



*For Industrial Engineering*

# CATALOG

## TECHNICAL

**YOUR SAFTY  
IS OUR PRIORITY**



*For Industrial Engineering*



## ***About Us***

“Tropic” is a modern company that produces industrial safety products such as (pumps and fire fighting products). We rely on the latest technology and skilled engineers with competitive prices to be suitable for all our customers. We always cooperate with our customers in a friendly environment. Our main slogan is “Your safety is our priority”

## ***Our Mission***

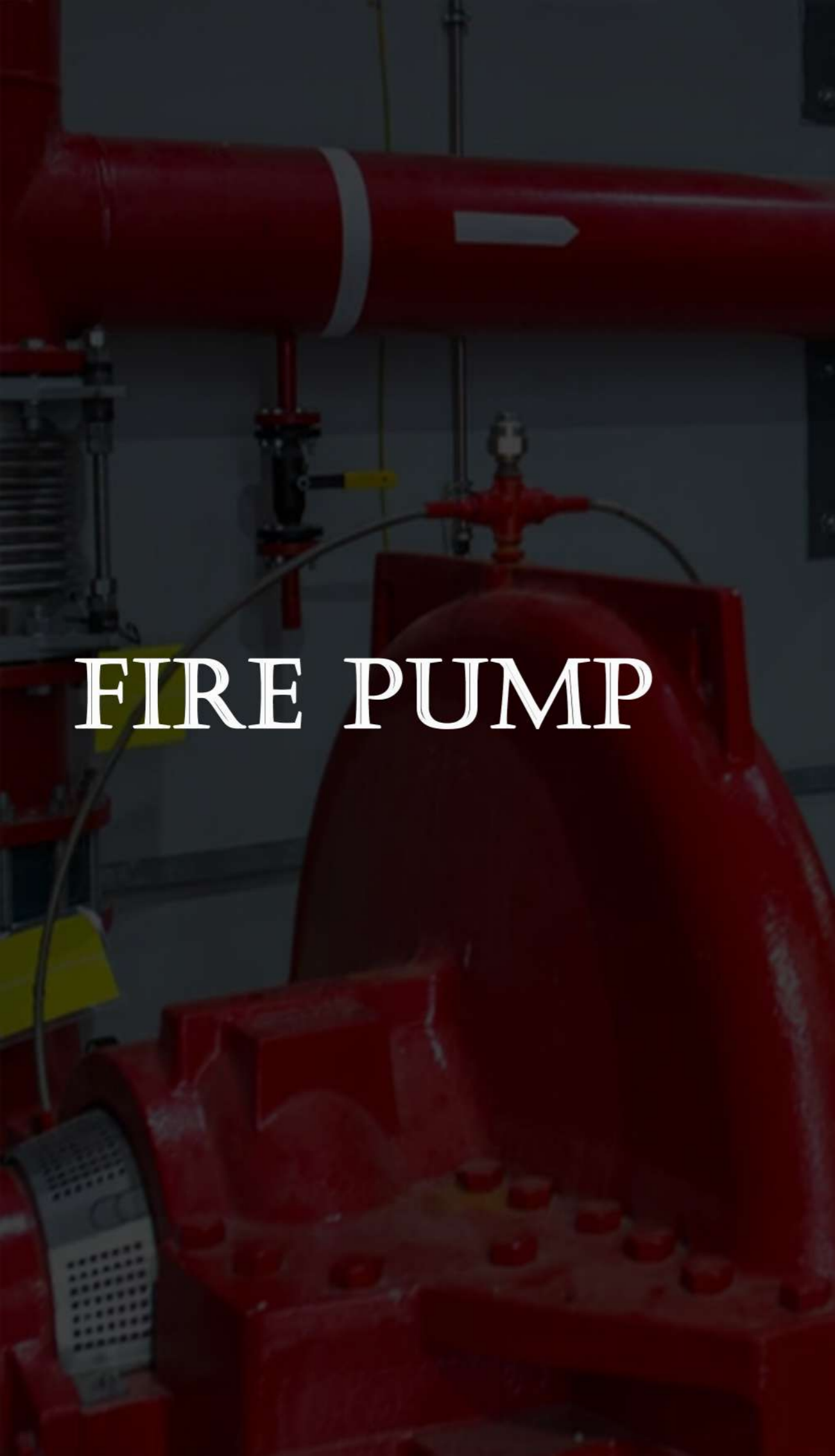
Enhancing safety for individuals and facilities through innovative technologies and advanced systems that minimize fire damage, prioritize effective response, and promote environmental sustainability in firefighting solutions.

## ***Our Vision***

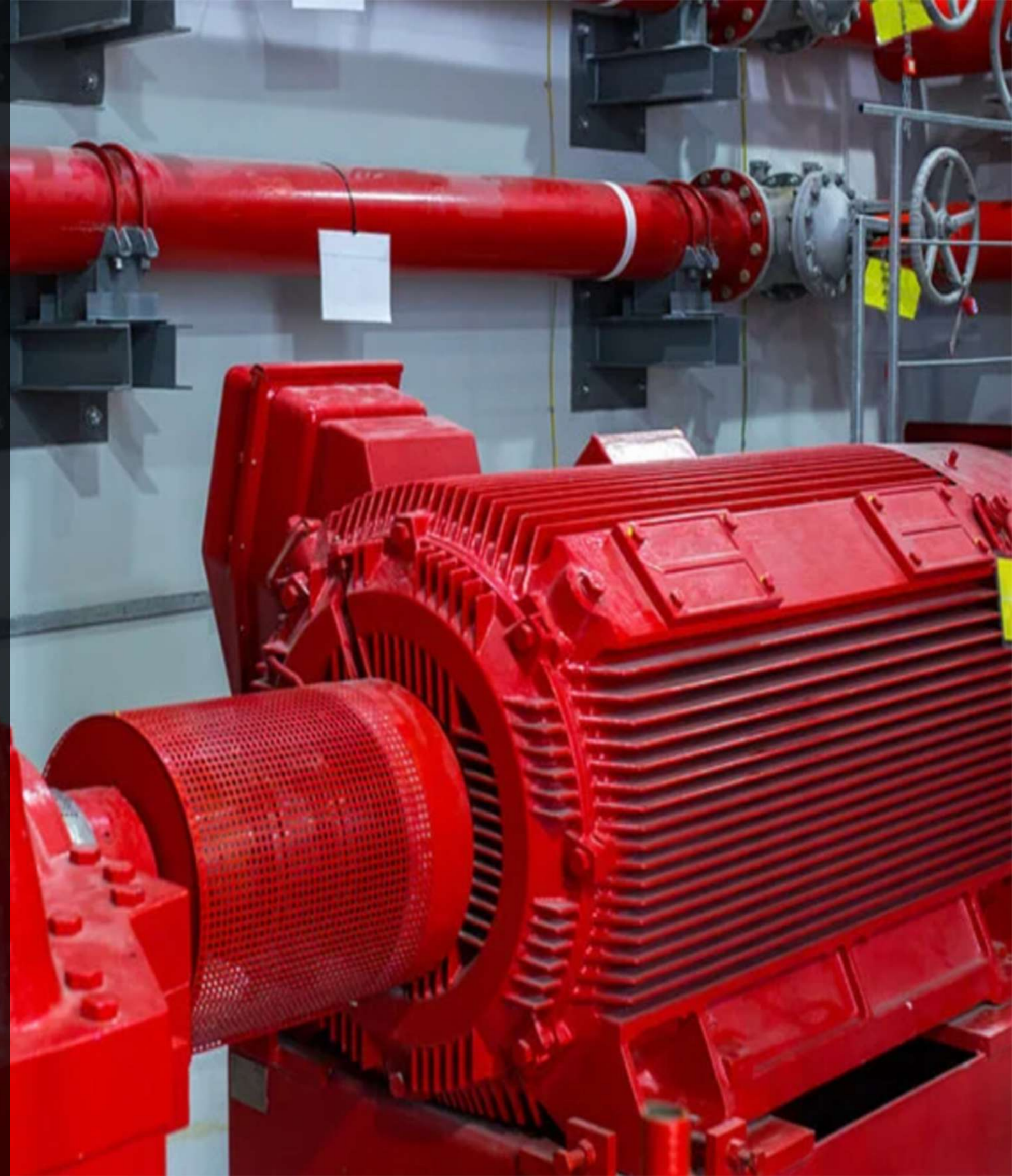
Providing exceptional firefighting solutions through state-of-the-art equipment, including advanced pumps, valves, and sprinklers, supported by a team of highly skilled engineers accredited by the European Union and certified to meet FM global safety and security standards.

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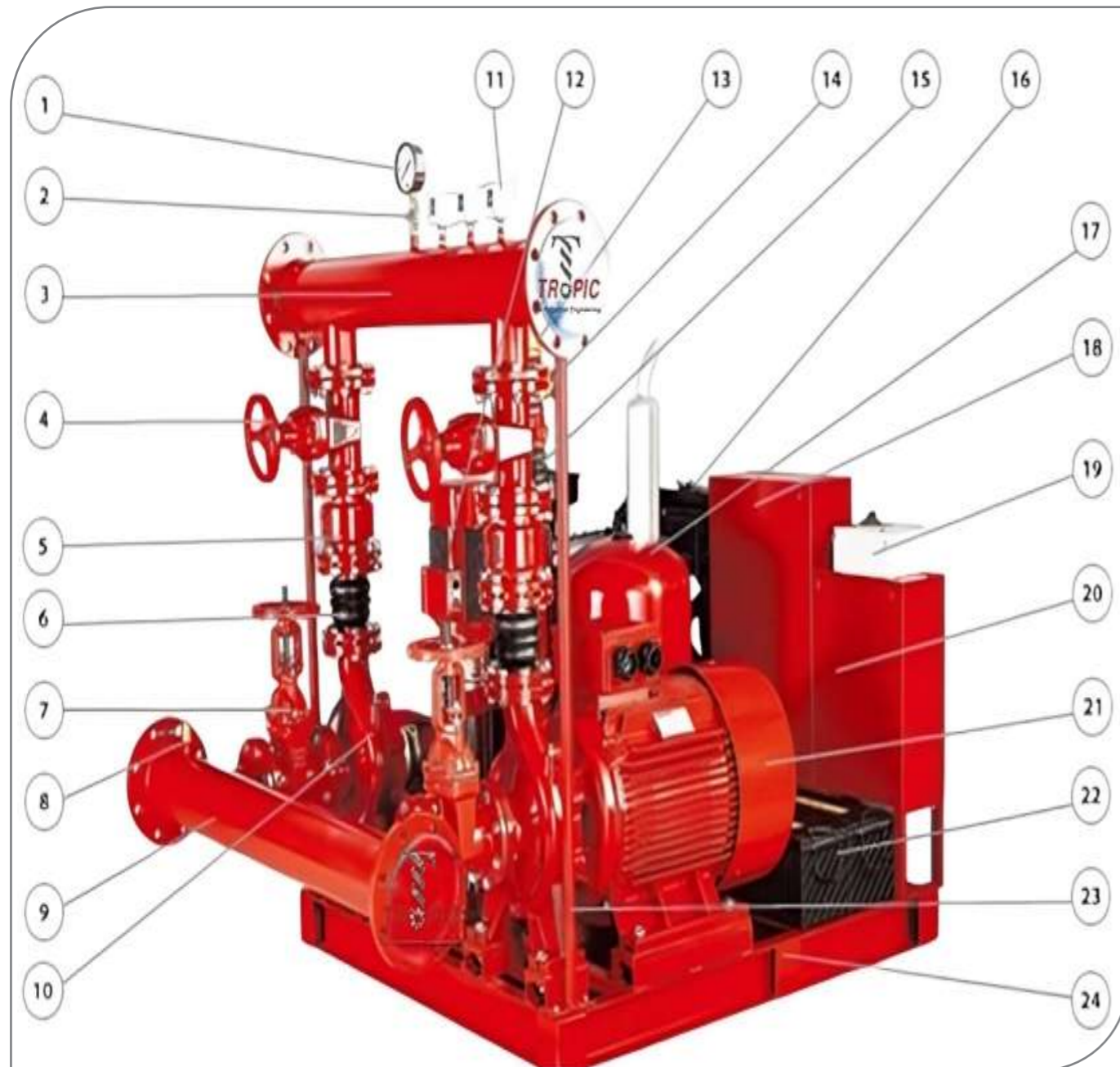


FIRE PUMP



# Fire Pump

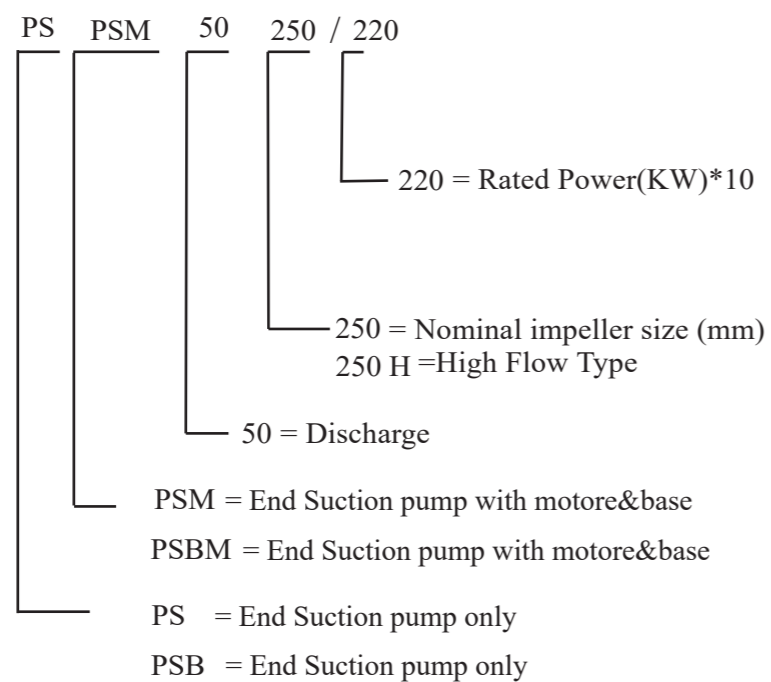
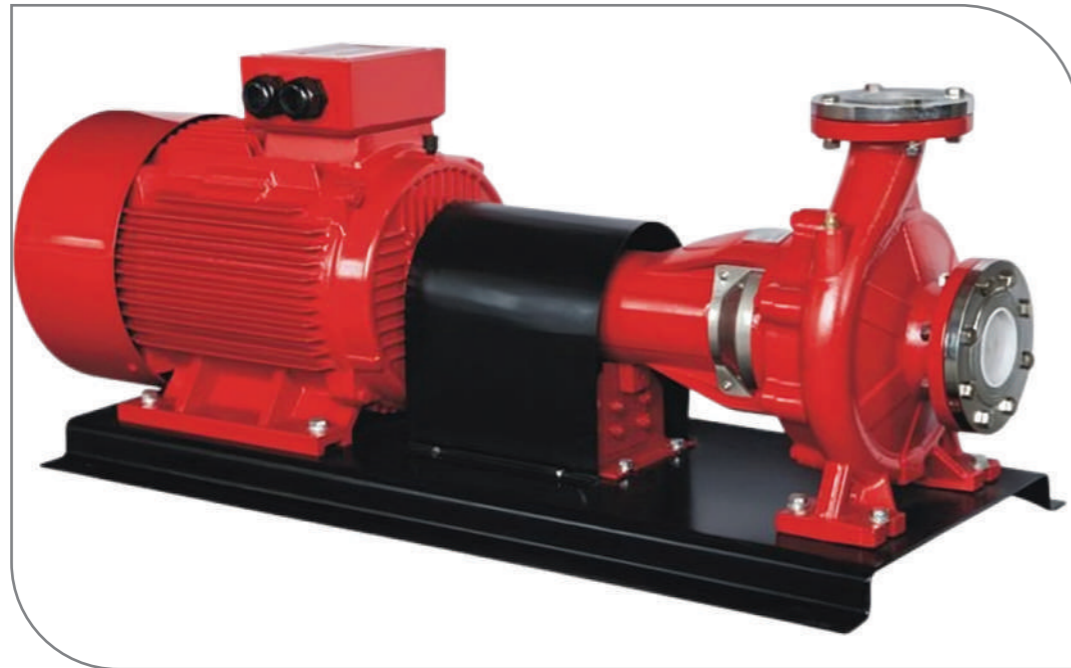
## TECHNICAL SHEET



NO.	Description	Material
1	Pressure Gauge	0-16bar
2	Relief Valve	Brass
3	Discharge Pipeline	Carbon Steel
4	Gate Valve	Ductile Iron
5	Check Valve	Ductile Iron
6	Flexible Joint	Rubber
7	OS&Y Valve	Ductile Iron
8	Relief Valve	Brass
9	Suction Pipeline	Carbon Steel
10	Diesel Pump	Standby Supplier
11	Pressure Switch	0-16bar
12	Jockey Pump	Mainyain Supplier
13	Jockey Check Valve	Brass
14	Jockey Gate Valve	Brass
15	Flexible Joint	Rubber
16	Diesel Engine	Internal Combustionr
17	Pressure Tank	Iron/EPDM membrane
18	Electric Controller	Dol/ Star-delta
19	Jockey Controller	Dol
20	Diesel Controller	Dol
21	Electric Pump	Main Supplier
22	Batteries	Main/Standby
23	Support Rod	Iron
24	Base	Iron

# Electric Pump

Electric Pump to Primarily Provide Flow and Pressure in The System



## Description

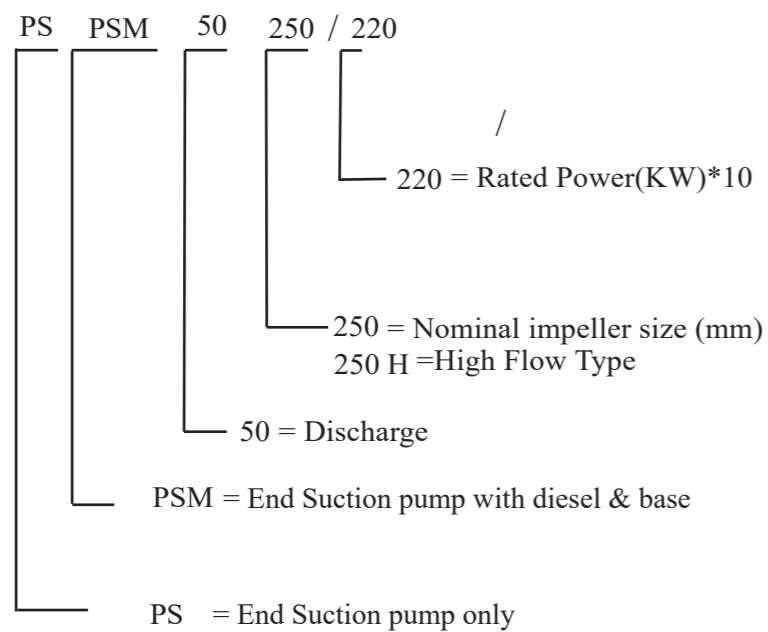
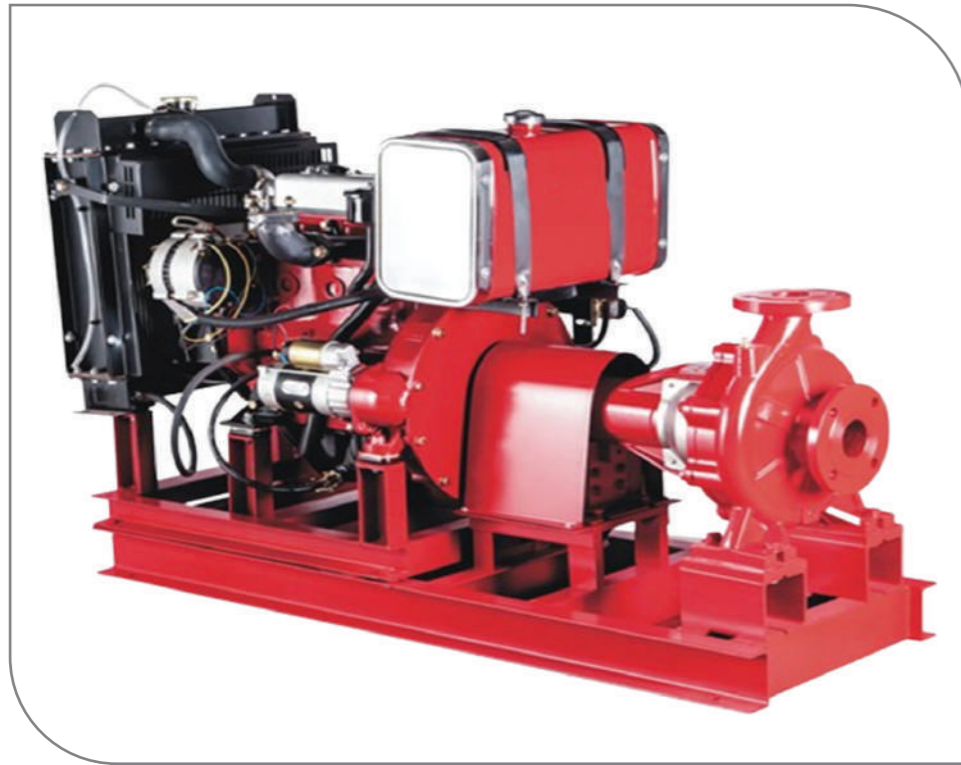
- According to NFPA20, centrifugal pump shall be of the overhung impeller design with close or separate coupled end suction type
- Pump capacities are based on the calculated system demand
- Fire pump shutoff head should not exceed 140% of the nominal value
- Recommended the maximum system demand flow correlate to a point on pump curve between 90% to 140% of the pump capacity

## TECHNICAL SHEET

Model	PSD	
Capacity	0-1000	m <sup>3</sup> /h
Head	0-164	m
DN	32-150	mm
Speed	3000	rpm
T max	120	c
Power	6.3-300	kw
Casing	Grey cast Iron	
Impeller	AISI 304/Brass	
Shaft	AISI 304	
Shaft Seal	Mechanical Seal	
Bearing	Grease Lubrication Rolling Bearing	

# Diesel Pump

Diesel Pump as Standby Provider Flow and Pressure in The System



## Description

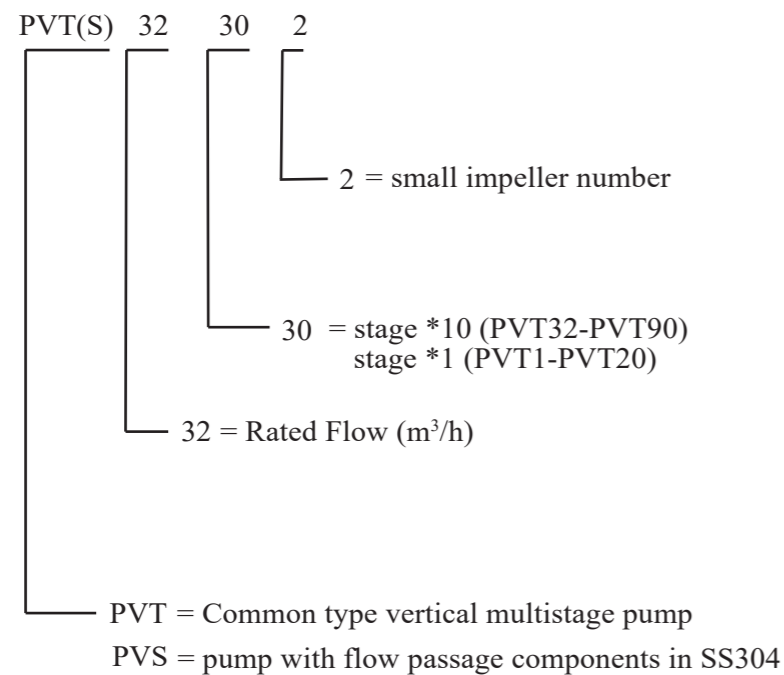
- Diesel engines have proven to be very reliable and effective
- Diesel engines are currently the only type of Internal combustion engine permitted by NFPA 20
- Each engine shall be provided with two storage battery units according to NFPA20
- Diesel engines for fire pump is of the compression ignition type
- Advanced direct injection and combustion system

## TECHNICAL SHEET

Model	PSD	
Capacity	0-1000	m <sup>3</sup> /h
Head	0-164	m
DN	32-150	mm
Speed	3000	rpm
T max	120	c
Power	6.3-300	kw
Casing	Grey cast Iron	
Impeller	AISI 304/Brass	
Shaft	AISI 304	
Shaft Seal	Mechanical Seal	
Bearing	Grease Lubrication Rolling Bearing	

# Jockey Pump

Jockey Pump To maintain the necessary Pressure In The System



## Description

- The jockey pump is designed to maintain the pressure on the fire protection system between preset limits when the system is not flowing water.
- Rated capacity not less than any normal leakage rate.
- Discharge pressure sufficient to maintain the desired fire protection system pressure.
- YE3 high efficient motor, with protection IP55 class F

## TECHNICAL SHEET

Model	PVT/S
Capacity	0-110
Head	0-305
DN	25-100
Speed	2900
T max	120
Power	0.37-45
Voltage	220/380/400/440
HZ	50
Class	Class F/IP 55
Duty	S1 Continuous
Casing	Grey cast Iron
Impeller	AISI 304/Brass
Shaft	AISI 304
Shaft Seal	Mechanical Seal
Bearing	Grease Lubrication Rolling Bearing

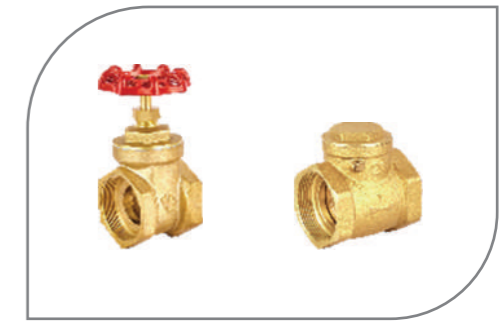
## Controller



## Other Accessories



Section and discharge pipe  
Suction and refoulement line



Brass Gate Valve    Brass Check Valve



Pressure Switch



Pressure Gauge

## Description

- Equipped with Smartgen display screen, integrates digitalization, intellectualization and network technologies for precise data measurement, alarm protection, remote control, measuring and communication
- DOL or Star Delta starter
- All controllers completely assembled, wired, and tested Self-acting to start, run, and protect the driver
- Automatic or manual operation options

## Other Accessories



Gate Valve



Check Valve



Pressure Tank



Fuel Tank



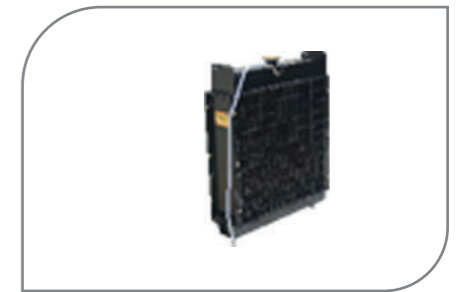
Flexible Joint



OS&Y Valve



Muffler



Radiator



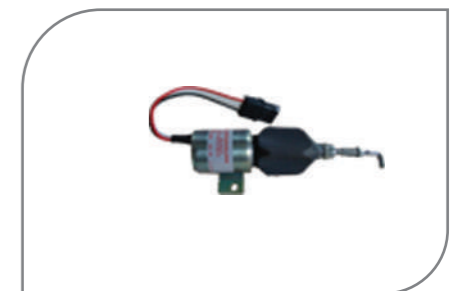
Coupling



Battery



Air Filter



Solenoid

# FIRE CABINETS



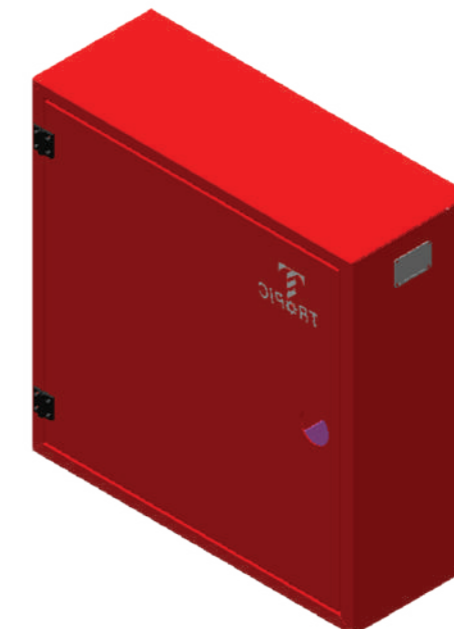
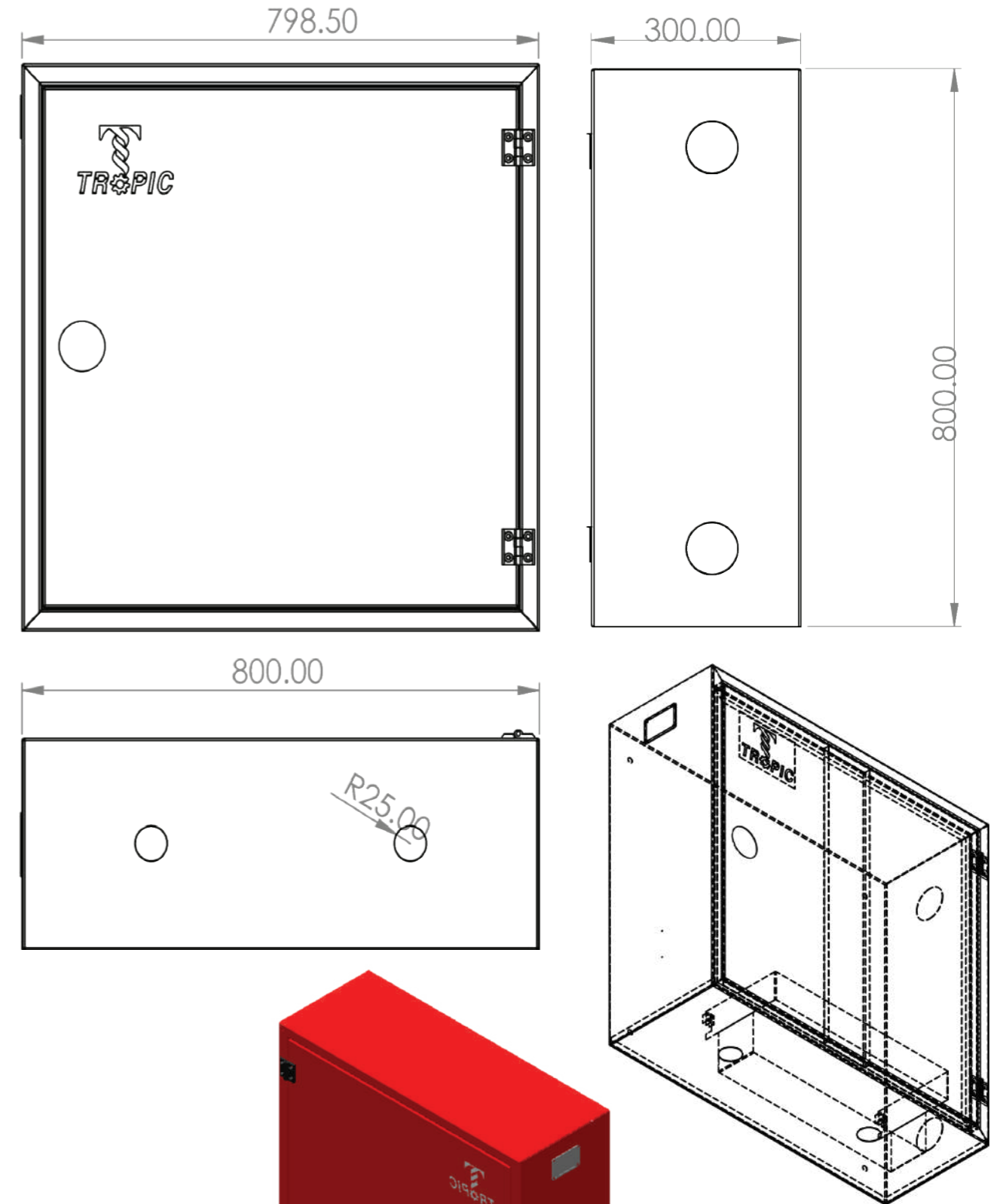
# Single Fire Cabinets/ Recessed type cabinets

## Description

- Cabinet material made of Electro Galvanized sheet or Stainless Steel Sheet
- Locking of cabinet is either key operated or round handle cam latch.
- Cabinets are available either in surface mounted or recessed mounted type.
- Cabinet containing Hose and Fire Extinguisher Stand
- Door can open up to 180 degrees
- There are little holes in the bottom of the box to drain the leaking water.

## Full Mild Steel Cabinets :

Dimension	800*800*300
Materials	Mild Steel
Thickness	1.5 mm
Insulation	Surface / Wall Mounted
Capacity	Manual Or Automatic Swing, Fixed Hose Reel 1" Or 1.5"
Finish	Red Powder coated



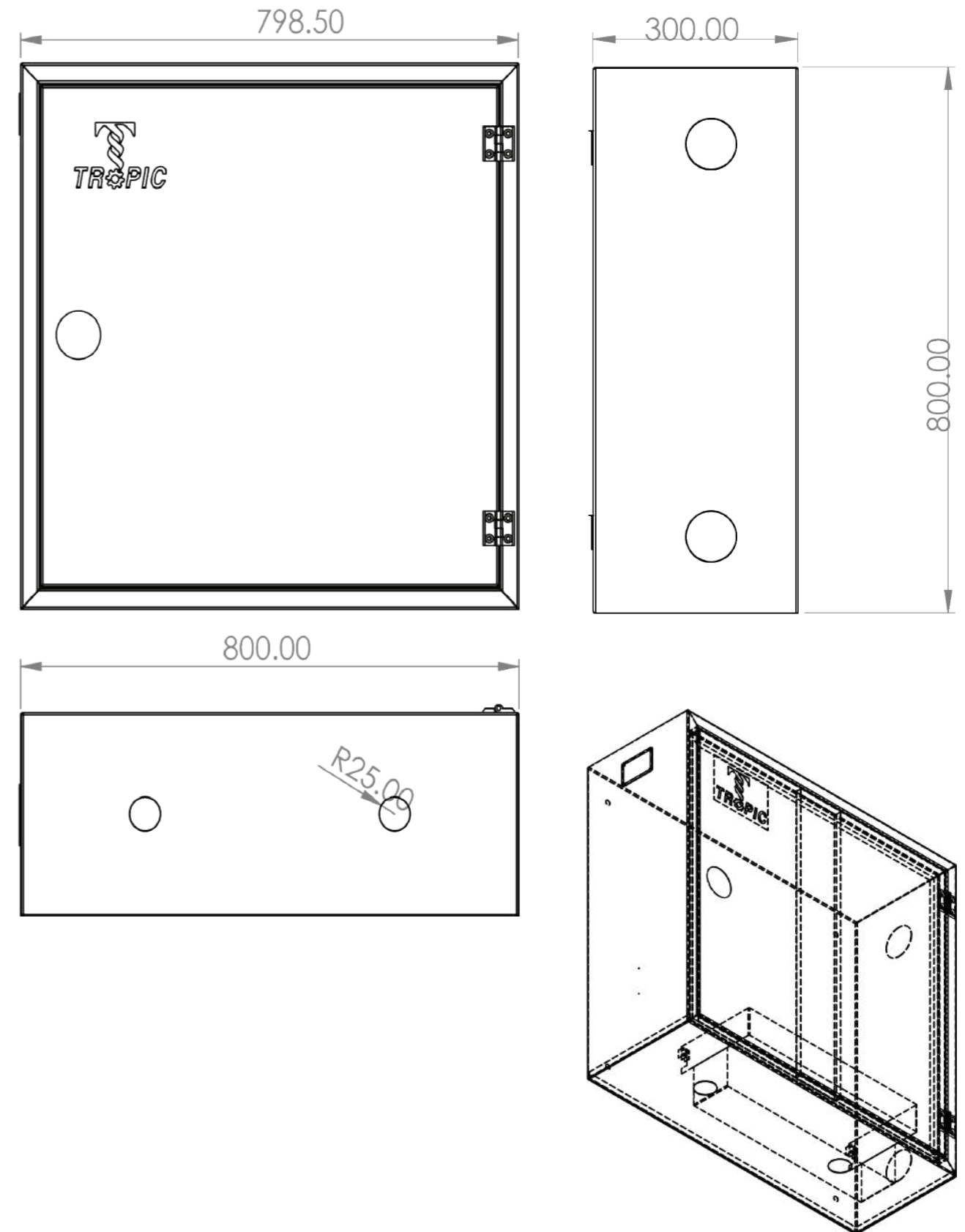
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- Cabinets are available either in surface mounted or recessed mounted type.
- Cabinet containing Hose and Fire Extinguisher Stand
- Door can open up to 180 degrees
- There are little holes in the bottom of the box to drain the leaking water.

### Full Stainless Steel Cabinets

Dimension	800*800*300
Materials	Stainless Steel
Thickness	1.5 mm
Insulation	Surface / Wall Mounted
Capacity	Manual Or Automatic Swing, Fixed Hose Reel 1" Or 1.5"
Finish	Red Powder coated



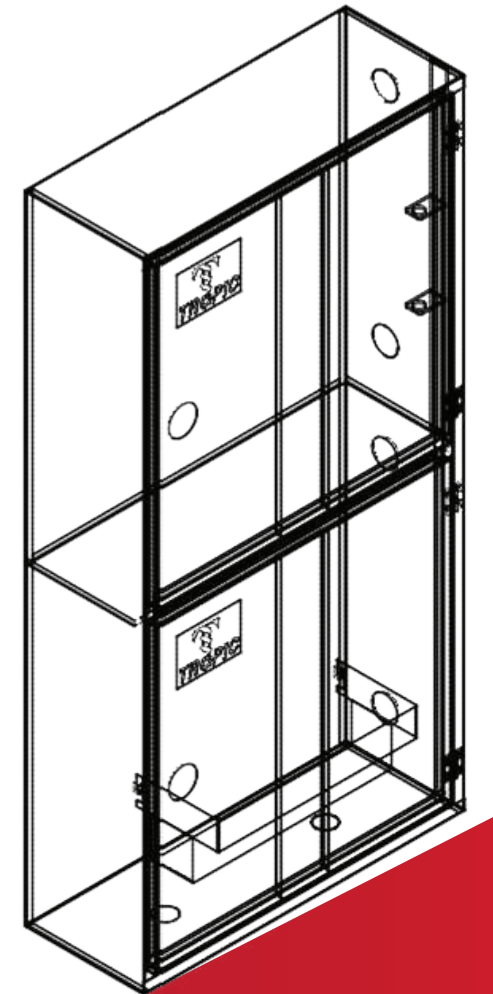
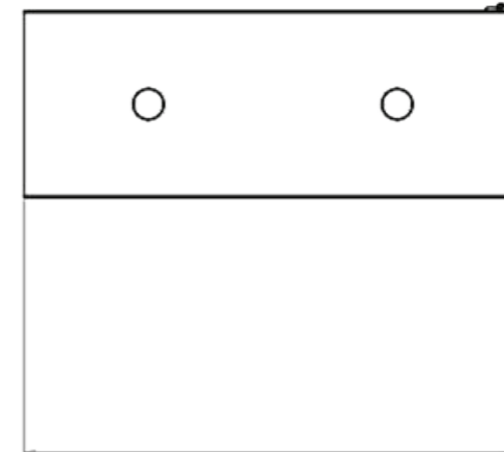
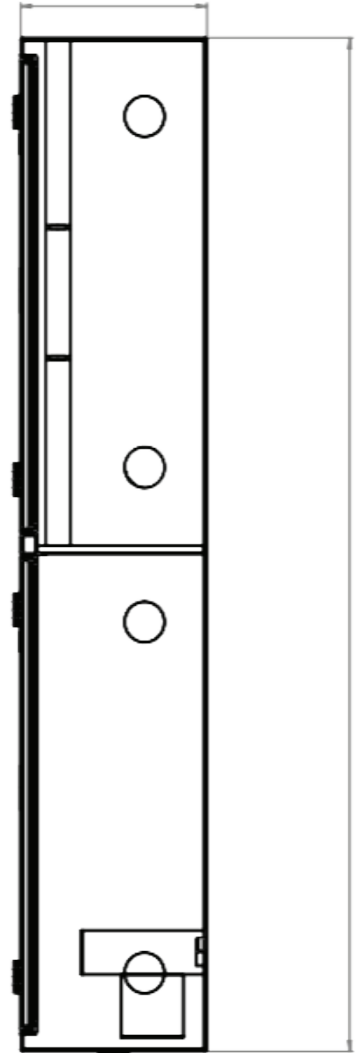
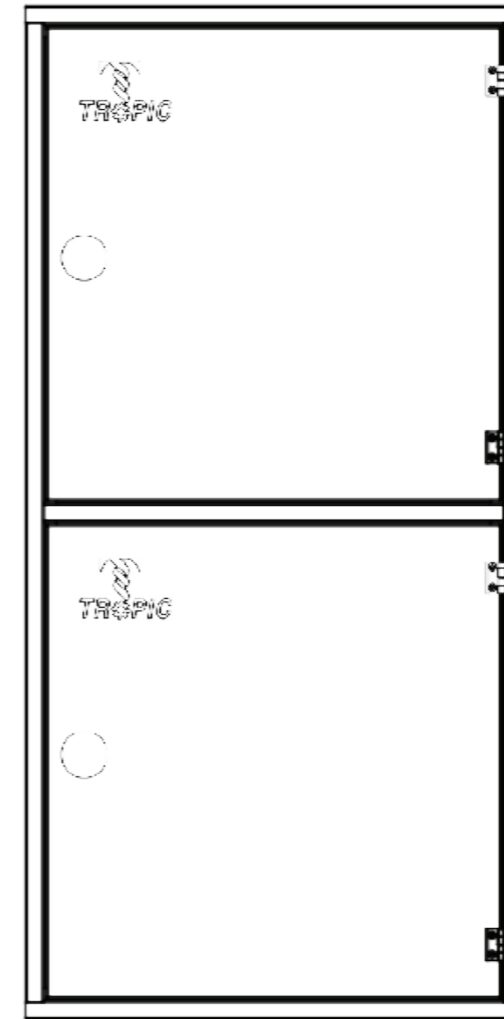
# Double Fire Cabinets/ Recessed type cabinets

## Description

- Cabinet material made of Electro Galvanized sheet or Stainless Steel Sheet
- Locking of cabinet is either key operated or round handle cam latch.
- Cabinets are available either in surface mounted or recessed mounted type.
- Cabinet containing Hose and Fire Extinguisher Stand
- Door can open up to 180 degrees
- There are little holes in the bottom of the box to drain the leaking water.

## Full Mild Steel Cabinets :

Dimension	1600*800*300
Materials	Mild Steel / G.I
Thickness	1.5 mm
Insulation	Surface / Wall Mounted
Capacity	Manual Or Automatic Swing, Fixed Hose Reel 1" Or 1.5"
Finish	Red Powder coated



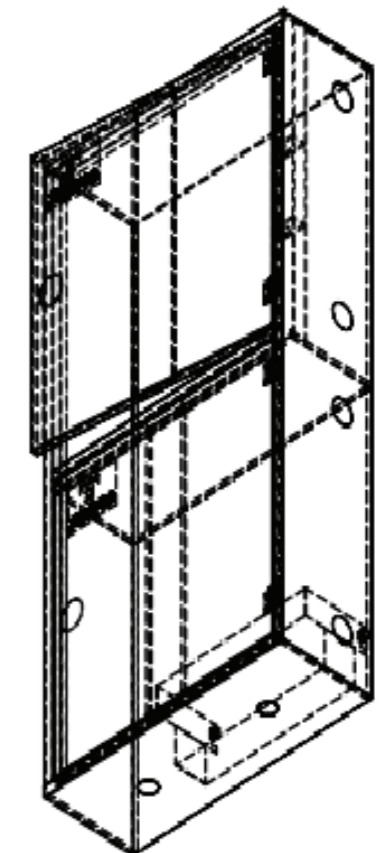
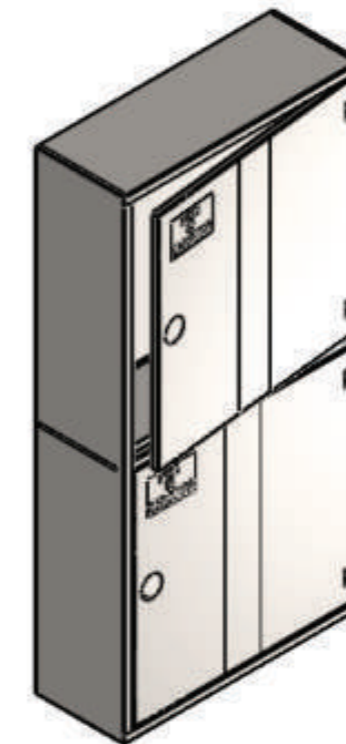
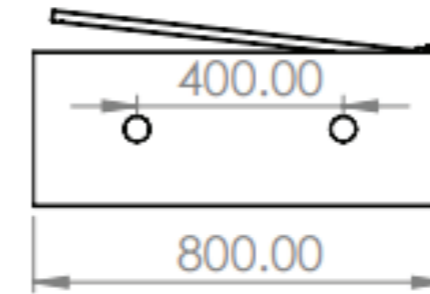
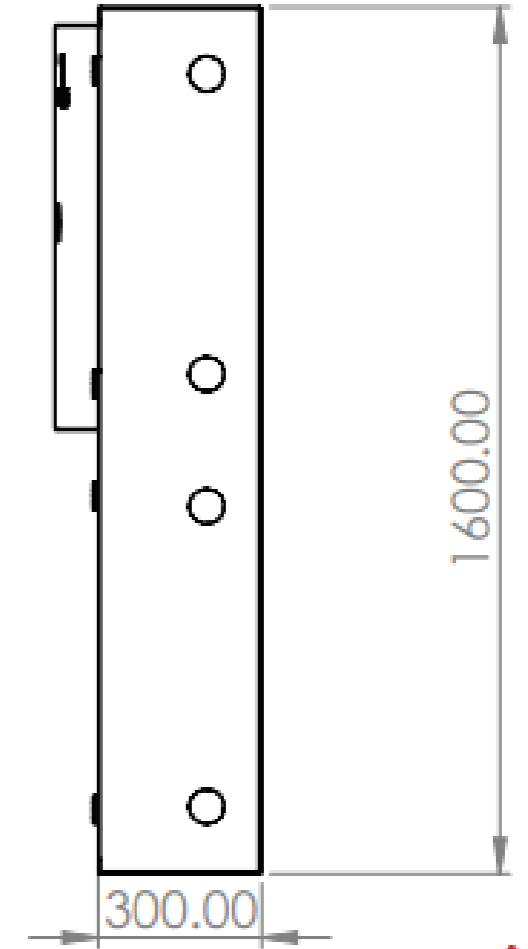
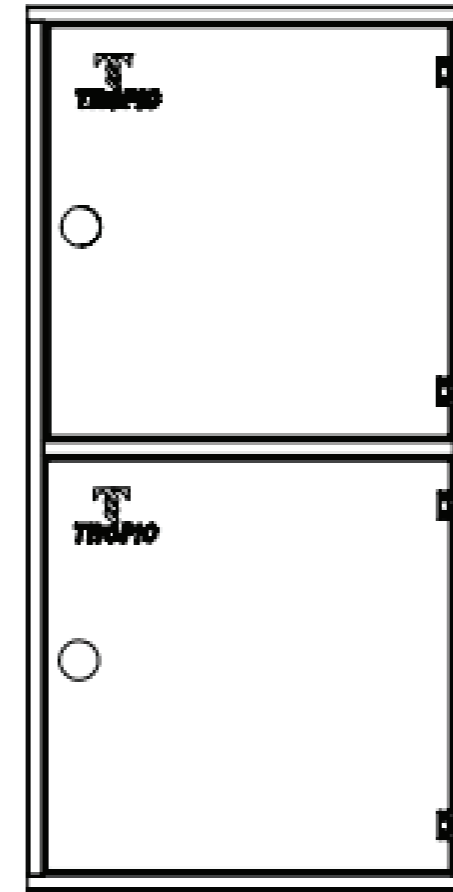
# Double Fire Cabinets/ Recessed type cabinets

## Description

- Cabinet material made of Electro Galvanized sheet or Stainless Steel Sheet
- Locking of cabinet is either key operated or round handle cam latch.
- Cabinets are available either in surface mounted or recessed mounted type.
- Cabinet containing Hose and Fire Extinguisher Stand
- Door can open up to 180 degrees
- There are little holes in the bottom of the box to drain the leaking water.

## Full Stainless Steel Cabinets:

Dimension	1600*800*300
Materials	Stainless Steel
Thickness	1.5 mm
Insulation	Surface / Wall Mounted
Capacity	Manual Or Automatic Swing, Fixed Hose Reel 1" Or 1.5"
Finish	Red Powder coated



## Fire Hose Cabinet ( Accessories)



### Fire Hose

Hose Diameter and Length	64 mm * 30 m / 38 mm * 30 m
Fabrication	Flat nylon hose with Internal rubber lining
Optimum Working Pressure Range	17 bar
Hose Bursting Pressure	50 bar
Hose Coupling	Equipped with instantaneous coupling BS 336,64 mm



### Fire Hose Reel

Diameter	650 mm / 580 mm
swinging range	0-180
material	steel according to DIN 1623
Paint Finish	Surface treatment and 100% Polyester Coating
Water Way	Manual Valva For Hose Reel
Water Way Material	Nickle-Chrome Plated Brass
Water Way Diameter	1 inch



### Water branchpipe for hose

Diameter	64 mm / 38 mm
Material	High Strength aluminium alloy
Operation Mode	Full jet
Working Pressure Range	Upto16 bar
Max. Output	215 l/min when the ball valve is completely opened
Max. Throw Range	27 m. nozzle pressure 6 bar
Coupling Type	2.5 inch instantaneous coupling BS 336



### Landing Valves ( Fire Valves ) for hose

Diameter	64 mm / 38 mm
Inlet thread	G 2.5 A
Outlet Inst female	2.5 " -Alu
Optimum Working Pressure Range	17 bar
Weight (kg)	2.700
Coupling Type	2.5 inch instantaneous coupling BS 336

# STEEL PANELS BOARD



# Alarm Panel

## Description

- Cabinet material made of Electro Galvanized sheet or Stainless Steel Sheet
- Locking of cabinet is either key operated or round handle cam latch.
- Made of cold rolled steel sheets and coated with electrostatic paints
- Door can open up to 180 degrees.

## Specifications

Construction	Mechanically interlocked, hemmed vertical edge seam with inverted top and bottom channel welded to both face sheets
Materials	Cold rolled steel sheet confirm to ASTM or equivalent standard
Thickness	1.5 mm
Core Or Insulation	Rockwool
Application	Light to extra heavy duty use as per SDI
Irinmongery	Certified as per door test standard BS, EN and UL
Finish	Powder coated/ Wood finish/ Wet paint meets ANSI A 250.3 and ANSI A 250.10



# Electrical Panel

## Description

- Cabinet material made of Electro Galvanized sheet or Stainless Steel Sheet
- Locking of cabinet is either key operated or round handle cam latch.
- Cabinets are available either in surface mounted or recessed mounted type.
- Door can open up to 180 degrees.

## Specifications

Construction	Mechanically interlocked, hemmed vertical edge seam with inverted top and bottom channel welded to both face sheets
Materials	Cold rolled steel sheet confirm to ASTM or equivalent standard
Thickness	0.5 To 2.5 mm
Core Or Insulation	Rockwool
Application	Light to extra heavy duty use as per SDI
Irinmongery	Certified as per door test standard BS, EN and UL
Fire Rating	Up to 240 minutes
Finish	Powder coated/ Wood finish/ Wet paint meets ANSI A 250.3 and ANSI A 250.10



STEEL DOOR



# Steel Door Construction Overview

## Description

Bullet resistance doors are designed to provide protection by preventing the security against inmate tampering attack by variety of tools.

- Seamless welded design - Vision panel - Bottom Louver/Grille
- Alternate Stainless / steel material
- Additional top panel - Knock down frame /Groove frame with kerf gasket

## Specifications

Construction	Mechanically interlocked, hemmed vertical edge seam with inverted top and bottom channel welded to both face sheets
Materials	Cold rolled galvanized steel sheet confirm to ASTM or equivalent standard
Gauge/Door Thickness	45-80mm thick door with skin thickness 0.9 to 2mm
Core Or Insulation	Rockwool
Application	Light to extra heavy duty use as per SDI
Frame Gauge/Jamb Depth	1.5 to 4mm/ up to 500mm
Irinmongery	Certified as per door test standard BS, EN and UL
Fire Rating	Up to 240 minutes as per EN/BS and 120 minutes as per UL
Test Standard	EN 1634-1/BS 476 part20-22/UL10C
Certification	Intertek, BM trada, Exova Warrington
Finish	Powder coated/ Wood finish/ Wet paint meets ANSI A 250.3 and ANSI A 250.10



## Fire Rated Single Leaf Doorset With / Without Vision Panel

### Description

Steel doors are of flush or glazed panel with steel stiffeners and laminated core design suitable for any commercial residential buildings, industrial, hospitals, hotels, schools, available with wide range of glass lights and with louver preparation ETC.

Different types of cores with single and double leaf configuration. Our doors and frames can be customized to the customer needs in terms of design.

- Seamless welded design - Vision panel - Bottom Louver/Grille
- Alternate Stainless-steel material
- Additional top panel
- Knock down frame /Groove frame with kerf gasket

### Specifications

Construction	Mechanically interlocked, hemmed vertical edge seam with inverted top and bottom channel welded to both face sheets
Materials	Cold rolled steel sheet conform to ASTM or equivalent standard
Gauge/Door Thickness	45-80mm thick door with skin thickness 0.9 to 2mm
Core Or Insulation	Rockwool
Application	Light to extra heavy duty use as per SDI
Frame Gauge	1.5 to 4mm/ up to 500mm
Inrimongery	Certified as per door test standard BS, EN and UL
Fire Rating	Up to 240 minutes
Finish	Powder coated/ Wood finish/ Wet paint meets ANSI A 250.3 and ANSI A 250.10



## Fire Rated Double Leaf Doorset With / Without Vision Panel

### Description

Steel doors are of flush or glazed panel with steel stiffeners and laminated core design suitable for any commercial residential buildings, industrial, hospitals, hotels, schools, available with wide range of glass lights and with louver preparation ETC.

Different types of cores with single and double leaf configuration.

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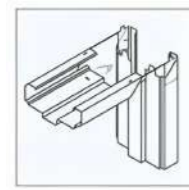
### Specifications

Construction	Mechanically interlocked, hemmed vertical edge seam with inverted top and bottom channel welded to both face sheets
Materials	Cold rolled steel sheet conform to ASTM or equivalent standard
Gauge/Door Thickness	45-80mm thick door with skin thickness 0.9 to 2mm
Core Or Insulation	Rockwool
Application	Light to extra heavy duty use as per SDI
Frame Gauge	1.5 to 4mm/ up to 500mm
Irismongery	Certified as per door test standard BS, EN and UL
Fire Rating	Up to 240 minutes
Finish	Powder coated/ Wood finish/ Wet paint meets ANSI A 250.3 and ANSI A 250.10

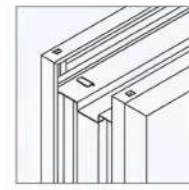


# STEEL DOOR

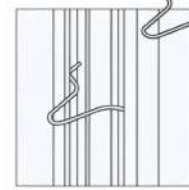




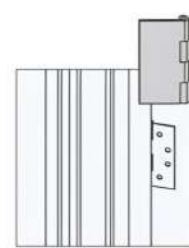
Mitre joining tab installation.



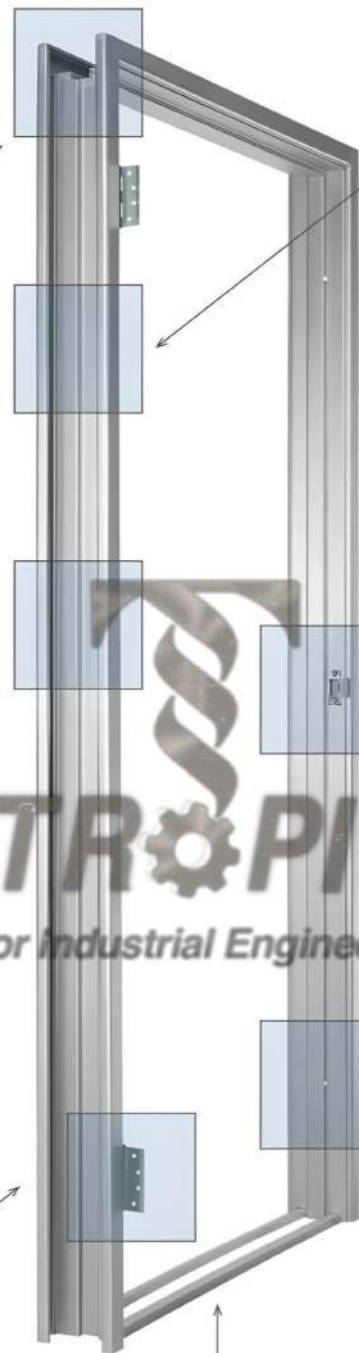
**Corner Detail**  
Factory assembled mitre corners are welded and ground smooth. For on-site assembly, bend tabs over.



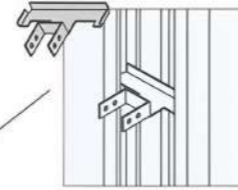
**Brick Tie Detail**  
4mm wire brick ties are supplied for a secure and tight fit to the wall.



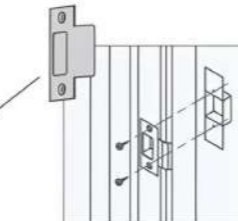
**Butt Hinge Detail**  
Two 100 x 75mm zinc plated butt hinges are spot welded to the frame.



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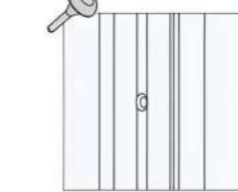


**Stud Frame Clip Detail**  
Stud frame clips are supplied to join unassembled frames to the studwork.



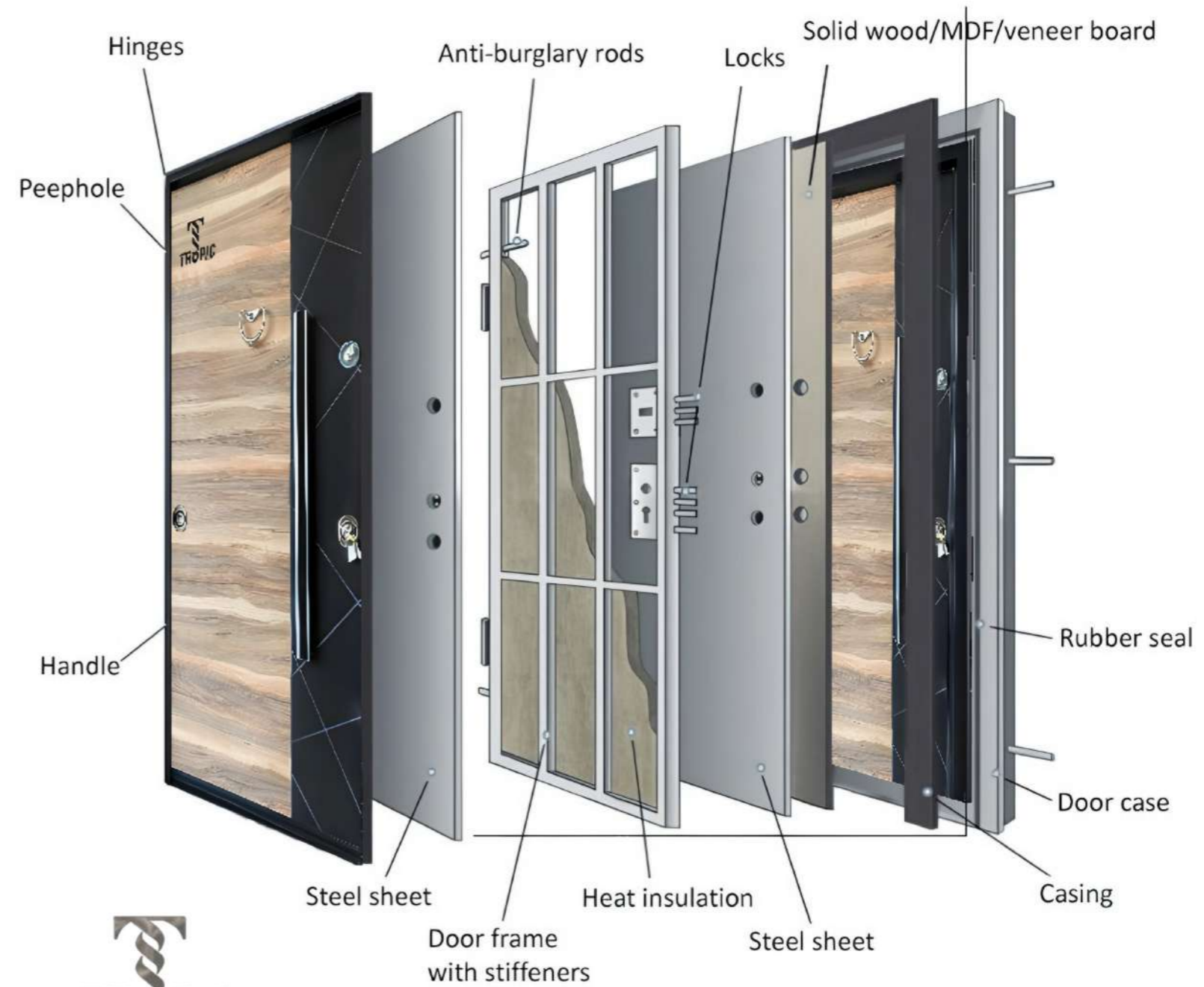
**Striker Plate Detail**  
Stainless steel striker plate, designed for a smooth closing operation.  
BMT: 0.8mm  
Grade: 304 2B Stainless Steel

The striker plate is fastened using two 6 x 12mm zinc plated self tapping screws.



**Rubber Buffer Detail**  
Rubber buffers provided to reduce any noise and vibration during use.

**Spreader Bars**  
Two temporary spreader bars to maintain a square and rigid frame. Wardrobe frames are supplied with permanent bottom rails attached.  
BMT: 1.1mm  
Material: Annealed, Zinc coated steel  
Mimum Coating: G25 ZF100\*



# وش بابہ أوكراني



700 701 702 703 704



705 706 707 708 709

# وش بابہ میلامین استانیسیس



5000 5001 5002 5003



5004 5005 5006

# وش مصفح

## 3D



code: 11 (S)



code: 12 (S)



code: 13 (H)



code: 14 (S)



code: 15 (S)



code: 16 (H)



# وش بابو خط



600



601



602



603



604



605



606



607



608

# وش بابو تصميم



101 102 103 104 105 106



107 108 109 110 111 112

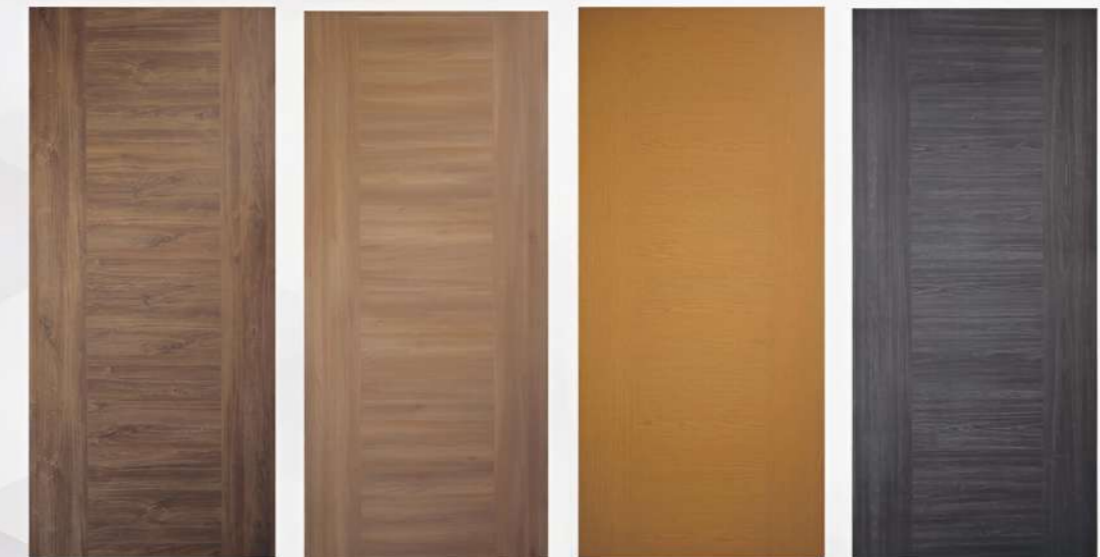


113 114 115

# وش بابو ٢ قايم



200 201 202 203



204 205 206 207

# میلامین استانیسیس



5008



5009



5010



5011

# تصمیم CNC



500



501



502



503



504



507



508



509



510



506



2049 (H)



2050 (H)



2051 (H)



2052 (H)



2053 (H)



2054 (H)



2055 (H)



2056 (H)



2057 (H)



2058 (H)



2059 (H)



2060 (H)



2061 (H)



2062 (H)



2063 (H)



2064 (H)



2065 (H)



2066 (H)



2067 (H)



2068 (H)



2069 (H)



2070 (H)



2071 (H)



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2090 (H)



2091 (H)



2092 (H)



2093 (H)



2094 (H)



2095 (H)



2096 (H)



2097 (H)



2098 (H)



2099 (H)



2100 (H)

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