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Since-1998

Fire Detection - Fire Hydrant - CCTV - PA System



Let our systems. Do the thinking.....

SECURITY BEYOND YOUR EXPECTATION.



GREEN BENGAL ENGINEERING LIMITED

Electro-Mechanical Services Provider

Your Safety Partner



GREEN BENGAL ENGINEERING LIMITED

GBEL is pleased to introduce ourselves as one of the leading Companies specialized in the field of fire safety and security established in 1998. For more than 18 years the company started (Done By Green Bengal International, Electro Mechanical Services Provider - The Previous Co./ Mother Co.) its business with a promising goal to fulfill and satisfy the ultimate need of our customers. Having extensive technical knowledge gained through years of experience, GBEL fire safety and security are strongly capable of offering a constant stream of new solution for your current technical requirements.

We provide fire Detection and Fire Alarm System, Fire Hydrant System, Fire Sprinkler System, Fire Resistant Door, PA with Sound System, CCTV System, Fire Extinguisher and other fire fighting solution according to NFPA & BNBC.

OUR SCOPES :

- Fire Hydrant System, Sprinklers system - with fire pump.
- Fire detection/Protection / Intruder Alarm System.
- Fire resistant doors.
- Public Address with Sound System.
- CCTV based Security Surveillance System.
- Auto-Extinguishing System - Foam, Co2, Hallogen FM 200.
- Access control & Time Attendance Management System.
- Generator - Maintenance, Servicing and Over Hauling,.
- Boiler - Supply and Installation.
- Sub-station & Solar system.

QUALITY :

- We provide guarantee to all our products that comply with the best international standards.
- Committed to provide spare parts guarantee for for our products for at least 10 Years.

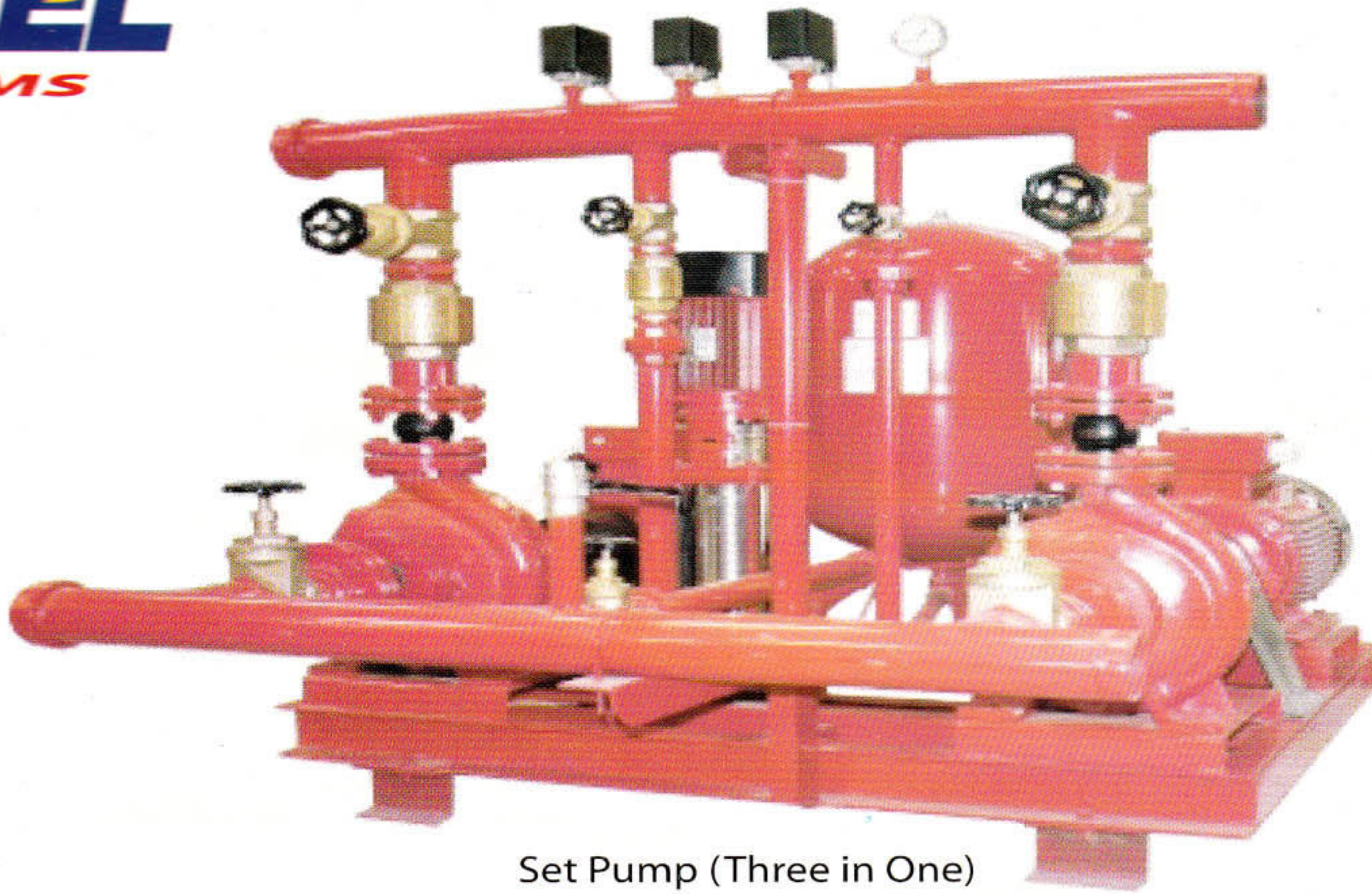
WE DEAL WITH :

- Fire hydrant - sprinkler & gas suppression system - UK - Italy, Malaysia.
- Automatic Addressable Fire Alarm System - UK, EU.
- Fire pump - Ajax Australia, Grundfos - Germany,
- Calpeda - Italy, Ritz Germany.
- Morley-las and Apollo Fire detection system-UK.
- TOA Sound System - Japan.
- CCTV System - Japan, CCTV System - Taiwan, China.
- Access Control System - Korea - Taiwan.
- Fire fighting Equipments - China, Malaysia, Japan, UK.

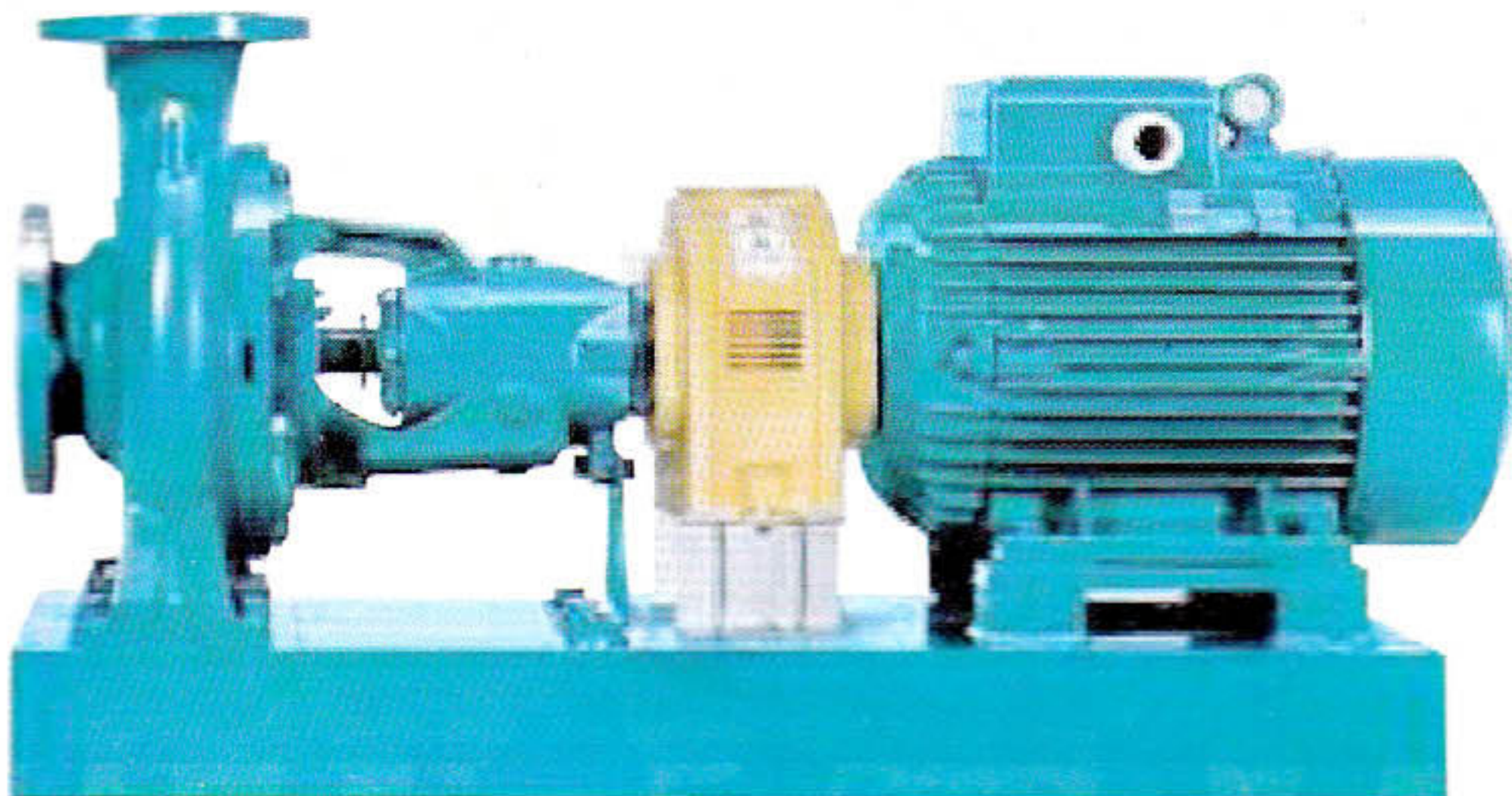
For more information contact

www.gbelfire.com





Set Pump (Three in One)

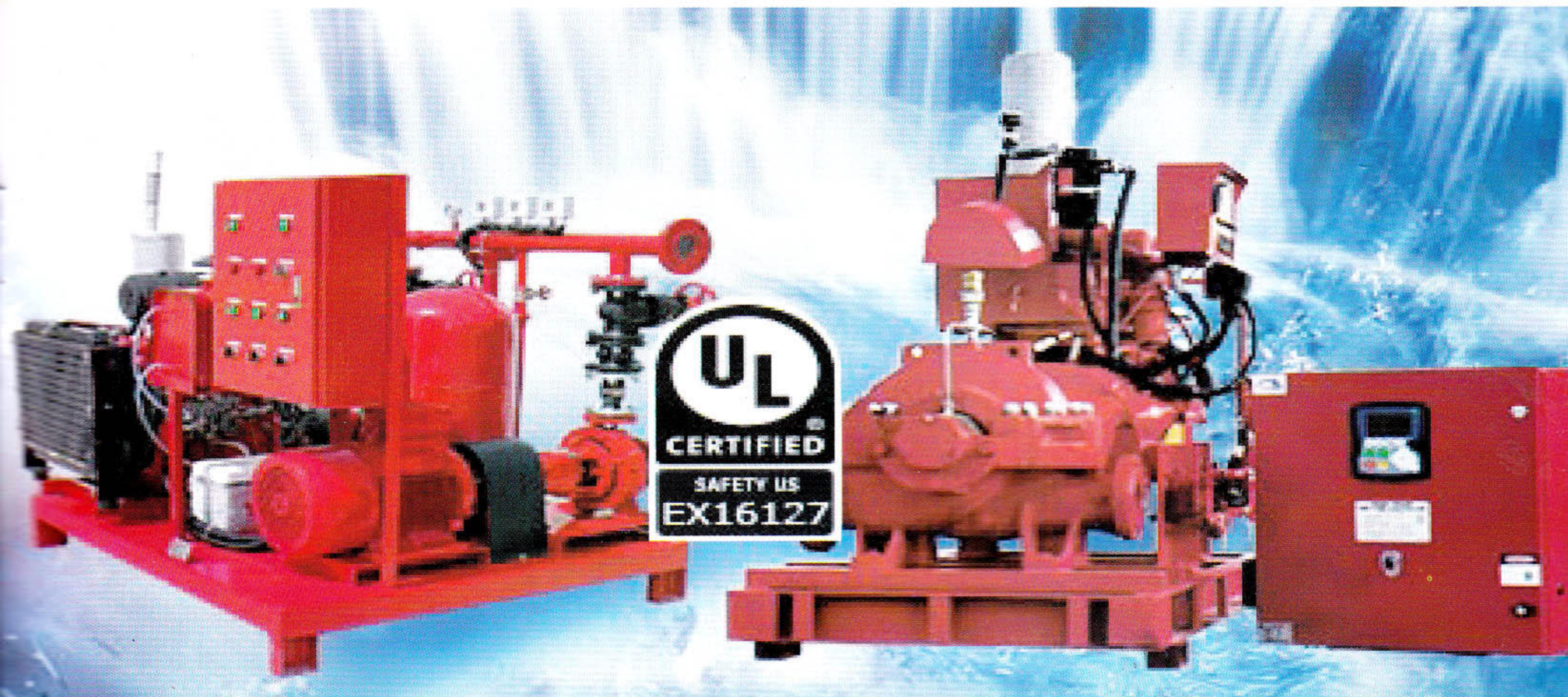


Electricity Driven Fire Pump/Centrifugal Fire Pump
Origin Italy/Germany (Motor Driven)



Jockey Pump

More than Safety





Bib Nose Valve



Oblique Valve



Delivery Hose Coupling

Specification

- I. Aluminum Alloy to BS 1490 LM 25
- II. Copper Alloy to BS 1400 LG 2
- Finishing : Natural
- Coupling Tail : Ribbed Tail

Gbel-Security Solutions



2-way & 4 Way Breeching Inlet



Hose Rack Assembly

The hose Rack assembly is located inside buildings at the wet or dry riser outlet. It features a rack in which hangs the layflat fire hose (30m). An automatic release mechanism allows water to flow through the hose after removal of the hose and nozzle. The rack is available in sizes of 1 - 1/2" and 2 - 1/2". There are two methods of mounting the hose rack. One is by using a wall bracket and the other is by fixing on to a right angle valve.



Fire Hose, Type-3

External and internal rubber lining, with polyester fibre reinforcement.
 Resistance to oil, acids, alkalis and industrial chemicals.
 Resistance to heat, cold and ozone.
 Standard length : 30m
 Available colour : Red-White
 Manufactured to BS 6391 Type 3



Piller Hydrant



PORTABLE DRY POWDER FIRE EXTINGUISHER

Dry powder fire extinguisher is the most versatile fire extinguishers available. It is ideal for areas with multiple fire hazards as it is effective on Class A (Carbonaceous material such as paper and wood), Class B (Flammable Liquids), & Class C (Flammable gas) fires. Only fires involving flammable metals such as magnesium and sodium should be avoided.

Dry powder is electrically non conductive and is not dangerous to human or animals. It is a free flowing powder with composition based on ammonium phosphate and sulphate with special additives to improve fluidity and storage.



EUROPEAN FIRE HOSE REEL

The SRI Euro fire hose reels has been tested and approved to EN671 by British Standards Institution. This range for fire hose reel has a slimmer design which can fit into smaller depth. For swing hose reel the inlet of the hose reel is fitted with a flexible hose and coupling for connection to the control valve for water supply.



Sprinkler Type Fire Extinguisher



CO2 Type Fire Extinguisher

- British Standards Institution _ BSI approval.
- Suitable for Class B & Electrical Hazards.
- High quality and good value.
- Colour coded for instant recognition.
- Available in aluminium and light weight steel.
- Easy to use and leave no messy residue.
- ISO 9001 Certified Quality System by QAS Australia.

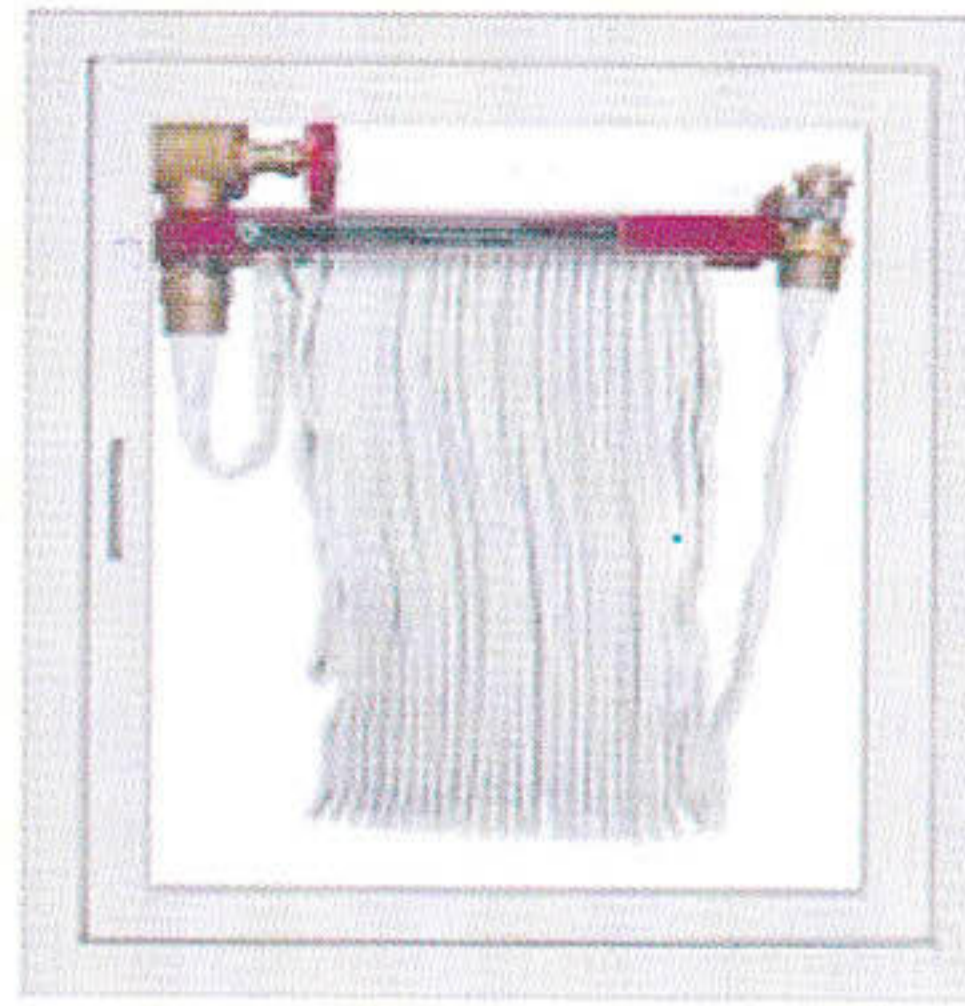
CAST IRON GATE VALVE



Specification

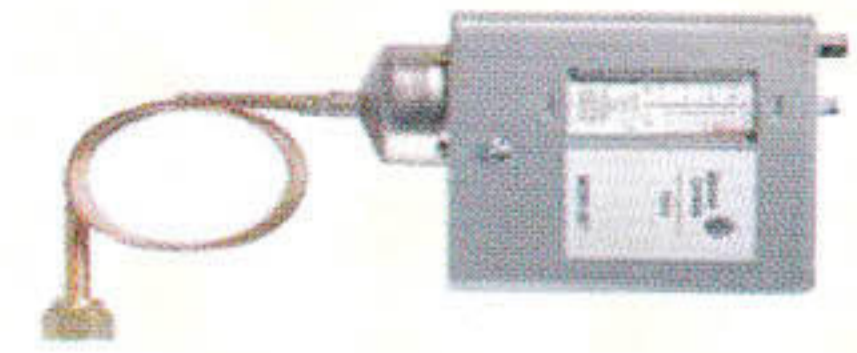
Non rising stem and O.S & Y
 Body, bonnet, disc and handwheel material:
 Cast iron to BS 1452 Gr 220
 Body seat ring and disc seat ring: Gummetal LG@
 Stem materi : Polyamide (Non-asbestos)
 Gasket Material : Rubber
 Available with handwheel operated or key operated.

HOSE CABINET



SPECIFICATION

Dimension 900.0mm (w) x 1100.0mm (H) 300.0mm (D)
 Material Mild Steel
 Thickness 1.2mm
 Installation Wall Mounted
 Capacity 1-1/2" or 2-1/2" Hose Rack Assembly



SINGLE LOW PRESSURE CONTROL

Features

Pressure range : 1 to 10 bar
 Differential pressure 1 to 3 bar
 SPDT Contacts.
 Adjustment of range and differential can Be done bu turning the hexagonal screw Applications.
 Pressure sensing of sprinkler system to provide automatic starting of sprinkler system pumps.

BUTTERFLY VALVE Bomba Approved



SILENT CHECK VALVE



Design Features

* Prevents water hammer due to flow reversal, as valve will completely close before reversal of flow takes place
 * PN16 or Table E Flange connection
 Working Pressure : 16 Bar
 Seat Test Pressure : 17.6 Bar
 Body Test Pressure: 24 Bar
 Installation : Horizontal or Vertical

CAST IRON Y-STRAINER



SPECIFICATION

Body and Bonnet material : Cast Iron
 Screen material : Stainless steel
 Flanged : BS 10 Table E
 Working Pressure : 16 bar
 Test Pressure : 20 bar
 Screen size : 2mm Diameter

FLEXIBLE EXPANSION JOINT



Flange Type Single Sphere

WAFER CHECK VALVE



Specification

Working Pressure : 16 Bar
 Factory Pressure test : 24 Bar
 Body material : Cast iron BS 152
 Disc material : Ductile iron
 Seat : EPDM



OSCILLATING MONITOR

Horizontal oscillation when water pass through monitor.
 Oscillation angle adjustable in 15 steps from (30 to 12°).
 Oscillating speed adjustable from 2 to 10 per sec.
 Manual movement 360 horizontal.
 Material of construction gun metal
 4" ANSI inlet flange.



Jet/Spary Nozzle Control Valve

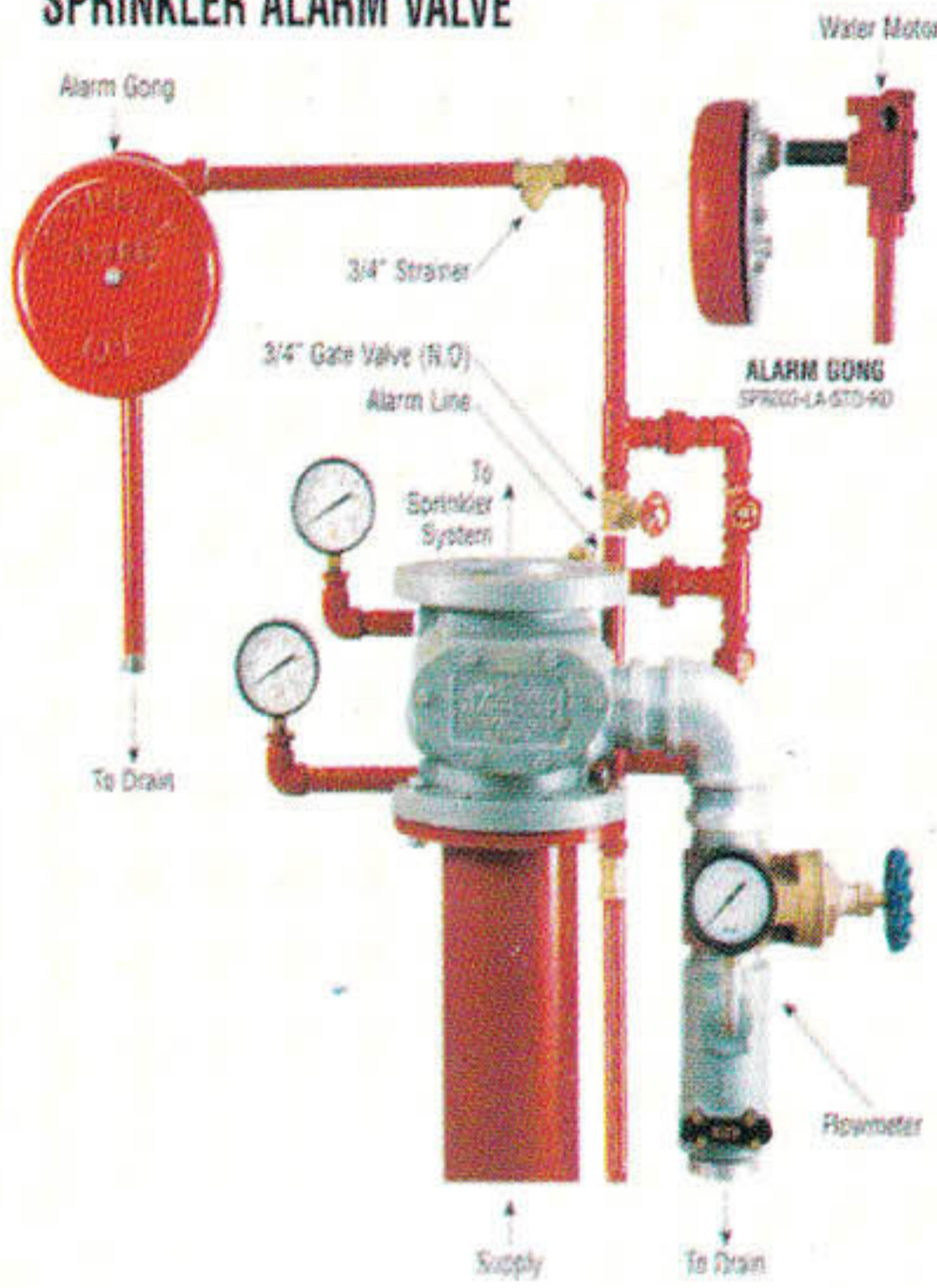


Jet Nozzle Complete With Branchpipe



Diffuser Nozzle 500 (Jet/Spary)

SPRINKLER ALARM VALVE



The alarm valve is an alarm device designed for installation in a sprinkler system. It is used to actuate a fire alarm when flow of water from the sprinkler system exceeds that of a single sprinkler. When a sprinkler is in operation, the resulting water flow lowers the pressure in the sprinkler system. The greater water supply pressure then causes the alarm valve clapper to open. The seat ring opening of the alarm valve allows the water to flow into the alarm line connection which will then operate the alarm gong. The by-pass connection is the check valve allows pressure surges from the supply to by-pass the alarm valve clapper. An excess system pressure is thus created which steadies the clapper.



Sprinkler Head without base

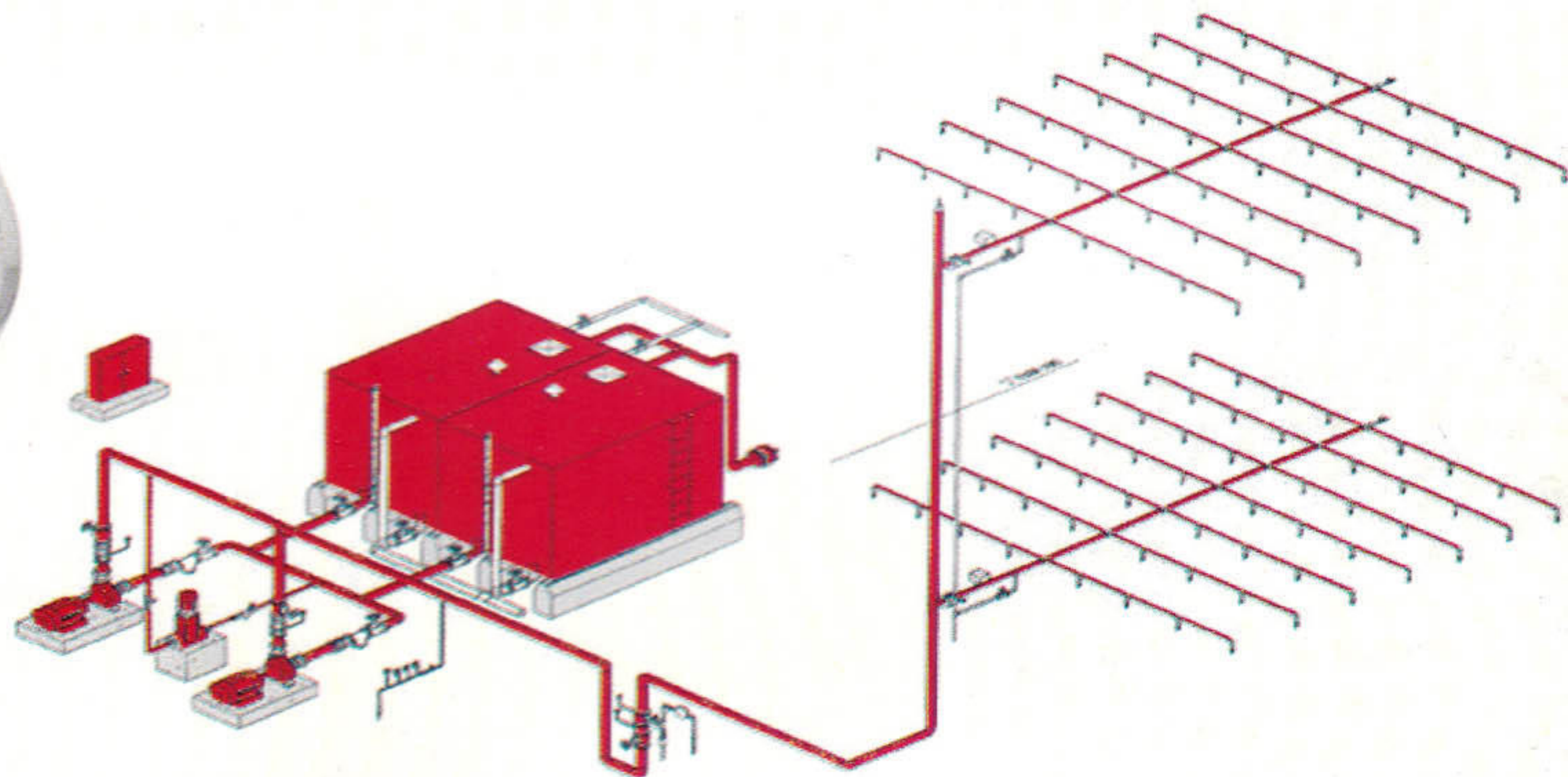
A retard chamber is used when the water supply pressure fluctuates, such as public main water supply. It is used to prevent false alarms caused by surges or fluctuations in pressure.

Specifications

- Working Pressure : 175 Psi (12bar)
- Factory hydrostatic test pressure : 350 Psi (24bar)
- Flange Connection : ANSI B13.1 125 FF Flange
- Thread Connections : BSP



Sprinkler Head



Sprinkler Model

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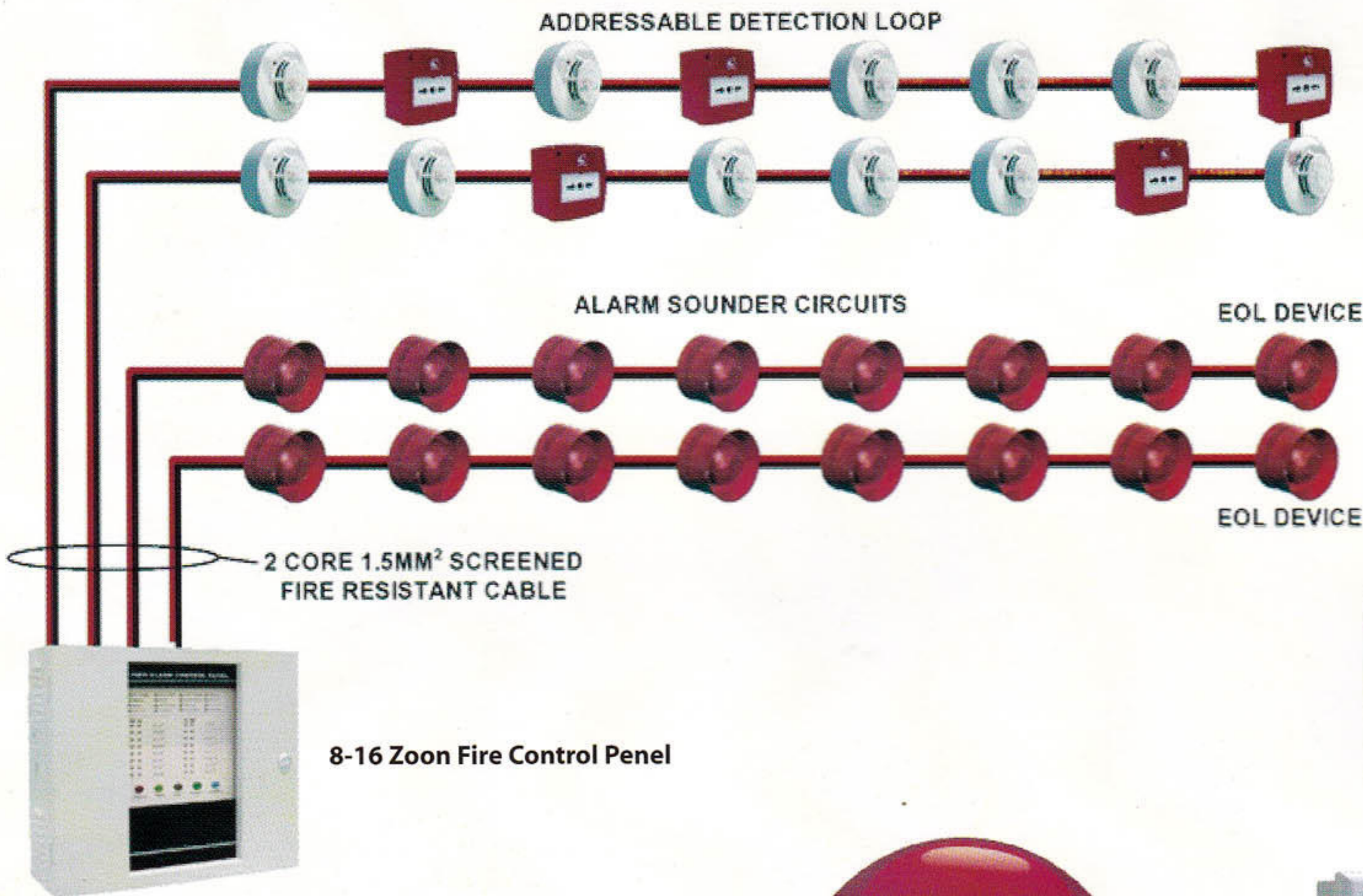


Addressable Fire Alarm System Equipment

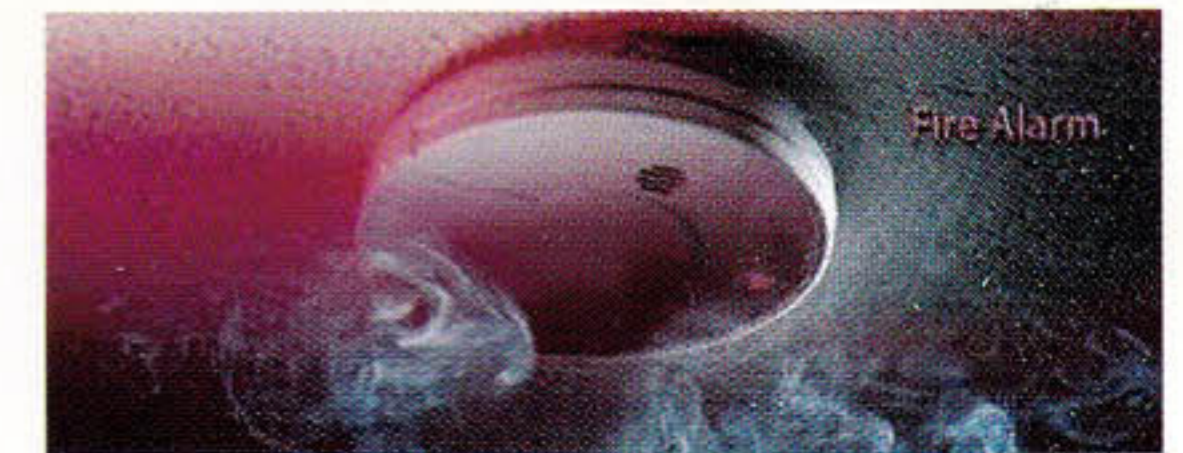


Fire Control Panels & Repeaters UL / FM Approved

CTec Conventional Fire Alarm System



Call Point



Smoke Detector



Heat Detector



Alarm Bell



Fire Alarm Panels

Gbel-Security Solutions





CCD Camera



Color CCD Camera



Color CCD Camera



Digital Color CCD Dome Camera



Pantilt Zoom Camera



Camera in House



Zoom Camera



Day Night Dome Camera



Dome Camera



Day Night Dome Camera



Day Night Standard Camera



Day Night Dome Camera



Standalone DVR

Gbel-Security Solutions



Amplifire



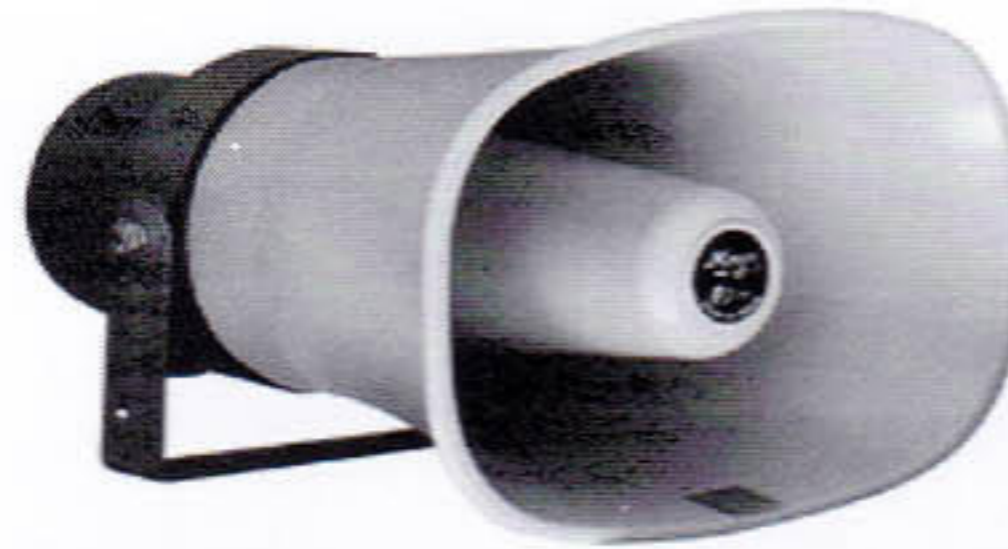
Microphone



Ceiling Type Speaker



Horn Type Speaker



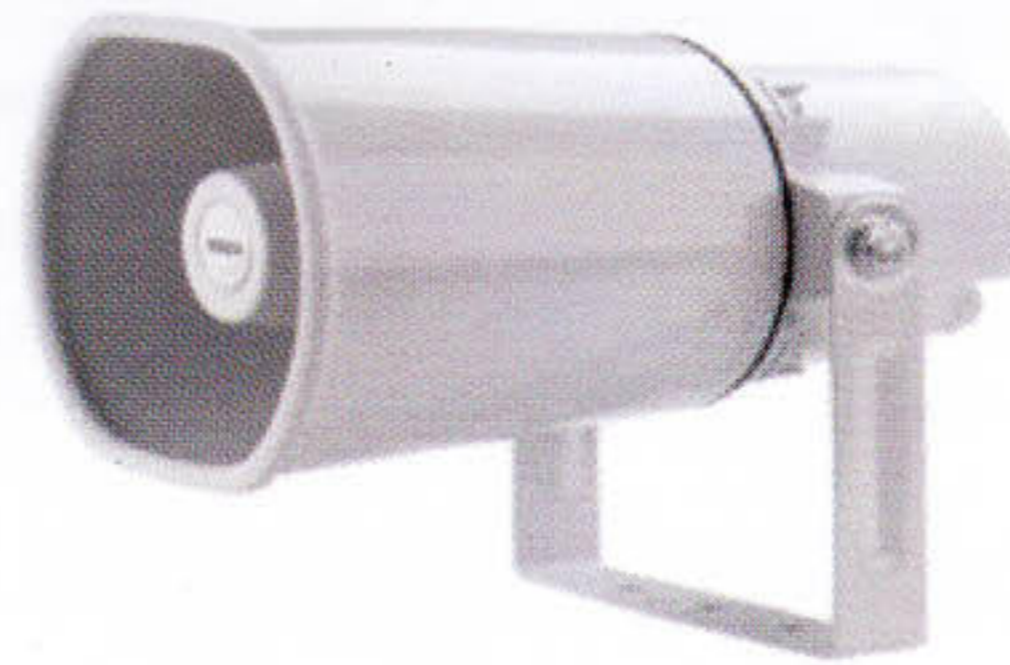
Horn Type Speaker



Microphone with Table Stand



Ceiling Type Speaker



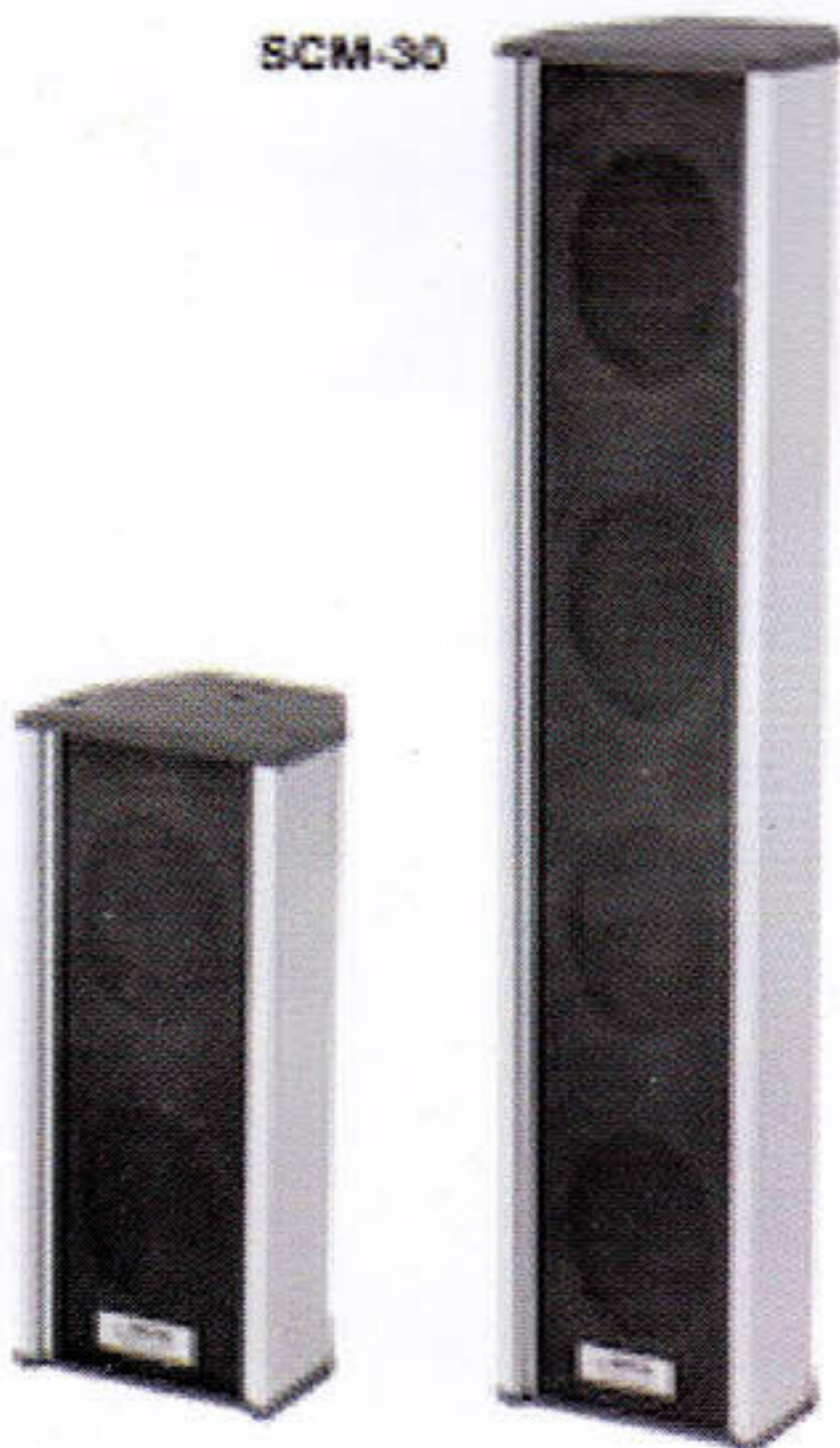
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Hand Held Metal Detector

SCM-15

SCM-30



Column Speaker



Conferance System



Partial List of Installation have been done/Commissioned by GBEL

| Sl. No. | Name of Client | Description |
|---------|--|--|
| 1. | Bank Asia Ltd. Principal Branch Motijheel, Dhaka | Supply and Installation of CCTV and Fire Alarm system at Bank Asia Ltd. Principal Branch Motijheel, Dhaka, Year-2003 |
| 2. | Hotel Orchard Plaza, Naya palton- 14th storied building. | Supply and Installation of Fire Hydrant, Fire Extinguisher and Fire Alarm with sprinkler system at Hotel Orchard Plaza, Naya palton- 14th storied building, Year-2001. |
| 3. | Hotel Victory at Naya paltan, 16th storied building. | Supply and Installation of Hotel Victory at Naya paltan, 16th storied, System- Fire Hydrant & Fire Alarm System |
| 4. | Rapa Plaza, Dhanmondi. Road - 27, Dhaka. | Supply and Installation of CCTV, Fire Hydrant & Fire Alarm System with PA System at Year-2001 |
| 5. | Rupayon Center, Mohakhali-21 storied building. | Supply and Installation of Fire Alarm system with Fire Hydrant System at Rupayon Center, 21 storied building, Year-2006. |
| 6. | Sheltec Sierra Pantha path-Green Road, Dhaka. | Supply and Installation of Fire Hydrant System Sheltec Sierra 12th storied residential building at Panthapath-Green Road, Dhaka, Year-2005. |
| 7. | Commercial Building at Elephant Road, Dhaka. | Supply and Installation of Fire Hydrant & Fire Alarm System Commercial building Elephant Road, Priya Prangon, Dhaka. |
| 8. | United Commercial Bank Ltd. Principal Branch, Motijheel, Dhaka. | Supply and Installation of CCTV system UCBL Principal Branch, Motijheel Dhaka. Year-2001 |
| 9. | United Commercial Bank Ltd. Elephant Road Branch, Dhaka. | Supply and Installation of CCTV system at UCBL Elephant Road Branch, Dhaka. Year- |
| 10. | Jamuna Fashion Ltd. | Supply and Installation of Fire Hydrant & Fire Detection System at Jamuna Fashion Ltd. Tangi, Year-2013 |
| 11. | Blue Planet Knit Wear Ltd. Maona, Gazipur. | Supply and Installation of Fire Hydrant at Jamuna Fashion Ltd. Tongi, Year-2013 |
| 12. | Beautiful Jacket Hemayetpur, Savar, Dhaka. | Supply and Installation of Fire Hydrant & Fire Detection System at Jamuna Fashion Ltd. Tongi, Year-2013 |
| 13. | One Bank Ltd. at Feni Branch. | Supply and Installation of CCTV system One Bank Ltd. at Feni Branch. Year-2007 |
| 14. | One Bank Ltd at Sirajgonj Branch. | Supply and Installation of CCTV system One Bank Ltd at Sirajgonj Branch. Year-2007 |
| 15. | One Bank Ltd at Bangsal Branch, Dhaka. | Supply and Installation of CCTV system One Bank Ltd at Bangsal Branch, Dhaka. |
| 16. | One Bank Ltd Dagon Bhuiyan Branch, Feni. | Supply and Installation of CCTV system One Bank Ltd at Dagon Bhuiyan Branch, Feni. |
| 17. | One Bank Ltd at Nabab gonj Branch. | Supply and Installation of CCTV system One Bank Ltd at Nabab gonj, Dhaka. |
| 18. | One Bank Ltd at Bogra Branch. | Supply and Installation of CCTV system One Bank Ltd at Bogra Branch. |
| 19. | One Bank Ltd at Nanupur, Dampara, Chittagong, | Supply and Installation of CCTV system One Bank Ltd at Nanupur, Dampara, Chittagong |
| 20. | One Bank Ltd at Jatrabari, Branch, Dhaka. | Supply and Installation of CCTV system One Bank Ltd at Jatrabari, Branch, Dhaka |
| 21. | One Bank Ltd at Agrabad Branch, Chittagong. | Supply and Installation of CCTV system One Bank Ltd at Agrabad Branch, Chittagong. |
| 22. | One Bank Ltd at Khatungonj Branch, Chittagong | Supply and Installation of CCTV and Fire Alarm system One Bank Ltd at Khatungonj Branch, Chittagong. |
| 23. | One Bank Ltd at Mirpur-11, Branch, Dhaka. | Supply and Installation of CCTV system One Bank Ltd at Mirpur-11, Branch, Dhaka. |
| 24. | One Bank Ltd at Dhaka EPZ Branch, Dhaka. | Supply and Installation of CCTV system One Bank Ltd at Dhaka EPZ Branch, Dhaka. |
| 25. | Rahim Steel Ltd. Tejgaon, Industrial Area, Dhaka. | Supply and Installation of Fire Hydrant and Fire Extinguisher at Rahim Steel Ltd. Tejgaon, Industrial Area, Dhaka. |
| 26. | Kaizuddin Tower, 16th Storied Building, Elephant Road, Hatirpool, Dhaka. | Supply and Installation of Fire Hydrant System Tower, 16th Storied Building, 'Elephant Road, Hatirpool, Dhaka in 2005. |
| 27. | Sylhet City Center 12 storied building at Zindabazar, Sylhet. | Supply and Installation of Fire Hydrant and Fire Alarm system with Sound system and CCTV system at Sylhet city Cente/ 12 storied building at Zindabazar, Sylhet. |
| 28. | Equity Heights 12 storied Building Nasirabad-Chittagong. | Supply and Installation of Fire Hydrant and Fire Alarm system at Equity Heights 12 storied Building Nasirabad- Chittagong. |
| 29. | Premier Bank Ltd. Agrabad Barnch Chattagong. | Supply and Installation of Fire Extinguisher, Premier Bank Ltd. Agrabad Branch, Chattagong. |
| 30. | Sagor Knit Wear Ltd. | Supply and Installation of Fire Extinguisher and CCTV system at Sagor Knit Wear Ltd. |
| 31. | Lalbagh Chemical, Tejgaon, Dhaka. | Supply and Installation of Fire Fighting system at Lalbgh Chemical, Tejgaon, Dhaka. |
| 32. | Ahmed Fashion Ltd. Darus Salam Road. Gabtoli Road, Dhaka. | Supply and Installation of Fire Fighting system at Ahmed Fashion Ltd. Darus Salam Road. Gabtoli Road, Dhaka. |
| 33. | Amco Fashion Ltd. | Supply and Installation of Fire Fighting system at Amco Fashion Ltd. |
| 34. | Sylhet Millennium Shopping Complex | Supply and Installation of Fire Hydrant, CCTV & PA with Sound System at Sylhet Millennium Shopping Complex, Jinda bazar Sylhet. |
| 35. | Blue Water Shopping Complex, Jinda Bazar, Sylhet. | Supply and Installation of Fire Hydrant, CCTV, Fire Alarm & PA with Sound System at Blue Water Shopping Complex, Jinda Bazar, Sylhet. |
| 36. | Kakoli Shopping Complex, Jinda Bazar, Sylhet | Supply and Installation of Fire Hydrant, CCTV, Fire Alarm & PA with Sound System at Kakoli Shopping Complex, Jinda Bazar, Sylhet. |
| 37. | Young One Synthetic Fibres Industries Ltd. | Supply and Installation of Fire Hydrant at Young One Synthetic Fiber Industries Ltd. |
| 38. | Young One Hi-Tech Sport Wear Ltd. | Supply and Installation of Fire Hydrant and at Young One Hi-Tech Sport Wear Ltd. |
| 39. | K & T Logistic Private Port at CTG EPZ | Supply and Installation of Fire Hydrant and Fire Detection System at K & T Logistic Private Port at CTG EPZ |
| 40. | Rajoni Gandha Shopping Complex - 6 Storied Building, Commercial Building, Dhaka Cantonment, Dhaka. | Supply and Installation of Fire Hydrant and Fire Alarm system with Sound system and CCTV system at Rajoni Gandha Shopping Complex, Commercial Building, Dhaka Cant., |
| 41. | Enam Medical College, Savar, Dhaka. | Supply and Installation of Fire Hydrant at Enam Medical College Hospital, Savar, Dhaka. |
| 42. | PHP Still Mills | Supply and Installation of CCTV System Shitakunda at CTG |
| 43. | Creative Wool Wear Ltd. - Magpie Group | Supply and Installation of Fire Hydrant and Fire Detection & Alarm system - On going project Darus Salam Road, Mirpur-01, Dhaka. |
| 44. | Ratul Knit Wear Ltd. (RatulGroup) | Supply and Installation of Fire Hydrant , Pukurpar, Zirabo, Ashulia, Dhaka. |
| 45. | Ratul Fabrics Ltd. (RatulGroup) | Supply and Installation of Fire Hydrant , Alarm system Fire Detection System. Jahurchanda, Zirabo, Ashulia, Dhaka. |
| 46. | Ratul Accessorise Ltd. (RatulGroup) | Supply and Installation of Fire Hydrant, Fire Detection & Alarm system, Ashulia, Dhaka. |
| 47. | Well done Apparels Ltd. (MNR Group) | Supply and Installation of Fire Alarm system, Baridher Chala, Master bari, Sreepur, Gazipur. |
| 48. | Dhaka Judge Court Bar Association Bhaban. 09 Storied Building. | Supply and Installation of Fire Alarm system and Fire Hydrant - Hand over project. Bar Association Bhaban. Dhaka-1000. |
| 49. | SRT FASHIONS LIMITED 12 storied Building. | Supply and Installation of Fire Detection & Alarm system and Fire Hydrant , Fire Sprinkler System, Fire Door Industrial Plot No: M-4/4, Section: 14, Mirpur, Dhaka. |
| 50. | Sattara Twower 16 th storied Building. | Supply and Installation of Sattara Tower at Naya paltan, 16th storied, System- Fire Alarm System |
| 51. | UCBL Bank - Head office Gulshan-02, Dhaka. | Supply and Installation of Automatic Fire Hydrant System . |
| 52. | Zilla parishad bhaban at Sadarghat, 20 storied building. | Supply and Installation of Fire Detection & Alarm system, Automatic Sprinkler With Automatic Fire Hydrant System - in processing. |
| 53. | Jagannath University, Savar 15 storied building. | Supply and Installation of Fire Detection & Alarm system, Automatic Sprinkler With Automatic Fire Hydrant System - in processing. |
| 54. | Brothers Furniture Progoti Sarani, Baridhara | Supply and Installation of Automatic Fire Hydrant System - in processing. |



GREEN BENGAL ENGINEERING LIMITED

Gbel-Security Solutions

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GBEL - YOUR SAFTY CONSULTANT

