



PRODUCT CATALOG

Your Life's Safety, Our Life's Mission





Quality.
Service.
Trust.
Ethics.

In the last 3 decades, we have been constant in the most important aspects of a business, i.e., Quality, Service and Ethics. Universal Fire has been involved in the best quality products such as those of HD Fire, Swati Fire, System Sensor, Agni, Kartar, Zoloto and so on and we pledge to continue our journey with same trust and value and enthusiasm.

PENDENT AND UPRIGHT SPRINKLER

- Standard and quick response with standard coverage
- Pendent or Upright mounting
- Temperature rating: 57°, 68°, 79° & 93°C
- K-factor 5.6 and 4.2
- Brass, Chrome or White / Custom colour finish
- Pendent sprinkler model available with 141°C & 182°C



CONCEALED SPRINKLER

- Standard and quick response
- Temperature rating:
 - 57°C & 68°C for Sprinkler bulb & 57°C for Cover Plate
 - 79°C & 93°C for Sprinkler bulb & 68°C for Cover Plate
- K-factor 5.6
- Brass Sprinkler with White or Chrome finish Cover Plate



RECESSED SPRINKLER

- Pendent or sidewall mounting
- Sprinkler comes with two-piece Recessed Escutcheon with recessed adjustment from the flush position
- Escutcheon plate in powder coated white finish or chrome finish



HORIZONTAL SIDEWALL SPRINKLER

- Standard and quick response with standard coverage
- Horizontal Sidewall mounting
- Temperature rating: 57°, 68°, 79° & 93°C
- K-factor 5.6
- Brass, Chrome or White / Custom colour finish



SPRINKLER GUARD

- Sprinkler guard comes in hard-wired cage design, chrome plated
- Used for encasing the sprinkler and protecting it from any inadvertent damages
- Suitable for pendent and upright mounted sprinklers



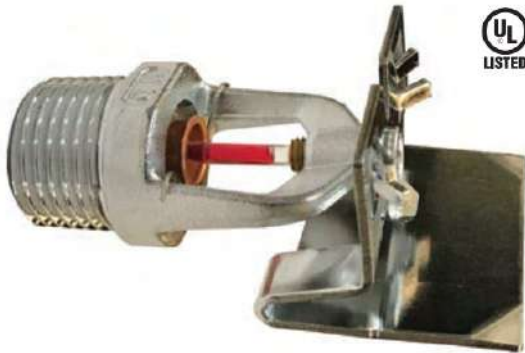
HORIZONTAL SIDEWALL SPRINKLER

- Standard and quick response with standard coverage
- Vertical Sidewall mounting
- Temperature rating: 57°, 68°, 79° & 93°C
- K-factor 5.6 and 4.2
- Brass, Chrome or White/ Custom colour finish



EXTENDED COVERAGE SPRINKLER

- Quick response with extended coverage
- Horizontal side-wall mounting
- Temperature rating: 57°, 68°, 79° and 93° C
- K-factor 5.6
- Brass, Chrome or White / Custom colour finish
- UL Listed



PENDENT AND UPRIGHT SPRINKLER (K8)

- ¾" BSPT/NPT
- Standard and quick response with standard coverage
- Pendent or Upright mounting
- Temperature rating: 57°, 68°, 79° and 93° C
- K-factor 8
- Brass, Chrome or White / Custom colour finish
- UL Listed



SPRINKLER FLEXIBLE DROP

- Flexible Sprinkler Connections
- Braided & Unbraided
- Complete unit, a corrugated Stainless Steel flexible with nipple, reducer, Bar and brackets
- ½" or ¾" outlet
- Sizes: 700mm, 1000mm, 1200mm, 1500mm, 1800mm
- Max Service Pressure - 12 kg/cm.sq



TEST AND DRAIN VALVES

- Models: HD01, HD90 and HD91
- Size: 1", 1-¼", 1-½", 2"
- Screwed and Grooved type end connection
- Max. Working Pressure 300 PSI
- K-factor 5.6 or 4.2 (optional)
- Brass construction (ASTM B584)
- Integral tamper resistant sight glass
- UL Listed & FM Approved



Medium Velocity Water Spray Nozzles



- Size: 1/2" BSPT or NPT
- Open orifice design used in deluge water spray system
- Non-automatic fixed pattern, external deflector
- Solid cone discharge
- K-factor (Metric): 18, 22, 30, 35, 41, 51, 64, 79, 91 & 102
- K-factor (US): 1.26, 1.54, 2.10, 2.45, 2.87, 3.57, 4.48, 5.53, 6.37 & 7.14
- Spray angle: 65°, 80°, 90°, 100°, 110°, 120° & 140°
- Each Nozzle permanently marked with model number, batch number, spray angle, K-factor, UL & FM mark
- Approvals: UL Listed and FM Approved (All Models)
Lloyd's Register Type approval for marine applications
FM Approved Blow-Off Plug

MODEL MV-A & MV-AS

- Brass construction
- Finish - Brass or Nickel Chrome



MODEL MV-E

- Aluminium Bronze construction
- Finish - Natural



MODEL MV-B & MV-BS

- Stainless Steel construction
- Finish - Natural



MODEL MV-B & MV-BS

- Model: MV-C (SS), MV-CB (Brass), MV-CE (Al Bronze) MV-CS (SS construction with SS strainer), MV-CBS (Brass construction with Copper Strainer)
- K-factor (Metric): 30, 51, 64, 79, 102 and 18 & 22 in MV-CS & MV-CBS
- K-factor (US) 2.1, 3.5, 4.35, 5.45, 6.75 and 1.3 & 1.5 in MV-CS & MV-CBS
- Spray angle: 120° & 140°
- UL Listed



Medium Velocity Water Spray Nozzles

HIGH VELOCITY WATER SPRAY NOZZLE (3/4")

- HV-AS in Brass material with Copper Strainer
- HV-BS in Stainless Steel material with Stainless Steel Strainer
- Non-automatic, open orifice, directional spray nozzle
- For high velocity water application for protection of flammable liquid and electric transformers
- K-factor: K-22 x 75°, K-18 x 80°, K-26 x 100°, K-32 x 90°, K-42 x 115° and K-23 x 120°
- Nozzle also available with blow-off cap
- Approvals: UL Listed



HIGH VELOCITY WATER SPRAY NOZZLE (1")

- HV-AS in Brass material with Copper Strainer
- HV-BS in Stainless Steel material with Stainless Steel Strainer
- Non-automatic, open orifice, directional spray nozzle
- For high velocity water application for protection of flammable liquid and electric transformers
- K-factor: K-22 x 75°, K-18 x 80°, K-26 x 100°, K-32 x 90°, K-42 x 115° and K-23 x 120°
- Nozzle also available with blow-off cap
- Approvals: UL Listed



WINDOW / WATER CURTAIN NOZZLE MODEL CN/CNS

- Size: 1/2" & 3/4" BSPT or NPT
- Non-automatic open orifice, fix pattern
- Used as curtain nozzle or window sprinkler
- UL Listed



TANK COOLING NOZZLE MODEL TS/TSS

- Size: 1/2" & 3/4" BSPT or NPT
- Non-automatic open orifice, fix pattern
- Used for Tank cooling applications
- UL Listed



REVOLVING NOZZLE

- Size: 65, 80 or 100 mm flanged (2.5", 3" or 4")
- Model: RH
- Bronze construction
- Working pressure 2.0 to 12.0 kg/cm.sq (30 to 175 PSI)
- Flow 285 to 950 lpm (75 to 251 gpm) at 2 kg/cm.sq.
- Coverage: 10 metres in diameter at 2 kg/cm.sq (30 PSI)



JUMBO CURTAIN NOZZLE

- Size: 65, 80 or 100 mm flanged end (2.5", 3" or 4")
- Stainless Steel construction
- Used to segregate the area by creating water curtain
- Flow 1000 to 3000 lpm (264 to 792 gpm) at 7 kg/cm.sq. (100 PSI)
- Produces flat water curtain projecting upwards





DELUGE VALVE MODEL A

- Size: 50, 80, 100, 150 & 200 mm (2", 3", 4", 6" & 8")
- Cast Iron construction
- Maximum service pressure 12kg/cm.sq (175 PSI)
- Vertical inlet and Horizontal outlet
- Flanged connection dimensions to ANSI B 16.1
- Diaphragm operated with rubber to metal drip-tight positive sealing
- Reset without any tools
- Easily trimmed for actuation by manual, remote solenoid valve & with wet or dry pilot
- Internal and external surfaces epoxy coated for extra protection



DELUGE VALVE MODELS H2 & H3

- Size: 50, 80, 100, 150 & 200 mm (2", 3", 4", 6" & 8")
- H2: Cast Steel ASTM A216 WCB construction
- H3: Ductile Iron ASTM A536 construction
- Maximum service pressure 17.5 kg/cm.sq (250 PSI)
- Horizontal or Vertical mounting
- Flanged (ANSI) or Grooved Type Connection
- Diaphragm operated with rubber to metal drip-tight positive sealing
- Auto-reset type
- Easily trimmed for actuation by manual, remote solenoid valve & with wet or dry pilot
- Internal and external surfaces epoxy coated for extra protection



DELUGE VALVE MODEL H5

- Size: 50, 80, 100, 150 & 200 mm (2", 3", 4", 6" & 8")
- Nickel Aluminium Bronze BS1400 Gr AB2 construction with suitable trim
- Maximum service pressure 17.5 kg/cm.sq (250 PSI)
- Horizontal or Vertical mounting
- Flanged connection dimensions to ANSI B 16.5
- No latch, no piston, no hinges
- Simple yet rugged
- Diaphragm operated with rubber to metal drip-tight positive sealing
- Auto-reset type
- Easily trimmed for actuation by manual, remote solenoid valve & with wet or dry pilot



DELUGE SKID MODEL D-PACK

- D-PACK is a pre-assembled deluge valve skid package enclosed within a free-standing cabinet designed to occupy minimum floor space and also provide an aesthetically pleasing appearance
- Suitable for all HD deluge valve models
- Cabinet available in 14 gauge steel, SS316, SS316L material
- RED finish
- The front door of the enclosure is fully hinged to maximize access to the enclosure
- All side panels are easily removable for maintenance
- Comes with downstream, upstream and by-pass butterfly valves
- All gauges externally visible through polycarbonate window
- Pressure switches, solenoid valve pre-wired and terminated into a junction box
- Completely pre-assembled and tested in factory
- Easy and fast installation
- UL Listed modular package

DELUGE SKID MODEL DSK

- Deluge Skid DSK is professionally pre-assembled deluge valve skid package
- Suitable for all HD deluge valve models
- Comes with downstream, upstream and by-pass butterfly valves
- Pressure switches, solenoid valve mounted, pre-wired and terminated into a junction box
- Can be custom designed and manufactured
- Cost effective
- Easy and fast installation
- UL Listed modular package



Alarm Valves



ALARM VALVE MODEL H

- Size: 80, 100, 150 & 200 mm (3", 4", 6" & 8")
- Ductile Iron ASTM A536 construction
- Maximum service pressure 17.5 kg/cm.sq (250 PSI)
- Vertical mounting
- End Connection: Flanged x Flanged, Grooved x Grooved, Flanged x Grooved
- Variable Pressure Trim with Retard Chamber and Water Motor Gong
- Epoxy painted internally & externally
- For use in wet pipe (automatic sprinkler) fire protection system
- Automatically actuates electrically and/or hydraulically operated alarms during steady flow of water in sprinkler systems
- Approvals: UL Listed & FM Approved

WATER MOTOR GONG BELL MODEL GA

- Hydraulically operated mechanical bell used along with fire protection system valves
- Corrosion resistant Aluminium alloy material, epoxy coated all over
- Wall mounted (Type B) or direct online mounting type (Type A)
- Approvals: UL Listed and FM Approved



ALARM VALVE MODEL H

- Retard Chamber is used with Alarm Valve Trim when variable pressure is anticipated in the system. It is a holding tank to prevent sounding of Sprinkler Alarm during water pressure surge
- Stainless Steel material of construction
- Connection: 3/4" BSPT (F)



MONITOR VAJRA 33I

- Cast Bronze Construction
- 360° continuous horizontal rotation and +90° & -45° vertical elevation or optional +85° & 0°/-15°/-30° vertical elevation
- Liquid filled Pressure Gauge
- Double Row of SS ball bearing & grease fittings
- Max operating pressure 12kg/cm.sq (175 PSI)
- Flow up to 1000 gpm (3800 lpm)
- Vertical and horizontal movement by handle and manual lock
- UL Listed



MONITOR VAJRA 433

- Cast Bronze Construction
- Fully enclosed gear
- Liquid filled Pressure Gauge
- Double row of Stainless Steel ball bearing with grease fittings
- Maximum operating pressure 12 kg/cm.sq (175 psiPSI)
- 115 mm waterway with 100 or 150 mm (4" or 6") flanged inlet and 4" BSP male threaded outlet
- 360° continuous horizontal rotation, +90°, - 45° vertical elevation
- Red finish
- FM Approved



WATER POWERED OSCILLATING MONITOR VAJRA 33I-S

- Cast Bronze Construction
- 0 to 120° Oscillating Angle, adjustable in 6 set points
- Water driven wheel drives the oscillating mechanism
- No external wiring or hydraulic control required
- Double row of SS ball bearing & grease fittings
- Max operating pressure 12 kg/cm.sq (175 PSI)
- Flow up to 1000 gpm (3800 lpm)
- UL Listed



MONITOR VARUN 443



- Size: 100 or 150 mm (4" or 6") flanged inlet with 4" BSP male threaded outlet
- Low profile design
- Stainless Steel waterway
- Fully enclosed worm gear for horizontal and vertical movement
- 360° continuous horizontal rotation and +90°, -65° vertical elevation
- Maximum operating pressure 12 kg/cm.sq (175 PSI)
- Liquid filled Pressure Gauge
- Variable flow with nozzle model H4V (500 / 750 / 1000 gpm)
- Fixed flow with nozzle model H4 (500 / 750 / 1000 gpm)
- Approvals: UL Listed

MONITOR VARUN 6B



- Size: 150 mm (6") flanged inlet and outlet
- Low profile design
- Hot dip galvanized Carbon Steel waterway
- Bronze swivel joint with double row of Stainless Steel ball bearing
- Fully enclosed worm gear
- Maximum service pressure 12 kg/cm.sq (175 PSI)
- 360° continuous horizontal rotation and +90°, -65° vertical elevation
- Single lifting hook
- Flow up to 12500 lpm (3300 gpm)
- FM Approved

MONITOR M 34I



- Size: 80 mm (3") waterway with flanged inlet of 80, 100 or 150 mm (3", 4" or 6") & outlet threaded to 3" BSP male
- Stainless Steel construction
- Easy deployment by one person
- Bronze swivel joint with double row of Stainless Steel ball bearing with grease fittings
- Maximum operating pressure 12 Bar (175 PSI)
- FM Approved

- Size: 63 mm (2.5") with 1750 lpm at 7 kg/cm.sq
- Size: 80 mm (3") with 2580 lpm at 7 kg/cm.sq
- Size: 100 mm (4") with 3500 lpm at 7 kg/cm.sq
- Hot dip galvanized Carbon Steel waterway
- Maximum service pressure 12 kg/cm.sq (175 PSI)
- Monitor with fixed flow solid bore nozzle
- ISI Marked
- Red finish

- Size: 80 mm (3") waterway with flanged inlet of 80, 100 or 150 mm (3", 4" or 6") & outlet threaded to 3" BSP male
- Hot-dip galvanized Carbon Steel waterway
- Easy deployment by one person
- Bronze swivel joint with double row of Stainless Steel ball bearing with grease fittings
- Maximum operating pressure 12 kg/cm.sq (175 PSI)
- FM Approved

- Size: 100 mm (4") with 100 or 150 mm (4" or 6") flanged inlet with 4" BSP male outlet
- Hot dip galvanized Carbon Steel 4" waterway and Bronze swivel joint
- Double row of Stainless Steel ball bearing with grease fittings
- Fully enclosed worm gear for horizontal and vertical movement
- Maximum operating pressure 12 kg/cm.sq (175 PSI)
- Flow up to 4750 lpm (1250 gpm) friction loss less than 10 PSI
- FM Approved

MONITOR M (ISI MARK)



MONITOR M 3II



MONITOR MG 4B



Monitor Nozzles

MASTER STREAM MONITOR NOZZLES

- Fixed flow gallonage heavy duty nozzles for use with monitors
- Excellent water stream used as water nozzle or non-aspirating foam nozzle
- Easy pattern change under flow condition, from straight stream to wide fog
- Field replaceable spinning teeth ring
- Hard anodized Aluminium, Bronze or Stainless Steel material



MODEL VARSHA - 30

- Factory set for fixed flow between 1500 & 2850 lpm (400 & 750 gpm) at 100 PSI (7.0 kg/sq.cm)
- 2.5" BSP swivel female inlet base

MODEL VARSHA - 40

- Factory set for fixed flow between 1500 & 3030 lpm (400 & 800 gpm) at 100 PSI (7.0 kg/sq.cm)
- 3" BSP Swivel female inlet base
- FM approved

MODEL VARSHA - 40U

- Factory set for fixed flow of 500, 750, 1000 gpm 100 PSI (7.0 kg/sq.cm)
- 3" BSP Swivel female inlet base, 3" NH optional
- UL Listed with monitors VAJRA331 and VAJRA331-S

MODEL VARSHA - 50

- Factory set for fixed flow between 3030 & 7575 lpm (800 & 2000 gpm) at 100 PSI (7.0 kg/sq.cm)
- 4" BSP swivel female inlet base
- FM approved

MODEL VARSHA - 60

- Factory set for fixed flow between 5680 & 12500 lpm (1500 & 3300 gpm) at 100 PSI (7.0 kg/sq.cm)
- 150 mm (6") flanged inlet
- FM approved

HYDRO-FOAM MONITOR NOZZLES

- Self-inducting and non-aspirating water-foam monitor nozzles
- 3% or 6% foam induction rate
- Combination of fog and straight stream without shut off
- Spinning teeth ring for full fog pattern
- Provided with clear PVC 3 mtrs. long suction hose with one end Stainless Steel dip tube
- Hard anodized Aluminium, Bronze or Stainless Steel material



MODEL VARSHA - HF40U

- Factory set for fixed flow of 500 or 750 gpm 100 PSI (7.0 kg/sq.cm)
- 3" BSP Swivel female inlet base, 3" NH optional
- UL Listed with monitors VAJRA331 and AJRA331-S

MODEL VARSHA - H4 & H4V

- Fixed or Variable flow of 500, 750, 1000 gpm at 100 PSI (7.0 kg/sq.cm)
- Stainless Steel Construction
- 4" BSP Swivel female inlet base
- UL Listed with monitor VARUN443

MODEL VARSHA - HF50

- Factory set for single fixed flow between 3030 & 4750 lpm (800 & 1250 gpm) at 100 PSI (7.0 kg/sq.cm)
- 4.0" BSP swivel female inlet

MODEL VARSHA - HF60

- Factory set for single fixed flow between 4750 & 8500 lpm (1250 & 2245 gpm) at 100 PSI (7.0 kg/sq.cm)
- 150 mm (6") flanged inlet

BUTTERFLY VALVES

- Wafer, Lugged and Grooved Type Butterfly Valves with Tamper Switch
- Size: 2" to 12"
- Max. Working Pressure: 300 PSI
- Body & Gear Box: Ductile Iron Construction (ASTM A536, 65-45-12)
- Disc: Ductile Iron with EPDM
- Drive Shaft: Stainless Steel
- Fusion Bonded Epoxy Coated
- UL Listed and FM Approved



GATE VALVES

- OS&Y and NRS resilient Wedge Gate valves
- Size: 2" to 12"
- Max. Working Pressure: 300 PSI
- Body: Ductile Iron Construction (ASTM A536, 65-45-12)
- Disc: Ductile Iron with EPDM
- Stem: Stainless Steel
- Flanged end connections are available either in ANSI/AWWA or BS PN 16
- Fusion Bonded Epoxy Coated
- UL Listed and FM Approved



FLOW & PRESSURE SWITCHES

- Flow Switch
 - Size: 2" to 8"
 - Vane type water flow switch for use in wet sprinkler systems
 - Approvals: UL Listed & FM Approved
- High/Low Pressure Switch
 - Designed to detect pressure increase or decrease in fire protection systems
 - Explosion-proof model available
 - Approvals: UL Listed & FM Approved



System Equipment & Valves

SWING CHECK VALVES

- Grooved Type • Horizontal or Vertical Installation
- Size: 2" to 12" • Max. Working Pressure: 300 PSI
- Ductile Iron Construction (ASTM A536, 65-45-12)
- Fusion Bonded Epoxy Coated
- UL Listed and FM Approved



Y-TYPE STRAINERS

- Flanged and Grooved Type
- Size: 2" to 12"
- Max. Working Pressure: 300 PSI
- Ductile Iron Construction (ASTM A536, 65-45-12)
- Fusion Bonded Epoxy Coated
- UL Listed



PRESSURE GAUGES

- Model HDP1 and HDP2
- Dial Size: 90 mm (HDP1) & 100 mm (HDP2)
- Range: 0 to 300 PSI
- Polished Stainless Steel, weather proof case
- Bourdon Tube: Phosphorous Bronze (HDP1) & Monel (HDP2)
- Model HDP2 suitable for use with Sea Water
- UL Listed & FM Approved



MULTI-JET CONTROL (MJC) VALVE

- Size: Inlet of 40 mm with double outlet of either 32 or 25 mm
- Bronze construction
- Max. service pressure: 12 kg/cm.sq (175 PSI)
- Temperature rating 57°C, 68°C, 79°C, 93°C
- End connection BSPT (NPT optional)





HD PREPACK PRE-ACTION SYSTEM

HD PrePack Pre-action system is perfect system to be used in applications where you need protection against inadvertent flooding due to sprinkler systems. Professionally pre-assembled cabinet with or without inbuilt oil-less compressor with control panel.

Trim Configurations:

- Single Interlock Pre-Action System with Supervised Wet Pilot Actuation
- Single Interlock Pre-Action System with Supervised Dry Pilot Actuation
- Single Interlock Pre-Action System with Supervised Electric Release
- Double Interlock Pre-Action System with Electric-Electric Actuation
- Double Interlock Pre-Action System with Electric-Pneumatic Actuation

Foam Bladder Tank Proportioning System

- Capacity: 140 to 15,000 litres (53 to 4000 gal)
- Vertical or Horizontal unit
- Maximum working pressure 12 kg/cm.sq (175 PSI)
- Carbon Steel or Stainless Steel Construction Tank made to latest revision of ASME Code Section VIII Div I
- Compatible with all foam concentrates
- Nylon reinforced Buna-n-rubber bladder
- Proportioner pre-piped on to the tank
- Bladder Tank filling kit (optional)
- ASME U Stamp / CE mark (optional)



RATIO CONTROLLER

- Size: 65, 80, 100, 150 & 200 mm (2.5", 3", 4", 6" & 8")
- Corrosion resistant Bronze or Stainless Steel construction
- Water type design as well as Flanged type available
- Flow from 100 to 17860 lpm
- Used with Bladder Tank or Inline Balance Pressure Proportioner for variable flow
- Service Pressure: Maximum 3 to 14 kg/cm.sq (44 to 200 psi)
- UL/FM approved with Foam Bladder Tank System

FOAM CONCENTRATE CONTROL VALVES MODELS CV & H

- Size: 25, 40 and 50 mm (1", 1½" & 2")
- Stainless Steel material
- Hydraulically controlled
- Working pressure 2.1-12 kg/cm.sq (50 to 175 PSI)
- Suitable for Bladder tank and Inline balance pressure proportioning system
- Model CV is FM Approved with Foam Bladder Tank System



Foam Concentrates & Equipments

AFFF-C6

- HD AFFF is available as 1%, 3% and 6% concentrate

AR-AFFF-C6

- HD AR-AFFF is available in type 1 X 3%, 3 x 3% and 3 X 6% concentrate
- Model HDF-AR-AFFF is low viscosity foam concentrate

FP-C6

- HD FP is available as 3% and 6% foam concentrate

FFFP

- HD FFFP is available as 3% foam concentrate

AFFF 3FZ-C6

- AFFF Foam concentrate suitable for storage and use at low temperature up to -18°C (0°F) Foam Concentrates & Equipments
- Compatible with complete range of HD foam equipment
- Can be used with fresh water as well as seawater
- All Foam Concentrates available in freeze protected range
- Approvals: UL Listed & FM Approved



FOAM-WATER SPRINKLERS MODEL FI & H

- Size: 1/2" BSPT / NPT
- Air aspirating type
- Stainless Steel (F1) or Bronze (H) construction
- Working pressure 2 to 4 kg/cm.sq (30 to 60 PSI)
- K- Factor 42
- Pendant mounting
- UL Listed & FM Approved



FOAM CONCENTRATE STORAGE TANK

- Capacity: 200 to 15000 liters (53 to 4000 gal.)
- Horizontal unit
- Stainless Steel 304/316 material
- Comes with ladder, sight glass and air vent
- Expansion dome of 2% tank capacity
- Flat end or dome end
- Natural, Custom or Red RAL 3000 epoxy painted
- Tank can be custom made with inline inductor mounted on the tank



Extinguishers

POWDER BASED (ABC) TYPE FIRE EXTINGUISHERS

- Size: 01, 02, 04, 06 & 09 KG
- Squeeze Grip Operation
- Discharge Time: 08 to 25s
- Discharge Range: 02 to 07M
- Operating Pressure: 15 BAR
- Test Pressure: 35 BAR
- Temperature Range: -30° C to +60° C
- Expellant: Nitrogen

POWDER BASED (BC) TYPE FIRE EXTINGUISHERS

- Size: 04, 06 & 09 KG
- Squeeze Grip Operation
- Discharge Time: 15 to 25s
- Discharge Range: 04M, 04M & 06M
- Operating Pressure: 15 BAR
- Test Pressure: 35 BAR
- Temperature Range: -30° C to +60° C
- Expellant: Nitrogen

CO2 BASED FIRE EXTINGUISHERS

- Size: 02, 4.5, 6.5, 09 & 22.5 KG
- Discharge Time: 08 to 60s
- Discharge Range: 02 to 03M
- Operating Pressure: 60 BAR
- Test Pressure: 250 BAR
- Temperature Range: -30° C to +60° C

WATER & FOAM BASED FIRE EXTINGUISHERS

- Size: 09 & 50L
- Discharge Time: 25 to 180s for Foam & 60 to 180s for Water
- Discharge Range: 6 to 10M for Foam & Water
- Operating Pressure: 15 BAR
- Test Pressure: 35 BAR
- Temperature Range: +5° C to +60° C for Foam & Water



Extinguishers

CLEAN AGENT FIRE EXTINGUISHERS

- Size: 01, 02, 04, 06 & 09 KG
- Squeeze Grip Operation
- Discharge Time: 08 to 25s
- Discharge Range: 02 to 07M
- Operating Pressure: 15 BAR
- Test Pressure: 35 BAR
- Temperature Range: -30° C to +60° C
- Expellant: Nitrogen



MODULAR TYPE FIRE EXTINGUISHER

- Size: 04, 06 & 09 KG
- Squeeze Grip Operation
- Discharge Time: 15 to 25s
- Discharge Range: 04M, 04M & 06M
- Operating Pressure: 15 BAR
- Test Pressure: 35 BAR
- Temperature Range: -30° C to +60° C
- Expellant: Nitrogen



Hydrant Valves

SINGLE HEADED HYDRANT VALVE

- Size: 1 ½ to 3"
- Connection: 75mm Inlet & 63mm Outlet
- Material: Gun Metal, Brass, SS & C.I
- Type: Oblique, Right Angle, Straight Way, BIB Nose & Turn Down
- Operating Pressure: Up to 10 BAR
- Test Pressure: 23 BAR



DOUBLE HEADED HYDRANT VALVE

- Size: 1 ½ to 3"
- Connection: 75mm Inlet & 63mm Outlet
- Material: Gun Metal, Brass, SS & C.I
- Type: Oblique, Right Angle, Straight Way, BIB Nose & Turn Down
- Operating Pressure: Up to 10 BAR
- Test Pressure: 23 BAR



Hydrant Accessories

FIRE HOSES

- Size: 15 & 30m
- CP & RRL Hose Type
- Rubber Line Single Jacket Hose
- Heat & Abrasion Resistant
- ISI Marked



HOSE COUPLING & BRANCH PIPE

- Body: GM, SS & Aluminium Alloy
- As per IS: 903
- Working Pressure: 10 BAR
- Test Pressure: 23 BAR



Hydrant Accessories

HOSE BOX

- Size: 400X400X250 to 900X600X500
- Material: MS, SS & FRP
- Thickness: 16 Gauge & 18 Gauge
- Type: Single & Double Door



HOSE REEL

- Material: MS Sheet 18 Gauge
- Hose: Rubber/Thermoplast Hose
- Shut off Nozzle available in GM, SS & PVC
- Fixed & Swinging Type to accommodate 20, 30, 36 or 40m of Hose



TWO/THREE/FOUR WAY INLET BREECHING

- Body: GM, Aluminium Alloy & Cast Iron
- Inlet: Two Instantaneous with NRV
- Outlet: 6" Flanged
- Working Pressure: 10 BAR
- Test Pressure: 23 BAR



TRIPLE PURPOSE NOZZLE

- Type: Jet-Spray-Shut Off Nozzle
- Material: GM, SS & Aluminium Alloy
- Operating Pressure: 10 BAR
- Inlet Size: 1 1/2" to 2 1/2"
- ISI Marked



MULTIPURPOSE NOZZLE

- Light Alloy Hard anodized construction
- Inlet Size: 1" to 2 1/4"
- Flow: 50 LMP to 1140 LMP
- Flow Pattern: Jet, Spray & Wide Curtain
- Range: 15 to 50m
- Control Lever for On-Off



BUTTERFLY VALVE

- Size: 1 ½" to 18" (40 to 450mm)
- Body: Cast Iron, Ductile Iron, Cast Carbon Steel, SS & Bronze
- Disc: Ductile Iron & Stainless Steel
- PN10 to PN16
- ISI Marked
- Temperature Range: 34° C to 150° C
- Liner: Nitrile, Neoprene, Silicon & Buna N
- Upper & Lower Stem: Stainless Steel AISI 410, AISI 304



SLUICE/GATE VALVE

- Generally in Non-Rising Stem Design
- PN10 to PN16
- ISI Marked
- Flanged Ends
- Handwheel, Cap or Gear Operated
- ISI Marked
- Application: Oil, Air, Water, Fire Fighting & Marine Applications



CHECK VALVE

- Type: Wafer, Dual Plate & Non-Return (Reflux) Valve
- Size: 1.1/2 to 18" (40 to 450mm)
- Body: Cast Iron, Ductile Iron & Cast Steel
- Disc: Carbon Steel & Stainless Steel
- Seat: Nitrile, EPDM & Buna N
- Wafer Type Sleek Design
- Permits flow in only one direction
- Available in integrally molded rubber seating
- Flanged Ends for NRV
- Application: Water & Oil
- Epoxy Coating
- ISI Marked



FOOT VALVE

- Size: 1 to 12" (25 to 300mm)
- Housing: Grey Cast Iron & Ductile Iron
- Disc: Grey Cast Iron
- Seat: Grey Cast Iron
- Permits Flow in One direction
- Available in Swing Type & Lift Type Design
- Swing Type Screwed 15 to 150mm
- Swing Type Flanged 50 to 300mm
- Application: Suitable for Water Line

Y-TYPE STRAINER SCREWED/FLANGED

- Size: 1 to 8" (25 to 200mm)
- Flanged Ends to BS-10 Table H
- Tested to: 20 KG/cm²
- Suitable For: Steam up to 10 KG/cm²
- Max. Working Temp: 220° C

BALL VALVE

- Size: ½ to 4"
- Body: Forged Brass or Bronze
- Ball: Forged Brass (Hard Chrome Plated) or SS
- Stem: Forged Brass or SS
- Screwed Female Ends
- Suitable For: Water & Oil
- Full Bore, Two Piece Design
- Quarter Turn, Lever Operated
- Max. Working Temperature: 220° C

PRESSURE REGULATING VALVE

- Combines the features of Hydrant Valve and Pressure Control Devices
- Application in High Rise Buildings or High-Pressure Lines in Oil & Gas
- Eliminates the risk of sudden increase or decrease in pressure in the line
- Controlled Outlet flow irrespective of Inlet Pressure
- Gunmetal Construction for Corrosion Resistance and Sea Water Application
- Outlet Pressure: 4.1 to 8.3 BAR
- Inlet Pressure: 4.8 to 20.7 BAR
- Outlet Connection: 2 ½" Instantaneous Female Coupling
- Inlet Connection: 1 ½" to 2 ½" Flanged Inlet



PRESSURE REDUCING VALVE

- Size: ½ to 4" (15 to 100mm)
- Body: Forged Brass or Bronze
- Disc: Nitrile Rubber
- Screwed Female Ends
- Suitable For: Water
- Diaphragm Less, Piston Type
- Provided with Premium Quality Nitrile Rubber
- Max. Upstream Pressure: 25 BAR
- Max. Working Temperature: 80° C

PRESSURE REDUCING VALVE (TYCO)

- The Valve is designed to control the pressure in water-filled pipes where it is necessary to reduce a higher inlet pressure to a lower delivery pressure under static and/or residual flowing conditions.
- Accurate Pressure Control
- Epoxy Coates internal and external
- One Piece, One moving part diaphragm
- One pilot valve sub-assembly provides for any outlet "set pressure", that is, 90 to 175 psi (6,2 to 12,1 bar)



SMOKE DETECTOR

- The detectors are photo-electronic detectors that use state-of-the-art optical sensing chambers.
- The detector that initiated the alarm condition will have its red LED and relays latched until reset by panel
- Operating Voltage Range: 9 to 28 VDC Volts Non-polarized
- Standby Current: 60uA @ 24 VDC
- Operating Humidity Range: 95% RH (40°C ± 2°C) Relative Humidity, Non-Condensing
- Operating Temperature Range: -10° C to 50° C
- Smoke Alarm Sensitivity: 0.15 - 0.3dB/m
- Height: 48mm Installed in Base
- Diameter: 99mm



HEAT DETECTOR

- The detectors are photo-electronic detectors that use state-of-the-art optical sensing chambers.
- The detector that initiated the alarm condition will have its red LED and relays latched until reset by panel
- Operating Voltage Range: 9 to 28 VDC Volts Non-polarized
- Standby Current: 60uA @ 24 VDC
- Operating Humidity Range: 95% RH (40°C ± 2°C) Relative Humidity, Non-Condensing
- Operating Temperature Range: -10° C to 50° C
- Smoke Alarm Sensitivity: 0.15 - 0.3dB/m
- Height: 48mm Installed in Base
- Diameter: 99mm



Fire Detection

ALARM PANEL

- As per Zones & Loops
- Type: Conventional & Addressable
- Micro Controller Based
- LCD Display
- Inbuilt battery facility
- Standby Duration: 24 Hours
- Operating Temperature: -5°C to +40° C
- Humidity: Non-Condensing 0 to 75% RH



HOOTER

- Type: MS & ABS
- Speaker: 4 Watt
- Current Consumption: 260mA
- Sound: 90-100 db at 25m
- Tone Nature: Dual Tone
- Operating Temperature: 10° C to 42° C



MANUAL CALL POINT

- Power I/P: 24 V DC
- Current Consumption: NA/ 30MA
- Housing: ABS & MS
- Weight: 150g Approx.
- Color: Red
- Glass protected by thin film
- Wall Mounted
- LED Blinking facility (optional)





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