx.)	6s	9s
Overall Height	525mm	755mm
Overall Diameter	114mm	137mm
Full Weight (approx.)	7.5kg	17kg
Body Material	Carbon Steel	Alloy Steel
Finishing	Red (RAL 3000)	
Class of Fire	B, E	
Fire Rating	21B	55B
Manufactured & Approved	MS 1539:PART 1:2002	
Throw Range Discharge (approx.)	2-3m	3-4m

Trolley Type Carbon Dioxide Fire Extinguisher



45kg

TECHNICAL DATA	
Part No.	CYL-TRO
Manufacture Standard	GB5099-94
Capacity	45kg
Type of Extinguishant	Carbon Dioxide (CO ₂)
Working Pressure	150 bar (2175psi)
Test Pressure	225 bar (3263 psi)
Temperature Range	-20°C to 60°C
Discharge Time (approx.)	30s (approx.)
Empty Weight	75 kg
Body Material	37 Mn Steel
Finishing	Red (RAL 3000)
Class of Fire	B, E
Throw Range Discharge	3-4m (approx.)
CYLINDER ON TROLLEY	
Overall Height	1530 mm
Overall Width	267 mm
Length of Hose	Minimum 6m

All specifications and information indicated in this catalogue are subjected to change without prior notice.

UNIQUE FIRE INDUSTRY SDN BHD Co. No. 418731-U

Address:

No. 9, Jalan Anggerik Mokara 31/55, Kota Kemuning, Seksyen 31, 40460, Shah Alam, Selangor, Malaysia

Contact :

Tel : +603 5131 1226

E-mail : contactus@uniquefire.com

Website: www.uniquefire.com

SCAN ME



FIRE EXTINGUISHER

Trolley Type Foam Fire Extinguisher



45L

TECHNICAL DATA	
Model No.	UFM45F
Part No.	FEUT-45F
Capacity	45L
Type of Extinguishant	3% AFFF Foam
Type	Stored Pressure
Propellant	Nitrogen
Working Pressure	15 bar (218 psi)
Test Pressure	30bar (453 psi)
Temperature Range	5°C to 60°C
Discharge Time	65 - 75s (approx.)
Overall Length	490mm
Overall Width	670mm
Overall Height	1110mm
Approx. Full Weight	85kg
Body Material	CR Steel
Finishing	Red (RAL 3000)
Class of Fire	A, B
Throw Range Discharge	6 - 7m (approx.)
Fire Rating	A233B
Length of Hose	Minimum 6m

All specifications and information indicated in this catalogue are subjected to change without prior notice.

UNIQUE FIRE INDUSTRY SDN BHD Co. No. 418731-U

Address:

No. 9, Jalan Anggerik Mokara 31/55, Kota Kemuning, Seksyen 31, 40460, Shah Alam, Selangor, Malaysia

Contact :

Tel : +603 5131 1226

E-mail : contactus@uniquefire.com

Website: www.uniquefire.com

SCAN ME



pg 10

FIRE EXTINGUISHER

Indoor Fire Extinguisher Cabinet



TECHNICAL DATA		
Model	6kg / 9kg Dry Powder / 2kg CO ₂	
Part No.	CAB-FEI	CAB-FEI-T2
Dimension (mm)	280(W) x 255(D) x 710 (H)	280 (W) x700 (H) x 240 (D)
Installation	Wall Mounted	
Material	Mild Steel	
Thickness	0.9 mm	0.6 mm
Finishing	Epoxy Powder Red	

* Stainless steel material available on request

Outdoor Fire Extinguisher Cabinet



TECHNICAL DATA		
Model	9kg Dry Powder	2kg CO ₂
Part No.	CAB-FEO	CAB-FEO
Dimension (mm)	280(W) x 280(D) x 740(H)	
Installation	Wall Mounted	
Material	Mild Steel	
Thickness	0.9 mm	
Finishing	Epoxy Powder Red	

* Stainless steel material available on request

All specifications and information indicated in this catalogue are subjected to change without prior notice.

UNIQUE FIRE INDUSTRY SDN BHD Co. No. 418731-U

Address:

No. 9, Jalan Anggerik Mokara 31/55, Kota Kemuning, Seksyen 31, 40460, Shah Alam, Selangor, Malaysia

Contact :

Tel : +603 5131 1226

E-mail : contactus@uniquefire.com

Website: www.uniquefire.com

SCAN ME



pg 11

FIRE EXTINGUISHER

Fire Extinguisher Stand



TECHNICAL DATA		
Model No.	UF - 1	UF - 2
Part No.	FEU-STD-1D	FEU-STD-2D
Capacity	1.0 kg	2.0 kg
Dimension	235 (L) x 195 (D) x 480 (H)	
Material	Mild Steel	

* For vehicle use only

Fire Extinguisher Stand"



TECHNICAL DATA			
Model No.	UF - 4	UF - 6	UF - 9
Part No.	FEU-STD-4D/6D	FEU-STD-4D/6D	FEU-STD-9D
Capacity	4.0 kg	6.0 kg	9.0 kg
Dimension	310 (L) x 340 (D) x 705 (H)		
Material	Mild Steel		

* For commercial use only

All specifications and information indicated in this catalogue are subjected to change without prior notice.

UNIQUE FIRE INDUSTRY SDN BHD Co. No. 418731-U

Address:

No. 9, Jalan Anggerik Mokara 31/55, Kota Kemuning, Seksyen 31, 40460, Shah Alam, Selangor, Malaysia

Contact :

Tel : +603 5131 1226

E-mail : contactus@uniquefire.com

Website: www.uniquefire.com

SCAN ME



pg 12

REFILLING MACHINE

All types of fire extinguishers should be regularly inspected to ensure that they will function when required. The inspection includes noting any signs of damage or corrosion, changes in pressure and weight of cylinders.

During a service inspection, the dry powder inside the fire extinguisher is discharged into the powder suction machine. The dry powder refilling machine discards the powder if it is found to be caked or lumped and the fire extinguisher is refilled with powder that is in good condition according to the weight stated. The appropriate pressure is applied and a leakage test is conducted. All operation components of the extinguisher are also thoroughly inspected and cleaned before re-assembly.

SCAN ME



FILLING SERIES FOR FIRE EXTINGUISHER

UNIQUE Dry Powder Refilling Machine



UNIQUE Dry Powder Refilling Machine is designed for filling various sizes of portable dry powder fire extinguishers. It consists of a powder tank, suction pump, motor and filter.



UNIQUE Dry Powder Refilling Machine is rigidly constructed to provide stability while refilling cylinders as well as convenient portability when required. The set of two heavy-duty wheels at the back of the base platform allows the machine and cylinders to be easily moved to and parked at another location.

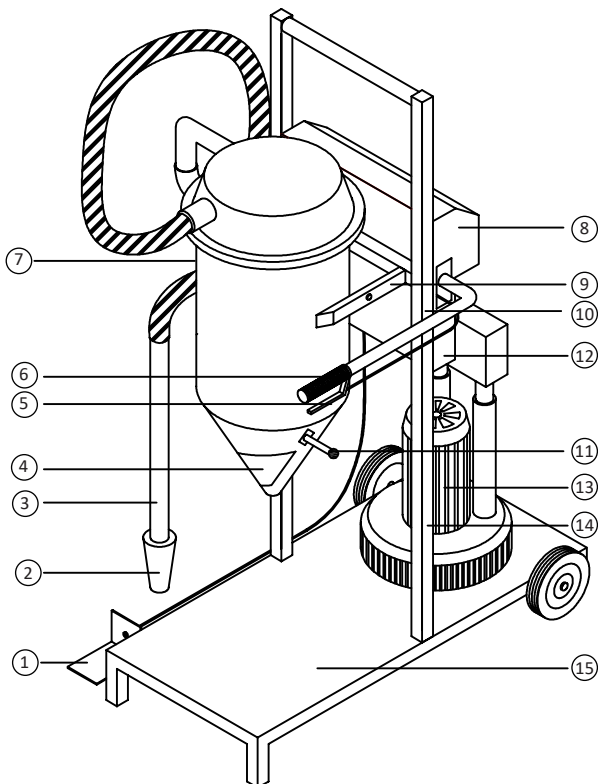
Features

Simple to operate. No complicated instructions.

Convenient. Easy to move machine around.

Extendable. Adjustable machine height to fit cylinder size.

Direct recycling of powder. No pollution of surrounding area.



TECHNICAL DATA	
Part No.	FEU-RMP
Filling Speed	3kg/ min (approx.)
Suitable Caliber	20 mm - 80 mm
Power	0.7kW, 220V
Shuttle Weight	80kg
Size (mm)	550 (W) x 850 (D) x 1230 (H)

Components:

1. Foot Board Reversing Valve
2. Suction Tube Bracket
3. Suction Tube
4. Powder Holder Window
5. Descend Brake Crank
6. Rise Handle
7. Powder Holder
8. Electrical Cabinet
9. Front & Back Adjustable Fixing Bolts
10. Upper Bracket
11. Reversing Valve
12. Feed Opening Valve Switch
13. Electrical Pump
14. Rise-and-Fall Spring Fixed Pin
15. Base of the whole Machine

UNIQUE FIRE INDUSTRY SDN BHD Co. No. 418731-U

Address:

No. 9, Jalan Anggerik Mokara 31/55, Kota Kemuning, Seksyen 31, 40460, Shah Alam, Selangor, Malaysia

Contact :

Tel : +603 5131 1226

E-mail : contactus@uniquefire.com

Website: www.uniquefire.com

SCAN ME



FIRE HOSE REEL

A Fire Hose Reel is designed to carry and manage a heavy, high-pressure fire hose, keeping it ready and in good condition as a conduit for water in case a fire occurs. The circular reel drum also makes it easy to reel out the fire hose for use in a fire, and to reel it in for storage.

SCAN ME



UNIQUE Fire Hose Reel

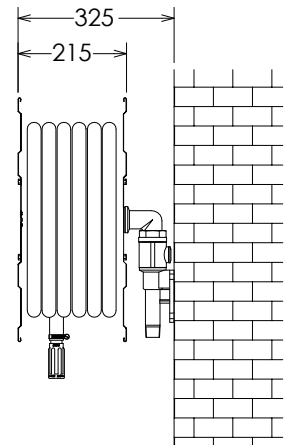
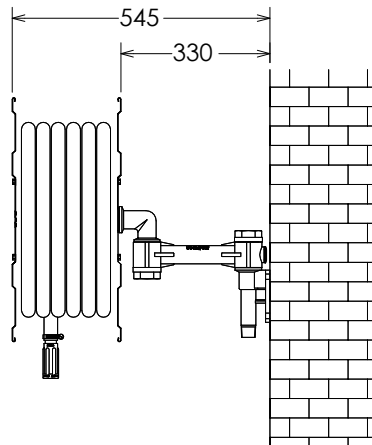
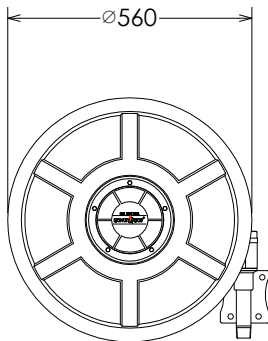
Fire Hose Reel 22"



SIRIM
Certified To:
MS1447 : PART 1 : 2006
Certification No : PC001032



BOMBA



TECHNICAL DATA

Part No.	HRU-DR-25 (Drum) HRU-HO-25 (Hose) HRU-NOZ-NY-25 (Nylon Nozzle) HRU-NOZ-AB-25 (ABS Brass Nozzle) HRU-NOZ-BR-25 (Chrome Nozzle) HRU-CL-25 (Clip)
Drum Size	560 mm(22")
Type	Swing Manual
Finishing	Epoxy Powder Red
Hose Diameter	25 mm
Hose Length	30 m
Working Pressure	12 bar (174psi)
Test Pressure	20 bar (290psi)
Nozzle Type	Jet / Spray / Shut-Off
Nozzle Size	25 mm

All specifications and information indicated in this catalogue are subjected to change without prior notice.

UNIQUE FIRE INDUSTRY SDN BHD Co. No. 418731-U

Address:

No. 9, Jalan Anggerik Mokara 31/55, Kota Kemuning, Seksyen 31, 40460, Shah Alam, Selangor, Malaysia

Contact :

Tel : +603 5131 1226

E-mail : contactus@uniquefire.com

Website: www.uniquefire.com

SCAN ME



UNIQUE Fire Hose Reel

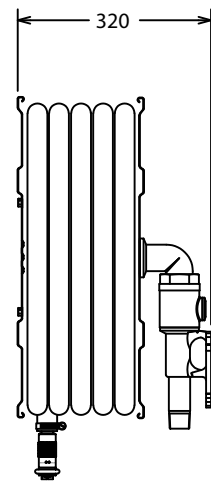
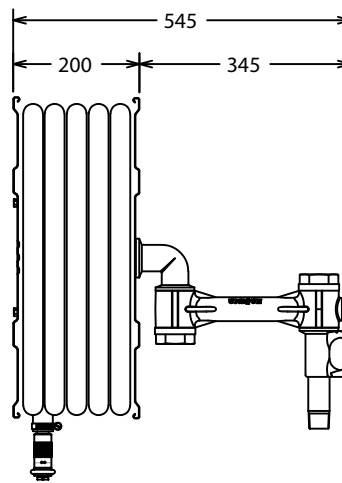
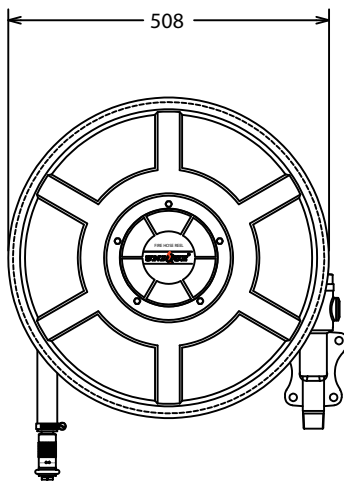
Fire Hose Reel 20"



SIRIM
Certified To:
MS1447 : PART 1 : 2006
Certification No : PC001032



BOMBA



TECHNICAL DATA

Part No.	HRU-DR-25-T2 (Drum) HRU-HO-25 (Hose) HRU-NOZ-NY-25 (Nylon Nozzle) HRU-NOZ-AB-25 (ABS Brass Nozzle) HRU-NOZ-BR-25 (Chrome Nozzle) HRU-CL-25 (Clip)
Drum Size	508 mm (20")
Type	Swing Manual
Finishing	Epoxy Powder Red
Hose Diameter	25 mm
Hose Length	30 m
Working Pressure	12 bar (174psi)
Test Pressure	20 bar (290psi)
Nozzle Type	Jet / Spray / Shut-Off
Nozzle Size	25 mm

All specifications and information indicated in this catalogue are subjected to change without prior notice.

UNIQUE FIRE INDUSTRY SDN BHD Co. No. 418731-U

Address:

No. 9, Jalan Anggerik Mokara 31/55, Kota Kemuning, Seksyen 31, 40460, Shah Alam, Selangor, Malaysia

Contact :

Tel : +603 5131 1226

E-mail : contactus@uniquefire.com

Website: www.uniquefire.com

SCAN ME



UNIQUE Fire Hose Reel

Fire Hose Reel Drum



TECHNICAL DATA		
Part No.	HRU-DR-25	HRU-DR-25-T2
Diameter	560 mm(22")	508 mm(20")
Type	Swing Manual	
Material	Cold Roll Steel	
Finishing	Epoxy Powder Red	

Fire Hose Reel Hose



TECHNICAL DATA	
Part No.	HRU-HO-25
Size	25 mm
Length	30 m
Working Pressure	12 bar (174psi)
Test Pressure	18 bar (261psi)
Material	PVC Semi Rigid
Finishing	Black
Standard	Comply to EN 694

Fire Hose Reel Nozzle



Nylon

Chrome
Brass

ABS
Brass

TECHNICAL DATA			
Part No.	HRU-NOZ-NY-25	HRU-NOZ-BR-25	HRU-NOZ-AB-25
Material	Nylon	Chrome Brass	ABS Brass
Type	Jet / Spray / Shut-Off		
Finishing	Red	Chrome	Plated
Spray Range	10m (approx.)		
Flow Rate @ 2.0 bar	33 L/min	26.6 L/min	35.7 L/min
Throw Range	13.5 m	10.8 m	11.2 m

All specifications and information indicated in this catalogue are subjected to change without prior notice.

UNIQUE FIRE INDUSTRY SDN BHD Co. No. 418731-U

Address:

No. 9, Jalan Anggerik Mokara 31/55, Kota Kemuning, Seksyen 31, 40460, Shah Alam, Selangor, Malaysia

Contact :

Tel : +603 5131 1226

E-mail : contactus@uniquefire.com

Website: www.uniquefire.com

SCAN ME



pg 18

UNIQUE Fire Hose Reel

Fire Hose Reel Nozzle Box



TECHNICAL DATA		
Part No.	CAB-NB	CAB-NB-NY
Size	Chrome Brass & ABS Brass	Nylon
Size	120mm (W) x 120mm (H) x 60mm (D)	
Type	Wall Mounted	
Material	Aluminium	
Thickness	2.5 mm	
Finishing	Epoxy Powder Red	

Fire Hose Reel Cabinet (Wall Mounted)



TECHNICAL DATA		
Part No.	CAB-HR	CAB-HR-T2
Size	750mm(W) x 350mm(D) x 750mm(H)	665mm(W) x 350mm(D) x 665mm(H)
Type	Wall Mounted	
Material	Mild Steel	
Thickness	0.9 mm	0.8 mm
Finishing	Epoxy Powder Red	

Air Release Valve



TECHNICAL DATA	
Part No.	WRU-ARV
Size	25mm (1")
Material	Copper Alloy
Finishing	Natural
Working Pressure	15 bar (max)
Test Pressure	20 bar

Fire Hose Clip



TECHNICAL DATA	
Part No.	HRU-CL-25
Size	25mm - 35mm
Material	Mild Steel
Finishing	Galvanised

All specifications and information indicated in this catalogue are subjected to change without prior notice.

UNIQUE FIRE INDUSTRY SDN BHD Co. No. 418731-U

Address:

No. 9, Jalan Anggerik Mokara 31/55, Kota Kemuning, Seksyen 31, 40460, Shah Alam, Selangor, Malaysia

Contact :

Tel : +603 5131 1226

E-mail : contactus@uniquefire.com

Website: www.uniquefire.com

SCAN ME



FIRE HYDRANT/WET & DRY RISER SYSTEM

The main components of a fire hydrant system are fire hoses, fire hydrants, valves and breeching inlets. A fire hydrant is an above-ground piece of equipment that gives access to a water supply that may not be pressurised. The system can either be a dry riser system or a wet riser system.

In a dry riser system, the water needed to fight a fire in an emergency is charged by the fire brigade. The breeching inlets are usually housed in cabinets installed in each floor of a building. The wet riser system holds pressurised water which is connected to the water mains and the water is kept in check by means of valves. The breeching inlets for this system are also housed in inlet cabinets that indicate the type of riser system in use.

SCAN ME



YAMA Fire Hose



TECHNICAL DATA			
Part No.	FH-13W-40	FH-13W-65	FH-10W-65
Size	40mm	65mm	65mm
Working Pressure	13 bar		10 bar
Burst Pressure	30 bar		25 bar
Test Pressure	20 bar		16 bar
Length	30m		
Type	Type 1, Light Weight Fire Hose		
Material	Tough Woven Polyester Fabric		
Finishing	White		

COMMANDER Fire Hose



TECHNICAL DATA		
Part No.	FH-16W-65	FH-16R-65
Size	65mm	65mm
Working Pressure	16 bar	
Burst Pressure	32 bar	
Length	30m	
Type	Type 1, Light Weight Fire Hose	
Material	Tough Woven Polyester Fabric	
Test Pressure	25 bar	25 bar
Finishing	White	Red

UNIQUE FIRE INDUSTRY SDN BHD Co. No. 418731-U

Address:

No. 9, Jalan Anggerik Mokara 31/55, Kota Kemuning, Seksyen 31, 40460, Shah Alam, Selangor, Malaysia

Contact:

Tel : +603 5131 1226

E-mail : contactus@uniquefire.com

Website: www.uniquefire.com

SCAN ME



Breeching Inlet



TECHNICAL DATA		
Part No.	DRU-2W	WRU-4W
Model	2 Way	4 Way
Dimension	316mm(L) x 219mm(W) x 235mm(H)	382mm(L) x 280mm(W) x 270mm(H)
Outlet Size	Flange (4") 100mm Table E	Flange (6") 150mm Table E
Inlet Size	BS 336 Male Instantaneous	
Working Pressure	10 bar	
Test Pressure	20 bar	
Material	Cast Iron (Body)	
	Copper Alloy (Male Instantaneous)	
Finishing	Red	

E-TYPE LANDING VALVE / PRESSURE REGULATING VALVE



TECHNICAL DATA		
Part No.	WRU-EPRV	WRU-EPRV-F
Type	Screw Type (Thread)	Flange Type
Size	Ø65mm (2 1/2")	
Test Pressure	30 bar	
Max. Inlet Pressure	20 bar	
Factory Pre-Set Pressure	7 bar	
Inlet Size	65mm BSP Thread	
Outlet Size	BS 336 Female Instantaneous	
Material	Copper Alloy (Body)	
	Cast Iron (Handwheel)	
Finishing	Red or Yellow	
Features	Suitable to use for inlet pressure up to 20 bar	
	Setting for reduced outlet static pressure from 5 to 8 bar	
	When inlet pressure range from 7 to 20 bar, outlet pressure will remain constant	

All specifications and information indicated in this catalogue are subjected to change without prior notice.

UNIQUE FIRE INDUSTRY SDN BHD Co. No. 418731-U

Address:

No. 9, Jalan Anggerik Mokara 31/55, Kota Kemuning, Seksyen 31, 40460, Shah Alam, Selangor, Malaysia

Contact :

Tel : +603 5131 1226

E-mail : contactus@uniquefire.com

Website: www.uniquefire.com

SCAN ME



ZYfire Rubber Hose



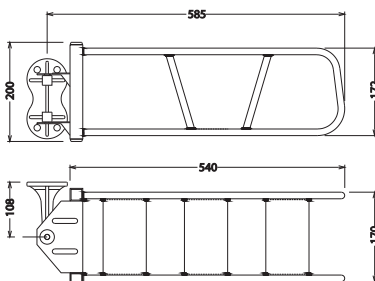
CONFIRMING TO
BS: 6391 TYPE 3

Specifications

Reinforcement : Synthetic Yarn
Cover and Tube : Nitrile/TPR Blend tube, heavy rib with higher abrasion resistance
Application : Industrial fire fighting, fire hose for brigade, water discharge

TECHNICAL DATA		
Part No.	FH-14ZY-65	FH-14ZY-40
Size	65mm	40mm
Material	Nitrile Rubber	
Length	30m	
Type	BS6391-Type 3	
Working Pressure	14bar (200psi)	
Minimum Burst Pressure	42bar (600psi)	
Number of Layers	Three (3): Tube : Nitrile / TPR Blend etc Reinforcement Jacket : Polyester or Nylon Cover : Nitrile / TPR Blend etc	

Hose Cradle



TECHNICAL DATA	
Part No.	WRU-HC
Material	Mild Steel (Body) Aluminium (Hinge)
Support Weight	38 kg max.
Finishing	Red Polyester Electrostatic Powder Coating

UNIQUE FIRE INDUSTRY SDN BHD Co. No. 418731-U

Address:

No. 9, Jalan Anggerik Mokara 31/55, Kota Kemuning, Seksyen 31, 40460, Shah Alam, Selangor, Malaysia

Contact :

Tel : +603 5131 1226

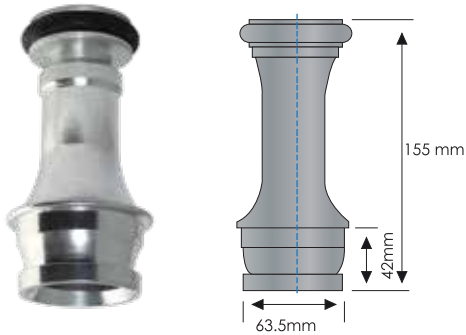
E-mail : contactus@uniquefire.com

Website: www.uniquefire.com

SCAN ME

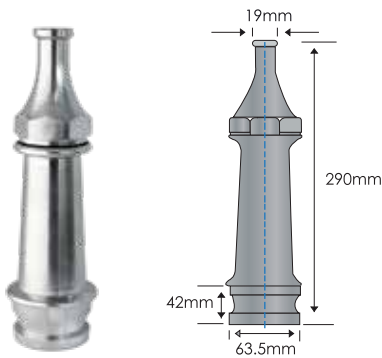


Diffuser Nozzle



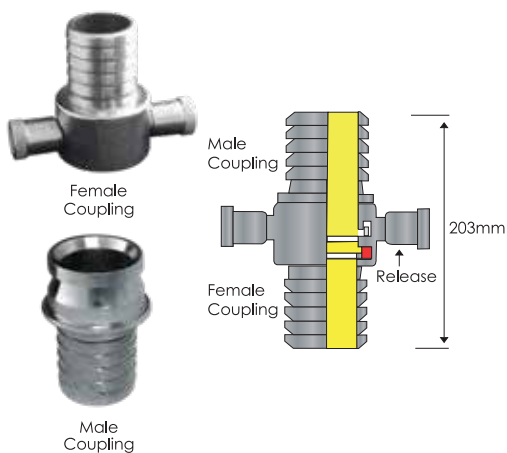
TECHNICAL DATA	
Part No.	FN
Material	Light Alloy/ Brass/ Bronze
Inlet	Ø65mm (male)
Connection	Instantaneous
Flow Rate @ 65 psi (4.4 bar)	500 L/min (Jet), 590 L/min (Spray)
Throw Range @ 65 psi (4.4 bar)	26m (Jet), 15m (Spray)
Test Pressure	Maximum 18 Bar

Branch Pipe with Nozzle



TECHNICAL DATA	
Part No.	WRU-BPN
Material	Light Alloy/ Brass/ Bronze
Inlet	Ø65mm (male)
Connection	Instantaneous
Flow Rate @ 65 psi (4.4 bar)	510 L/min (19mm dia.)
Throw Range @ 65 psi (4.4 bar)	22m (19mm dia.)

Instantaneous Coupling



TECHNICAL DATA	
Part No.	FHC-F40, FHC-M40 FHC-F65, FHC-M65
Material	Light Alloy
Inlet	Ø40mm Ø65mm
Connection	Instantaneous

All specifications and information indicated in this catalogue are subjected to change without prior notice.

UNIQUE FIRE INDUSTRY SDN BHD Co. No. 418731-U

Address:

No. 9, Jalan Anggerik Mokara 31/55, Kota Kemuning, Seksyen 31, 40460, Shah Alam, Selangor, Malaysia

Contact :

Tel : +603 5131 1226

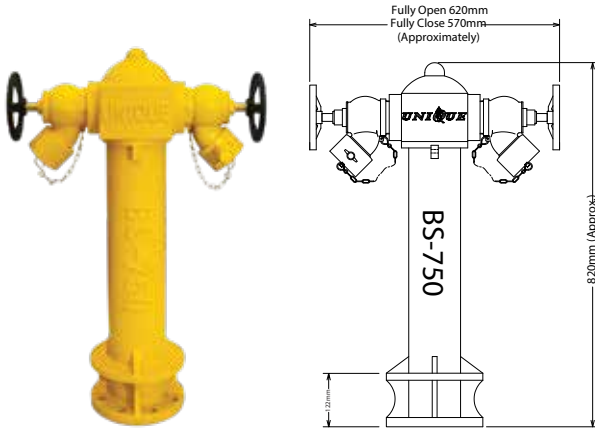
E-mail : contactus@uniquefire.com

Website: www.uniquefire.com

SCAN ME

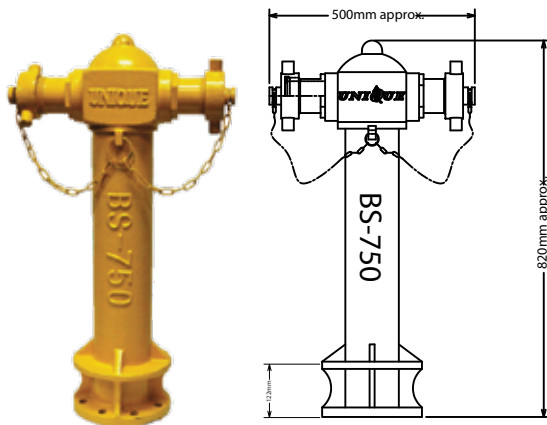


2-Way Fire Hydrant with Landing Valve



TECHNICAL DATA	
Part No.	HYU-2WHV
Working Pressure	15 bar
Test Pressure	20 bar
Flange Inlet Size	(4") 100mm Table E BS 10 Flange
Outlet	BS336 Instantaneous (Female)
Material (Body)	Ductile Iron
Material (Valve)	Copper Alloy
Finishing	Yellow or Red

Plain End Pillar Hydrant



TECHNICAL DATA	
Part No.	HYU-2WHPE
Working Pressure	15 bar
Test Pressure	20 bar
Flange Inlet Size	(4") 100mm Table E BS 10 Flange
Outlet	BS 336 Male Threaded
Material (Body)	Ductile Iron
Material (Plain End)	Cast Iron
Finishing	Yellow or Red
Outlet Size	5-1/3" Thread Per Inch

All specifications and information indicated in this catalogue are subjected to change without prior notice.

UNIQUE FIRE INDUSTRY SDN BHD Co. No. 418731-U

Address:

No. 9, Jalan Anggerik Mokara 31/55, Kota Kemuning, Seksyen 31, 40460, Shah Alam, Selangor, Malaysia

Contact :

Tel : +603 5131 1226

E-mail : contactus@uniquefire.com

Website: www.uniquefire.com

SCAN ME



Fire Hydrant System / Wet & Dry Riser

Fire Hydrant Landing Valve



TECHNICAL DATA		
Part No.	DRU-LV	DRU-LV-F
Model	Screw Type (Thread)	Flange Type
Size	Ø65mm (2 1/2")	
Working Pressure	7 bar	
Test Pressure	30 bar	
Minimum Flow Rate	8.5 Litre / second @ 4.5 Bar	
Inlet Size	65mm BSP Thread	
Outlet Size	BS 336 Female Instantaneous	
Material	Copper Alloy (Body)	
	Cast Iron (Handwheel)	
Finishing	Red or Yellow	

Breeching Inlet Cabinet



TECHNICAL DATA		
Part No.	CAB-2W	CAB-4W
Model	2 Way Breeching Inlet	4 Way Breeching Inlet
Size (mm)	595(W)x395(H)x295(D)	555(W)x565(H)x300(D)
Material	Mild Steel	
Thickness	0.9mm	
Outlet	(4") Flange 100mm Table E	(6") Flange 150mm Table E
Finishing	Epoxy Powder Red	
Design	BS 5041: Part 5	

Hydrant Hose Cabinet



TECHNICAL DATA		
Part No.	CAB-HCL	CAB-HC
Model	With Legs	Without Legs
Size (mm)	560(W)x1165(H)x300(D)	560(W)x630(H)x300(D)
Material	Mild Steel	
Finishing	Epoxy Powder Coating	

TECHNICAL DATA		
Part No.	CAB-HCL-T2	
Model	With Legs	Without Legs
Size (mm)	500(W) x 1165(H) x 330(D)	
Material	Mild Steel	
Finishing	Epoxy Powder Coating	

UNIQUE FIRE INDUSTRY SDN BHD Co. No. 418731-U

Address:

No. 9, Jalan Anggerik Mokara 31/55, Kota Kemuning, Seksyen 31, 40460, Shah Alam, Selangor, Malaysia

Contact :

Tel : +603 5131 1226

E-mail : contactus@uniquefire.com

Website: www.uniquefire.com

SCAN ME



FIRE SPRINKLER SYSTEM

An automatic sprinkler fire protection system is an active fire protection method of fighting fire with water. This method consists of a water supply system that provides sufficient pressure and flow rate of water via a system of pipes to the installed spray sprinklers.

A fire sprinkler system is cost-effective, reliable and simple to operate and maintain. The main components of the system are the sprinklers, sprinkler monitoring equipment, flow meter and an automatic alarm check valve. The fire sprinkler system reduces potential property losses and is one of the most efficient ways of controlling a fierce fire, even extinguishing it, until the fire fighters arrive.

SCAN ME



FIRE SPRINKLER SYSTEM

CD Alarm Check Valve



TECHNICAL DATA		
Part No.	SAV-CD-100 (Alarm Valve) SAG-CD (Alarm Gong)	SAV-CD-150 (Alarm Valve) SAG-CD (Alarm Gong)
Size (mm)	100mm (4")	150mm (6")
Standard	UL 193 Alarm Valves for Fire Protection Service	
Material	Cast Iron ASTM A48 Class No. 35	
Rated Pressure	175 psi	
Test Pressure	350 psi	
Marking	UL Listed 3558 Co A 175 psi 4/6 Alarm Check Valve	
Flange Dimension	ANSI B16.1 Class 125 / ANSI B 16.5 Class 150	
Installation	Vertical 1/2" NPT (PT) Thread Female Inlet 3/4" NPT (PT) Thread Female Outlet 1/2" NPT (PT) Thread Female Drain	

All specifications and information indicated in this catalogue are subjected to change without prior notice.

UNIQUE FIRE INDUSTRY SDN BHD Co. No. 418731-U

Address:

No. 9, Jalan Anggerik Mokara 31/55, Kota Kemuning, Seksyen 31, 40460, Shah Alam, Selangor, Malaysia

Contact :

Tel : +603 5131 1226

E-mail : contactus@uniquefire.com

Website: www.uniquefire.com

SCAN ME



pg 28

FIRE SPRINKLER SYSTEM

CD Conventional Sprinkler



TECHNICAL DATA	
Part No.	SHC-C-68C-15(R1)
Size (NPT)	15mm (1/2")
Type	Standard Response
Bulb	5mm
Activation Temperature	68 °C
K-Factor	5.6 (80.6)
Finishing	Chrome Finished
Maximum Working Pressure	12 bar (175 psi)

CD Pendent Sprinkler



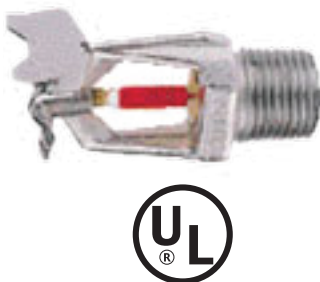
TECHNICAL DATA	
Part No.	SHC-P-68C-15
Size (NPT)	15mm (1/2")
Type	Standard Response
Bulb	5mm
Activation Temperature	68 °C
K-Factor	5.6 (80.6)
Finishing	Chrome Finished
Maximum Working Pressure	12 bar (175 psi)

CD Upright Sprinkler



TECHNICAL DATA	
Part No.	SHC-U-68C-15
Size (NPT)	15mm (1/2")
Type	Standard Response
Bulb	5mm
Activation Temperature	68 °C
K-Factor	5.6 (80.6)
Finishing	Chrome Finished
Maximum Working Pressure	12 bar (175 psi)

CD Horizontal Side Wall



TECHNICAL DATA	
Part No.	SHC-S-68C-15
Size (NPT)	15mm (1/2")
Type	Standard Response
Bulb	5mm
Activation Temperature	68 °C
K-Factor	5.6 (80.6)
Finishing	Chrome Finished
Maximum Working Pressure	12 bar (175 psi)

All specifications and information indicated in this catalogue are subjected to change without prior notice.

UNIQUE FIRE INDUSTRY SDN BHD Co. No. 418731-U

Address:

No. 9, Jalan Anggerik Mokara 31/55, Kota Kemuning, Seksyen 31, 40460, Shah Alam, Selangor, Malaysia

Contact :

Tel : +603 5131 1226

E-mail : contactus@uniquefire.com

Website: www.uniquefire.com

SCAN ME

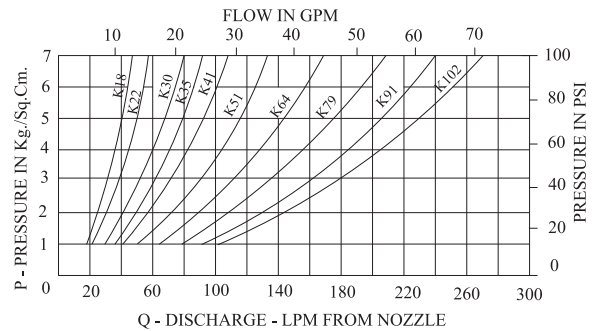


FIRE SPRINKLER SYSTEM

HD Medium Velocity Water Spray Nozzle



DISCHARGE CHARACTERISTICS



$Q = K \sqrt{P}$ where P is supply pressure in Kg./sq.cm.,
 K = nozzle constant (K-factor) in metric
 US K factor = Metric K factor $MK \div 14.2745$

TECHNICAL DATA		
Model No.	MV-A without Strainer , MV-AS with Strainer	
Part No.	SSN-SNI-15	
Max. Working Pressure	12 bar (175 psi)	
Effective Working Pressure	1.4 to 3.5 bar (20 to 50 psi)	
End Connection	½" NPT / BSPT	
Included Water Spray Angle for Each K-factor	65°, 80°, 90°, 100°, 110°, 120°, 140° and 160°	
K-Factor	Metric	US
	K-18	1.26
	K-22	1.54
	K-26	1.8
	K-30	2.10
	K-35	2.45
	K-41	2.87
	K-51	3.57
	K-64	4.48
	K-79	5.53
	K-91	6.37
K-102	7.14	
Weight	0.115 kg (approx.)	
Finishing	Brass or Nickle Plated & Chrome Plated	
Approval	UL Listed, FM Approved & LRS-Lloyd's Register Approved Blow-off Plug- FM Approved.	
Ordering Information	Specify K-Factor, spray angle, finish, model and end connection.	
CONSTRUCTION MATERIAL		
Component	Model MV-A	Model MV-AS
Housing	Forged Brass, IS:291, GR.-1 (Equivalent to ASTM B21)	Forged Brass, IS:291, GR.-1 (Equivalent to ASTM B21)
Pin	Brass, IS:291, GR.-1 (Equivalent to ASTM B21)	Brass, IS:291, GR.-1 (Equivalent to ASTM B21)
Deflector	Brass, IS:2768 (Equivalent to ASTM B36)	Brass, IS:276 (Equivalent to ASTM B36)
Strainer	N/A	Copper

All specifications and information indicated in this catalogue are subjected to change without prior notice.

UNIQUE FIRE INDUSTRY SDN BHD Co. No. 418731-U

Address:

No. 9, Jalan Anggerik Mokara 31/55, Kota Kemuning, Seksyen 31, 40460, Shah Alam, Selangor, Malaysia

Contact :

Tel : +603 5131 1226

E-mail : contactus@uniquefire.com

Website: www.uniquefire.com

SCAN ME



FIRE SPRINKLER SYSTEM

Sprinkler Guard



TECHNICAL DATA	
Part No.	SR-SG
Size	15mm (1/2")
Material	Mild Steel
Finishing	Chrome Plated

Recessed Sprinkler Rosette



TECHNICAL DATA	
Part No.	SR2-CH
Size	15mm (1/2")
Material	Mild Steel
Finishing	Chorme Plated

Plain Sprinkler Rosette



TECHNICAL DATA		
Part No.	SR-CH-15	SR-CH-20
Size (mm)	15mm (1/2")	20mm (3/4")
Material	Stainless Steel 430	
Finishing	Natural	

TECHNICAL DATA		
Part No.	SR-CH-25	SR-CH-32
Size (mm)	25mm (1")	32mm (1 1/4")
Material	Stainless Steel 430	
Finishing	Natural	

Sprinkler Box



TECHNICAL DATA	
Part No.	CAB-SB-15 / CAB-SB-20
Size (mm)	352 (W) x 100 (D) x 180 (H)
No. of Sprinklers	24 units
Material	Mild Steel
Finishing	Epoxy Powder Red

All specifications and information indicated in this catalogue are subjected to change without prior notice.

UNIQUE FIRE INDUSTRY SDN BHD Co. No. 418731-U

Address:

No. 9, Jalan Anggerik Mokara 31/55, Kota Kemuning, Seksyen 31, 40460, Shah Alam, Selangor, Malaysia

Contact :

Tel : +603 5131 1226

E-mail : contactus@uniquefire.com

Website: www.uniquefire.com



FIRE SPRINKLER SYSTEM

Sprinkler System Flow Meter



TECHNICAL DATA			
Part No.		Type	Orifice Size(mm)
Flow Meter	Gauge		
SFM-OH1	SFG-OH1	OH1	31.0
SFM-OH2	SFG-OH2	OH2	40.0
SFM-OH3	SFG-OH3	OH3	43.0
SFM-OH3S	SFG-OH3S	OH3 Special = OH4	50.0
SFM-XHH-7.5	SFG-XHH-7.5	XHH 7.5mm/min	58.5
SFM-XHH-10	SFG-XHH-10	XHH 10mm/min	62.0

TECHNICAL DATA							
Hazard Class	Sprinkler height h above the control valve set(s) (m)	Pump nominal data		Flow Characteristic (see Note)			
				Max Demand flow		Design flow	
		Pressure at pump outlet 'A' gauge (bar)	Flow (L/min)	Pressure at 'C' Gauge (bar)	Flow (L/min)	Pressure at 'C' Gauge (bar)	Flow (L/min)
LH (Wet or pre-action)	$h \leq 15$	1.5	300	3.7	225	-	-
	$15 < h \leq 30$	1.8	340	5.2	225	-	-
	$30 < h \leq 45$	2.3	375	6.7	225	-	-
OH1 (Wet or pre-action)	$h \leq 15$	1.2	900	2.2	540	2.5	375
	$15 < h \leq 30$	1.9	1 150	3.7	540	4.0	375
	$30 < h \leq 45$	2.7	1 360	5.2	540	5.5	375
OH1 (Dry) OH2 (Wet or pre-action)	$h \leq 15$	1.4	1 750	2.5	1 000	2.9	725
	$15 < h \leq 30$	2.0	2 050	4.0	1 000	4.4	725
	$30 < h \leq 45$	2.6	2 350	5.5	1 000	5.9	725
OH2 (Dry) OH3 (Wet or pre-action)	$h \leq 15$	1.4	2 250	2.9	1 350	3.2	1 100
	$15 < h \leq 30$	2.0	2 700	4.4	1 350	4.7	1 100
	$30 < h \leq 45$	2.5	3 100	5.9	1 350	6.2	1 100
OH3 (Dry) OH4 (Wet or pre-action)	$h \leq 15$	1.9	2 650	3.0	2 100	3.5	1 800
	$15 < h \leq 30$	2.4	3 050	4.5	2 100	5.0	1 800
	$30 < h \leq 45$	3.0	3 350	6.0	2 100	6.5	1 800

NOTE: The flow characteristic pressures shown are as measured at the 'C' gauge of the control valve set(s).

All specifications and information indicated in this catalogue are subjected to change without prior notice.

UNIQUE FIRE INDUSTRY SDN BHD Co. No. 418731-U

Address:

No. 9, Jalan Anggerik Mokara 31/55, Kota Kemuning, Seksyen 31, 40460, Shah Alam, Selangor, Malaysia

Contact :

Tel : +603 5131 1226

E-mail : contactus@uniquefire.com

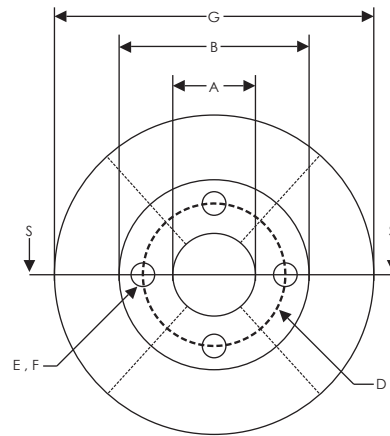
Website: www.uniquefire.com

SCAN ME



FIRE SPRINKLER SYSTEM

Vortex Inhibitor



TECHNICAL DATA												
Material	Mild Steel											
Finishing	Galvanised Coating											
Thickness	Top Plate						Bottom Plate					
	4mm						4mm					
Part No.	Size (B.S 10 Table E Flanges)											
	Internal Diameter		External Diameter		Flange Thickness	Bolt Circle Diameter		Diameter of Bolt		No. of Holes	External Plate Diameter	Height
	(A)		(B)		(C)	(D)		(E)		(F)	(G)	(H)
	Approximately											
	mm	inch	mm	inch	mm	mm	inch	mm	inch	nos	mm	mm
SVI-050	61	2"	152	6"	14.3	114	4-1/2"	16	5/8"	4	272	100
SVI-065	72	2 1/2"	165	6-1/2"	14.3	127	5"	16	5/8"	4	272	100
SVI-080	90	3"	184	7-1/4"	14.3	146	5-3/4"	16	5/8"	4	319	100
SVI-100	115	4"	216	8-1/2"	16	178	7"	16	5/8"	8	380	100
SVI-150	170	6"	279	11"	17.5	235	9-1/4"	19	3/4"	8	468	100
SVI-200	222	8"	337	13-1/4"	19	292	11-1/2"	19	3/4"	8	502	100
SVI-250	270	10"	406	16"	22.2	355.6	14"	19	3/4"	12	587	100
SVI-300	378	12"	457	18"	25	406	16"	22.5	7/8"	12	637	100

All specifications and information indicated in this catalogue are subjected to change without prior notice.

UNIQUE FIRE INDUSTRY SDN BHD Co. No. 418731-U

Address:

No. 9, Jalan Anggerik Mokara 31/55, Kota Kemuning, Seksyen 31, 40460, Shah Alam, Selangor, Malaysia

Contact :

Tel : +603 5131 1226

E-mail : contactus@uniquefire.com

Website: www.uniquefire.com

SCAN ME



FIRE SPRINKLER SYSTEM

UNIQUE Control Pressure Switch (Single Type)



TECHNICAL DATA									
Part No.	Use	Pressure Range (bar)		Differential Pressure (bar)		Factory Setting Pressure (bar)		Max. Bellows Pressure (kgf/cm ²)	Weight (kg)
		Min	Max	Min	Max	On	Off		
SPU-06B	Hose Reel Pump	0	6	0.6	4	2	3	11	0.42
SPU-10B	Sprinkler Pump	1	10	1	3	4	6	16.5	
SPU-20B	Wet Riser & Hydrant Pump	5	20	3	5	15	12	16.5	
SPU-30B	Hydrant Pump over 20 bar	5	30	3	10	20	15	40	

Note:

- Allowable fluid temperature : -10°C to 120°C
- Micro switch ensures reliable switching
- In-built SPDT contact mechanism

UNIQUE Water Flow Switch



TECHNICAL DATA	
Model No.	HFS-25
Part No.	SPU-FS
Size (NPT)	1"
Operating Pressure	10 bar
Max Temperature	100°C
Electric Amps	15 Amps 250Vac
Switch Acting	SPDT
Bellows Life	50k Cycles
Materials	Cover : ABS Body (Seesaw Plate): Mild Steel
Paddle Size	80mm (L) and 26mm (W)
Paddle Size Row	50mm, 65mm, 80mm, 100mm, and 150mm
Ingress Protection	IP43

All specifications and information indicated in this catalogue are subjected to change without prior notice.

UNIQUE FIRE INDUSTRY SDN BHD Co. No. 418731-U

Address:

No. 9, Jalan Anggerik Mokara 31/55, Kota Kemuning, Seksyen 31, 40460, Shah Alam, Selangor, Malaysia

Contact :

Tel : +603 5131 1226

E-mail : contactus@uniquefire.com

Website: www.uniquefire.com

SCAN ME



pg 34

FIRE DETECTION & ALARM SYSTEM

A fire detection and alarm system is essential for noticing a fire early in its development. Steps can then be quickly taken to evacuate people from the building and to stop the fire in its infancy before it can cause major damage to property.

Fire detection can be both automatically and manually actuated. In an automatic system, an alarm is automatically sounded when a fire is detected using a system which monitors environmental changes that happen due to combustion of materials. The changes in the environment include the presence of smoke, increase in temperature and the rate of rise of heat in an enclosed area. Manually actuated alarm devices such as break glass stations and single station smoke alarms are usually installed in places where such devices can be easily reached and operated, such as near exits.

SCAN ME



FIRE DETECTION & ALARM SYSTEM



UNIQUE Call Point



TECHNICAL DATA	
Model No.	UNI-118
Part No.	FAE-MCP
Size	88mm(W) x 88mm(H) x 55mm(D)
Current Ratings	12/24 V DC 10A 48V DC 3A 250V AC 10A
Net/Gross Weight	0.15/0.18kg
Connection	Terminal – Max 2.5mm ² Cable
Material	ABS plastic with polycarbonate panel

UNIQUE Single Station Smoke Detector



TECHNICAL DATA	
Part No.	FAE-SD-426B
Model No.	SD-426B
Power Supply	DC9V Replaceable Battery
Smoke Sensitivity	0.08~0.16dB/m (EN standard)
Standby Current	8 μ A
Alarm Current	\leq 45mA
Temperature Range	0°C to 50°C
Humidity	0 ~ 95% RH, no condensation
Alarm Sound Level	85 dB @ 3m

All specifications and information indicated in this catalogue are subjected to change without prior notice.

UNIQUE FIRE INDUSTRY SDN BHD Co. No. 418731-U

Address:

No. 9, Jalan Anggerik Mokara 31/55, Kota Kemuning, Seksyen 31, 40460, Shah Alam, Selangor, Malaysia

Contact :

Tel : +603 5131 1226

E-mail : contactus@uniquefire.com

Website: www.uniquefire.com

SCAN ME



UNIQUE227 FIRE SUPPRESSION SYSTEM

The clean agent fire suppression system and its components are agency tested for total flooding applications and should be used in accordance with the guidelines contained in National Fire Protection Association (NFPA) 2001 : Standard on Clean Agent Fire Extinguishing Systems.

The clean agent fire suppression systems are safe for people, electrically non-conductive, non-corrosive, free of residue and have zero ozone depletion potential (ODP) to the environment.

SCAN ME



UNIQUE227 FIRE SUPPRESSION SYSTEM



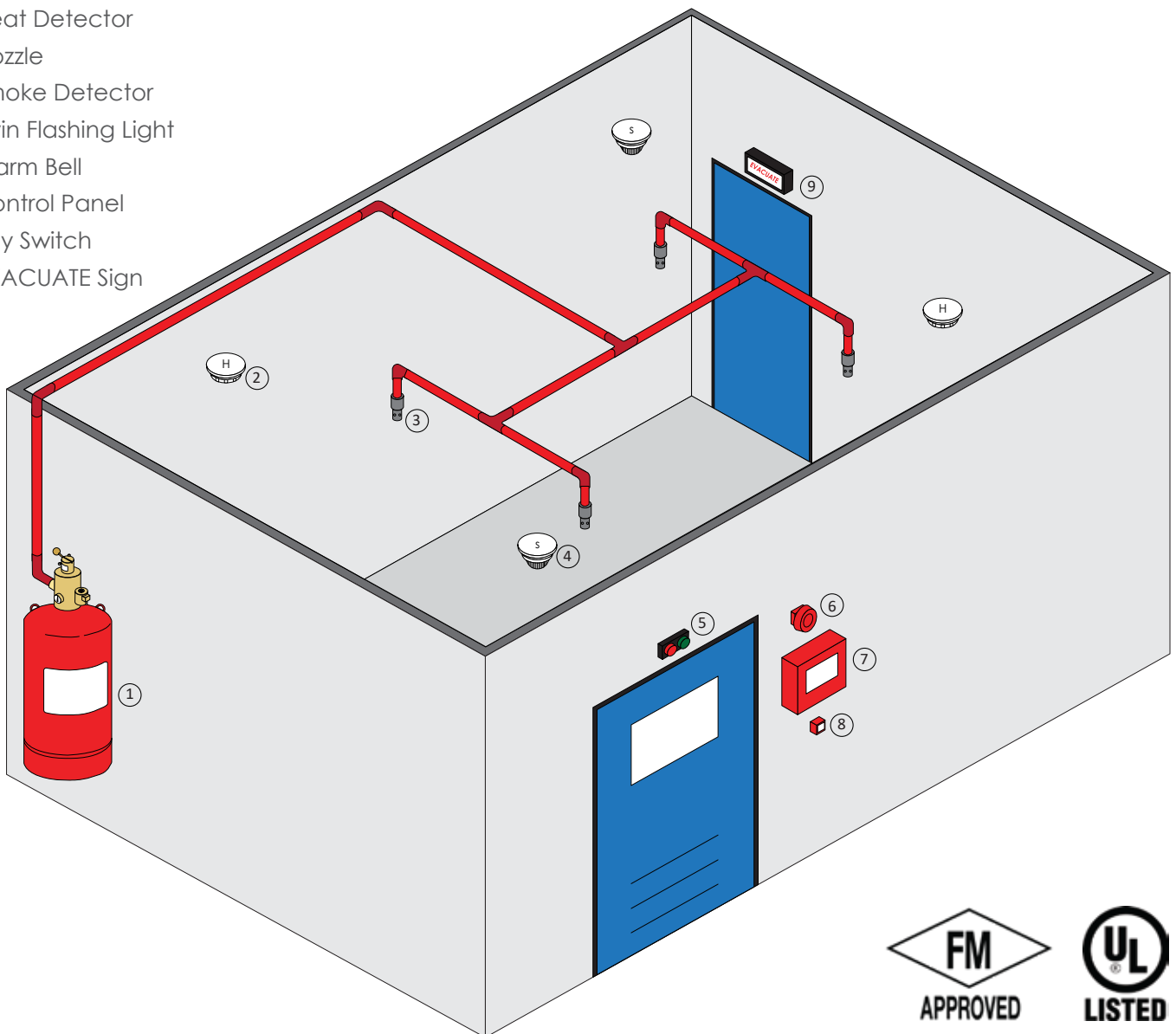
Unique227 Fire Suppression systems are agency tested for total flooding applications and should be used in accordance with the guidelines contained in NFPA 2001. The design of such a system requires that the Unique227 chemical agent to be discharged from its container within 10 seconds and be thoroughly mixed throughout the protected volume, reaching a minimum concentration level of 7%.

UNIQUE227 Fire Suppression System Features

- Safe for people
- Safe for environment
- Leaves no residue after discharge

UNIQUE227 System Typical Arrangement

1. Cylinder and Valve Assembly
2. Heat Detector
3. Nozzle
4. Smoke Detector
5. Twin Flashing Light
6. Alarm Bell
7. Control Panel
8. Key Switch
9. EVACUATE Sign



All specifications and information indicated in this catalogue are subjected to change without prior notice.

UNIQUE FIRE INDUSTRY SDN BHD Co. No. 418731-U

Address:

No. 9, Jalan Anggerik Mokara 31/55, Kota Kemuning, Seksyen 31, 40460, Shah Alam, Selangor, Malaysia

Contact :

Tel : +603 5131 1226

E-mail : contactus@uniquefire.com

Website: www.uniquefire.com

SCAN ME



UNIQUE227 FIRE SUPPRESSION SYSTEM



DESCRIPTION

Unique 227 is a trademark of Unique's HFC-227ea, Heptafluoropropane. Unique 227 is an effective fire extinguishing agent that can be used on many types of fires ranging from sensitive electrical equipment to industrial applications using flammable liquids.

Unique 227 is ideal for applications where clean-up of other medium presents a problem, where an electrically non-conductive medium is needed and where people compatibility is an overriding factor. When environmental impact becomes a consideration, Unique 227 is particularly useful. It has Zero ozone-depleting potential, low global warming potential and short atmospheric lifetime. These characteristics make it suitable not only for new installations using Unique's total flooding system, but also for Halon 1301 replacement applications. Unique 227 is an odorless, colorless liquefied compressed gas. It is stored as a liquid and dispensed into the hazard as a colorless, electrically non-conductive vapor that is clear and does not obscure physical vision. It leaves no residue and has acceptable toxicity for use in occupied spaces at design concentration. Unique 227 extinguishes a fire by a combination of chemical and physical mechanisms. Unique 227 does not displace and therefore is safe for use in occupied spaces without fear of oxygen deprivation.

TECHNICAL DATA	
PHYSICAL AND CHEMICAL CHARACTERISTICS	
Chemical Name	Heptafluoropropane (CF ₃ CHFCF ₃)
General	Colorless, Odorless Liquefied Gas
Molecular Weight	170.03
Boiling Point	-16.4°C/2.48°F
Freezing Point	-131°C/-203.8°F
Vapor Pressure@21°C/70°F	58.8 psia
Critical Temperature	101.7°C/215.1°F
Critical Pressure(psia)	422.3 psia
Vapor Density(AIR=1)	6.04
Water Reactive	No
Specific Gravity(H ₂ O=1)	1.46
Water Solubility(V/V@20°C/68°F)	260mg/L
Ozone Depletion Potential	0
Estimated Atmospheric Lifetime(years)	31-42

Unique 227 fully complies with the standards of ASTM D6064 and NFPA 2001 and has achieved a minimum purity of 99.95 percent and less than 10 ppm of moisture. It has less than 1 ppm acidity as HF. The non-volatile residue is less than 0.05g/100ml.



All specifications and information indicated in this catalogue are subjected to change without prior notice.

UNIQUE FIRE INDUSTRY SDN BHD Co. No. 418731-U

Address:

No. 9, Jalan Anggerik Mokara 31/55, Kota Kemuning, Seksyen 31, 40460, Shah Alam, Selangor, Malaysia

Contact :

Tel : +603 5131 1226

E-mail : contactus@uniquefire.com

Website: www.uniquefire.com

SCAN ME



pg 39

UNIQUE227 FIRE SUPPRESSION SYSTEM

Clean Agent Cylinders



TECHNICAL DATA							
Model No.	Cylinder Size	Valve Size	Dimension			Max Fill	Min Fill
			A	B	C		
UFI 90020-E*	20 lb	1"	10.750"	13.632"	18.633"	20 lb	9 lb
UFI 90035-E*	35 lb	1"	10.750"	18.677"	23.678"	35 lb	16 lb
UFI 90070-E*	70 lb	1"	10.750"	28.166"	33.167"	71 lb	31 lb
UFI 90100-F*	100 lb	1"	12.795"	26.709"	31.709"	100 lb	44 lb
UFI 90150-E*	150 lb	1-1/2"	12.795"	37.343"	43.172"	152 lb	66 lb
UFI 90250-E*	250 lb	1-1/2"	16.000"	40.099"	45.928"	253 lb	109 lb
UFI 90375-E*	375 lb	2-1/2"	16.000"	57.248"	65.351"	379 lb	163 lb
UFI 90560-E*	560 lb	2-1/2"	20.000"	55.516"	63.619"	561 lb	241 lb
UFI 90650-F*	650 lb	3"	20.000"	63.335"	71.438"	665 lb	285 lb

Note : Clean agent cylinders with stainless steel bodies and valves are available.
* add "-SS" when using Stainless Steel Valve



TECHNICAL DATA							
Model No.	Cylinder Size	Valve Size	Dimension			Max Fill	Min Fill
			A	B	C		
UFI 90800-E	800 lb	4"	30.000"	46.680"	57.254"	840 lb	360 lb
UFI 90800-F	800 lb	3"	30.000"	46.680"	53.710"	840 lb	360 lb
UFI 91000-E	1000 lb	4"	30.000"	54.767"	64.617"	1038 lb	445 lb
UFI 91000-F	1000 lb	3"	30.000"	54.570"	61.600"	1038 lb	445 lb
UFI 91200-E	1200 lb	4"	30.000"	62.135"	71.985"	1211 lb	519 lb

Note : Clean agent cylinders with stainless steel bodies and valves are available.

All specifications and information indicated in this catalogue are subjected to change without prior notice.

UNIQUE FIRE INDUSTRY SDN BHD Co. No. 418731-U

Address:

No. 9, Jalan Anggerik Mokara 31/55, Kota Kemuning, Seksyen 31, 40460, Shah Alam, Selangor, Malaysia

Contact :

Tel : +603 5131 1226

E-mail : contactus@uniquefire.com

Website: www.uniquefire.com

SCAN ME



UNIQUE227 FIRE SUPPRESSION SYSTEM

Cylinder Bracket



TECHNICAL DATA

Model No.	Description	Cylinder O.D	Mounting
UFI 50139	20, 35 & 70 lb Cylinder Bracket	10.75"	Wall
UFI 60780	100 & 150 lb Cylinder Bracket	12.80"	Wall
UFI 60760	250 & 375 lb Cylinder Bracket	16.00"	Wall
UFI 60770	560 & 650 lb Cylinder Bracket	20.00"	Wall
UFI 60790	800, 1000 & 1200 lb Cylinder Bracket	30.00"	Wall
UFI 60792	800, 1000 & 1200 lb Cylinder Bracket	30.00"	Floor

Discharge Nozzle



TECHNICAL DATA

Model No.	Description	Model No.	Description
UFI 60704-2	½" (180°) Sidewall	UFI 60707-2	1 ¼" (180°) Sidewall
UFI 60704-3	½" (360°) Central	UFI 60707-3	1 ¼" (360°) Central
UFI 60705-2	¾" (180°) Sidewall	UFI 60708-2	1 ½" (180°) Sidewall
UFI 60705-3	¾" (360°) Central	UFI 60708-3	1 ½" (360°) Central
UFI 60706-2	1" (180°) Sidewall	UFI 60709-2	2" (180°) Sidewall
UFI 60706-3	1" (360°) Central	UFI 60709-3	2" (360°) Central

Note: Aluminium Material: UFI 6070*; Brass Material: UFI 7070*; SS Material: UFI 8070*;

Local Manual Control (Plunge Type)



Model Number : UFI 61033-2

The Local Manual Control Plunger Type features a local lever driven push rod that depresses a schrader check valve through the latching solenoid when fitted onto the top of the solenoid, thereby venting the pressure from the top of the piston in the cylinder valve, allowing the piston to slide upward and commence cylinder discharge

- Use for manual actuation of cylinder
- Equipped with safety pull pin to prevent accidental discharge
- Solid brass construction
- Stainless steel operation lock-pin

All specifications and information indicated in this catalogue are subjected to change without prior notice.

UNIQUE FIRE INDUSTRY SDN BHD Co. No. 418731-U

Address:

No. 9, Jalan Anggerik Mokara 31/55, Kota Kemuning, Seksyen 31, 40460, Shah Alam, Selangor, Malaysia

Contact :

Tel : +603 5131 1226

E-mail : contactus@uniquefire.com

Website: www.uniquefire.com

SCAN ME



UNIQUE227 FIRE SUPPRESSION SYSTEM

Latching Solenoid



DESCRIPTION

Latching Solenoid is utilized to open a Schrader valve on the top fitting connector of the cylinder valve. The application gives an answer to a quick reaction and a high latching power to be utilized with the UNIQUE Fire Extinguishing Liquid Agent. It was resolved that a latching solenoid with a discretionary nearby manual control head is the best answer for the application.

The actuator is held in the latching position without power until a flag from the operator discharge control board removes the permanent magnet. Whenever discharge, the latching solenoid opens the cylinder valve enabling the quenching medium to release from the cylinder into the system. The latching solenoid is designed with an emergency release local manual control to manually force the pin to depress the cylinder valve to release the extinguishing medium when needed. In order to reset the system, the solenoid is to be manually returned to the latched position. This custom latching solenoid designed specifically for fire protection systems is UL listed and tested in accordance with UL508.

Features

- High latching forces
- Fast response
- Options
 - Manual release button cap
 - Reset tool
- UL approval-recognized to UL864
- Tested in accordance with UL508

Specification

Specification - Latching Solenoid

Model : UFI 50026-A

- Manual actuation force : 12lbf
- Power requirement : 24VDC
- Current : 0.5A
- Operating Temperature Range : -4°F to 131°F (-20°C to +55°C)
- Weight : 1.06kg
- Dimensions

Body Diameter : 1.75 in.



TECHNICAL DATA		
Model No.	Description	Electrical Rating
UFI 50026-A	Latching Solenoid	24 VDC
Length	4.17 or 5.9 in (106 or 150 mm) with manual actuation cap	

All specifications and information indicated in this catalogue are subjected to change without prior notice.

UNIQUE FIRE INDUSTRY SDN BHD Co. No. 418731-U

Address:

No. 9, Jalan Anggerik Mokara 31/55, Kota Kemuning, Seksyen 31, 40460, Shah Alam, Selangor, Malaysia

Contact :

Tel : +603 5131 1226

E-mail : contactus@uniquefire.com

Website: www.uniquefire.com

SCAN ME



UNIQUE227 FIRE SUPPRESSION SYSTEM

Context Plus EP203/CON



Quality System Certificate No: 176
Assessed to ISO9001 : 2008



LPCB Ref. 176a
to BS EN 54 pts 2 & 4

TECHNICAL SPECIFICATION

Power Supply Specification	
Part No.	UFI227-ARCP
Main supply voltage	230 Vac , 50/60 Hz
Internal power supply	24 Vdc nominal
Max. output current	3A @ 230 Vac
Power rating (including charging)	1.5A cont, 3A peak
Detector Circuit Specification	
Number of conventional circuits	3 @ 21-28 Vdc
Max. no. of smoke/heat detectors per circuit	20
Max. combined no. of detectors & manual call points per circuit	32
Sounder Circuit Specification	
Number of conventional circuits	3 (two x 1st stage, one x 2nd stage)
Max. number of polarised sounder per circuit	10 @ 20mA each
Dimension	
Front Cover	467mm(W) x 293mm(H) x 100mm(D)
Back Cover	439mm(W) x 276mm(H) x 70mm (D)
Material of Case	Metal

*Applicable for Unique 227 Fire Suppression System

UNIQUE FIRE INDUSTRY SDN BHD Co. No. 418731-U

Address:

No. 9, Jalan Anggerik Mokara 31/55, Kota Kemuning, Seksyen 31, 40460, Shah Alam, Selangor, Malaysia

Contact :

Tel : +603 5131 1226

E-mail : contactus@uniquefire.com

Website: www.uniquefire.com

SCAN ME



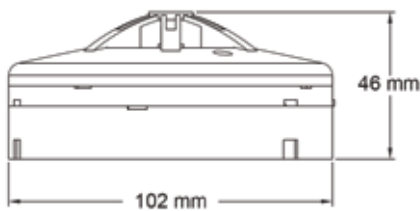
pg 43

UNIQUE227 FIRE SUPPRESSION SYSTEM

UNIQUE AH-0626 Heat Detector



CONFIRMING TO
ANSI/UL 521



TECHNICAL DATA			
Model	AH-0626-2	AH-0626-3	AH-0626-4
Alarm Contact	N/A	N/A	0.8A @30V DC 0.4A @ 125V AC
Voltage Range	12 ~ 30V DC		
Alarm Current @ 24V DC 470Ω	40mA	40mA	45mA
Standby Current @ 24 V DC 470Ω	20 ~ 70μA		
Thermal Setting	60°C		
Ambient Temperature	0°C ~ +37.8°C		
Material	Fire-proof plastic		
Dimensions	102mm (Dia.) x 46mm(H)		
Weight	120g	120g	130g
Color	White		
Order information			
AH-0626-2	2-wire		
Effective alert area			
Construction/ Height	Under 4m	4m~ 8m	
Fire-proof Building	90 m ²	45 m ²	
Ordinary Building	50 m ²	30 m ²	

*Applicable for Unique 227 Fire Suppression System

UNIQUE AH-0333 Heat Detector



TECHNICAL DATA	
Model No.	AH-0333
Part No.	FAE-H0333
Description	2 Wire
Alarm Current @ 24V DC 470 Ω	40mA
Operating Temperature Range	0°C to 55°C
Voltage Range	12V-30V DC
Sensitivity Setting	Rise rapidly in 30°C / per 30sec.
Material	Plastic
Size	Ø111mm x 45mm (H)
Weight	130g
Colour	White
EFFECTIVE ALERT AREA	
Construction/ Height	Under 4M 4M~ 8M
Fire-proof Building	90m ² 45m ²
Ordinary Building	50m ² 30m ²

*Applicable for Unique 227 Fire Suppression System and Carbon Dioxide Fire Extinguishing System

UNIQUE FIRE INDUSTRY SDN BHD Co. No. 418731-U

Address:

No. 9, Jalan Anggerik Mokara 31/55, Kota Kemuning, Seksyen 31, 40460, Shah Alam, Selangor, Malaysia

Contact :

Tel : +603 5131 1226

E-mail : contactus@uniquefire.com

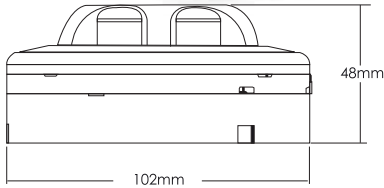
Website: www.uniquefire.com

SCAN ME



UNIQUE227 FIRE SUPPRESSION SYSTEM

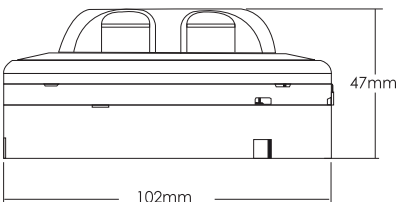
UNIQUE AH-0621 Photoelectric Smoke Detector



Specifications			
Part No.	FAE-P0621	FAE-P0621-3	FAE-P0621-4
Model No.	AH-0621-2	AH-0621-3	AH-0621-4
Alarm Contact	N/A	N/A	0.8A@30V DC 0.4A@125V AC
Voltage Range	12 ~ 30V DC		
Alarm Current @ 24V DC 470Ω	50mA	59mA	45mA
Standby Current @ 24V DC 470Ω	140μA		25 – 75 μA
Sensitivity Setting	Comply to UL268		
Ambient Temperature	0°C ~ +37.8°C		
Material	Plastic		
Dimensions	102mm (Dia.) x 48mm(H)		
Weight	130g	130g	145g
Color	White		
Order information			
AH-0621-2	2-wire		
AH-0621-3	3-wire with remote indicator input		
AH-0621-4	4-wire with relay output		
Effective alert area			
Building Height	Under 4m	4m to 20m	
Area Covered	150 m ²	75 m ²	

*Applicable for Unique 227 Fire Suppression System

UNIQUE AH-0711 Photoelectric Smoke Detector



TECHNICAL DATA	
Model No.	AH-0711
Part No.	FAE-P0711
Description	2 Wire
Alarm Current @ 24V DC 470 Ω	40mA
Operating Temperature Range	-10°C to 55°C
Voltage Range	12V-30V DC
Standby Current @ 24V DC 470 Ω	25 - 75 μA
Sensitivity Setting	Comply to UL268
Material	Plastic
Size	Ø102mm x 50mm (H)
Weight	130g
Colour	White
EFFECTIVE ALERT AREA	
Building Height	Under 4m 4m to 20m
Area Covered	150m ² 75m ²

*Applicable for Unique 227 Fire Suppression System and Carbon Dioxide Fire Extinguishing System

UNIQUE FIRE INDUSTRY SDN BHD Co. No. 418731-U

Address:

No. 9, Jalan Anggerik Mokara 31/55, Kota Kemuning, Seksyen 31, 40460, Shah Alam, Selangor, Malaysia

Contact :

Tel : +603 5131 1226

E-mail : contactus@uniquefire.com

Website: www.uniquefire.com

SCAN ME



UNIQUE227 FIRE SUPPRESSION SYSTEM



DEMCO Motorized Bell



TECHNICAL DATA				
Model no.	DC Type	Decibel Rating @ 1m (3ft)		
	Voltage	Amps	150mm (6")	200mm (8")
D132	12	0.05	95 dB	95 dB
	24	0.03	95 dB	103 dB
	Net / Gross Weight		748 / 812g	1130 / 1280g

UNI-132 UNIQUE Motorized Bell



TECHNICAL DATA				
Model no.	DC Type	Decibel Rating @ 1m (3ft)		
	Voltage	Amps	150mm (6")	200mm (8")
UNI-132	12	0.05	95 dB	95 dB
	24	0.03	95 dB	103 dB
	Net / Gross Weight		748 / 812g	1130 / 1280g

UNIQUE Fire Alarm Bell



TECHNICAL DATA			
Model No.	UNI-102		
Part No.	FAE-6AB		
Supply Voltage	110/ 240V (AC)		
	12/24V (DC)		
Sound Output	92 - 105 dB		
Current Consumption	0.05 A		
Size	150mm(6")		
Finishing	Red		
DECIBEL SPECIFICATION			
AC Type		Decibel Rating @ 1m (3ft)	
Voltage	Amps	150mm (6")	200mm (8")
110	0.015	95dB	97dB
240	0.033	105dB	106dB
DC Type		Decibel Rating @ 1m (3ft)	
12	0.08	99dB	100dB
24	0.05	103dB	105dB

All specifications and information indicated in this catalogue are subjected to change without prior notice.

UNIQUE FIRE INDUSTRY SDN BHD Co. No. 418731-U

Address:

No. 9, Jalan Anggerik Mokara 31/55, Kota Kemuning, Seksyen 31, 40460, Shah Alam, Selangor, Malaysia

Contact :

Tel : +603 5131 1226

E-mail : contactus@uniquefire.com

Website: www.uniquefire.com

SCAN ME



UNIQUE227 FIRE SUPPRESSION SYSTEM

GP Sealed Lead Acid Battery



TECHNICAL DATA (GP)			
Part No.	GPP1272	GPP12120	GPP12170
Model No.	BAT-007AH-GP	BAT-012AH-GP	BAT-017AH-GP
Nominal Voltage (V)	12	12	12
Capacity (AH)	7.2	12.0	17.0
Length (mm)	151	151	181
Width (mm)	65	98	77
Height (mm)	94	95	167
Total Height (mm)	100	101	167
Weight (kg)	2.35	3.70	5.50

UNIQUE Sealed Lead Acid Battery



TECHNICAL DATA (UNIQUE)							
Model	Part No.	Nominal Voltage (V)	Capacity (AH)	Length (mm)	Width (mm)	Height (mm)	Approx. Weight (kg)
12V 7AH	BAT-007AH	12	7	151	65	100	2.05
12V 10AH	BAT-010AH	12	10	151	98	100	3.20
12V 12AH	BAT-012AH	12	12	151	98	100	3.45
12V 18AH	BAT-018AH	12	18	180	76	166	5.10
12V 26AH	BAT-026AH	12	26	176	166	127	7.80
12V 40AH	BAT-040AH	12	40	197	165	170	12.20
12V 65AH	BAT-065AH	12	65	355	167	193	20.20
12V 100AH	BAT-100AH	12	100	330	170	240	29.50
12V 120AH	BAT-120AH	12	120	405	174	233	35.6

UNIQUE Twin Flashing Lights



TECHNICAL DATA	
Model No.	UNI-104 WP/L
Part No.	FAE-FLO-LED
Lens	High efficient prismatic polycarbonate lens optimized for omnidirectional viewing.
Luminary	Filament Bulb/Ultra Bright LED
Size	210mm(W) x 77mm(D) x 108mm(H)
Material (Casing & Hood)	Mild Steel
Finishing	Black casing with green and red lens
Operating Current	0.02A

*Applicable for Unique 227 Fire Suppression System and Carbon Dioxide Fire Extinguishing System

All specifications and information indicated in this catalogue are subjected to change without prior notice.

UNIQUE FIRE INDUSTRY SDN BHD Co. No. 418731-U

Address:

No. 9, Jalan Anggerik Mokara 31/55, Kota Kemuning, Seksyen 31, 40460, Shah Alam, Selangor, Malaysia

Contact :

Tel : +603 5131 1226

E-mail : contactus@uniquefire.com

Website: www.uniquefire.com

SCAN ME



UNIQUE227 FIRE SUPPRESSION SYSTEM

Evacuate Sign



TECHNICAL DATA	
Model No.	UNI-110L
Part No.	FAE-ES
Dimension	260 (L) x 110 (H) x 80 (W) mm
Lens Colour	Red
Casing Colour	Black
Lens Material	Polycarbonate
Casing Material	Mild Steel
Operating Voltage	24V DC
Operating Current	0.03A

*Applicable for Unique 227 Fire Suppression System

UNIQUE Manual Key Switch



TECHNICAL DATA	
Model No.	UNI-105
Part No.	FAE-KS
Size	105mm(W) x 105mm(D) x 100mm(H)
Material	ABS Plastic
Weight	0.76kg
Colour	Signal Red

All specifications and information indicated in this catalogue are subjected to change without prior notice.

UNIQUE FIRE INDUSTRY SDN BHD Co. No. 418731-U

Address:

No. 9, Jalan Anggerik Mokara 31/55, Kota Kemuning, Seksyen 31, 40460, Shah Alam, Selangor, Malaysia

Contact :

Tel : +603 5131 1226

E-mail : contactus@uniquefire.com

Website: www.uniquefire.com

SCAN ME



pg 48

UNIQUE227 FIRE SUPPRESSION SYSTEM

Power Line Surge Protector



TECHNICAL DATA	
Model No.	240-5A-PKT10
Part No.	UF1227SP-S.FILTER
Location Category	Indoor, Boundary LPZ1 – LPZ2
Standard Compliance	IEC 61643-1 Class III, AS / NZS 1768, IEEE C62.41, IEC 6-1000-4-5, UL1449 3rd Edition
Number Of Ports	1
Method Of Mounting	Fixed (DIN 35mm Railway)
Maximum Continuous Operating Voltage (U_c)	300V
Nominal Continuous Operating Voltage (U_n)	240V
Maximum Discharge Current (I_{max})(8/20 μ s)	10kA
Nominal Discharge Current (I_n)(8/20 μ s)	3kA
Rated load current (I_L)	5A
Protection Level (U_p)	<600V
Mode of protection	L-L, L-E, L-N & N-E
IP Code	IP20
Dimensions	92mmx17mmx62mm
Working environments	Temperature -40°C to +70°C, Relative Humidity \leq 95%
Cable size	0.75 – 2.5mm ²

*Applicable for Unique 227 Fire Suppression System



All specifications and information indicated in this catalogue are subjected to change without prior notice.

UNIQUE FIRE INDUSTRY SDN BHD Co. No. 418731-U

Address:

No. 9, Jalan Anggerik Mokara 31/55, Kota Kemuning, Seksyen 31, 40460, Shah Alam, Selangor, Malaysia

Contact :

Tel : +603 5131 1226

E-mail : contactus@uniquefire.com

Website: www.uniquefire.com

SCAN ME



UNIQUE227 FIRE SUPPRESSION SYSTEM

Signal Line Surge Protector



TECHNICAL DATA	
Model No.	SP1-24PKT-DC
Part No.	UFI227SP-S.LINE
Standard Compliance	5kV (10/700 μ s) to International Telecommunication Union (ITU-T K.20, K.21 and K.45)
Maximum Operating Voltage, U_c	32Vdc
Nominal Voltage, U_n	42Vdc
Maximum discharge current, I_{max} (8/20 μ s)	10kA
Nominal discharge current, I_n (8/20 μ s)	5kA
Load Current, I_L	2A
Voltage protection level, U_p (10/700 μ s, 5kV)	<48Vdc
In-line resistance (per line \pm 10%)	<1.0 Ω
Response time, t_A	\leq 1ns
Frequency (at -3dB)	20MHz
Insertion loss	\leq 0.5dB
Protection Mode	Line-Line and Line-PE
Method of mounting	DIN 35mm railway
IP code	IP20
Dimensions	90mm x 65mm x 13mm :Pluggable
Working environments	Temperature -20°C - +80°C, Relative humidity \leq 95%

*Applicable for Unique 227 Fire Suppression System



All specifications and information indicated in this catalogue are subjected to change without prior notice.

UNIQUE FIRE INDUSTRY SDN BHD Co. No. 418731-U

Address:

No. 9, Jalan Anggerik Mokara 31/55, Kota Kemuning, Seksyen 31, 40460, Shah Alam, Selangor, Malaysia

Contact :

Tel : +603 5131 1226

E-mail : contactus@uniquefire.com

Website: www.uniquefire.com

SCAN ME



pg 50

Room Integrity Test

Enclosure Integrity Test

Now, the NFPA 2001, NFPA 12A, ISO 14520 and EN 15004 recognize an enclosure integrity test as part of the acceptance procedure for all clean agent systems. This includes halocarbon and inert agents. The comprehensive test and calculation procedure predicts how long the agent would stay in the room if it were ever discharged.

The Enclosure Integrity Test's primary goal is to predict the enclosure's retention time in the event that the Clean Agent Fire Suppression System is discharged. This is accomplished by performing a Door-Fan test.



What is a Door Fan Test ?

Door Fan Test, also known as a Room Integrity Fan Test, is simply a way to measure the leakage of a protected room. A large fan is temporarily installed in the doorway of the protected room to be tested, with the fan blowing into the room (pressurizing the room). The fan speed is adjusted to obtain flow pressure equivalent to the pressure exerted during a fire suppression system discharge. The fan is then reversed on the door to draw air from the room (depressurizing the room). The airflow and pressure readings obtained are entered into a computer program designed to calculate the equivalent leakage area (ELA) for the room. Then, the software will calculate the retention time and determine whether it exceeds the minimum retention time of 10 minutes.

All specifications and information indicated in this catalogue are subjected to change without prior notice.

UNIQUE FIRE INDUSTRY SDN BHD Co. No. 418731-U

Address:

No. 9, Jalan Anggerik Mokara 31/55, Kota Kemuning, Seksyen 31, 40460, Shah Alam, Selangor, Malaysia

Contact :

Tel : +603 5131 1226

E-mail : contactus@uniquefire.com

Website: www.uniquefire.com

SCAN ME



UNIQUE227 FIRE SUPPRESSION SYSTEM

Liquid Level Indicator (Optional Components)



DESCRIPTION

The liquid level indicator is a simple, manually operated device, which provides a means to determine the Clean Agent liquid level in vertically mounted agent storage containers. Once the liquid level is determined, it can then be converted into the weight of Clean Agent present in the agent storage container.

OPERATION

A magnet equipped float moves with the liquid level along the unit stem. Level readout is obtained by simply removing the protective cap and pulling out a calibrated tape until magnetic interlock with the float is felt. With the tape in this position, the reading is obtained at the point where the tape emerges from the unit housing.

When the liquid level is determined, the reading is then referred to a chart in the Engineering Manual and the corresponding weight of Clean Agent is determined. Accurate readings can be obtained over a +40F to +90F temperature range.

FEATURES

- Reduced maintenance time — weight in an agent storage container can be determined in a fraction of the time it would take to remove and weigh them.
- Continuous fire protection — use of the liquid level indicator does not require taking out the cylinder from the system, thus providing uninterrupted fire protection.
- Field installation capability — the indicator can easily be installed in the field using a single wrench as long as the container is empty and is equipped with a mounting boss.
- Compact — when not in use, the unit requires no more space than that required by the container.
- Flexibility — the flexible tape design allows the unit to be used in tight spaces that would otherwise hinder the use of a rigid type indicator "stick".
- Availability — units are available for all Unique containers from sizes of



Model Number	Description
UFI 60020	Liquid Level Indicator for 150 LB & 250 LB cylinders
UFI 60020-1	Liquid Level Indicator for 375 LB & 560 LB cylinders
UFI 60020-5	Liquid Level Indicator for 650 LB cylinders
UFI 60020-4	Liquid Level Indicator for 800 LB cylinders
UFI 60020-3	Liquid Level Indicator for 1000 LB cylinders
UFI 60020-2	Liquid Level Indicator for 1200 LB cylinders

All specifications and information indicated in this catalogue are subjected to change without prior notice.

UNIQUE FIRE INDUSTRY SDN BHD Co. No. 418731-U

Address:

No. 9, Jalan Anggerik Mokara 31/55, Kota Kemuning, Seksyen 31, 40460, Shah Alam, Selangor, Malaysia

Contact :

Tel : +603 5131 1226

E-mail : contactus@uniquefire.com

Website: www.uniquefire.com

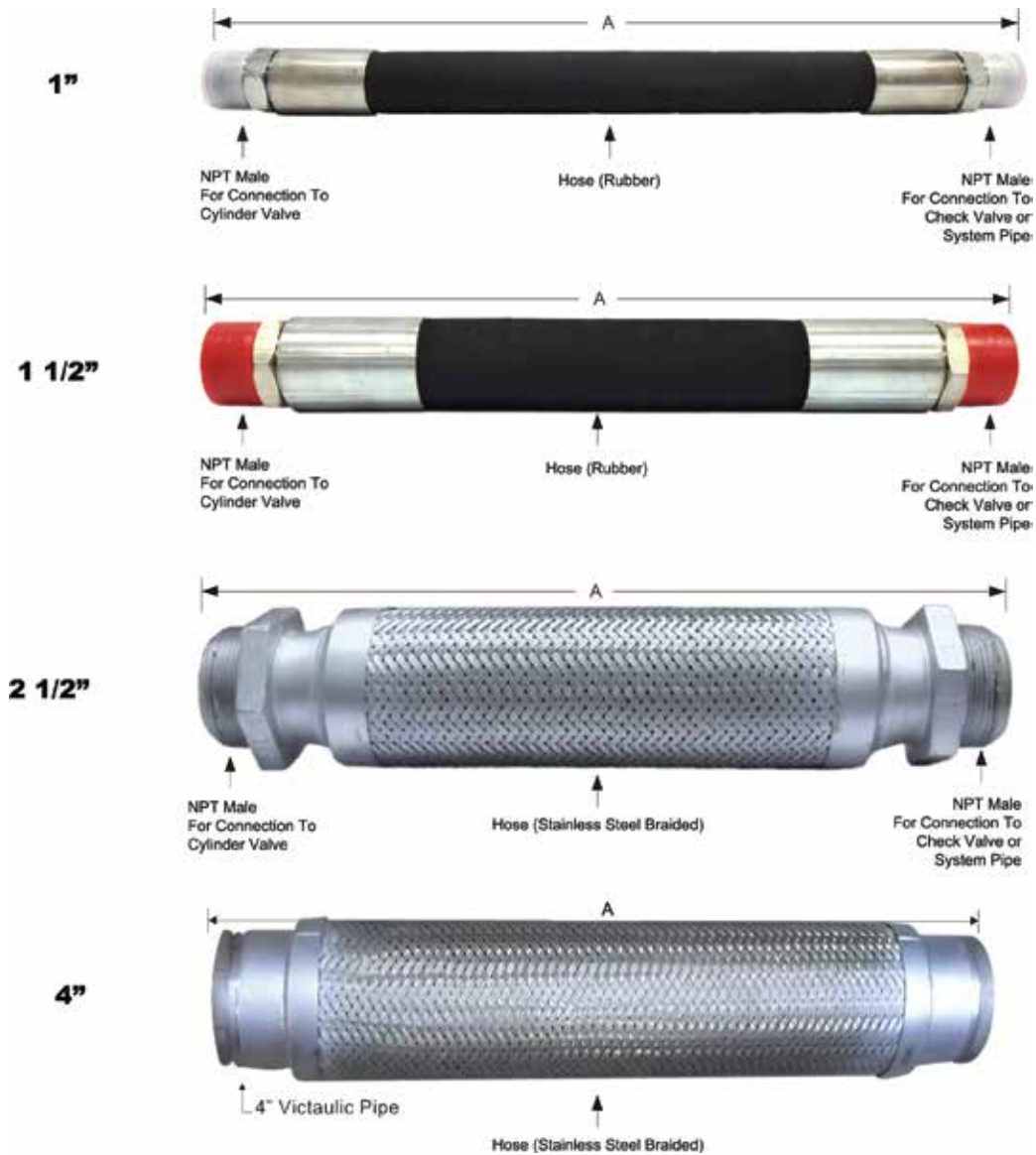
SCAN ME



pg 53

UNIQUE227 FIRE SUPPRESSION SYSTEM

Flexible Hoses (Optional Components)



TECHNICAL DATA			
Model No.	Diameter	A	Material
UFI 60255	1"	18"	Rubber
UFI 60256	1-1/2"	18"	Rubber
UFI 60257	2-1/2"	18"	Stainless Steel Braided
UFI 91230-C	3"	18"	Stainless Steel Braided
UFI 91230	4"	18"	Stainless Steel Braided



All specifications and information indicated in this catalogue are subjected to change without prior notice.

UNIQUE FIRE INDUSTRY SDN BHD Co. No. 418731-U

Address:

No. 9, Jalan Anggerik Mokara 31/55, Kota Kemuning, Seksyen 31, 40460, Shah Alam, Selangor, Malaysia

Contact :

Tel : +603 5131 1226

E-mail : contactus@uniquefire.com

Website: www.uniquefire.com

SCAN ME



Pressure Supervisory Switch (Optional Components)



TECHNICAL DATA		
Model No.	Description	Operation
UFI 50138-1	360psi	Normally Closed
UFI 50138-2	360psi	Normally Open

Pressure Gauge Guard (Optional Components)



TECHNICAL DATA		
Model No.	Size (NPT)	Material
UFI 70198-3	1/4"	Brass

All specifications and information indicated in this catalogue are subjected to change without prior notice.

UNIQUE FIRE INDUSTRY SDN BHD Co. No. 418731-U

Address:

No. 9, Jalan Anggerik Mokara 31/55, Kota Kemuning, Seksyen 31, 40460, Shah Alam, Selangor, Malaysia

Contact :

Tel : +603 5131 1226

E-mail : contactus@uniquefire.com

Website: www.uniquefire.com



SCAN ME



Pressure Supervisory Switch Guard (Optional Components)



TECHNICAL DATA		
Model No.	Size (NPT)	Material
UFI 70215-2	1/4"	Brass

Check Valve (Optional Components)



4"



1", 1-1/2", 2-1/2"

TECHNICAL DATA		
Model No.	Description	Valve Size
UFI 60261	Check Valve	1"
UFI 60262	Check Valve	1-1/2"
UFI 60263	Check Valve	2-1/2"
UFI 91231-3	Check Valve	3"

UNIQUE FIRE INDUSTRY SDN BHD Co. No. 418731-U

Address:

No. 9, Jalan Anggerik Mokara 31/55, Kota Kemuning, Seksyen 31, 40460, Shah Alam, Selangor, Malaysia

Contact :

Tel : +603 5131 1226

E-mail : contactus@uniquefire.com

Website: www.uniquefire.com

SCAN ME



UNIQUE227 FIRE SUPPRESSION SYSTEM



Unique Fire Suppression Control Panel FSP-02

(For Common Use in : Unique227 Fire Suppression System, Carbon Dioxide Fire Extinguishing system and Wet Chemical System)



TECHNICAL DATA	
Model No.	FSP-02
Control Panel Type (Weatherproof)	2 Zone 4 Zone
AC Input Voltage	240VAC ± 10%, 50Hz
DC Output Voltage	22 – 26VDC
Standby Battery	24VDC Rechargeable SLA Type
Charger Output (Voltage / Current)	27.6VDC / 0.6A
Fuses	2A
Alarm Zone EOL Resistor	4.7k ohm, 1/4W, 5% Carbon Film Type
Bell / Tripping EOL Resistor	4.7k ohm, 1/4W, 5% Carbon Film Type
Bell / Tripping / Output	22 – 26VDC
System Standby Current	80mA
Input / Output Contacts	Normally Open Voltage Free
Chassis Colour / Material	Electro Galvanised Steel (EG), Red Wrinkle Epoxy Coating
Cabinet Dimension (W x H x D)	2 Zone: 365mm x 330mm x 140mm 4 Zone: 440mm x 330mm x 140mm

All specifications and information indicated in this catalogue are subjected to change without prior notice.

UNIQUE FIRE INDUSTRY SDN BHD Co. No. 418731-U

Address:

No. 9, Jalan Anggerik Mokara 31/55, Kota Kemuning, Seksyen 31, 40460, Shah Alam, Selangor, Malaysia

Contact :

Tel : +603 5131 1226

E-mail : contactus@uniquefire.com

Website: www.uniquefire.com

SCAN ME



UNIQUE227 FIRE SUPPRESSION SYSTEM



Electronic Sounder Series 65db (Optional Components)

DESCRIPTION

DEMCO Electronic Sounder/Beacon D-155's compact design is acoustically very efficient, capable of generating high sound output (103 dBA) at low current levels (13mA at 24V DC). It also has a wide angle uniform sound distribution providing good audibility in all directions, thus making it ideal for fire, security and hazard warning. This conventional wall mount device is available in 4 tone versions with locally controllable output levels to enable the sound intensity to be adjusted to suit the application.

D-155 operates over a wide input voltage range of 8 to 35V DC, and is optimised for use at 12V and 24V systems. If required, the use of a third wire enables a second stage alarm to be switched to override the selected tone. These versatile features allow the model to work seamlessly with most detection systems incorporating central control equipment. Combining performance and functionality, DEMCO D-155 is designed to fully comply with EN 54 and meet protection rating of IP65.



TECHNICAL DATA		
Part No.	FAD-FBS-4T-D155	
D-155 (Sounder / Beacon)		
	Lowest	Highest
Output @ 1 metre 24VDC	68dB	95dB
Current @ 24VDC	13mA	22mA
Voltage Range	8 to 35VDC	
Operating Frequency	800Hz to 1000Hz	
Numbers of Tones	4	
Volume Control	Adjustment Screw	
Operating Temperatures	-20°C to +70°C	
Size (H x W x H)	107 x 95 x 99 mm	
Protection Classification	IP 65	
Approximate Weight	182g	

Demco Advantages

- Automatic sounder synchronization.
- High sound output, low current consumption.
- 4 On-board selectable tones.
- Adjustable volume control screw.
- ABS plastic body with polycarbonate Fresnel lens.
- High reliability and stable performance.
- High brightness LED.
- Fully EN54 compliance.
- Excellent value/price ratio.

*Applicable for Unique 227 Fire Suppression System

All specifications and information indicated in this catalogue are subjected to change without prior notice.

UNIQUE FIRE INDUSTRY SDN BHD Co. No. 418731-U

Address:

No. 9, Jalan Anggerik Mokara 31/55, Kota Kemuning, Seksyen 31, 40460, Shah Alam, Selangor, Malaysia

Contact :

Tel : +603 5131 1226

E-mail : contactus@uniquefire.com

Website: www.uniquefire.com

SCAN ME



pg 58

UNIQUE5112 Fire Suppression System

Unique Fire also offers FK-5-1-12 that has received the component recognition from Underwriters Laboratories (UL), and Factory Mutual (FM) that certify the technical specifications as required by NFPA 2001 in order to ensure the effective of clean agents in suppressing fires. Other fire extinguishing agents are available upon request.

Unique 5112 is a trademark of Unique's FK-5-1-12, Dodecafluoro-2-methylpentan-3-one. FK-5-1-12m-my2 is another widely used extinguishing clean agent. It is environmentally safe and best used in fire hazard areas containing A, B, & C classes of fire. It has been approved by US EPA and ISO for its safe characteristic and fire extinguishing effectiveness.

Clean Agents offered by Unique Fire is guaranteed to meet the minimum NFPA 2001

SCAN ME



DESCRIPTION

Unique Fire also offers FK-5-1-12 that has received the component recognition from Underwriters Laboratories (UL), and Factory Mutual (FM) that certify the technical specifications as required by NFPA 2001 in order to ensure the effective of clean agents in suppressing fires. Other fire extinguishing agents are available upon request.

Unique 5112 is a trademark of Unique's FK-5-1-12, Dodecafluoro-2-methylpentan-3-one. FK-5-1-12mmy2 is another widely used extinguishing clean agent. It is environmentally safe and best used in fire hazard areas containing A, B, & C classes of fire. It has been approved by US EPA and ISO for its safe characteristic and fire extinguishing effectiveness.

Clean Agents offered by Unique Fire is guaranteed to meet the minimum NFPA 2001 Requirement as follows.

TECHNICAL DATA	
CLEAN AGENT PROPERTIES	
IUPAC Name	1,1,1,2,2,4,5,5,5-Nonafluoro-4-(trifluoromethyl)-3-pentanone
ASHRAE Designation	FK-5-1-12
Synonym	Dodecafluoro-2-methylpentan-3-one
CAS Registry Number	756-13-8
Chemical Formula	CF ₃ CF ₂ CF ₂ CF ₂ CF ₃
Molecular Weight	316.04
Freezing Point	-162.4°F (-108°C)
Boiling Point at 760mmHg	49.2 °C / 120.6 °F
Critical Temperature	335.6°F (168.66°C)
Critical Density	39.91 lbm/ft ³ (639.1 kg/m ³)
Critical Pressure	270.44 psi (1,865 kPa)
Critical Volume	0.0251 f ³ /lbm (494.5 cc/mole)
Viscosity, Liquid at 77°F (25°C)	1.27 lb/ft-hr (0.524 cP)
Water Solubility at 70°F (21.1°C)	<0.001% by weight
PROPERTY REQUIREMENT	
Purity	99.0% (minimum)
Water Content (by weight)	0.001%
Non-Volatile Residue (g/100 ml)	0.05
Ozone Depletion Potential (ODP)	0
Global Warming Potential (GWP)	≤1
Atmospheric Lifetime (ATL)	0.014 years
US EPA SNAP (Yes/No)	Yes



All specifications and information indicated in this catalogue are subjected to change without prior notice.

UNIQUE FIRE INDUSTRY SDN BHD Co. No. 418731-U

Address:

No. 9, Jalan Anggerik Mokara 31/55, Kota Kemuning, Seksyen 31, 40460, Shah Alam, Selangor, Malaysia

Contact :

Tel : +603 5131 1226

E-mail : contactus@uniquefire.com

Website: www.uniquefire.com

SCAN ME



UNIQUE5112 Fire Suppression System



Cylinders

INTRODUCTION

Unique 5112 Engineered Systems, as outlined in this manual, are those that are intended to be designed and installed to protect single or multiple hazards within the limitations tested by a recognized testing agency as stated in this manual ONLY. Authorities Having Jurisdiction (AHJ) should follow the information the Standard on Clean Agent Extinguishing Systems NFPA 2001. The equipment described in this manual is listed by Underwriters Laboratories, Inc. in accordance to the Standard for Halocarbon Clean Agent Extinguishing System Units (UL 2166). Our total flooding fire extinguishing systems are UL listed to utilize the Unique 5112 from Unique Fire under UL File EX 15295.

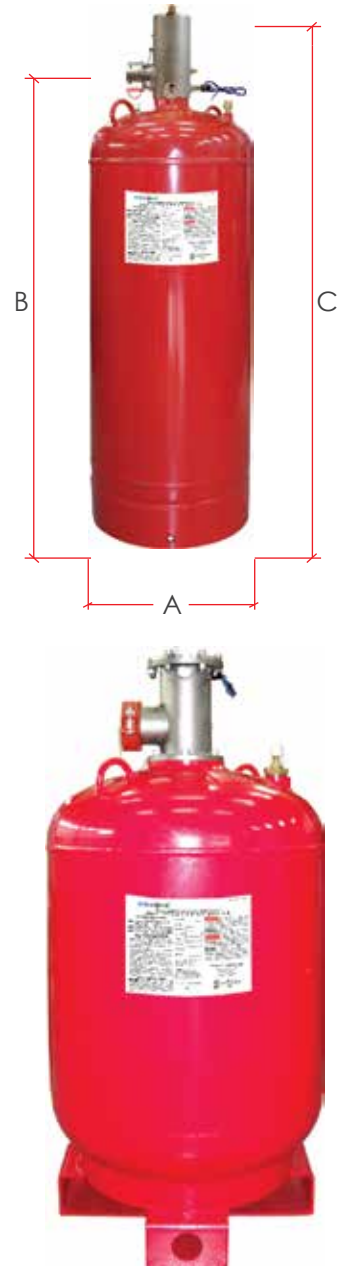
Cylinders

The Engineered Clean Agent System Cylinders are available in the following capacities: 20 lb, 35 lb, 70 lb, 100 lb, 150 lb, 250 lb, 375 lb 560 lb, 650 lb, 800 lb, 1000 lb and 1200 lb.

Cylinder Model

Unique 5112 Clean Agent cylinders are available in the following capacities :

TECHNICAL DATA							
Model No.	Cylinder Size	Max Fill at 75 lb/ft ³	Max Fill at 35 lb/ft ³	Dimension			Valve Size
				A	B	C	
UFI 70020-E*	20 lb	21 lb	11 lb	10.750"	13.632"	18.633"	1" Valve
UFI 70035-E*	35 lb	38 lb	18 lb*	10.750"	18.677"	23.678"	1" Valve
UFI 70070-E*	70 lb	76 lb	36 lb	10.750"	28.166"	33.167"	1" Valve
UFI 70100-F*	100 lb	108 lb	51 lb	12.795"	26.709"	31.709"	1" Valve
UFI 70150-E*	150 lb	163 lb	77 lb	12.795"	37.343"	43.172"	1 1/2" Valve
UFI 70250-E*	250 lb	271 lb	127 lb	16"	40.099"	45.928"	1 1/2" Valve
UFI 70375-E*	375 lb	406 lb	190 lb	16"	57.248"	65.351"	2 1/2" Valve
UFI 70560-E*	560 lb	601 lb	281 lb	20"	55.516"	63.619"	2 1/2" Valve
UFI 70650-E*	650 lb	712 lb	333 lb	20"	63.335"	71.438"	2 1/2" Valve
UFI 70650-F*	650 lb	712 lb	333 lb	20"	63.805"	72.569"	3" Valve
UFI 70800-E*	800 lb	900 lb	420 lb	30"	47.404"	58.941"	3" Valve
UFI 71000-E*	1000 lb	1112 lb	520 lb	30"	54.767"	66.303"	4" Valve
UFI 70800-F*	800 lb	900 lb	420 lb	30"	46.680"	55.438"	3" Valve
UFI 71000-F*	1000 lb	1112 lb	520 lb	30"	54.570"	62.801"	3" Valve
UFI 71200-E*	1200 lb	1297 lb	606 lb	30"	63.660"	73.500"	3" Valve



All specifications and information indicated in this catalogue are subjected to change without prior notice.

UNIQUE FIRE INDUSTRY SDN BHD Co. No. 418731-U

Address:

No. 9, Jalan Anggerik Mokara 31/55, Kota Kemuning, Seksyen 31, 40460, Shah Alam, Selangor, Malaysia

Contact :

Tel : +603 5131 1226

E-mail : contactus@uniquefire.com

Website: www.uniquefire.com

SCAN ME



UNIQUE5112 Fire Suppression System

Cylinder Bracket



TECHNICAL DATA			
Model No.	Description	Cylinder O.D	Mounting
UFI 50139	20, 35 & 70 lb Cylinder Bracket	10.75"	Wall
UFI 60780	100 & 150 lb Cylinder Bracket	12.80"	Wall
UFI 60760	250 & 375 lb Cylinder Bracket	16.00"	Wall
UFI 60770	560 & 650 lb Cylinder Bracket	20.00"	Wall
UFI 60790	800, 1000 & 1200 lb Cylinder Bracket	30.00"	Wall
UFI 60792	800, 1000 & 1200 lb Cylinder Bracket	30.00"	Floor

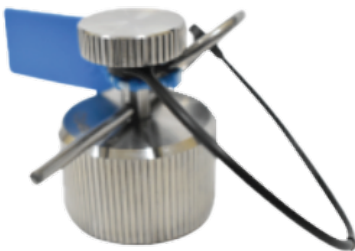
Discharge Nozzle



TECHNICAL DATA			
Model No.	Description	Model No.	Description
UFI 80704-2	½" (180°) Sidewall	UFI 80707-2	1 ¼" (180°) Sidewall
UFI 80704-3	½" (360°) Central	UFI 80707-3	1 ¼" (360°) Central
UFI 80705-2	¾" (180°) Sidewall	UFI 80708-2	1 ½" (180°) Sidewall
UFI 80705-3	¾" (360°) Central	UFI 80708-3	1 ½" (360°) Central
UFI 80706-2	1" (180°) Sidewall	UFI 80709-2	2" (180°) Sidewall
UFI 80706-3	1" (360°) Central	UFI 80709-3	2" (360°) Central

Note: Aluminium Material: UFI 6070*; Brass Material: UFI 7070*; SS Material: UFI 8070*;

Local Manual Control (Plunge Type)



Model Number : UFI 61033-2

The Local Manual Control Plunger Type features a local lever driven push rod that depresses a schrader check valve through the latching solenoid when fitted onto the top of the solenoid, thereby venting the pressure from the top of the piston in the cylinder valve, allowing the piston to slide upward and commence cylinder discharge

- Use for manual actuation of cylinder
- Equipped with safety pull pin to prevent accidental discharge
- Solid brass construction
- Stainless steel operation lock-pin

All specifications and information indicated in this catalogue are subjected to change without prior notice.

UNIQUE FIRE INDUSTRY SDN BHD Co. No. 418731-U

Address:

No. 9, Jalan Anggerik Mokara 31/55, Kota Kemuning, Seksyen 31, 40460, Shah Alam, Selangor, Malaysia

Contact :

Tel : +603 5131 1226

E-mail : contactus@uniquefire.com

Website: www.uniquefire.com

SCAN ME



UNIQUE5112 Fire Suppression System



Latching Solenoid

DESCRIPTION

Latching Solenoid is utilized to open a Schrader valve on the top fitting connector of the cylinder valve. The application gives an answer to a quick reaction and a high latching power to be utilized with the UNIQUE Fire Extinguishing Liquid Agent. It was resolved that a latching solenoid with a discretionary nearby manual control head is the best answer for the application.

The actuator is held in the latching position without power until a flag from the operator discharge control board removes the permanent magnet. Whenever discharge, the latching solenoid opens the cylinder valve enabling the quenching medium to release from the cylinder into the system. The latching solenoid is designed with an emergency release local manual control to manually force the pin to depress the cylinder valve to release the extinguishing medium when needed. In order to reset the system, the solenoid is to be manually returned to the latched position. This custom latching solenoid designed specifically for fire protection systems is UL listed and tested in accordance with UL508.

Features

- High latching forces
- Fast response
- Options
 - Manual release button cap
 - Reset tool
- UL approval-recognized to UL864
- Tested in accordance with UL508

Specification

Specification - Latching Solenoid

Model : UFI 50026-A

- Manual actuation force : 12lbf
- Power requirement : 24VDC
- Current : 0.5A
- Operating Temperature Range : -4°F to 131°F (-20°C to +55°C)
- Weight : 1.06kg
- Dimensions

Body Diameter : 1.75 in.



TECHNICAL DATA		
Model No.	Description	Electrical Rating
UFI 50026-A	Latching Solenoid	24 VDC
Length	4.17 or 5.9 in (106 or 150 mm) with manual actuation cap	

All specifications and information indicated in this catalogue are subjected to change without prior notice.

UNIQUE FIRE INDUSTRY SDN BHD Co. No. 418731-U

Address:

No. 9, Jalan Anggerik Mokara 31/55, Kota Kemuning, Seksyen 31, 40460, Shah Alam, Selangor, Malaysia

Contact :

Tel : +603 5131 1226

E-mail : contactus@uniquefire.com

Website: www.uniquefire.com

SCAN ME



UNIQUE5112 Fire Suppression System

Context Plus EP203/CON



Quality System Certificate No: 176
Assessed to ISO9001 : 2008



LPCB Ref. 176a
to BS EN 54 pt 2 & 4

TECHNICAL SPECIFICATION

Power Supply Specification	
Part No.	UFI227-ARCP
Main supply voltage	230 Vac , 50/60 Hz
Internal power supply	24 Vdc nominal
Max. output current	3A @ 230 Vac
Power rating (including charging)	1.5A cont, 3A peak
Detector Circuit Specification	
Number of conventional circuits	3 @ 21-28 Vdc
Max. no. of smoke/heat detectors per circuit	20
Max. combined no. of detectors & manual call points per circuit	32
Sounder Circuit Specification	
Number of conventional circuits	3 (two x 1st stage, one x 2nd stage)
Max. number of polarised sounder per circuit	10 @ 20mA each
Dimension	
Front Cover	467mm(W) x 293mm(H) x 100mm(D)
Back Cover	439mm(W) x 276mm(H) x 70mm (D)
Material of Case	Metal

*Applicable for Unique 227 Fire Suppression System

UNIQUE FIRE INDUSTRY SDN BHD Co. No. 418731-U

Address:

No. 9, Jalan Anggerik Mokara 31/55, Kota Kemuning, Seksyen 31, 40460, Shah Alam, Selangor, Malaysia

Contact :

Tel : +603 5131 1226

E-mail : contactus@uniquefire.com

Website: www.uniquefire.com

SCAN ME



pg 64

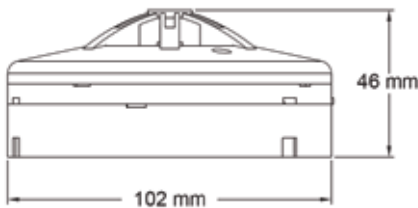
UNIQUE5112 Fire Suppression System



UNIQUE AH-0626 Heat Detector



CONFIRMING TO
ANSI/UL 521



TECHNICAL DATA			
Model	AH-0626-2	AH-0626-3	AH-0626-4
Alarm Contact	N/A	N/A	0.8A @30V DC 0.4A @ 125V AC
Voltage Range	12 ~ 30V DC		
Alarm Current @ 24V DC 470Ω	40mA	40mA	45mA
Standby Current @ 24 V DC 470Ω	20 ~ 70μA		
Thermal Setting	60°C		
Ambient Temperature	0°C ~ +37.8°C		
Material	Fire-proof plastic		
Dimensions	102mm (Dia.) x 46mm(H)		
Weight	120g	120g	130g
Color	White		
Order information			
AH-0626-2	2-wire		
Effective alert area			
Construction/ Height	Under 4m		4m~ 8m
Fire-proof Building	90 m ²		45 m ²
Ordinary Building	50 m ²		30 m ²

*Applicable for Unique 227 Fire Suppression System

UNIQUE AH-0333 Heat Detector



TECHNICAL DATA		
Model No.	AH-0333	
Part No.	FAE-H0333	
Description	2 Wire	
Alarm Current @ 24V DC 470 Ω	40mA	
Operating Temperature Range	0°C to 55°C	
Voltage Range	12V-30V DC	
Sensitivity Setting	Rise rapidly in 30°C / per 30sec.	
Material	Plastic	
Size	Ø111mm x 45mm (H)	
Weight	130g	
Colour	White	
EFFECTIVE ALERT AREA		
Construction/ Height	Under 4M	4M~ 8M
Fire-proof Building	90m ²	45m ²
Ordinary Building	50m ²	30m ²

*Applicable for Unique 227 Fire Suppression System and Carbon Dioxide Fire Extinguishing System

UNIQUE FIRE INDUSTRY SDN BHD Co. No. 418731-U

Address:

No. 9, Jalan Anggerik Mokara 31/55, Kota Kemuning, Seksyen 31, 40460, Shah Alam, Selangor, Malaysia

Contact:

Tel : +603 5131 1226

E-mail : contactus@uniquefire.com

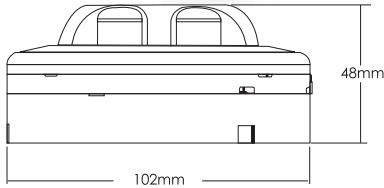
Website: www.uniquefire.com

SCAN ME



UNIQUE5112 Fire Suppression System

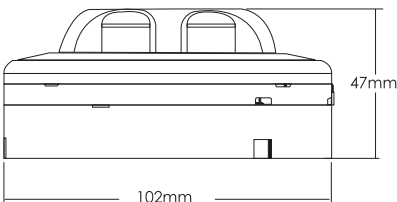
UNIQUE AH-0621 Photoelectric Smoke Detector



Specifications			
Part No.	F AE-P0621	F AE-P0621-3	F AE-P0621-4
Model No.	AH-0621-2	AH-0621-3	AH-0621-4
Alarm Contact	N/A	N/A	0.8A@30V DC 0.4A@125V AC
Voltage Range	12 ~ 30V DC		
Alarm Current @ 24V DC 470Ω	50mA	59mA	45mA
Standby Current @ 24V DC 470Ω	140μA		25 – 75 μA
Sensitivity Setting	Comply to UL268		
Ambient Temperature	0°C ~ +37.8°C		
Material	Plastic		
Dimensions	102mm (Dia.) x 48mm(H)		
Weight	130g	130g	145g
Color	White		
Order information			
AH-0621-2	2-wire		
AH-0621-3	3-wire with remote indicator input		
AH-0621-4	4-wire with relay output		
Effective alert area			
Building Height	Under 4m	4m to 20m	
Area Covered	150 m ²	75 m ²	

*Applicable for Unique 227 Fire Suppression System

UNIQUE AH-0711 Photoelectric Smoke Detector



TECHNICAL DATA	
Model No.	AH-0711
Part No.	F AE-P0711
Description	2 Wire
Alarm Current @ 24V DC 470 Ω	40mA
Operating Temperature Range	-10°C to 55°C
Voltage Range	12V-30V DC
Standby Current @ 24V DC 470 Ω	25 - 75 μA
Sensitivity Setting	Comply to UL268
Material	Plastic
Size	Ø102mm x 50mm (H)
Weight	130g
Colour	White
EFFECTIVE ALERT AREA	
Building Height	Under 4m 4m to 20m
Area Covered	150m ² 75m ²

*Applicable for Unique 227 Fire Suppression System and Carbon Dioxide Fire Extinguishing System

UNIQUE FIRE INDUSTRY SDN BHD Co. No. 418731-U

Address:

No. 9, Jalan Anggerik Mokara 31/55, Kota Kemuning, Seksyen 31, 40460, Shah Alam, Selangor, Malaysia

Contact :

Tel : +603 5131 1226

E-mail : contactus@uniquefire.com

Website: www.uniquefire.com

SCAN ME



UNIQUE5112 Fire Suppression System

DEMCO Motorized Bell



TECHNICAL DATA				
Model no.	DC Type	Decibel Rating @ 1m (3ft)		
	Voltage	Amps	150mm (6")	200mm (8")
D132	12	0.05	95 dB	95 dB
	24	0.03	95 dB	103 dB
	Net / Gross Weight		748 / 812g	1130 / 1280g

UNI-132 UNIQUE Motorized Bell



TECHNICAL DATA				
Model no.	DC Type	Decibel Rating @ 1m (3ft)		
	Voltage	Amps	150mm (6")	200mm (8")
UNI-132	12	0.05	95 dB	95 dB
	24	0.03	95 dB	103 dB
	Net / Gross Weight		748 / 812g	1130 / 1280g

UNIQUE Fire Alarm Bell



TECHNICAL DATA			
Model No.	UNI-102		
Part No.	FAE-6AB		
Supply Voltage	110/ 240V (AC)		
	12/24V (DC)		
Sound Output	92 - 105 dB		
Current Consumption	0.05 A		
Size	150mm(6")		
Finishing	Red		
DECIBEL SPECIFICATION			
AC Type		Decibel Rating @ 1m (3ft)	
Voltage	Amps	150mm (6")	200mm (8")
110	0.015	95dB	97dB
240	0.033	105dB	106dB
DC Type		Decibel Rating @ 1m (3ft)	
12	0.08	99dB	100dB
24	0.05	103dB	105dB

All specifications and information indicated in this catalogue are subjected to change without prior notice.

UNIQUE FIRE INDUSTRY SDN BHD Co. No. 418731-U

Address:

No. 9, Jalan Anggerik Mokara 31/55, Kota Kemuning, Seksyen 31, 40460, Shah Alam, Selangor, Malaysia

Contact :

Tel : +603 5131 1226

E-mail : contactus@uniquefire.com

Website: www.uniquefire.com

SCAN ME



UNIQUE5112 Fire Suppression System

GP Sealed Lead Acid Battery



TECHNICAL DATA (GP)			
Part No.	GPP1272	GPP12120	GPP12170
Model No.	BAT-007AH-GP	BAT-012AH-GP	BAT-017AH-GP
Nominal Voltage (V)	12	12	12
Capacity (AH)	7.2	12.0	17.0
Length (mm)	151	151	181
Width (mm)	65	98	77
Height (mm)	94	95	167
Total Height (mm)	100	101	167
Weight (kg)	2.35	3.70	5.50

UNIQUE Sealed Lead Acid Battery



TECHNICAL DATA (UNIQUE)							
Model	Part No.	Nominal Voltage (V)	Capacity (AH)	Length (mm)	Width (mm)	Height (mm)	Approx. Weight (kg)
12V 7AH	BAT-007AH	12	7	151	65	100	2.05
12V 10AH	BAT-010AH	12	10	151	98	100	3.20
12V 12AH	BAT-012AH	12	12	151	98	100	3.45
12V 18AH	BAT-018AH	12	18	180	76	166	5.10
12V 26AH	BAT-026AH	12	26	176	166	127	7.80
12V 40AH	BAT-040AH	12	40	197	165	170	12.20
12V 65AH	BAT-065AH	12	65	355	167	193	20.20
12V 100AH	BAT-100AH	12	100	330	170	240	29.50
12V 120AH	BAT-120AH	12	120	405	174	233	35.6

UNIQUE Twin Flashing Lights



TECHNICAL DATA	
Model No.	UNI-104 WP/L
Part No.	FAE-FLO-LED
Lens	High efficient prismatic polycarbonate lens optimized for omnidirectional viewing.
Luminary	Filament Bulb/Ultra Bright LED
Size	210mm(W) x 77mm(D) x 108mm(H)
Material (Casing & Hood)	Mild Steel
Finishing	Black casing with green and red lens
Operating Current	0.02A

*Applicable for Unique 227 Fire Suppression System and Carbon Dioxide Fire Extinguishing System

All specifications and information indicated in this catalogue are subjected to change without prior notice.

UNIQUE FIRE INDUSTRY SDN BHD Co. No. 418731-U

Address:

No. 9, Jalan Anggerik Mokara 31/55, Kota Kemuning, Seksyen 31, 40460, Shah Alam, Selangor, Malaysia

Contact :

Tel : +603 5131 1226

E-mail : contactus@uniquefire.com

Website: www.uniquefire.com

SCAN ME



UNIQUE5112 Fire Suppression System

Evacuate Sign



TECHNICAL DATA

Model No.	UNI-110L
Part No.	FAE-ES
Dimension	260 (L) x 110 (H) x 80 (W) mm
Lens Colour	Red
Casing Colour	Black
Lens Material	Polycarbonate
Casing Material	Mild Steel
Operating Voltage	24V DC
Operating Current	0.03A

*Applicable for Unique 227 Fire Suppression System

UNIQUE Manual Key Switch



TECHNICAL DATA

Model No.	UNI-105
Part No.	FAE-KS
Size	105mm(W) x 105mm(D) x 100mm(H)
Material	ABS Plastic
Weight	0.76kg
Colour	Signal Red

All specifications and information indicated in this catalogue are subjected to change without prior notice.

UNIQUE FIRE INDUSTRY SDN BHD Co. No. 418731-U

Address:

No. 9, Jalan Anggerik Mokara 31/55, Kota Kemuning, Seksyen 31, 40460, Shah Alam, Selangor, Malaysia

Contact :

Tel : +603 5131 1226

E-mail : contactus@uniquefire.com

Website: www.uniquefire.com

SCAN ME



UNIQUE5112 Fire Suppression System

Power Line Surge Protector

UNIQUE5112[®]



TECHNICAL DATA	
Model No.	240-5A-PKT10
Part No.	UFI227SP-S.FILTER
Location Category	Indoor, Boundary LPZ1 – LPZ2
Standard Compliance	IEC 61643-1 Class III, AS / NZS 1768, IEEE C62.41, IEC 6-1000-4-5, UL1449 3rd Edition
Number Of Ports	1
Method Of Mounting	Fixed (DIN 35mm Railway)
Maximum Continuous Operating Voltage (U _c)	300V
Nominal Continuous Operating Voltage (U _n)	240V
Maximum Discharge Current (I _{max})(8/20μs)	10kA
Nominal Discharge Current (I _n)(8/20μs)	3kA
Rated load current (I _l)	5A
Protection Level (U _p)	<600V
Mode of protection	L-L, L-E, L-N & N-E
IP Code	IP20
Dimensions	92mmx17mmx62mm
Working environments	Temperature -40°C to +70°C, Relative Humidity ≤ 95%
Cable size	0.75 – 2.5mm ²

*Applicable for Unique 227 Fire Suppression System



All specifications and information indicated in this catalogue are subjected to change without prior notice.

UNIQUE FIRE INDUSTRY SDN BHD Co. No. 418731-U

Address:

No. 9, Jalan Anggerik Mokara 31/55, Kota Kemuning, Seksyen 31, 40460, Shah Alam, Selangor, Malaysia

Contact :

Tel : +603 5131 1226

E-mail : contactus@uniquefire.com

Website: www.uniquefire.com

SCAN ME



pg 70

UNIQUE5112 Fire Suppression System

Signal Line Surge Protector

UNIQUE5112[®]



TECHNICAL DATA	
Model No.	SP1-24PKT-DC
Part No.	UFI227SP-S.LINE
Standard Compliance	5kV (10/700 μs) to International Telecommunication Union (ITU-T K.20, K.21 and K.45)
Maximum Operating Voltage, U_c	32Vdc
Nominal Voltage, U_n	42Vdc
Maximum discharge current, I_{max} (8/20μs)	10kA
Nominal discharge current, I_n (8/20 μs)	5kA
Load Current, I_L	2A
Voltage protection level, U_p (10/700μs, 5kV)	<48Vdc
In-line resistance (per line ± 10%)	<1.0Ω
Response time, t_A	≤ 1ns
Frequency (at -3dB)	20MHz
Insertion loss	≤ 0.5dB
Protection Mode	Line-Line and Line-PE
Method of mounting	DIN 35mm railway
IP code	IP20
Dimensions	90mm x 65mm x 13mm :Pluggable
Working environments	Temperature -20°C - +80°C, Relative humidity ≤ 95%

*Applicable for Unique 227 Fire Suppression System



All specifications and information indicated in this catalogue are subjected to change without prior notice.

UNIQUE FIRE INDUSTRY SDN BHD Co. No. 418731-U

Address:

No. 9, Jalan Anggerik Mokara 31/55, Kota Kemuning, Seksyen 31, 40460, Shah Alam, Selangor, Malaysia

Contact :

Tel : +603 5131 1226

E-mail : contactus@uniquefire.com

Website: www.uniquefire.com

SCAN ME



Room Integrity Test

Enclosure Integrity Test

Now, the NFPA 2001, NFPA 12A, ISO 14520 and EN 15004 recognize an enclosure integrity test as part of the acceptance procedure for all clean agent systems. This includes halocarbon and inert agents. The comprehensive test and calculation procedure predicts how long the agent would stay in the room if it were ever discharged.

The Enclosure Integrity Test's primary goal is to predict the enclosure's retention time in the event that the Clean Agent Fire Suppression System is discharged. This is accomplished by performing a Door-Fan test.



What is a Door Fan Test ?

Door Fan Test, also known as a Room Integrity Fan Test, is simply a way to measure the leakage of a protected room. A large fan is temporarily installed in the doorway of the protected room to be tested, with the fan blowing into the room (pressurizing the room). The fan speed is adjusted to obtain flow pressure equivalent to the pressure exerted during a fire suppression system discharge. The fan is then reversed on the door to draw air from the room (depressurizing the room). The airflow and pressure readings obtained are entered into a computer program designed to calculate the equivalent leakage area (ELA) for the room. Then, the software will calculate the retention time and determine whether it exceeds the minimum retention time of 10 minutes.

All specifications and information indicated in this catalogue are subjected to change without prior notice.

UNIQUE FIRE INDUSTRY SDN BHD Co. No. 418731-U

Address:

No. 9, Jalan Anggerik Mokara 31/55, Kota Kemuning, Seksyen 31, 40460, Shah Alam, Selangor, Malaysia

Contact :

Tel : +603 5131 1226

E-mail : contactus@uniquefire.com

Website: www.uniquefire.com

SCAN ME



UNIQUE5112 Fire Suppression System

Liquid Level Indicator (Optional Components)



DESCRIPTION

The liquid level indicator is a simple, manually operated device, which provides a means to determine the Clean Agent liquid level in vertically mounted agent storage containers. Once the liquid level is determined, it can then be converted into the weight of Clean Agent present in the agent storage container.

OPERATION

A magnet equipped float moves with the liquid level along the unit stem. Level readout is obtained by simply removing the protective cap and pulling out a calibrated tape until magnetic interlock with the float is felt. With the tape in this position, the reading is obtained at the point where the tape emerges from the unit housing.

When the liquid level is determined, the reading is then referred to a chart in the Engineering Manual and the corresponding weight of Clean Agent is determined. Accurate readings can be obtained over a +40F to +90F temperature range.

FEATURES

- Reduced maintenance time — weight in an agent storage container can be determined in a fraction of the time it would take to remove and weigh them.
- Continuous fire protection — use of the liquid level indicator does not require taking out the cylinder from the system, thus providing uninterrupted fire protection.
- Field installation capability — the indicator can easily be installed in the field using a single wrench as long as the container is empty and is equipped with a mounting boss.
- Compact — when not in use, the unit requires no more space than that required by the container.
- Flexibility — the flexible tape design allows the unit to be used in tight spaces that would otherwise hinder the use of a rigid type indicator "stick".
- Availability — units are available for all Unique containers from sizes of



Model Number	Description
UFI 60020	Liquid Level Indicator for 150 LB & 250 LB cylinders
UFI 60020-1	Liquid Level Indicator for 375 LB & 560 LB cylinders
UFI 60020-5	Liquid Level Indicator for 650 LB cylinders
UFI 60020-4	Liquid Level Indicator for 800 LB cylinders
UFI 60020-3	Liquid Level Indicator for 1000 LB cylinders
UFI 60020-2	Liquid Level Indicator for 1200 LB cylinders

All specifications and information indicated in this catalogue are subjected to change without prior notice.

UNIQUE FIRE INDUSTRY SDN BHD Co. No. 418731-U

Address:

No. 9, Jalan Anggerik Mokara 31/55, Kota Kemuning, Seksyen 31, 40460, Shah Alam, Selangor, Malaysia

Contact :

Tel : +603 5131 1226

E-mail : contactus@uniquefire.com

Website: www.uniquefire.com

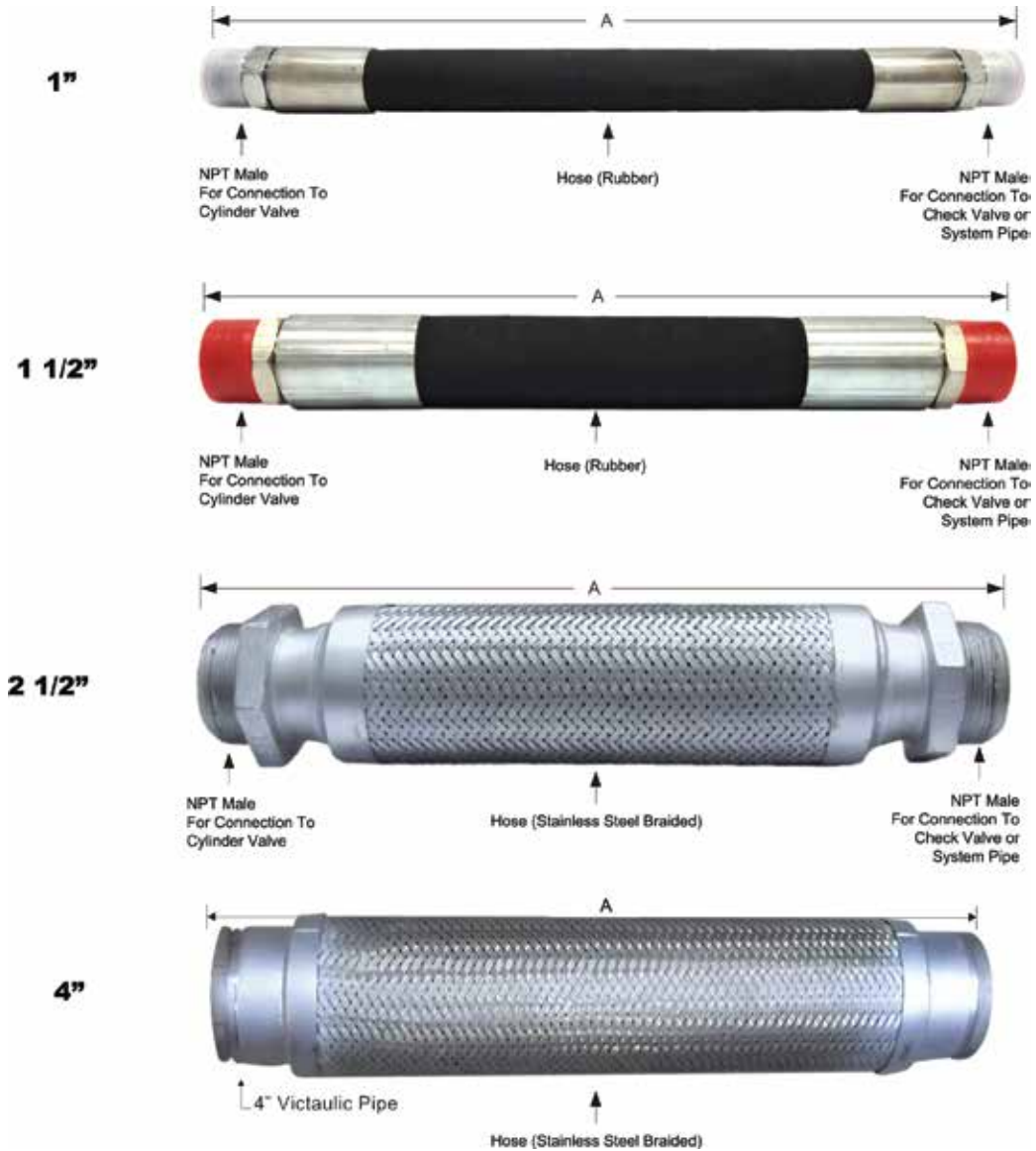
SCAN ME



pg 74

UNIQUE5112 Fire Suppression System

Flexible Hoses (Optional Components)



TECHNICAL DATA			
Model No.	Diameter	A	Material
UFI 60255	1"	18"	Rubber
UFI 60256	1-1/2"	18"	Rubber
UFI 60257	2-1/2"	18"	Stainless Steel Braided
UFI 91230-C	3"	18"	Stainless Steel Braided
UFI 91230	4"	18"	Stainless Steel Braided



All specifications and information indicated in this catalogue are subjected to change without prior notice.

UNIQUE FIRE INDUSTRY SDN BHD Co. No. 418731-U

Address:

No. 9, Jalan Anggerik Mokara 31/55, Kota Kemuning, Seksyen 31, 40460, Shah Alam, Selangor, Malaysia

Contact :

Tel : +603 5131 1226

E-mail : contactus@uniquefire.com

Website: www.uniquefire.com

SCAN ME



Pressure Supervisory Switch (Optional Components)



TECHNICAL DATA		
Model No.	Description	Operation
UFI 50138-1	360psi	Normally Closed
UFI 50138-2	360psi	Normally Open

Pressure Gauge Guard (Optional Components)



TECHNICAL DATA		
Model No.	Size (NPT)	Material
UFI 70198-3	1/4"	Brass

All specifications and information indicated in this catalogue are subjected to change without prior notice.

UNIQUE FIRE INDUSTRY SDN BHD Co. No. 418731-U

Address:

No. 9, Jalan Anggerik Mokara 31/55, Kota Kemuning, Seksyen 31, 40460, Shah Alam, Selangor, Malaysia

Contact :

Tel : +603 5131 1226

E-mail : contactus@uniquefire.com

Website: www.uniquefire.com



SCAN ME



Pressure Supervisory Switch Guard (Optional Components)



TECHNICAL DATA

Model No.	Size (NPT)	Material
UFI 70215-2	1/4"	Brass

Check Valve (Optional Components)



4"



1" , 1-1/2" , 2-1/2"

TECHNICAL DATA

Model No.	Description	Valve Size
UFI 60261	Check Valve	1"
UFI 60262	Check Valve	1-1/2"
UFI 60263	Check Valve	2-1/2"
UFI 91231-3	Check Valve	3"

UNIQUE FIRE INDUSTRY SDN BHD Co. No. 418731-U

Address:

No. 9, Jalan Anggerik Mokara 31/55, Kota Kemuning, Seksyen 31, 40460, Shah Alam, Selangor, Malaysia

Contact :

Tel : +603 5131 1226

E-mail : contactus@uniquefire.com

Website: www.uniquefire.com

SCAN ME



pg 77

UNIQUE5112 Fire Suppression System



Unique Fire Suppression Control Panel FSP-02

(For Common Use in : Unique227 Fire Suppression System, Carbon Dioxide Fire Extinguishing system and Wet Chemical System)



TECHNICAL DATA		
Model No.	FSP-02	
Control Panel Type (Weatherproof)	2 Zone	4 Zone
AC Input Voltage	240VAC \pm 10%, 50Hz	
DC Output Voltage	22 – 26VDC	
Standby Battery	24VDC Rechargeable SLA Type	
Charger Output (Voltage / Current)	27.6VDC / 0.6A	
Fuses	2A	
Alarm Zone EOL Resistor	4.7k ohm, 1/4W, 5% Carbon Film Type	
Bell / Tripping EOL Resistor	4.7k ohm, 1/4W, 5% Carbon Film Type	
Bell / Tripping / Output	22 – 26VDC	
System Standby Current	80mA	
Input / Output Contacts	Normally Open Voltage Free	
Chassis Colour / Material	Electro Galvanised Steel (EG), Red Wrinkle Epoxy Coating	
Cabinet Dimension (W x H x D)	2 Zone: 365mm x 330mm x 140mm	4 Zone: 440mm x 330mm x 140mm

All specifications and information indicated in this catalogue are subjected to change without prior notice.

UNIQUE FIRE INDUSTRY SDN BHD Co. No. 418731-U

Address:

No. 9, Jalan Anggerik Mokara 31/55, Kota Kemuning, Seksyen 31, 40460, Shah Alam, Selangor, Malaysia

Contact :

Tel : +603 5131 1226

E-mail : contactus@uniquefire.com

Website: www.uniquefire.com

SCAN ME



UNIQUE5112 Fire Suppression System



Electronic Sounder Series 65db (Optional Components)

DESCRIPTION

DEMCO Electronic Sounder/Beacon D-155's compact design is acoustically very efficient, capable of generating high sound output (103 dBA) at low current levels (13mA at 24V DC). It also has a wide angle uniform sound distribution providing good audibility in all directions, thus making it ideal for fire, security and hazard warning. This conventional wall mount device is available in 4 tone versions with locally controllable output levels to enable the sound intensity to be adjusted to suit the application.

D-155 operates over a wide input voltage range of 8 to 35V DC, and is optimised for use at 12V and 24V systems. If required, the use of a third wire enables a second stage alarm to be switched to override the selected tone. These versatile features allow the model to work seamlessly with most detection systems incorporating central control equipment. Combining performance and functionality, DEMCO D-155 is designed to fully comply with EN 54 and meet protection rating of IP65.



TECHNICAL DATA		
Part No.	FAD-FBS-4T-D155	
D-155 (Sounder / Beacon)		
	Lowest	Highest
Output @ 1 metre 24VDC	68dB	95dB
Current @ 24VDC	13mA	22mA
Voltage Range	8 to 35VDC	
Operating Frequency	800Hz to 1000Hz	
Numbers of Tones	4	
Volume Control	Adjustment Screw	
Operating Temperatures	-20°C to +70°C	
Size (H x W x H)	107 x 95 x 99 mm	
Protection Classification	IP 65	
Approximate Weight	182g	

Demco Advantages

- Automatic sounder synchronization.
- High sound output, low current consumption.
- 4 On-board selectable tones.
- Adjustable volume control screw.
- ABS plastic body with polycarbonate Fresnel lens.
- High reliability and stable performance.
- High brightness LED.
- Fully EN54 compliance.
- Excellent value/price ratio.

*Applicable for Unique 227 Fire Suppression System

All specifications and information indicated in this catalogue are subjected to change without prior notice.

UNIQUE FIRE INDUSTRY SDN BHD Co. No. 418731-U

Address:

No. 9, Jalan Anggerik Mokara 31/55, Kota Kemuning, Seksyen 31, 40460, Shah Alam, Selangor, Malaysia

Contact :

Tel : +603 5131 1226

E-mail : contactus@uniquefire.com

Website: www.uniquefire.com

SCAN ME



pg 79

CARBON DIOXIDE FIRE EXTINGUISHING SYSTEM

Carbon dioxide (CO₂) is a well-known extinguishing system for electrical equipment. The system consists of liquefied CO₂ stored in pressurised cylinder, discharge valves, piping and electrical devices that automatically detect smoke or heat and quickly discharge the CO₂ in the cylinders to extinguish the fire.

SCAN ME



A. Liquefied Carbon Dioxide (CO₂)

CO₂ is an odourless, colourless, and incombustible gas present in the atmosphere. Not only is this gas non-corrosive in nature, it is also non-conductive and will not cause any form of electrical damage.

CO₂ extinguishes fire mainly by reducing the concentration of oxygen and /or the gaseous phase of fuel in the air, to the point where combustion stops.



This makes it ideal for use in the protection of: -

- Gaseous and liquid flammable materials
- Electrical Hazards
- Engines using gasoline and other flammable fuels
- Ordinary combustibles
- Hazardous solids

However, CO₂ will not extinguish fires when the following materials are actively involved in the combustion process:-

- Chemicals containing their own supply of oxygen
- Reactive metals
- Metal hydrides

B. CO₂ Cylinder Modules

Our CO₂ cylinders can be connected to a manifold via a non-return valve. This enables the removal of cylinders individually, without compromising on the general protection of the system.

The cylinders can generally be grouped in rows, in any combinations desired. However, a single or double row arrangement would be recommended for economical space utilisation.

The cylinders are tested to 225 bars and conform to DOT-3AA & BS 5045 PART 1 , NFPA 12.

All specifications and information indicated in this catalogue are subjected to change without prior notice.

UNIQUE FIRE INDUSTRY SDN BHD Co. No. 418731-U

Address:

No. 9, Jalan Anggerik Mokara 31/55, Kota Kemuning, Seksyen 31, 40460, Shah Alam, Selangor, Malaysia

Contact :

Tel : +603 5131 1226

E-mail : contactus@uniquefire.com

Website: www.uniquefire.com

SCAN ME



C. Solenoid Operated Pilot Cylinder

The pilot cylinder provides nitrogen gas at the pressure of 550 psi, and based on the pressure calculation it can operate the pneumatic actuation of up to 210 units of cylinder within a system.

The solenoid valve opens upon the supply of 24VDC, allowing gas to flow from the cylinder onto the manual / pneumatic actuator fitted to the pilot valve. The pilot valve then opens, releasing gas onto the CO₂ pneumatic valve. The pilot cylinder may also be operated manually, either locally at the pilot cylinder or remotely by pull cable and pull box.

NOTE:

1. The pilot cylinder would have to be recharged should the pressure falls below 400 psi, or the required pressure.
2. The solenoid pilot cylinder would have to be installed away from the 45kg CO₂ cylinder(s).
3. Assume that there are no leaks on the actuation line.
4. The time to actuate all cylinders may take more than 10 seconds which may not be acceptable by AHJ.



D. Release Unit

The release and subsequent discharge of the CO₂ gas can be affected either manually and / or automatically.

Manual Actuation

The manual release actuation is effected by just pulling the release handle at the cylinder valve.

Automatic Actuation

Detectors responding to a fire condition transmit a signal to the suppression panel, which then activates the release mechanism.

All specifications and information indicated in this catalogue are subjected to change without prior notice.

UNIQUE FIRE INDUSTRY SDN BHD Co. No. 418731-U

Address:

No. 9, Jalan Anggerik Mokara 31/55, Kota Kemuning, Seksyen 31, 40460, Shah Alam, Selangor, Malaysia

Contact :

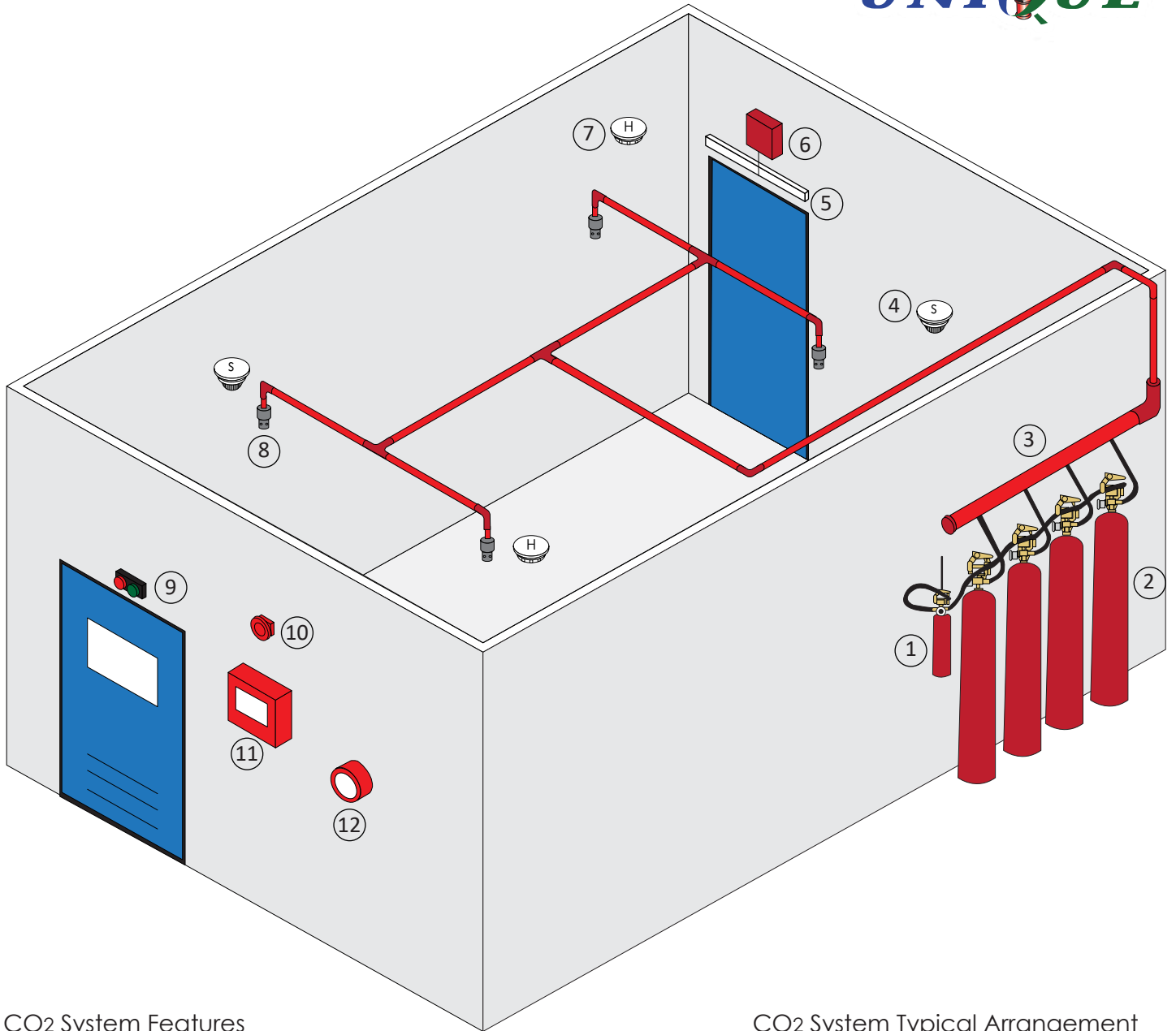
Tel : +603 5131 1226

E-mail : contactus@uniquefire.com

Website: www.uniquefire.com

SCAN ME





CO2 System Features

- Leaves no residue after discharge
- Eco-friendly agent
- Non-damaging to property
- Effective on a wide range of flammable and combustible materials.

System Applications

- Electrical Room
- Generator Room
- Switch Room

CO2 System Typical Arrangement

1. Electric Solenoid Pilot Cylinder (550 psi)
2. 68L Carbon Dioxide Cylinder
3. Manifold
4. Smoke Detector
5. Smoke Curtain
6. 24V DC Tripping Device
7. Heat Detector
8. CO₂ Discharge Nozzle
9. Twin Flasing Light
10. Fire Alarm Bell
11. CO₂ Control Panel
12. Manual Pull Station

All specifications and information indicated in this catalogue are subjected to change without prior notice.

UNIQUE FIRE INDUSTRY SDN BHD Co. No. 418731-U

Address:

No. 9, Jalan Anggerik Mokara 31/55, Kota Kemuning, Seksyen 31, 40460, Shah Alam, Selangor, Malaysia

Contact :

Tel : +603 5131 1226

E-mail : contactus@uniquefire.com

Website: www.uniquefire.com

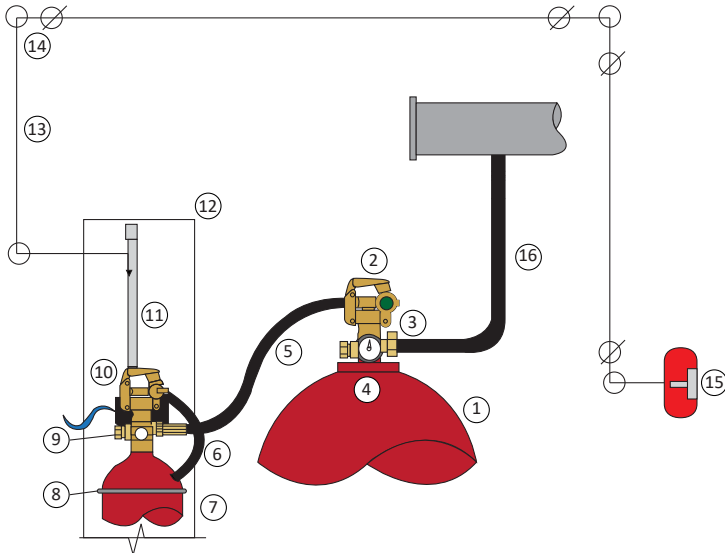
SCAN ME



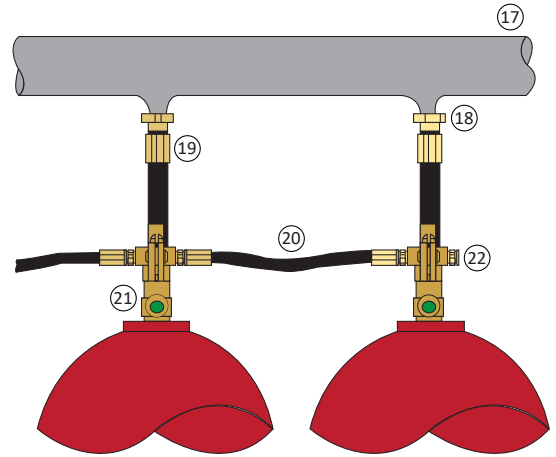
CARBON DIOXIDE FIRE EXTINGUISHING SYSTEM



Pilot & Cylinder Arrangement



Pilot Cylinder Arrangement



Cylinder Arrangement

Pilot & Cylinder Arrangement

1. 68L CO₂ Cylinder c/w 45kg CO₂ gas
2. Ø20mm Pneumatic Operated Cylinder Valve
3. Ø20mm Outlet Valve
4. Pressure Gauge
5. Ø6mm x 600mm (L) Flexible Hose
6. Ø6mm x 300mm (L) Flexible Hose
7. Pilot Cylinder
8. Ø6mm Galvanised U-Bolt
9. Ø6mm Plug
10. Solenoid Valve

11. Manual Pull Handle
12. Pilot Cylinder Mounting Bracket
13. Ø1.5mm Galvanized Steel Cable in G.I Conduit
14. Corner Pulley
15. Manual Pull Handle
16. Ø15mm x 430mm (L) Discharge Hose
17. Cylinder Manifold
18. Ø20mm NPT Manifold Socket
19. Ø20mm Non Return Valve
20. Ø6mm x 345mm (L) Connecting Hose
21. Ø11mm x 7mm x 0.5mm Copper Washer
22. Vent Plug

All specifications and information indicated in this catalogue are subjected to change without prior notice.

UNIQUE FIRE INDUSTRY SDN BHD Co. No. 418731-U

Address:

No. 9, Jalan Anggerik Mokara 31/55, Kota Kemuning, Seksyen 31, 40460, Shah Alam, Selangor, Malaysia

Contact :

Tel : +603 5131 1226

E-mail : contactus@uniquefire.com

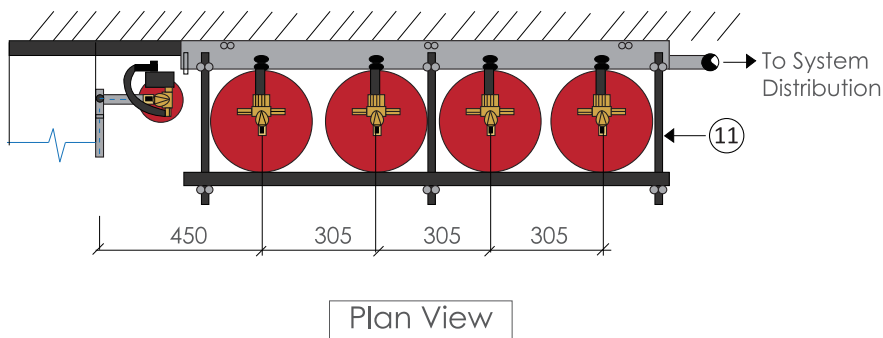
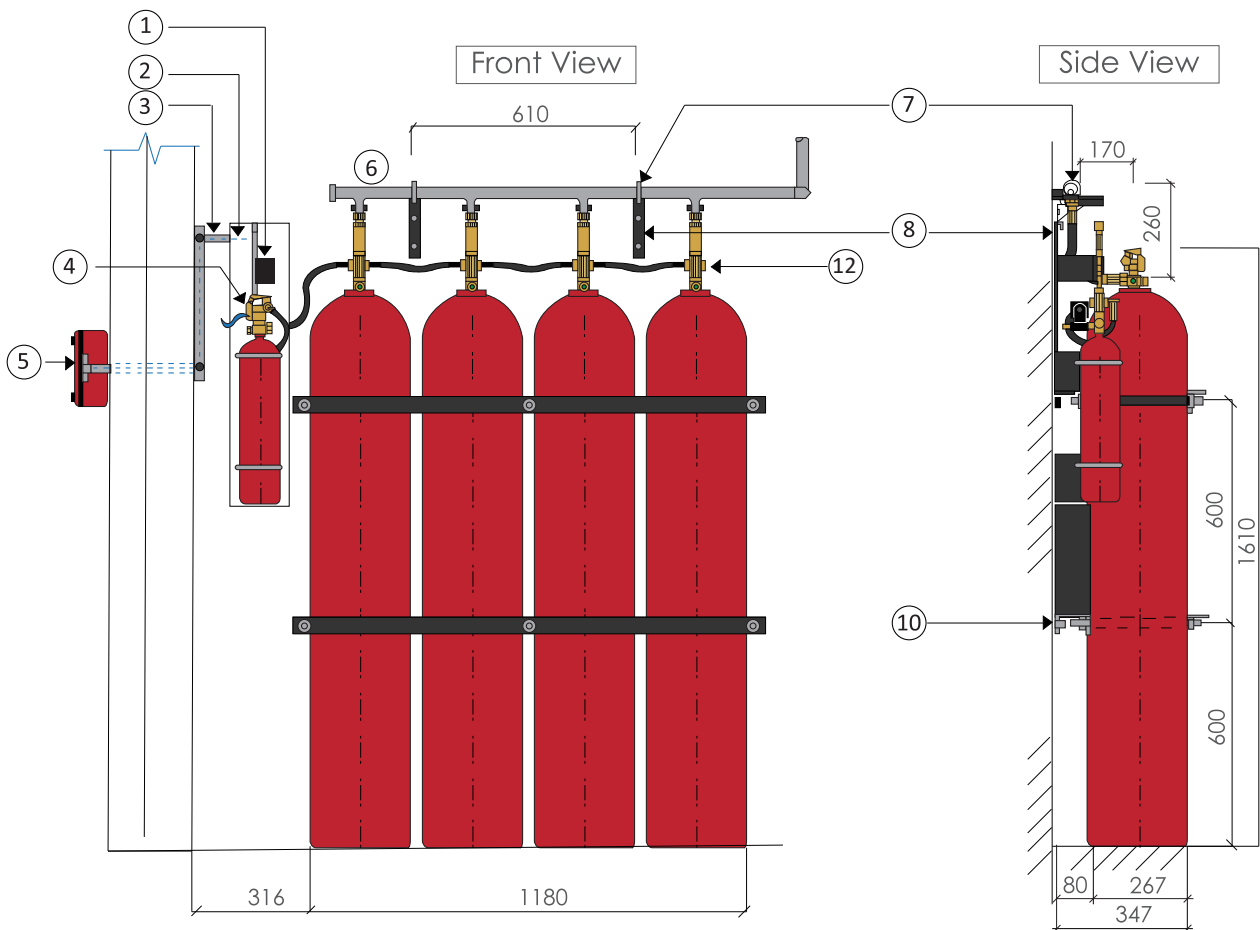
Website: www.uniquefire.com

SCAN ME



CARBON DIOXIDE FIRE EXTINGUISHING SYSTEM

General Arrangement CO2 Cylinders



Front View

1. Limit Switch
2. $\varnothing 1.5\text{mm}$ Stainless Steel Wire
3. $\varnothing 19\text{mm}$ Conduit to Manual Pull Box
4. Solenoid Valve
5. Manual Pull Handle
6. $\varnothing 40\text{mm}$ Schedule 40 Manifold
7. $\varnothing 10\text{mm}$ U-Bolt
8. $50\text{mm} \times 50\text{mm} \times 5\text{mm}$ (thk) Angle Iron with $\varnothing 10\text{mm}$ Bolt + Washer
9. $50\text{mm} \times 50\text{mm} \times 5\text{mm}$ (thk) Angle Iron with $\varnothing 10\text{mm}$ Nut Washer
12. Vent Plug

Side View

10. $80\text{mm} \times 40\text{mm} \times 5\text{mm}$ (thk) U-Channel with $\varnothing 10\text{mm}$ Bolt + Washer

Plan View

11. $\varnothing 10\text{mm}$ Tie Rod

All specifications and information indicated in this catalogue are subjected to change without prior notice.

UNIQUE FIRE INDUSTRY SDN BHD Co. No. 418731-U

Address:

No. 9, Jalan Anggerik Mokara 31/55, Kota Kemuning, Seksyen 31, 40460, Shah Alam, Selangor, Malaysia

Contact :

Tel : +603 5131 1226

E-mail : contactus@uniquefire.com

Website: www.uniquefire.com

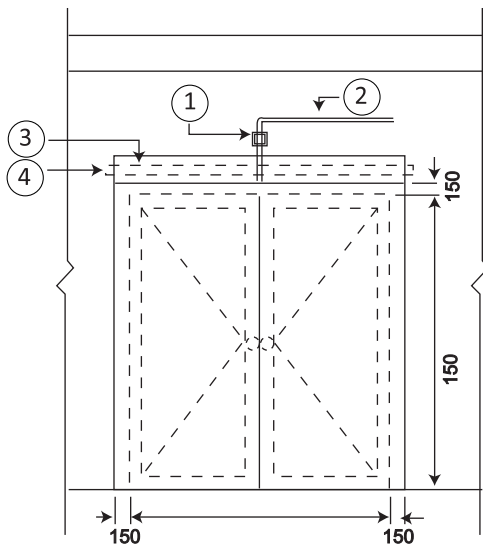
SCAN ME



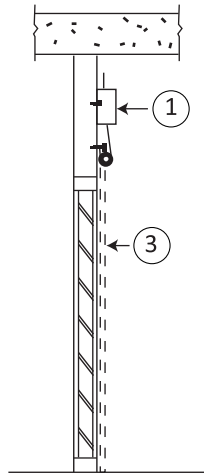
CARBON DIOXIDE FIRE EXTINGUISHING SYSTEM



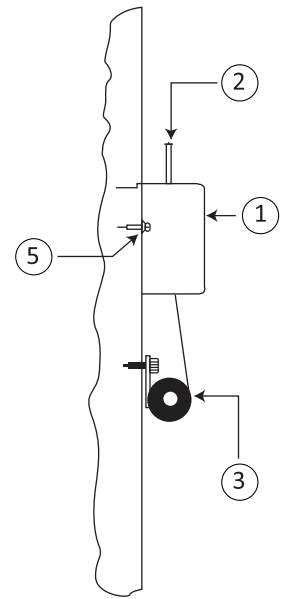
Smoke Curtain Mounting Detail



Front Elevation



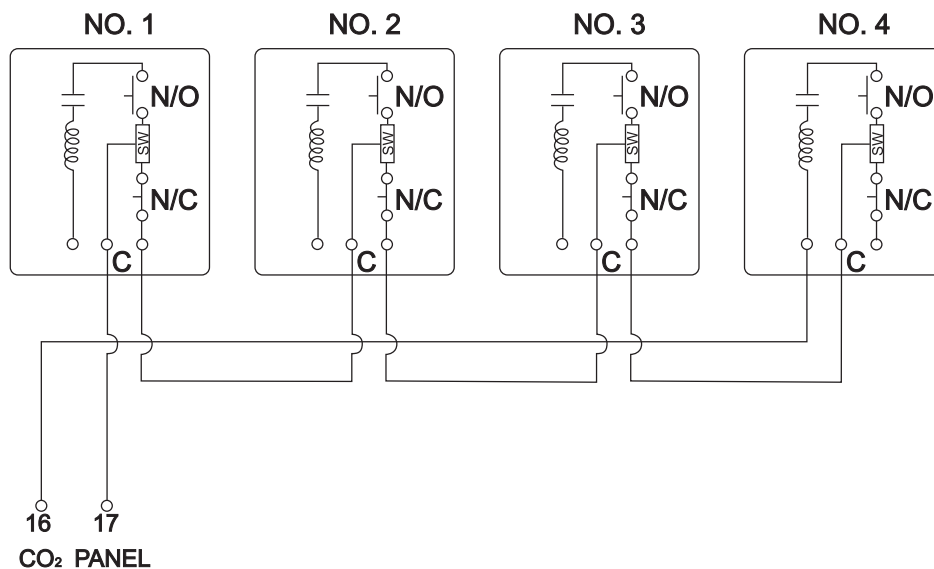
Side Elevation



Assembly Drawing

- 1.24V DC Solenoid Tripping Device
- 2.Electrical Conduit
- 3.Fibre Glass Curtain
- 4.Iron Bar
- 5.Ø6mm Bolt & Drop-in Anchor with washer

Details of Multiple Solenoid Tripping Device Connection



All specifications and information indicated in this catalogue are subjected to change without prior notice.

UNIQUE FIRE INDUSTRY SDN BHD Co. No. 418731-U

Address:

No. 9, Jalan Anggerik Mokara 31/55, Kota Kemuning, Seksyen 31, 40460, Shah Alam, Selangor, Malaysia

Contact :

Tel : +603 5131 1226

E-mail : contactus@uniquefire.com

Website: www.uniquefire.com

SCAN ME



CARBON DIOXIDE FIRE EXTINGUISHING SYSTEM

45kg Seamless Cylinder with CO2 Gas



TECHNICAL DATA	
Part No.	CYL-N
Water Capacity	68L
CO2 Gas Capacity	45kg
Working Pressure	150 bar
Test Pressure	225 bar
Empty Weight	Approx. 68kg
Material	Mn Steel

Solenoid 24V DC Pilot Cylinder



TECHNICAL DATA	
Part No.	PC-S (Without Indication Switch), PC-T (With Indication Switch)
Gas	Nitrogen
Stored Pressure	38 bar (550 psi)
Power	24 V DC
Dimension	180mm (W) x 755mm (H)

Cylinder Valve



TECHNICAL DATA	
Part No.	45KG-NV
Material	Forged Brass CuZn 3963
Type Mode	UP-05
Working Pressure	150bar
Type	Manual/Pneumatic
Weight of Valve	700g
Standard	DIN 477

All specifications and information indicated in this catalogue are subjected to change without prior notice.

UNIQUE FIRE INDUSTRY SDN BHD Co. No. 418731-U

Address:

No. 9, Jalan Anggerik Mokara 31/55, Kota Kemuning, Seksyen 31, 40460, Shah Alam, Selangor, Malaysia

Contact :

Tel : +603 5131 1226

E-mail : contactus@uniquefire.com

Website: www.uniquefire.com

SCAN ME



CARBON DIOXIDE FIRE EXTINGUISHING SYSTEM



Connecting Hose



TECHNICAL DATA	
Part No.	HH-CH-13
Size	6mm (1/4")
Length	330mm (11")
Type	High Pressure Hose
Material	Steel Braided Rubber Hose
Test Pressure	540 bar
Proof Pressure	450 bar
Maximum Working Pressure	225 bar
Burst Pressure	> 900 bar
Thread	BSPT

Discharge Hose



TECHNICAL DATA	
Part No.	HH-DH-17
Size	13mm (1/2")
Length	432mm (17")
Type	High Pressure Hose
Material	Steel Braided Rubber Hose
Test Pressure	385 bar
Maximum Working Pressure	160 bar
Burst Pressure	> 640 bar
Thread	BSPT

Discharge Nozzle



TECHNICAL DATA			
Part No.	DN-UH15	DN-UH20	DN-UH25
Size	15mm	20mm	25mm
Material	Brass		
Finishing	Chrome		
Discharge Pattern	Uni-bilateral		
Discharge	With Orifice		
Type	Pendent		

Pyrocharge with Fitting



TECHNICAL DATA	
Part No.	45KG-PC
Material	Stainless Steel Body
Finishing	Natural
Voltage	24V

All specifications and information indicated in this catalogue are subjected to change without prior notice.

UNIQUE FIRE INDUSTRY SDN BHD Co. No. 418731-U

Address:

No. 9, Jalan Anggerik Mokara 31/55, Kota Kemuning, Seksyen 31, 40460, Shah Alam, Selangor, Malaysia

Contact :

Tel : +603 5131 1226

E-mail : contactus@uniquefire.com

Website: www.uniquefire.com

SCAN ME



CARBON DIOXIDE FIRE EXTINGUISHING SYSTEM



Vent Plug



TECHNICAL DATA

Part No.	HHF-VP-3/8
Size	10mm(3/8")
Material	Brass
Finishing	Galvanised

Tee



TECHNICAL DATA

Part No.	HHF-TEE-1/2"
Size	13mm (1/2") x 13mm(1/2") x 6mm(1/4")
Material	Steel
Finishing	Galvanised
Thread	BSPT

Plug



TECHNICAL DATA

Part No.	HHF-PG-3/8
Size	10mm(3/8")
Material	Steel
Finishing	Galvanised
Thread	BSPT

All specifications and information indicated in this catalogue are subjected to change without prior notice.

UNIQUE FIRE INDUSTRY SDN BHD Co. No. 418731-U

Address:

No. 9, Jalan Anggerik Mokara 31/55, Kota Kemuning, Seksyen 31, 40460, Shah Alam, Selangor, Malaysia

Contact :

Tel : +603 5131 1226

E-mail : contactus@uniquefire.com

Website: www.uniquefire.com

SCAN ME



CARBON DIOXIDE FIRE EXTINGUISHING SYSTEM

Auto Gas Releasing Control Panel



Indoor Type



Outdoor Type



SIRIM
Certified To:
MS 1745-2: 2004
SIRIM QAS INT. NO. PC000552

PE-GRP 200/400 Series

Program Auto Gas Releasing Control Panel GRP 200/400 Series manufactured in accordance to MS 1745-2: 2004 and conformed to local CIFS requirement. PE-CRP 200/400 series is a microprocessor programmable user-friendly control panel with a digital ammeter, voltmeter and a countdown timer displayed on the front panel. Countdown timer is pre-set for 30 seconds upon two (2) activated zone. Timer can be programmed to required specification. The built-in power pack with an intelligent charger allows to charge up a set of completely flat 24 volts battery and automatically cuts off charging once battery is fully charged.

The controls and indications are housed in a compact enclosure finished with signal red polyester epoxy powder paint. Indoor and outdoor type of enclosure are available.

STANDARD FEATURES

- Power Source Indicators
- Power Failure Indicators
- Zone Fire, Fault and Isolate Indicators
- Bell Isolate Switch and Indicator
- Gas Isolate Switch and Indicator
- Fault Buzzer Mute Switch
- Master Reset Switch
- Test Lamp Switch
- Test Battery Switch
- Earth Fault Supervisory
- Built-in Delay Discharge Timer (Programmable)

NEW FEATURES

- GAS Abort Function (Optional)
- Digital Voltmeter and Ammeter
- Intelligent Battery Charger
- Digital Countdown Timer
- Common Fault Contact
- Low Pressure Indicator

SCAN ME



SIZE				
No. of Zones	Model no.	Part no.	Size (mm) (W x D x H)	
			Indoor	Outdoor
2	PE-GRP 200i / PE-GRP 200s	FAP-02ZCP-N	430 x 370 x 170	430 x 380 x 170
4	PE-GRP 400i / PE-GRP 400s	FAP-04ZCP-N	550 x 390 x 170	550 x 400 x 170
TECHNICAL DATA				
Power Supply Input		240V AC 50Hz/60Hz		
Operating System		24V DC		
Operating Battery		18-27.6V DC		
Battery Cut Off		18V		
Intelligent Charger (S1)		0.67A - 1.3A @ 30%		
Intelligent Charger (S5)		1.2A -1.8A @ 100%		
End of Line		8K2 Ohms		
Auxiliary Output		24V, 2 Amp		
Alarm Signal		N/O Contact		
Gas Discharged Signal		N/O Contact		
STANDBY MODE				
Master		75mA		
Per zone (with Detectors)		5mA		
Flashing Lights (Green LED)		75mA		
ALARM MODE				
Master		140mA		
Per Trigger Zone		70mA		
Output Devices		200mA		
Flashing Lights (Red LED)		75mA		
Per Bell		30mA		

All specifications and information indicated in this catalogue are subjected to change without prior notice.

CARBON DIOXIDE FIRE EXTINGUISHING SYSTEM

UNIQUE AH-0711 Photoelectric Smoke Detector



TECHNICAL DATA		
Model No.	AH-0711	
Part No.	FAE-P0711	
Description	2 Wire	
Alarm Current @ 24V DC 470 Ω	40mA	
Operating Temperature Range	-10°C to 55°C	
Voltage Range	12V-30V DC	
Standby Current @ 24V DC 470 Ω	25 - 75 μA	
Sensitivity Setting	Comply to UL268	
Material	Plastic	
Size	Ø102mm x 50mm (H)	
Weight	130g	
Colour	White	
EFFECTIVE ALERT AREA		
Building Height	Under 4m	4m to 20m
Area Covered	150m ²	75m ²

*Applicable for Unique 227 Fire Suppression System and Carbon Dioxide Fire Extinguishing System

UNIQUE AH-0333 Heat Detector



TECHNICAL DATA		
Model No.	AH-0333	
Part No.	FAE-H0333	
Description	2 Wire	
Alarm Current @ 24V DC 470 Ω	40mA	
Operating Temperature Range	0°C to 55°C	
Voltage Range	12V-30V DC	
Sensitivity Setting	Rise rapidly in 30°C / per 30sec.	
Material	Plastic	
Size	Ø111mm x 45mm (H)	
Weight	130g	
Colour	White	
EFFECTIVE ALERT AREA		
Construction/ Height	Under 4M	4M~ 8M
Fire-proof Building	90m ²	45m ²
Ordinary Building	50m ²	30m ²

*Applicable for Unique 227 Fire Suppression System and Carbon Dioxide Fire Extinguishing System

All specifications and information indicated in this catalogue are subjected to change without prior notice.

UNIQUE FIRE INDUSTRY SDN BHD Co. No. 418731-U

Address:

No. 9, Jalan Anggerik Mokara 31/55, Kota Kemuning, Seksyen 31, 40460, Shah Alam, Selangor, Malaysia

Contact :

Tel : +603 5131 1226

E-mail : contactus@uniquefire.com

Website: www.uniquefire.com

SCAN ME



CARBON DIOXIDE FIRE EXTINGUISHING SYSTEM



UNIQUE Twin Flashing Lights



TECHNICAL DATA	
Model No.	UNI-104 WP/L
Part No.	FAE-FLO-LED
Lens	High efficient prismatic polycarbonate lens optimized for omnidirectional viewing.
Luminary	Filament Bulb/Ultra Bright LED
Size	210mm(W) x 77mm(D) x 108mm(H)
Material (Casing & Hood)	Mild Steel
Finishing	Black casing with green and red lens

*Applicable for Unique 227 Fire Suppression System and Carbon Dioxide Fire Extinguishing System

UNIQUE Fire Alarm Bell



TECHNICAL DATA	
Model No.	UNI-102
Part No.	FAE-6AB
Supply Voltage	110/ 240V (AC) 12/24V (DC)
Sound Output	92 - 105 dB
Current Consumption	0.05 A
Size	150mm(6")
Finishing	Red

DECIBEL SPECIFICATION

AC Type		Decibel Rating @ 1m (3ft)		
Voltage	Amps	100mm(4")	150mm (6")	200mm (8")
110	0.015	92dB	95dB	97dB
240	0.033	98dB	105dB	106dB
DC Type		Decibel Rating @ 1m (3ft)		
12	0.08	95dB	99dB	100dB
24	0.05	96dB	103dB	105dB

*Applicable for Unique 227 Fire Suppression System and Carbon Dioxide Fire Extinguishing System

UNIQUE Sealed Lead Acid Battery



TECHNICAL DATA							
Model	Part No.	Nominal Voltage (V)	Capacity (AH)	Length (mm)	Width (mm)	Height (mm)	Approx. Weight (kg)
12V 7AH	BAT-007AH	12	7	151	65	100	2.05
12V 10AH	BAT-010AH	12	10	151	98	100	3.20
12V 12AH	BAT-012AH	12	12	151	98	100	3.45
12V 18AH	BAT-018AH	12	18	180	76	166	5.10
12V 26AH	BAT-026AH	12	26	176	166	127	7.80
12V 40AH	BAT-040AH	12	40	197	165	170	12.20
12V 65AH	BAT-065AH	12	65	355	167	193	20.20
12V 100AH	BAT-100AH	12	100	330	170	240	29.50
12V 120AH	BAT-120AH	12	120	405	174	233	35.6

*Note: 120AH Battery is not UL Listed.

UNIQUE FIRE INDUSTRY SDN BHD Co. No. 418731-U

Address:

No. 9, Jalan Anggerik Mokara 31/55, Kota Kemuning, Seksyen 31, 40460, Shah Alam, Selangor, Malaysia

Contact :

Tel : +603 5131 1226

E-mail : contactus@uniquefire.com

Website: www.uniquefire.com

SCAN ME



CARBON DIOXIDE FIRE EXTINGUISHING SYSTEM



Solenoid 24V DC Tripping Device



TECHNICAL DATA

Part No.	TD
Size	180mm(W) x 90mm(D) x 205mm(H)
Working Current	0.4A
Material	Mild Steel
Finishing	Epoxy Powder Coating

Smoke Curtain



TECHNICAL DATA

Part No.	FC
Material	Woven Fibreglass Fabric
Colour	White
Coating Finish	Loomstate
Operating Temperature	Withstanding Temperature 500°C
Standard	BS 476: PART 6: 1989 + A1: 2009 & BS 476: PART 7: 199



Manual Pull Box



TECHNICAL DATA

Part No.	MPB
Size	Ø200mm x 65mm(H)
Material	Aluminium Alloy (Body) Aluminium Alloy (Handle)
Finishing	Epoxy Powder Coating

All specifications and information indicated in this catalogue are subjected to change without prior notice.
All specifications and information indicated in this catalogue are subjected to change without prior notice.

UNIQUE FIRE INDUSTRY SDN BHD Co. No. 418731-U

Address:

No. 9, Jalan Anggerik Mokara 31/55, Kota Kemuning, Seksyen 31, 40460, Shah Alam, Selangor, Malaysia

Contact :

Tel : +603 5131 1226

E-mail : contactus@uniquefire.com

Website: www.uniquefire.com

SCAN ME



FIRE SUPPRESSION FOR COMMERCIAL KITCHEN

Fires in commercial kitchens often start because of the improved kitchen equipment and advanced cooking oils that operate at higher temperatures. Carelessness such as unattended pots on the stove, leftover grease at the bottom of cooking pans, and putting flammable materials too near the stove add to the danger and heighten the chances of kitchen fires occurring.

SCAN ME





WHDR™ Kitchen Fire Suppression System

for Commercial Cooking Applications

Automatic 24-Hour Protection

The heart and soul of every dining establishment is the kitchen. Equipped with ranges, broilers, fryers and a myriad of other high-temperature cooking appliances, no other environment demands proper fire protection more than today's modern cooking facilities.

The Kidde Fire Systems WHDR™ system is specifically designed for the challenging demands posed by cooking applications. By offering one of the most flexible system configurations in the industry, Kidde Fire Systems provides efficient, economical protection for all types of cooking facilities and design layouts. With appliance-specific and overlapping protection options, our customized approach accommodates your current applications and easily adapts to future appliance line changes.

Investing in a Kidde Fire Systems WHDR system helps to enable more than just code compliance for your business (UL300, UL 1254, NFPA 96 & 17A), it provides automatic, round the clock protection from the devastating consequences of fire.



Why Choose the WHDR System?

Economical. Cost-effective, pre-engineered system simplifies design and installation.

Easy-to-maintain. Semi-annual system inspections and routine maintenance per NFPA regulations are performed quickly and efficiently by your local Kidde Fire Systems distributor.

Proven Protection. Providing the best in kitchen fire protection for over 50 years, the Kidde Fire Systems WHDR System is the choice of countless restaurants and cooking facilities worldwide.

24/7 Support. Designed, installed and serviced by our factory-trained, global network of Kidde Fire Systems distributors.

Customized Solution. System design and installation provided by your local distributor, delivering a superior code-compliant solution which is tailored to your fire protection needs.

Robust Design. Meets strict UL 300 fire test criteria, suppressing fire without the need for secondary agent or system connections.

Reliable. Every WHDR system is backed by the Kidde Fire Systems warranty.

SCAN ME

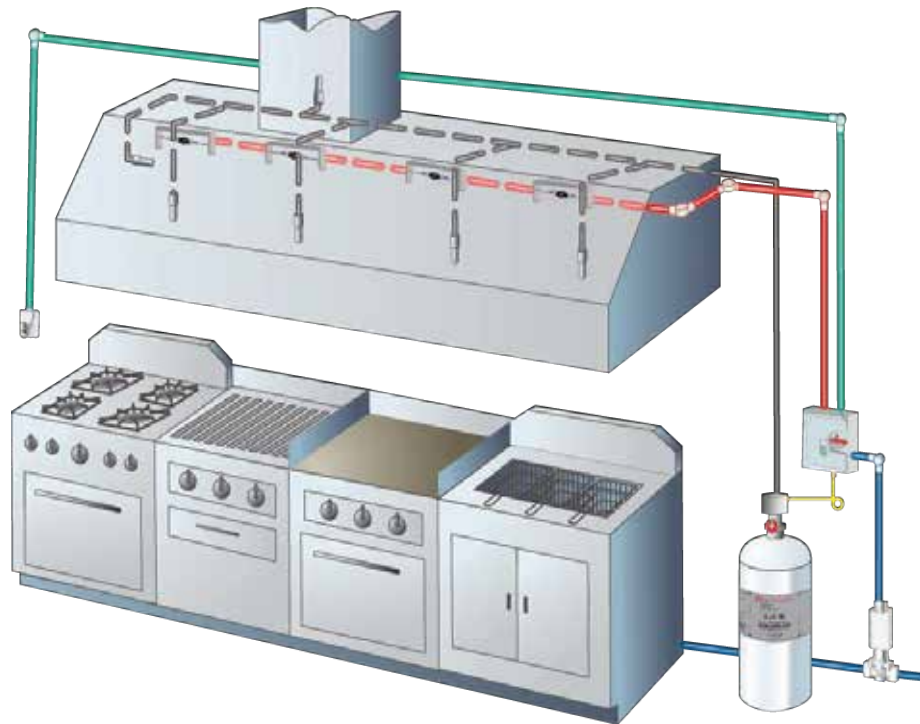


How Do WHDR Wet Chemical Systems Work?

1. Fire is detected by the Kidde Fire Systems mechanical link, or electric Detect-A-Fire® (DAF), or the system is manually activated by a remote pull station.
2. The XV™ Control System simultaneously actuates up to 20 pressurized agent storage containers, shuts down fuel and power sources to the appliances and activates the building fire alarm.
3. The Kidde Fire Systems APC wet chemical agent, designed specifically for the challenges posed by oil and grease in a kitchen environment, is propelled through the system piping by the stored pressure container.
4. The Kidde Fire Systems APC agent discharges from strategically positioned nozzles protecting the hood, duct and appliances. APC agent quickly suppresses the flames and forms a protective layer that not only extinguishes the fire, but also prevents re-ignition.

WHDR System Components:

- XV Control System
- WHDR Agent Storage Container
- Thermo Bulb, Fusible Link or DAF Detectors
- Manual Remote Release
- Mechanical or Electric Gas Shut-off Valve
- Customized Discharge Nozzles
- APC Wet Chemical Agent



Customers Protected:

- Casual & Family Dining
- Corporate Cafeterias
- Diners
- Educational Facilities
- Fast Food Chains
- Fine Dining
- Healthcare Facilities
- Hotels & Lodging
- Institutional Facilities
- Marine Galleys
- Nursing Homes
- Shopping Mall Food Courts
- Sports Stadiums and Complexes
- Supermarkets & Groceries

Applications Protected:

- Hoods, Plenums & Filters
- Duct Work
- Fryers
- Ranges
- Char-broilers
- Woks
- Griddles
- Salamanders
- Tilt Skillets
- and more...

Approvals & Listings:

- UL/ULC Listed to UL 300 & UL 1254
- NFPA 96 & 17A Compliant
- NYC Fire Department (COA #5946)
- ABS Type Approved
- DNV Type Approved
- Lloyd's Register Type Approved

SCAN ME



FIRE SUPPRESSION FOR COMMERCIAL KITCHEN

Cylinder Assembly



Figure. Dimensions of Cylinder and Valve Assembly, P/N 87-12XXXX-001
Refer to Figure 5-26 for Cylinder Valve details.
Table. Cylinder and Valve Assembly Specifications

TECHNICAL DATA					
Cylinder and Valve Assembly Part Number	Model	Maximum Flow Number	Dimensions		
			A	B	C
87-120001-001	WHDR-125	4	15-1/4 in. (387 mm)	13-3/4 in. (349 mm)	8 in. (203 mm)
87-120002-001	WHDR-260	8	21 in. (534 mm)	19-5/8 in. (498 mm)	9 in. (230 mm)
87-120003-001	WHDR-400S	12	19 in. (483 mm)	17-1/2 in. (444 mm)	12-1/4 in. (311 mm)
87-120006-001	WHDR-400M	12	24-3/8 in. (619 mm)	23 in. (584 mm)	10 in. (254 mm)
87-120005-001	WHDR-600	18	35-1/8 in. (892 mm)	33-3/4 in. (857 mm)	10 in. (254 mm)
87-125001-001	WHDR-5EU	4	15-1/4 in. (381 mm)	13-7/8 in. (352 mm)	8 in. (203 mm)
87-125002-001	WHDR-10EU	8	21 in. (533 mm)	19-5/8 in. (498 mm)	9 in. (229 mm)
87-125003-001	WHDR-S15EU	12	18-7/8 in. (479 mm)	17-1/2 in. (445 mm)	12 in. (305 mm)
87-125006-001	WHDR-M15EU	12	24-3/8 in. (619 mm)	23 in. (584 mm)	10 in. (254 mm)
87-125005-001	WHDR-23EU	18	35 in. (889 mm)	33-1/2 in. (851 mm)	10 in. (254 mm)

System Valve Actuator



TECHNICAL DATA			
Part No.	Model No.	Thread	Description
WC-SVA	87-120042-001	1/8" NPT Port	System Valve Actuator (SVA) must be mounted to every system cylinder valve assembly. The SVA has ports for low profile tubing runs, and is also equipped with a spring loaded plunger that locks the piston in the discharged position, ensuring complete discharge of the cylinder(s) contents.



All specifications and information indicated in this catalogue are subjected to change without prior notice.

UNIQUE FIRE INDUSTRY SDN BHD Co. No. 418731-U

Address:

No. 9, Jalan Anggerik Mokara 31/55, Kota Kemuning, Seksyen 31, 40460, Shah Alam, Selangor, Malaysia

Contact :

Tel : +603 5131 1226

E-mail : contactus@uniquefire.com

Website: www.uniquefire.com

SCAN ME



FIRE SUPPRESSION FOR COMMERCIAL KITCHEN

Agent Discharge Nozzle



TECHNICAL DATA	
Part No.	WC-ADP
Nozzle Type	ADP
Model No.	87-120011-001
Thread	3/8" NPT Female Thread
Material	Nickle - Chrome Plated Brass Body

Fusible Link



TECHNICAL DATA					
Part No.	Model No.	Detector Type	Detector Temperature Rating	Colour	Maximum Exposure Temperature
WC-FL	WK-282664-000	ML	360°F(182°C)	Unpainted	300°F(149°C)

All specifications and information indicated in this catalogue are subjected to change without prior notice.

UNIQUE FIRE INDUSTRY SDN BHD Co. No. 418731-U

Address:

No. 9, Jalan Anggerik Mokara 31/55, Kota Kemuning, Seksyen 31, 40460, Shah Alam, Selangor, Malaysia

Contact :

Tel : +603 5131 1226

E-mail : contactus@uniquefire.com

Website: www.uniquefire.com



SCAN ME



FIRE SUPPRESSION FOR COMMERCIAL KITCHEN

DEMCO Heat Detector



TECHNICAL DATA			
Model	Part No.	Model No.	Temperature Setting
DEMCO D-143	WC-DHD450	D-143	450°F (232°C)

XV Control System



TECHNICAL DATA						
Part No. Model No.	Size (mm)	Operating Temperature Range	Actuation Mode	Number of Extinguishing System Cylinders	Maximum Total Length Copper Actuation Tubing	Minimum Total Length of Copper Tubing
WC-UCH 87-120099-002	215(W) x 245(H) x 95(D)	-18°C to 49°C	Electrical, Pneumatic & Manual	1 - 12	32.30m (106 ft)	1.52m (5 ft)
				13-20	27.73m (91 ft)	

KRS-50 Control Box Assembly



TECHNICAL DATA						
Part No. Model No.	Size (mm)	Operating Temperature Range	Actuation Mode	Number of Extinguishing System Cylinders	Maximum Total Length Copper Actuation Tubing	Minimum Total Length of Copper Tubing
WC-MB 87-120010-001	155(W) x 180(H) x 40(D)	-18°C to 49°C	Pneumatic & Manual	1 - 5	0.91m (3 ft) from A+ to 1st system cylinder	7.0m (23 ft)

Remote Manual Release, Combination Pull-to-Trip/Release-to-Trip



TECHNICAL DATA		
Part No. Model No.	Size	Description
WC-PB 87-120110-001	91(W) x 125(H) x 52(D)	The combination Remote Manual Release (RMR) pull station is provided as means of manually actuating the Range Guard fire suppression system from a remote location.

All specifications and information indicated in this catalogue are subjected to change without prior notice.

UNIQUE FIRE INDUSTRY SDN BHD Co. No. 418731-U

Address:

No. 9, Jalan Anggerik Mokara 31/55, Kota Kemuning, Seksyen 31, 40460, Shah Alam, Selangor, Malaysia

Contact :

Tel : +603 5131 1226

E-mail : contactus@uniquefire.com

Website: www.uniquefire.com

SCAN ME



FIRE BLANKET & SMOKE CURTAIN

SCAN ME



FIRE BLANKET & SMOKE CURTAIN

Fire Blanket



TECHNICAL DATA					
Part No.	Size(mm)	Material	Colour	Coating Finish	Operating Temperature
FB-4x4	1200 x 1200 (4' x 4')	Woven Fibreglass Fabric	White	Loomstate	Basic Fabric 600°C
FB-4x6	1200 x 1800 (4' x 6')				
FB-6x6	1800 x 1800 (6' x 6')				

UNIQUE Smoke Curtain



TECHNICAL DATA	
Part No.	FC
Material	Woven Fibreglass Fabric
Colour	White
Coating Finish	Loomstate
Operating Temperature	Withstanding Temperature 550°C
Standard	BS 476: PART 6: 1989 + A1: 2009 & BS 476:PART 7: 1997



All specifications and information indicated in this catalogue are subjected to change without prior notice.

UNIQUE FIRE INDUSTRY SDN BHD Co. No. 418731-U

Address:

No. 9, Jalan Anggerik Mokara 31/55, Kota Kemuning, Seksyen 31, 40460, Shah Alam, Selangor, Malaysia

Contact :

Tel : +603 5131 1226

E-mail : contactus@uniquefire.com

Website: www.uniquefire.com

SCAN ME



pg101

FIRE BLANKET

SUNTEX Car Fire Blanket



TECHNICAL DATA	
Part No.	FB-CAR(S)-STD
Size	6 x 8m
Material	Fiberglass Fabric + Flame retardant coating on both sizes
Sew Thread	Enhanced Thread
Weight	27kg
Thickness	0.45mm
Colour	Grey
Certification	EN13501-1
Max Working Temp. (Instant)	1000°C (instant)
Max Working Temp. (Continuous)	500°C (continuous)
Package	PVC Bag

UNIQUE FIRE INDUSTRY SDN BHD Co. No. 418731-U

Address:

No. 9, Jalan Anggerik Mokara 31/55, Kota Kemuning, Seksyen 31, 40460, Shah Alam, Selangor, Malaysia

Contact :

Tel : +603 5131 1226

E-mail : contactus@uniquefire.com

Website: www.uniquefire.com

SCAN ME



pg102

HOME SAFETY KIT

SCAN ME



HOME SAFETY KIT

1 kg Portable Dry Powder Fire Extinguisher



TECHNICAL DATA	
Part No.	FEU-ID
Model No.	UF-1
Capacity	1.0 kg
Type of Extinguishant	ABC Dry Powder
Type	Stored Pressure
Pressurized Agent	Nitrogen
Working Pressure	12 bar (174 psi)
Test Pressure	25 bar (362.5 psi)
Temperature Range	-20°C to 60°C
Discharge Time (Approx.)	7 sec
Overall Height	330 mm
Cylinder Diameter	79 mm
Approx. Full Weight	1.9 kg
Body Material	Cold Rolled Steel
Finishing	Red (RAL 300)
Class of Fire	A, B, C, E
Fire Rating	5A 21B
Design & Manufacture	MS 1539 PART 1 : 2002



SIRIM
Certified To:
MS 1539 PART 1: 2002
Certification No: PU 15303

UNIQUE Single Station Smoke Detector



TECHNICAL DATA	
Part No.	FAE-SD-426B
Model No.	SD-426B
Power Supply	DC9V Replaceable Battery
Smoke Sensitivity	0.08~0.16dB/m (EN standard)
Standby Current	8 µA
Alarm Current	≤45mA
Temperature Range	0°C to 50°C
Humidity	0 ~ 95% RH, no condensation
Alarm Sound Level	85 dB @ 3m

Fire Blanket



TECHNICAL DATA	
Part No.	FB-4X4
Material	Woven Fibreglass Fabric
Colour	White
Coating Finish	Loomstate
Operating Temperature	Withstanding Temperature 550°C
Size (mm)	1200 x 1200 (4' x 4')

All specifications and information indicated in this catalogue are subjected to change without prior notice.

UNIQUE FIRE INDUSTRY SDN BHD Co. No. 418731-U

Address:

No. 9, Jalan Anggerik Mokara 31/55, Kota Kemuning, Seksyen 31, 40460, Shah Alam, Selangor, Malaysia

Contact:

Tel : +603 5131 1226

E-mail : contactus@uniquefire.com

Website: www.uniquefire.com

SCAN ME



pg104

AUTHORISED DISTRIBUTOR

To ensure that the fire prevention and fire suppression products which you are considering are genuine, purchase them only from appointed authorised distributors.

We are proud to carry a comprehensive range of quality products from leading manufacturers of fire fighting equipment.

We are appointed authorised distributor for:



Business Of The Year Award



REGISTERED PROPRIETOR FOR TRADEMARK



SGP CERT



EV Car Blanket CERT

OUR TESTIMONIALS



Bukit Bintang Station



Cochrane Station



Maluri Station



Muzium Negara Station



Merdeka Station



Pasar Seni Station



Tun Razak Exchange Station

*“We would like to extend our appreciation to **Unique Fire Industry Sdn Bhd**, for having supplied the active fire protection equipment for all the seven underground stations, as well as successfully completed the Testing and Commissioning for the fire suppression systems supplied.*



YOUR GUARD AGAINST FIRE



**BIGGEST FIRE
PROTECTION EQUIPMENT
FACTORY**

**FIRST MANUFACTURING OF
DESIGN FIRE EXTINGUISHER**

www.uniquefire.com

**BURSA
MALAYSIA**

STOCK CODE 0257

SCAN ME

