



A concern of



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Company Overview

HEAD OFFICE



RFL started its journey with cast iron (CI) products in 1980. The initial main objective was to ensure pure water and affordable irrigation instruments for improving rural life. Today the company has its wide ranges of CI products like pumps, tube wells, bearings, gas stoves etc and has achieved the prestige as the largest cast iron foundry and light engineering workshop in Bangladesh. With a vision to serve the common people of Bangladesh with quality necessary products, RFL diversified its operation into PVC category in 1996 and in plastic sector in 2003. At present it is market leader in all these three sectors cast iron, PVC and Plastic in the country. Sizeable amount is also exported to different countries.

RFL has become a benchmark for competitors on the lines of quality by manufacturing premium quality products to give clients excellent services and true value for money. The unmatched products have given a big name in the domestic market. This is possible because the company is professionally managed and promoted by people who ensure creativity.

RMIL – Rangpur Metal Industries Limited is a concern of PRAN-RFL Group. Safemet Fire safety Equipment and Solution as expressed by the name is dedicated to provide quality fire safety products and services. All of the products are imported from various countries of first world which are UL listed & FM Approved. We have done lots of big projects in different Government and Non-government organization. The span of work also extends to different sectors like power, commercial and RMG industries. Our clients are our advocates and they speak for our quality products and services. Our own refill plant helps us to provide excellent quality refills with accurate measurements for fire extinguishers with high influence of technology. Besides fire safety we provide surveillance systems as well.

We welcome the opportunity to become your safety partner in your valuable business.

CORPORATE MISSION

POVERTY & HUNGER ARE CURSES

AIM

TO GENERATE EMPLOYMENT &

EARN DIGNITY & SELF-RESPECT

FOR OUR COMPATRIOTS

THROUGH PROFITABLE ENTERPRISES



MANAGEMENT TEAM

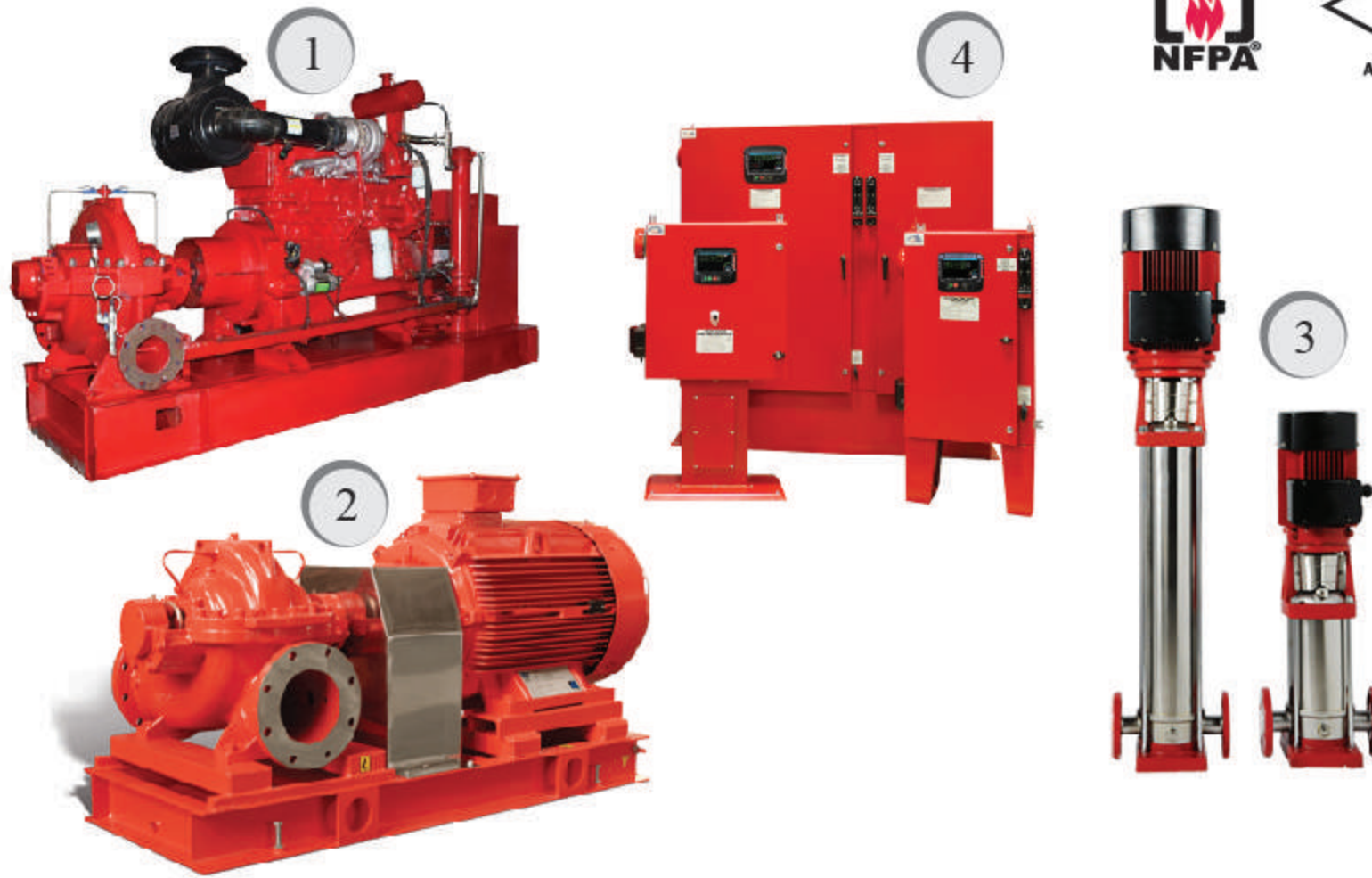


Incharge, RMIL & BLIL



AGM, Operation

Fire Pumps & Control Panel



1 Diesel Driven Pump

Our diesel engines are equipped with NMD, NMS and WTM series pumps. They are direct-injection type fitted with electric control box, fuel tank, starter battery and exhaust silencer. The cooling of engine can be by air or water cooled by internal cooling system loop.

2 Electric Driven Pump

2 Pole induction type, 200 - 2000 GPM. Insulation class F, Protection class IP55, constructed in accordance with IEC 60034

3 Jockey Pump

Jockey Pumps are of Horizontal, Monoblock, End-Suction, Bronze fitted centrifugal pumps or Vertical, Multi-Staged, stainless steel constructed off-line centrifugal pumps. One very important carecteristic is that the maximum pressure developed by the Jockey pump is always greater than the pressure of the main pump.

4 Fire Pump Control Panel- Tornatech

ViZiTouch operator Interface
NEMA 2 Assembly
Pressure and event recorder
Battery Voltage and amperage display
Run test Push Button
Hand - OFF- AUTO Selector switch
Manual crank pushbutton (2)
Stop pushbutton
Remote start / deluge valve start provision
Pressure transducer and run test solenoid valve externally mounted
Gland Plate
Audible alarm
Alarm contacts for remote indication
Weekly exercise programmable time clock
Crank cycle
Programmable automatic shutdown (minimum run timer)
Programmable sequential start timer (delay start timer)

Valve and Accessories



1

**OS&Y Resilient Seated Gate Valve
Grooved Ends**

Sizes: 2.5", 3", 4", 5", 6", 8", 10" & 12"

2

**OS&Y Resilient Seated Gate Valve
Flanged Ends**

Sizes: 2.5", 3", 4", 5", 6", 8", 10" & 12"

3

**Swing Check Valve
Flanged Ends**

Sizes: 2", 2.5", 3", 4", 5", 6", 8", 10" & 12"

4

**NRS Resilient Seated Gate Valve
Flanged Ends**

Sizes: 2.5", 3", 4", 5", 6", 8", 10" & 12"

5

Breeching Inlet 2/4 Way

Sizes: 4"/6"

6

**Butterfly Valve - WaferType
Gear Operated**

Sizes: 2", 2.5", 3", 4", 5", 6", 8", 10" & 12"

7

Y Strainer - Flanged Ends - 175PSI

Sizes: 2-1/2", 3", 4", 5", 6", 8", 10" & 12"

8

Oblique Landing Valve

Sizes: 2.5"

9

Pillar Hydrant (100 mm)

Sizes: 2.5"x2"

10

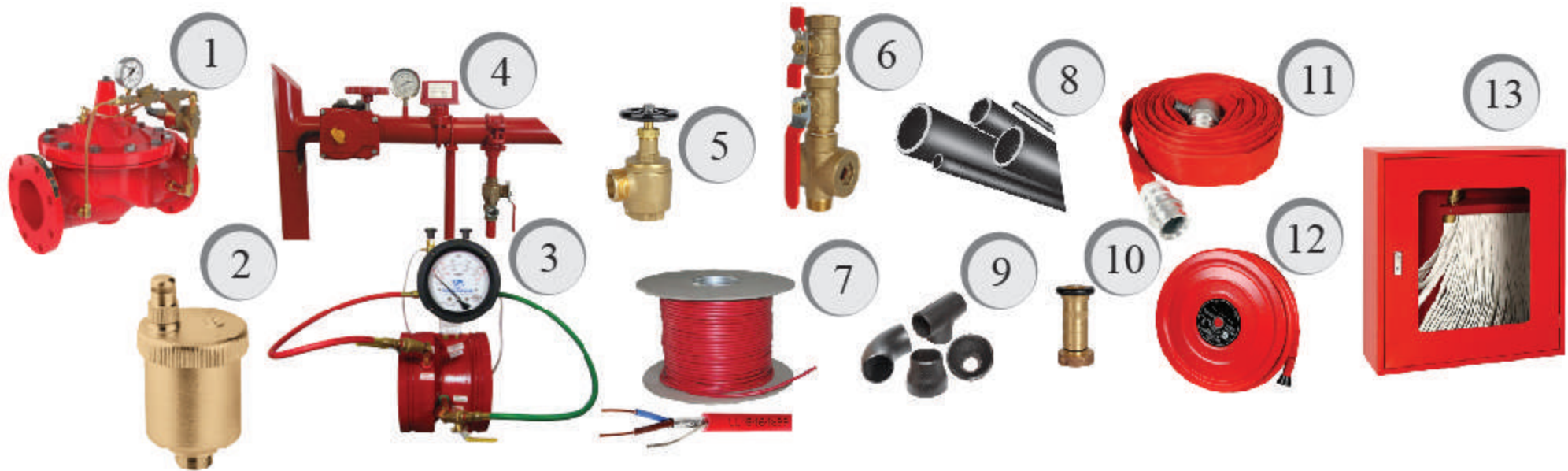
Wet Alarm Valve

Sizes: 4", 6", 8"

Common Features:

High quality graphite stem seal	UL Listed and FM Approved
Working pressure (200PSI - 300PSI)	-10°C to 82°C Working temperature
Corrosion protection - Fusion bonded epoxy coated interior and exterior to AWWA C550 standard	

Valve and Accessories



1

Pressure Relief Valve

Sizes: 4", 6"

2

Air Vent

Sizes: 1", 3/4", 1/2"

3

Water Flow Meter

Sizes: 3", 4", 6", 8"

4

Zone Control Valve

Sizes: 2.5", 3", 4", 6"

5

Angle Hose Valve

Sizes: 1.5", 2.5"

6

Test And Drain Valve

Sizes: 1", 1.25", 2"

7

Fire Rated Cable

8

MS Seamless / ERW Pipe

Sizes: 1", 1.25", 1.5", 2", 2.5", 3", 4", 5", 6", 8", 10"

9

MS Seamless Fittings

Sizes: 1", 1.25", 1.5", 2", 2.5", 3", 4", 5", 6", 8", 10"

10

Hose Nozzles

Fogg Nozzles

11

Hose Pipe (1.5", 2.5")

Synthetic Double / Single Jacket

12

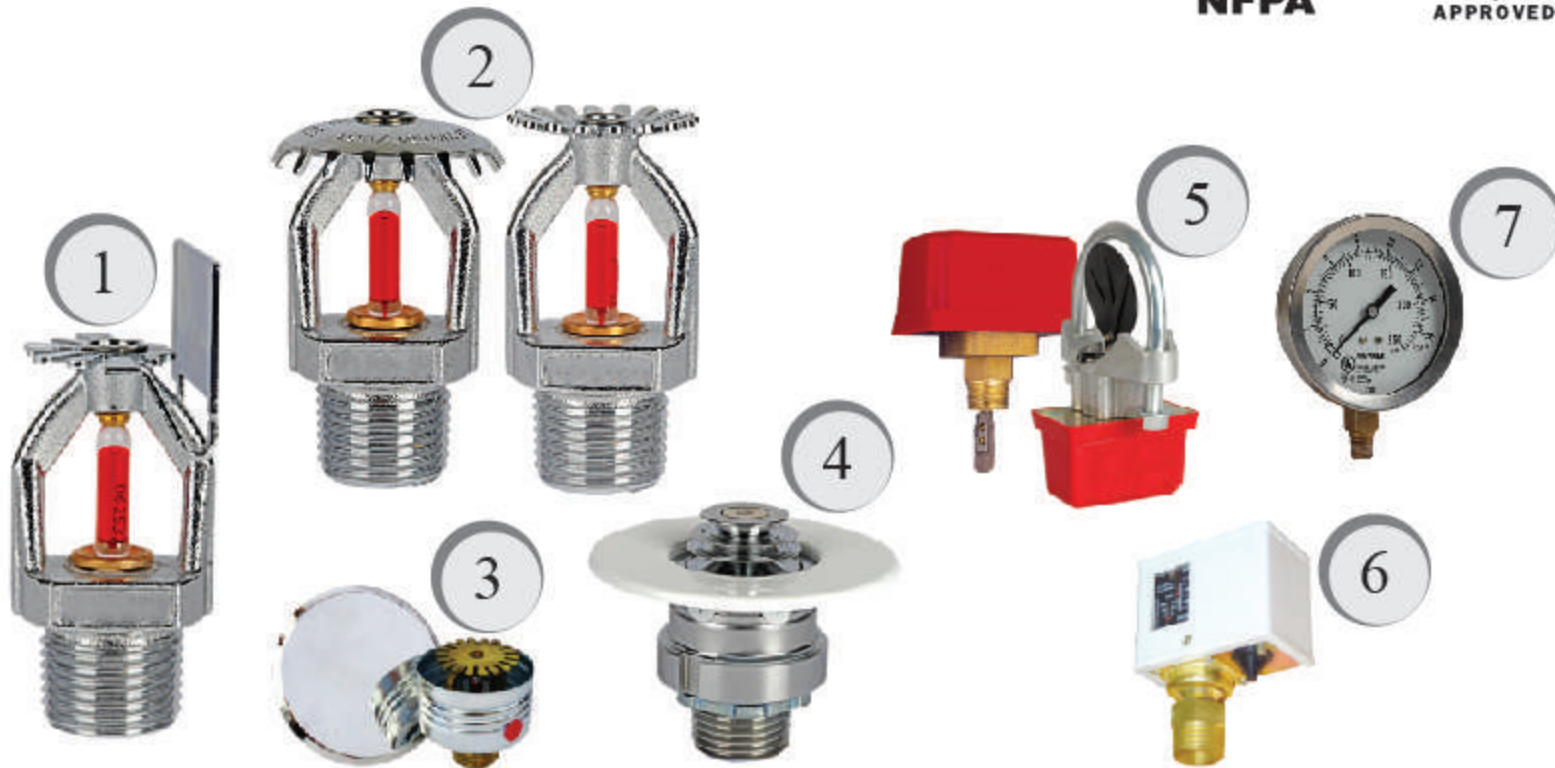
Hose Reel

Sizes: 19 mm to 25 mm

13

Hose Box

Sprinkler & Accessories



1

Horizontal Sidewall Sprinklers

Glass bulb
Standard Spray Pattern
K-factor 5.6.8.11
Available in 135 / 155 / 200 °F (57 / 68 / 93°C)
Temperature rating 1/2" NPT Thread Size

5

Water Flow Indicator

Water Flow Indicator is placed on the automatic water sprinkler systems pipeline to identify the flow of water in case of a fire outbreak. When a flow of water is detected by a clapper or vane, a signal will be transmitted to the control panel.

2

Pendent and Upright Sprinklers

Glass bulb
Standard Spray Pattern
K-factor 5.6
Available in 135 / 155 / 200 °F (57 / 68 / 93°C)
Temperature rating 1/2" NPT Thread Size

6

Pressure Switch

Pressure Switch is designed to detect the flow of water through pressure variation in an automatic water sprinkler system. It usually is mounted on the outlet of the retard chamber and transmits a signal to control panel identifying flow of water in the system.

3

Concealed Pendent

Glass bulb
Standard Spray Pattern
K-factor 5.6
Quick & Standard Response

7

Pressure Gauge

90mm Dial
0-21 Kg. /Sq. Cm (0-300 PSI) range
Polished Stainless Steel, weather proof case
Bourdon Tube: Phosphorus bronze / Monel

4

Flush Pendent

Fusible Alloy Type
Standard Spray Pattern
K-factor 5.6
Quick & Standard Response
Available in 135 / 155 / 200 °F (57 / 68 / 93 °C)
Temperature rating 1/2" NPT Thread Size

Fire Alarm System



1 Addressable Fire Alarm Control Panel

864 9th edition
2 loop or 4 loop
Uses standard wire, no shielded or twisted pair required on SLC loops
Dual RS-485 bus for panel network

2 Network Annunciator

LED indicators for Fire, Supervisory Alarm, Pre-Alarm, Fire Output Active, Power On, On Test, Panel Sounder Silenced, Delay Active, More Events Point Bypassed, General Trouble, Power Trouble, System Trouble & NAC Trouble

3 Photoelectric Smoke Sensor:

Simple and reliable device addressing
Automatic compensation for sensor contamination
Uses the noise-immune Digital Communication Protocol (DCP), which utilizes interrupts for fast response to fires
Programmable non-polling LEDs
Removable smoke labyrinth for cleaning or Replacement

4 Heat Detector

Simple and reliable device addressing method
Uses the noise immune Digital Communication Protocol (DCP), which utilizes interrupts for fast response to fires
Adjustable threshold temperature 135°F - 150°F (determined by panel)

5 Multi-Criteria Detector

Simple and reliable device addressing method
Uses the noise immune Digital Communication Protocol (DCP), which utilizes interrupts for fast response to fires
Removable smoke labyrinth for cleaning or replacement
Compatible with the analog sensors

6 Weatherproof Manual Pull Station

Metal Construction
Enclosed switch with glass rod (included)
10 Amps @ 120 VAC
Available in: Single Action & Dual Action

7 Conventional Fire Alarm Bell

Vibrating Type
High Sound Level
High Reliability
Low Power Consumption
Available in 6", 8" and 10" Housing

Fire Alarm System



1

Dual Relay Output Module

Contacts are rated as follow:
LE-DCP-R2ML: 2A @ 30 VDC / 0.5A @ 120 VAC
LE-DCP-R2MH: 8A @ 30VDC / 4.8A @ 250 VAC
Programming is highly flexible providing 16 priority states plus zoning capability
Operates on Class A or Class B SLC loop

4

Fast Response Contact Module

Single input contact monitor
Two different mounting configurations
127 devices can be used per DCP loop
Can be programmed to monitor Normally Open (NO) or Normally Closed (NC) contacts in Class B
Operates on Class A or Class B SLC loop
Accepts up to 14 AWG wire

2

Class A Supervised Output Module

Flexible application
Quick response to emergency conditions
Operation parameters are maintained by the module, and individual communication with the control system during emergency conditions is not required
Contacts are rated 2.0 Amps @ 24VDC
Programming is highly flexible providing 16 priority states plus zoning capability
Programmed device output is turned off, silenced, or programmed to output the selected pattern

5

Projected Beam Smoke Detector

Microprocessor based for reliability
Simple setup & alignment with signal strength LED's
Provides 60 feet on center linear protection at a range of 32.8 feet to 328 feet
Automatic compensation for signal drift or dirty lens
Three field adjustable sensitivity settings
Form A alarm and Form B trouble contacts
Calibrated filters available to verify sensitivity

3

Addressable Duct Detector

Detects and limits the spread of smoke throughout building HVAC ducts
Compatible with building automation and fire alarm systems
Installs quickly and easily
No screens or filters to clean
Rugged gray steel back box with clear cover
Accessories - Remote LED alarm indication capability (LE-DH-99-AR only)
Meets UL 268A Requirements

6

Dual Input Monitor Module

Dual input contact monitor
Can be programmed to monitor Normally Open (NO) or Normally Closed (NC) contacts
Operates on Class A or Class B SLC loop

Fire Door and Fire Extinguisher

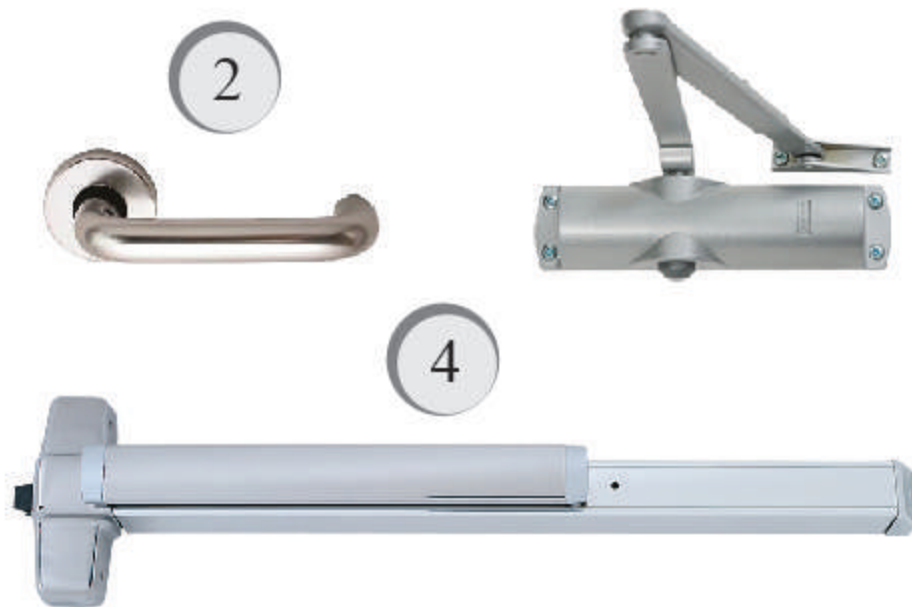


1

2

3

4



1 Fire Door

3 Door Closer

2 Door Handle

4 Panic Bar

1



2



3



4



1 ABCE Dry Powder

Max Working Pressure: 14 bar
Testing pressure: 25 bar
Temperature Range: -30~+60degree
Material Grade 50% DCP
Material: Mono Ammonium Phosphate

2 Carbon di-oxide (CO2)

Temperature Range: -30~+60degree
Material Grade 50% DCP
Test Pressure: 250bar

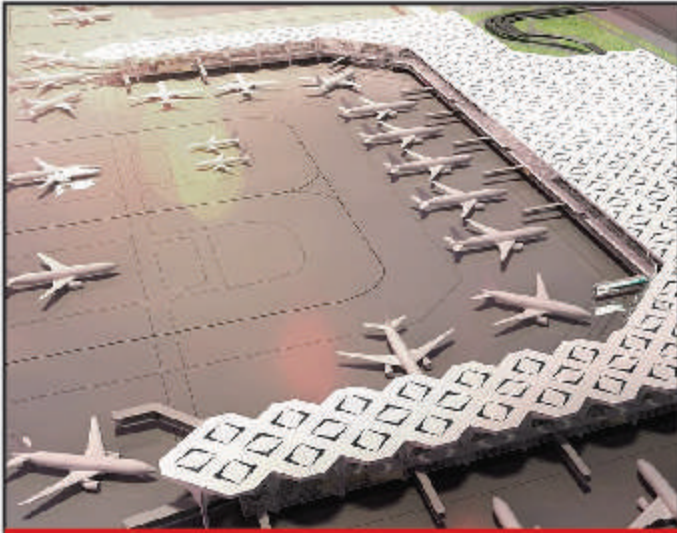
3 Liquid Foam

Max working pressure :14 bar
Testing pressure:40 bar
Temperature range:-30~+60degree
Materials Grade : AFF 3%
Materials- St12

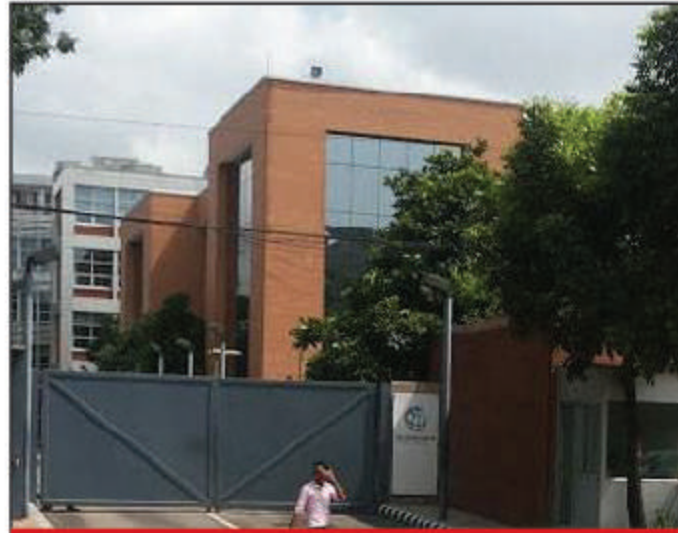
4 AFO Fire Ball

Dimension : Sphere, Diameter 15cm
Gross Weight: 1.30 Kg Approx
Chemical Weight: 1.25 kg
Fire Extinguishing Agent: Non-Toxic Mono Ammonium Phosphate

Major Projects



**Hazrat Shahjalal Int. Airport
Terminal-03**



World Bank-Dhaka



Bangladesh Bank



Neuro Science Building



**Mirpur
DOHS Shopping Complex**



Sheikh Hasina Medical College



Rajshahi Novo Theater



Impetus Construction Ltd.



SKS Shopping Complex



Bheramara 410MW Power Plant



**Ashuganj
Power Station Company Ltd.**



**Summit
Narayanganj Power Plant**

Client List

RMG Sector

1	Ha-meem Group	9	YKK Bangladesh PTE Ltd.
2	Sharmin Group	10	Badshah Textile Mills Ltd.
3	Group Reedisha	11	Pioneer knit wear bd Ltd.
4	Dekko Group	12	Simba Group
5	Fakir Group	13	BSA Group
6	Osman Group	14	Palmal Group
7	BITOPI Group	15	Muazuddin Textiles Ltd.
8	PARKSCENE Group	16	Crystal Martin Group

Commercial Sector (Govt & Non Govt)

1	Hazrat Shahjalal Int. Airport, Terminal-03	12	World Bank-Dhaka
2	Rajshahi Novo Theater	13	Cox's bazar Development Board
3	Sheikh Hasina Medical College	14	Foreign Ministry
4	Information Building	15	Bangladesh Bank
5	Neuro Science Building	16	Jamuna Oil
6	Mymensingh Cantonment	17	Padma Oil
7	Times Media Ltd.	18	Shahid Anwar Girls College
8	Impetus Construction Ltd.	19	Dhaka Cantonment
9	OR'S QTR Dhaka Cantonment	20	Cantonment Board, Dhaka
10	Mirpur DOHS Shopping Complex	21	KBH Shopping Complex
11	Rajuk Uttara Apartment Project	22	Eastern Refinery Ltd.

Power Sector

1	Ashuganj Power Station Company Ltd	3	Summit Barisal Power Plant
2	Summit Narayanganj Power Plant	4	Bheramara Power Plant-410MW CCPP



Call for Expert Assistance

01841 357 053



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