



TYPE-A/B  
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CML : 7600187213

SINCE 2010



CML : 8800179321



CML : 7600185916



CML : 7600217911

# ARMOR FIRE®

*Shield of Quality*



Approval By BMC



**INDIA'S LARGEST INHOUSE MANUFACTURING COMPANY**

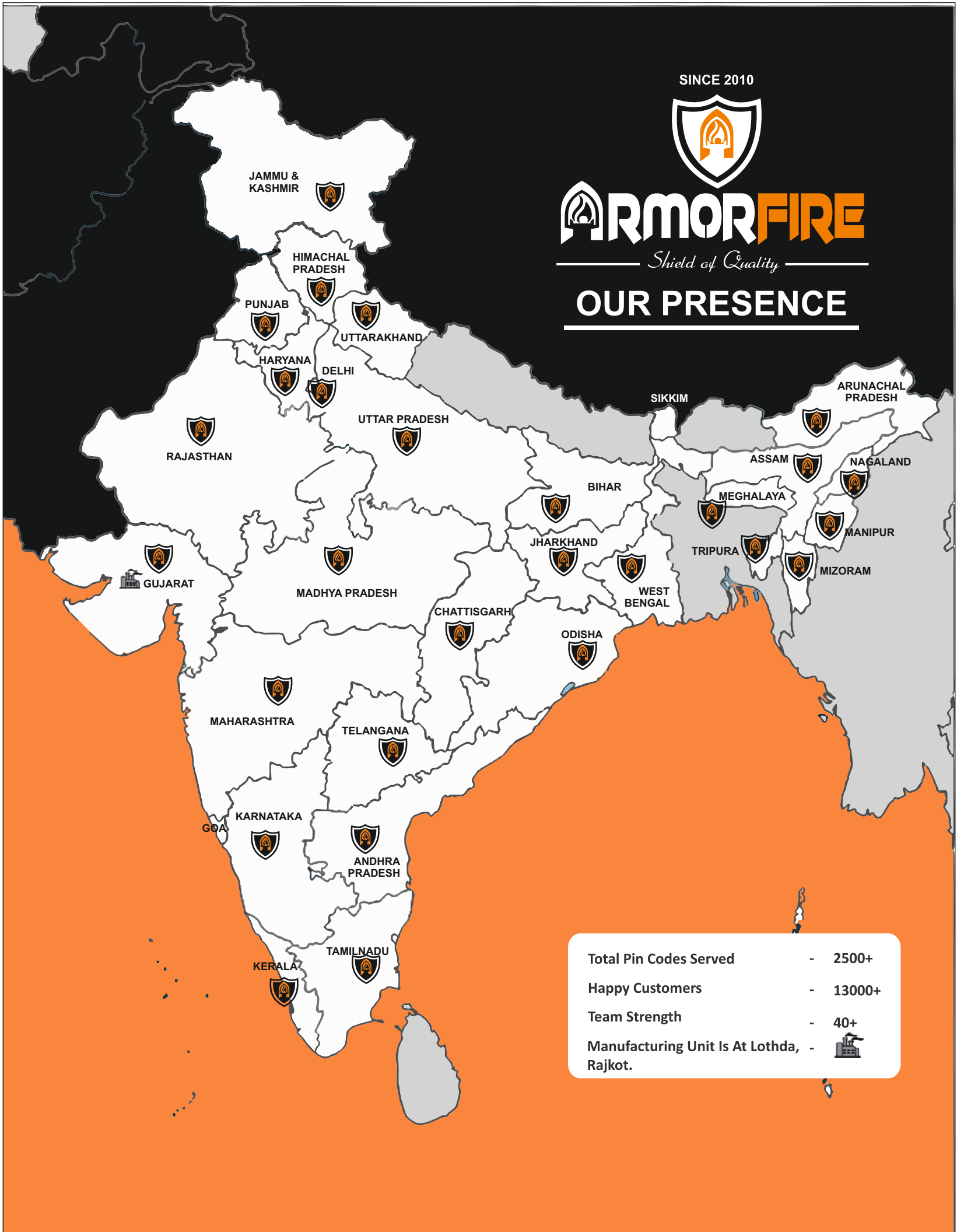
SINCE 2010




# ARMORFIRE

*Shield of Quality*

## OUR PRESENCE



Total Pin Codes Served	-	2500+
Happy Customers	-	13000+
Team Strength	-	40+
Manufacturing Unit Is At Lothda, Rajkot.	-	



# Ankur Babariya

FOUNDER - CMD



# Pritesh Babariya

MANAGING DIRECTOR

## INTRODUCTION :-

As a world-class manufacturer and supplier of premium fire-fighting equipments, We M/s. Armor Steel Industries Private limited (Formerly Mahadev Casting), in association with the esteemed brand ARMORFIRE, has established itself as a leader in both domestic and international markets. Our state-of-the-art, in-house manufacturing unit facilitates casting, machining, assembly, and testing processes, enabling us to capitalize on every opportunity to minimize fire risks in living spaces and industrial areas. We are committed to delivering exceptional goods and services that meet our customers' needs, while ensuring compliance with ISO 9001:2015 requirements. Our relentless pursuit of quality excellence drives us to continually seek improvements and maintain the highest standards. With a team of technically expert employees dedicated to benchmarking quality standards, we are confident that our presentation will be of interest to you. We assure you of our competence and desire to fulfill your contract in a manner that is totally satisfactory to you.

# Armor Fire Core Ideology

## : CORE PURPOSE :

### “ To Grow & Secure Lives With Shield of Quality ”

This ideology reflects **Armor Fire's** unwavering commitment to protecting lives and assets through innovation and service, while fostering continuous growth-for our customers, employees, partners, vendors and society at large.

## : CORE VALUES :



### Morality & Responsibility :

Given By **Armor Fire**

We are guided by integrity, honesty, and fairness—doing what's right, even when no one is watching. We take full ownership of our commitments, ensuring safety, quality and reliability in every product and service we deliver.



### Customer First, Customer is God :

At **Armor Fire**, we treat every customer with the same care and commitment as we put into every product we build. To us the customer is not just important – the customer is everything.

Our promise is built on :

- Premium Quality
- Timely Delivery
- Customer respect

Just like our name, **Armor Fire**, we stand Strong – Protecting what matters, and serving our customers with dedication and honor.



### Never-Ending Growth with “Armor Fire” :

We believe in evolving every day—personally, professionally, and technologically. We invest in our team's learning and leadership to unlock their full potential. Our ambition is to expand our impact-locally and globally-without ever compromising our core values.



### R&D and Hard Work :

Here at **Armor Fire**,

We lead with research and development to stay at the forefront of fire safety technology.

We believe in consistent, disciplined hard work—no shortcuts. We undertake challenges with data, creativity, and relentless determination.



### Transparency with Armor Fire :

We uphold honesty and clarity in all internal and external communications. We share information openly to build trust with customers, partners, employees and vendors. Our operations are built on truth, not maneuver—what you see is what you get with **Armor Fire**.

 **BIG  
HAIRY  
AUDACIOUS  
GOAL  
(BHAG)**

"To Become a World Pioneer Brand with **INR 5,000** Crore Market Capitalization by **31st March 2045**"

- **At Armor Fire**, we don't just aim high—we aim beyond. Our BHAG is a bold declaration of our long-term ambition:

- To establish **Armor Fire** as a globally recognized pioneer in fire safety innovation and service excellence.

### Vivid Description

#### The Future of Armor Fire: Vision 2045

By the year 2045, Armor Fire will rise as the world's most trusted all-in-one fire fighting solutions provider a name that reflects innovation, reliability and global leadership in fire safety.

#### A Headquarters That Embodies Our Vision

- Our **100-acre** state-of-the-art campus will be a beacon of excellence, featuring :
  - Advanced manufacturing units
  - World-class training academies
  - Cutting-edge R&D laboratories
  - Green energy infrastructure
- This campus will reflect our unwavering commitment to sustainability, safety, and scalable growth.

#### Global Presence, Local Strength

- Regional headquarters and warehouses in Dubai and key African nations will serve as strategic hubs for international operations.
- In India, four zonal mega-warehouses (North, South, East, West) will ensure rapid delivery and seamless service.
- Our products will be exported to over 60 countries, establishing **Armor Fire** as a globally respected brand.

#### Comprehensive Product Ecosystem

- We will offer the full spectrum of **Grooved, Plain, Rubber, & Gasketed Fitting Fire Fighting Systems**, including:
  - Basic extinguishers
  - AI-powered suppression systems
  - Smart alarms
- Industrial-scale fire protection solutions
- Our R&D division will lead the charge in developing next-generation fire safety technologies, setting new industry benchmarks.

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## A Thriving Workforce of 2,000+

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- Our team will include 2,000+ passionate professionals—engineers, innovators, safety experts, and visionary leaders and Advisors.
- We will recruit top talent from India's premier institutions like the IIMs and IITs. as well as leading institutions worldwide.
- Our in-house leadership development programs will nurture future-ready professionals.
- Employee achievements will be celebrated with international trips and recognition programs.

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## Market Leadership & Recognition

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- Armor Fire will proudly be listed on the Main Board of the Stock Market (IPO), marking a major milestone in our journey in the world.
- Our success story will be featured in global media, showcasing our innovation and impact.
- We will build a robust network of 500+ distributors across India and Abroad, ensuring unmatched reach and service.
- Certified Excellence With
  - ISO
  - BIS
  - CE
- We will Grow up with
  - UL
  - LPCB
  - FM,etc

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## Social Responsibility

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- We will establish and run our own NGO, dedicated to fire safety awareness, disaster relief, and community development.
- Our commitment to social impact will be as strong as our commitment to innovation.



# Our Product Family



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02

HYDRANT VALVE TYPE - B



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HYDRANT VALVE THREADED TYPE



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**ISI PRODUCT**



**S.S. HYDRANT VALVE TYPE-A  
TECHNICAL SPECIFICATION**

Size of Landing Valve : 63 mm  
 Inlet : 3" NB Flanged For Single Outlet.  
 Outlet : female Instantaneous  
 Material : Stainless Steel/Gun Metal  
 Conforming specification : IS. 5290.

**PERFORMANCE TEST**

Hydrostatic Test (Body Test) : Tested at 23 kg/cm<sup>2</sup> for 2 1/2 minute.  
 Water Tightness (Seat Text) : Tested at 14 kg/cm<sup>2</sup>  
 Flow Test : (Type-A) 900 LPM discharge at 7 kg/cm<sup>2</sup>  
 Documentation : Test & Guarantee Certificate  
 Lug : Twist Release Type & Pull Out Type

**HAND WHEEL**

Grey Cast Iron.

**WARRANTY**

12 Months from the date of supply.

**Weight 8.5kg Approx**



**S.S. HYDRANT VALVE TYPE - B  
TECHNICAL SPECIFICATION**

Size of Landing Valve : 63 mm  
 Inlet : 4" NB Flanged For Double Outlet.  
 Outlet : Female Instantaneous  
 Material : Stainless Steel/Gun Metal

**PERFORMANCE TEST**

Hydrostatic Test (Body Test) : Tested at 23 kg/cm<sup>2</sup> for 2 1/2 minute.  
 Water Tightness (Seat Text) : Tested at 14 kg/cm<sup>2</sup>  
 Flow Test : (Type-A) 1800 LPM discharge at 7 kg/cm<sup>2</sup>  
 Documentation : Test & Guarantee Certificate  
 Lug : Twist Release Type & Pull Out Type

**HAND WHEEL**

Grey Cast Iron.

**WARRANTY**

12 Months from the date of supply.

**Weight 17.1kg Approx**



## Two Way Hydrant Standpost



- Body: Carbon Steel
- Inlet: 4" Flanged
- Working Pressure: 150 PSI
- Outlet: 2 Nos. of 3" Flanged.  
Optional, 1 Nos. of 4" Flanged Outlet for Monitor
- Test Pressure: 325 PSI

### ISI PRODUCT



### TYPE-1



### TYPE-3

#### ARMOR FIRE RRL HOSE

**Hose** : Armor Fire RRL Hose (Reinforced Rubber Lined Hose) Conforming to IS : 636/2018 TYPE-1, ISI Marked 63mm.

**Application** : This RRL Hose is used for water delivery Purpose in Fire-Fighting & Civil Engineering Applications Etc.

**Construction:**

**Jacket** : Circular woven jacket made from a special blend of Cotton & Synthetic Yarn with high abrasion and heat resistance. Jacket is also treated with suitable rot proofing agent

**Reinforcement** : A thin fabric reinforcement bonded by a special adhesive.

**Standard Length** : 7.5 Mtrs / 15 Mtrs / 22.5 Mtrs / 30 Mtrs

**Documentation** : Test & Guarantee Certificate

**Test** : Hydrostatic Proof & Burst Pressure Test as per IS : 443-2023

**Rubber Lining** : A rubber inner lining with suitable rubber compound which gives flexibility, durability & Better resistance 636/2018 TYPE-3, ISI Marked 63mm.

**Standard Length** : 7.5 mtrs / 15 mtrs / 22.5 mtrs / 30 mtrs

**Documentation** : Test & Guarantee Certificate

**End Connection** : Male Female Coupling Stainless Steel /G.M.

**Features** : Compact Flexible & Light Weight, And Easy To Maintain, Ability To Withstand High Operation, & Back Pressure, High Abrasion Resistance, Excellent Heat Resistance Fabric, Strong And Durable

**Test** : Hydrostatic Proof & Burst Pressure Test as per IS : 443-2023



## ISI PRODUCT



### S.S. MALE-FEMALE COUPLING

#### TECHNICAL SPECIFICATION

Size	: 63mm
Material	: Stainless Steel/Gun Metal/Aluminium
Conforming Specification	: IS.903

#### PERFORMANCE TEST

Hydraulic test (Body Test)	: Tested at 21 kgf/cm <sup>2</sup> for 2 ½ minute.
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Documentation	: Test & Guarantee Certificate
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#### WARRANTY

12 Months from the date of supply.

Weight 2.6kg Approx



### S.S. BRANCH PIPE & NOZZLE

#### TECHNICAL SPECIFICATION

Size Of Branch Pipe	: 63mm
Size Of Nozzles	: 6 mm, 12 mm, 16 mm, 20 mm, 25 mm
Material	: Stainless Steel/Gun Metal/Aluminium
Conforming Specification	: IS : 903

#### PERFORMANCE TEST

Hydraulic test (Body Test)	: Tested at 21 kgf/cm <sup>2</sup> for 2 ½ minute.
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Working Pressure	: 7 kgf/cm <sup>2</sup>
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Documentation	: Test & Guarantee Certificate
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#### WARRANTY

12 Months from the date of supply.

Weight 2.2kg Approx



## Single Door Fire Hose Box

Capacity:	Suitable for Storing one nos 7.5 mtr or 15 mtr/30mtr hose and one Nozzle
Features:	Light Weight & Weather Proof Wall Mounted/ Self Standing
Coating:	Finished with Post Office Red Color
Thickness:	18 SWG
Lock:	Mechanical Key Lock
Key Box & Handle	Provided
Wall Mounting	
Bracket:	Provided
Glass:	Acrylic Fitted with rubber beading for transparency on single door.



## Double Door Fire Hose Box

Capacity:	Suitable for Storing two nos 7.5 mtr or 15 mtr/30 mtr hose and one Nozzle
Features:	Light Weight & Weather Proof Wall Mounted/Self Standing
Coating:	Finished with Post Office Red Color /Luminous Yellow Color
Thickness:	18 SWG
Lock:	Mechanical Key Lock
Key Box & Handle:	Provided
Wall Mounting Bracket:	Provided
Glass:	Acrylic Fitted with rubber beading for transparency on both door



## BS-EN-671-HOSE-REEL-DRUM



### Regular Type Hose Reel Drum

**MATERIAL OF CONSTRUCTION :**

- Side Plates : Mild Steel IS : 513
- Hub : Mild Steel IS : 513
- Side Rim : Mild Steel IS : 513
- Swivel Joint : Mild Steel IS : 513
- Hose Reel Tubing : Thermoplastic IS: 12585
- Rubber Pipe IS : 444**
- Size 20mm. : 30Mtr., 36Mtr., 40Mtr.,



### Regular Type Hose Reel Drum

**FEATURES :**

Strong and Durable, Premium, Corrosion resistance, Leakage resistance, Reduces Hose wear.

**GENERAL DATA :**

- Make : ARMOR FIRE
- Size/Model : HOSE REEL (Swinging Type)
- Inlet : 3/4" MBSP Threaded connection.
- Outlet : Hose fitted with Stainless Steel & Brass shut-off nozzle. (Jet/Spray type optional)

**WARRANTY :**

12 Months from the date of supply.

**PERFORMANCE TEST :**

- Range : 6 Mtr. (Min)
- Flow : Maximum Working Pressure : 12 Bar

**FINISH :**

Plates perfectly shaped  
Powder coated fire  
Red color as per IS:5,  
Shade No:536



## Malaysian Type Hose Reel Drum (ISI Hose Reel Drum)

**FEATURES :**

Strong and Durable, Leakage resistance, Premium Quality, Corrosion resistance, Reduces Hose wear.

**GENERAL DATA :**

- Make : ARMOR FIRE
- Size/Model : HOSE REEL (Swinging Type)
- Inlet : 1" BSP Threaded connection.
- Outlet : Hose fitted with Stainless Steel & Brass shut-off nozzle. (Jet/Spray type optional)

**WARRANTY :**

12 Months from the date of supply.

**PERFORMANCE TEST :**

- Flow : Maximum Working Pressure : 12 Bar
- Range : 6 Mtr. (Min.)
- Documentation : Test Certificate

**FINISH :**

Plates perfectly shaped  
Powder coated fire Red color as per IS:5, Shade No:536



**ISI-HOSE-REEL-DRUM-TYPE-A**



**ISI-HOSE-REEL-DRUM-TYPE-B**



### Malaysian Type Hose Reel Drum



## Carbon Dioxide Portable Fire Extinguishers

Applicable on fires involving



### TECHNICAL SPECIFICATIONS

Model	AS Co2- 4.5	AS Co2 - 2
Capacity (in kg)	4.5	2
Filling Ratio	0.667	0.667
Type of Extinguishing Media	Co2 Gas Conforming to IS:15222	Co2 Gas Conforming to IS:15222
Expellant	Self	Self
Minimum Effective Discharge (%)	95	95
Minimum Throw (in metres)	More Than 2	More Than 1
Minimum Discharge Time (in seconds)	More than 8	More than 8
Operating Position	Upright	Upright
Operating Temperature Range (in Celsius)	(-)30 to (+)60	(-)30 to (+)60
Operating Valve (IS 3224)	Squeeze Grip / Wheel Type	Squeeze Grip I/Wheel Type
Fire Rating	55B	21B



# ABC POWDER PORTABLE FIRE EXTINGUISHERS



**ABC POWDER PORTABLE AUTOMATIC 5KG & 10KG**



## TECHNICAL SPECIFICATIONS

Model	AS-1	AS-2	AS-4	AS-6	AS-9	ASSP - 25
Capacity (in kg)	1	2	4	6	9	25
Anti-Corrosive Inhibitor	Epoxy Polyester Powder Coating	Epoxy Polyester Powder Coating	Epoxy Polyester Powder Coating	Epoxy Polyester Powder Coating	Epoxy Polyester Powder Coating	Epoxy Polyester Powder Coating
Type Of Extinguishing Media	DryPowder IS 14308	DryPowder IS 14308	DryPowder IS 14308	DryPowder IS 14308	DryPowder IS 14308	DryPowder IS 14308
Expellant						
Minimum Effective Discharge (%)	85	85	85	85	85	85
Minimum Jet Length (in metres)	More than 2	More than 2	More than 2	More than 2	More than 2	More than 6
Discharge Time (in Seconds)	More than 8	More than 8	More than 13	More than 13	More than 13	More than 30
Hydraulic Test Pressure (in kg/sq.cm)	35	35	35	35	35	35
Operating Position	Upright	Upright	Upright	Upright	Upright	Upright
Operation Temperature Range (in celsius)	(-30 to +)60	(-30 to +)60	(-30 to +)60	(-30 to +)60	(-30 to +)60	(-30 to +)55
Operating Valve	Squeeze Grip With Nozzle	Squeeze Grip With Nozzle	Squeeze Grip With Discharge Hose	Squeeze Grip With Discharge Hose	Squeeze Grip With Discharge Hose	Controllable Discharge Valve Mechanism
Fire Rating	1A & 21B	1A & 21B	2A & 55B	3A & 89B	4A & 144B	20A & 233B

Applicable on fires involving



## TWO WAY INLET



### Two way Inlet

- (1) Non return valve : Stainless steel /Gun Metal
- (2) Flange size : # P.C.D-180 mm, O.D-220 mm, I.D--100 mm.
- (3) No. of hole : # 08 Nos. Dia of hole: # 19 mm.

Weight 10.4kg Approx

## THREE WAY INLET

### Three Way Inlet

- (1) Non return valve : Stainless steel/Gun Metal
- (2) Flange size : # P.C.D-180 mm, O.D-220 mm, I.D-100 mm.
- (3) No. of hole : # 08 Nos. Dia. of hole : # 19mm.

Weight 14.9kg Approx



## FOUR WAY INLET



### Four Way Inlet

- (1) Non return valve : Stainless steel/Gun Metal
- (2) Flange size : # P.C.D-242 mm, O.D-280 mm, I.D-150 mm.
- (3) No. of hole : #08 Nos. Dia. of hole : # 19mm.

Weight 23kg Approx



# Wafer Type Butterfly Valve



DN 50    DN 65    DN 80    DN 100    DN 125    DN 150    DN 200

Component	Material
Body	Cast/Ductile Iron, SS 304
Disc	SGI/SS 304
Shaft	SS 410
Seat	Nitrilite/EPDM
Sizes	2", 2.1/2", 3", 4", 5", 6", 8", 12"
Pressure Nominal	PN 10, PN 1.6, PN 2.5



- End connection – Wafer end suitable for Flange ANSI B 16.5 Class 150#
- Operation – Lever Operated  
Gear Operated

## Non Return Valve (NRV)

## DUAL PLATE (NRV)



DN 80    DN 100    DN 150

Component	Material
Body	Cast Iron, SS 210
Disc	Cf8
Shaft	SS 304
Seat	EPDM RUBBER LINING
Sizes	80mm, 100mm, 150mm
Pressure Nominal	PN 20, PN 60



DN 50    DN 65    DN 80    DN 100    DN 150    DN 200

Component	Material
Body	Cast Iron, SS 210
Disc	Cf8
Shaft	SS 304
Seat	EPDM RUBBER LINING
Sizes	50mm, 65mm, 80mm, 100mm, 150mm, 200mm
Pressure Nominal	PN 20, PN 60



## RESILIENT SEATED SLUICE/GATE VALVE



Sr. No.	PART	MATERIAL
1	BODY	DUCTILE IRON GR 500-7
2	WEDGE	DUCTILE IRON GR 500-7+ EPDM
3	BONNET	DUCTILE IRON GR 500-7
4	STEM	SS 410
5	STEM NUT	BRASS
6	GASKET	EPDM
7	LOADING RING	BRASS
8	O RING	EPDM
9	BOLTS	STAINLESS STEEL A2-70
10	HAND WHEEL	DUCTILE IRON GR 500-7
11	GLAND	DUCTILE IRON GR 500-7
12	NUTS	STAINLESS STEEL A2-70
13	WASHER	NYLON

Sr. No.	DESCRIPTION	SPECIFICATION
1	NOMINAL DIA	DN50-DN300
2	NOMINAL PRESSURE	PN16
3	VALVE DESIGN STANDARD	BS5163
4	FACE TO FACE STANDARD	EN558 & ISO5752 SERIES-3
5	SHELL TEST	PN24
6	SEALING TEST	PN 17.6
7	WORKING TEMP. (MAX.)	120°C

## STAINER Y – TYPE #150



Parameter	Technical Specification
Valve Type	Y- Type Strainer Flanged End
Other Type	Bolted Cover type
Valve Rating	# 150
Valve Design	Manufacturing Standard
Flange Thickness & Drilling	As per ASME B 16.15
End To End Dimensions	As per ASME B 16.10
Testing Standard	As per API 598
Test Pressure Body	Hydrostatic 24 Kg/cm2
End Connection	Flanged, Drilled to B 16.5 # 150
Screen	100 Mesh
<b>Size range : 25,40,50,65,80,100,125,150,200 (All Dim. In mm)</b>	

COMPONENTS	MOC
Body	Cast Iron
Cover	Cast Iron
Mesh	SS 304
Gasket	CAF
Fastners	MS



# AUTOMATIC SPRINKLERS STANDARD SPRAY SPRINKLER



## UPRIGHT



## PENDENT



## HORIZONTAL SIDEWALL



### Physical Characteristics

Frame	Bronze
Button	Brass/Copper
Bulb	Glass
Compression Screw	Bronze
Deflector	Copper
Sealing Assembly	Nickel Alloy w/Teflon or NBR O-ring

Maximum Working Pressure  
175 psi (12,1 bar)

K FACTOR	k=5.6 (80,6) k=8.0 (115,2)
THREAD SIZE	1/2 R 3/4" R 1/2" NPT 3/4" NPT
TEMPERATURE	135°F/57°C, 155°F/68°C 175°F/79°C, 200°F/93°C, 286°F/141°C, 360°F/182°C
SPRINKLER FINISH	Natural Brass, Chrome plated Pure White, Signal White
BULB	UL & Non UL BULB 3mm, 5mm

## CONCEALED SPRINKLER



## ESFR SPRINKLER



## MEDIUM VELOCITY NOZZLE

### SPECIFICATION

- Directional Spray Nozzle With Cone Shaped Spray Pattern
- Suitable For Minimum Working Pressure Of 7 PSI (0.5 Bar) and Maximum Working Pressure Of 175 PSI (12 Bar).
- Wide Range Of K-Factor And Spray Angle Are Available.
- Available In Brass Forged Polished Or Chrome Plated. Intet 1/2 inch BSPT



## Air Release Valve



- Body : Copper Alloy
- Inlet Connection : Threaded Male Connection
- Description : Inlet Connection With 1" BSP



# Sprinklers Accessories

**TEST & DRAIN  
VALVE**



**ALARM  
GONG BELL**



**WATER CURTAIN  
NOZZLE**



**SPRINKLER ROSETTE PLATE**



**HIGH VELOCITY  
SPRAY NOZZLE**



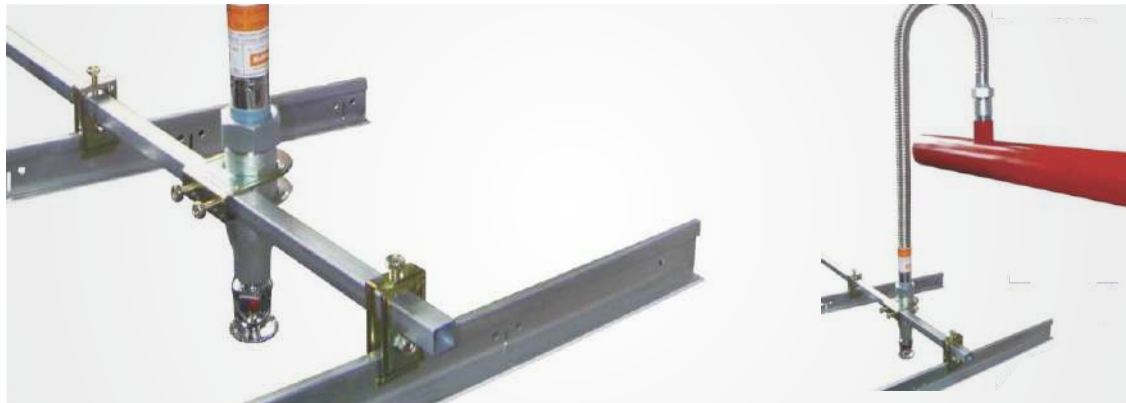
## Braided Flexible Sprinkler Hose



### BRAIDED FLEXIBLE HOSE

LENGTH (in MM)	700	1000	1200	1500	1800
Max.Working Pressure	200 PSI	200 PSI	200 PSI	200 PSI	200 PSI
Inlet Nipple	1" BSPT	1" BSPT	1" BSPT	1" BSPT	1" BSPT
Outlet Reducer	1/2"NPT OR 3/4"NPT	1/2"NPT OR 3/4"NPT	1/2"NPT OR 3/4"NPT	1/2"NPT OR 3/4"NPT	1/2"NPT OR 3/4"NPT
Material of Construction	SS 304	SS 304	SS 304	SS 304	SS 304
SUITABLE K-FACTOR	5.6 & 8	5.6 & 8	5.6 & 8	5.6 & 8	5.6 & 8

## Unbraided Flexible Sprinkler Hose



### UNBRAIDED FLEXIBLE HOSE

LENGTH (in MM)	700	1000	1200	1500	1800
Max.Working Pressure	200 PSI	200 PSI	200 PSI	200 PSI	200 PSI
Inlet Nipple	1" BSPT	1" BSPT	1" BSPT	1" BSPT	1" BSPT
Outlet Reducer	1/2"NPT OR 3/4"NPT	1/2"NPT OR 3/4"NPT	1/2"NPT OR 3/4"NPT	1/2"NPT OR 3/4"NPT	1/2"NPT OR 3/4"NPT
Material of Construction	SS 304	SS 304	SS 304	SS 304	SS 304
SUITABLE K-FACTOR	5.6 & 8	5.6 & 8	5.6 & 8	5.6 & 8	5.6 & 8



## ALARM CHECK VALVE

- Nominal Size :- 80, 100, 150 NB
- Cast Iron Construction
- Maximum Service Pressure 12.5 kg/cm.sq (175 psi)
- End Connection : Flanged X Flanged
- Variable Pressure Trim With Motor Gong
- Mounitng : Vertical



## DELUGE VALVE

- Nominal Size :- 80, 100, 150NB
- Maximum Service Pressure :- 17.6 kg/cm.sq
- End Connection :- Flange X Flange
- Thread Connection :- BSP
- Mounting :- Horizontal
- Flange Connection :- ANSI B16.5 #150
- Trim :- Galvanized & Stainless Steel fittings with Brass Valves
- Factory Hydrostatic Test Pressure :- 35 kg/cm.sq (500 psi)
- Finish :- Fire Red





## WATER MONITOR IS:8442

### WATER MONITOR IS:8442

#### TECHNICAL SPECIFICATION

- SIZE OF MONITOR : 63mm
- SIZE OF INLET FLANGE : 80mm
- OUTER DIA. : 200 mm
- BOLT CIRCLE DIA. : 160 mm
- BOLT HOLE DIA. : 19mm
- NO. OF HOLES : 04
- MATERIAL OF HANDLE : MILD STEEL
- MATERIAL OF BRANCH PIPE : ALUMINIUM/ STAINLESS STEEL
- MATERIAL OF NUT : GUN METAL / STAINLESS STEEL
- MATERIAL OF BEARING : STAINLESS STEEL
- MATERIAL OF AIRPOK : GUN METAL / STAINLESS STEEL
- MATERIAL OF NOZZLE : STAINLESS STEEL
- CONFIRMING SPECIFICATION : IS: 8442



#### PERFORMANCE TEST

- Operative Test : Tested at 7 kg/cm<sup>2</sup> at an angle of 30
- Discharge Capacity : 1750 l/min
- Horizontal Throw : 53m
- Documentation : Test Certificate

#### WARRANTY

- 12 Months from the date of supply.

## AQUA FOAM MONITORS

- Ideal for Fixed Installation
- Flanged Inlet – Dimensions as per Requirement
- Design that ensures ease of operation and maintenance
- Made out of Carbon Steel heavy duty seamless pipe, hot dip galvanized for Corrosion Resistance





## Low Expansion foam Branch



- Designed to perform well with all types of foam
- Control Valve optionally available
- Available in Straight / Dome pattern

## Aqua Foam Nozzle with Teeth



- Self Inducting, Non aspirating type
- Spray angle upto 160 degrees
- Induction 3% preset
- Maximum working pressure 10 bar

## FIREMAN AXE

### SPECIFICATION

Material: Axe Made From Forged Carbon Steel.  
 Performance: Withstands 20000 Volts  
 Weight: Approx 1.2 Kg

### FEATURES

Fire Man Axe Insulated with rubber grip as per IS:926  
 Tested for 11 KV  
 Used in emergency to cut live cables and to break open doors and glass panels etc.



## ORIFICE PLATE

### SPECIFICATION

Application: To Reduce Pressure In Landing Valve  
 Material: SS-304  
 OD Size: 139 mm , 157mm  
 ID Size: 50 mm , 60 mm  
 Thickness: 6mm





## TRIPLE PURPOSE NOZZLE

### SPECIFICATION

**Type :** Jet/Spray/Shut Off  
**Material :** Stainless Steel IS: 3444  
**Inlet :** 63mm / 2.5 Inch Male Inlet  
**Outlet :** Jet/Spray/Shut Off / 20mm Nozzle Tip  
**Flow:** 900 LPM At 7Bar Inlet Pressure  
**Hydrostatic Pressure Test :** Tested At 21 kgf/cm<sup>2</sup>

### FEATURES

Triple Purpose/Universal Manufactured In  
 According With IS:2871 Standard  
 Nozzle Comes With hollow Jet, Protective Spray And Complete Shut Off  
 Discharge Pattern  
 Nozzles Are Manufactured With 63mm Male Inlet  
 Available In Both Gun Metal And Stainless Steel  
 Polish Or Chrome Finish As Required.



## REVOLVING NOZZLE

### SPECIFICATION

**Type :** Create 3-Dimensional Spray  
**Material :** Gun Metal IS:318 LTB -2  
 Chrome Plated  
**Inlet :** 63mm/2.5 inch Male  
 Instantaneous  
**Outlet :** Revolving Head  
**Flow :** 500 LPM at 7 Bar Inlet Pressure  
**Hydrostatic Pressure Test :** Tested at 22 Kgf/cm<sup>2</sup>

### FEATURES

Revolving Nozzle manufactured in  
 accordance with IS:906 Standard  
 Nozzle create a 3-dimensional spray,  
 resulting in excellent cooling mainly  
 used for roof storage tanks  
 Nozzle comes with Solid jet or fog or  
 complete shut of discharge pattern  
 Nozzle is supplied in Gun Metal  
 Chrome finish





### CONSTANT FLOW NOZZLE



### SELECT O FLOW NOZZLE



#### FEATURES

- Light Alloy Hard Anodized Construction
- Long Range Jet And Foge Pattern
- Special Design For Low Back Thrust
- Light Alloy Hard Anodized Construction
- Stainless Steel Ball Shut off Handle To Work
- Smoothly At Extreme Pressure Range
- Anti-Slip Finger Lock Pistol Grip

#### SPECIFICATION

<b>Body And Parts :</b>	Aluminum Alloy, Extruded, Hard Anodized.	<b>Discharge Pattern :</b>	Adjustable From Full Fog to Straight Stream (in Clockwise)
<b>Pistol Grip Handle :</b>	Rubber Moulded	<b>Discharge Range :</b>	35 mtrs
<b>Bumper :</b>	Rubber	<b>Flow Rate (Constant Flow) :</b>	150 to 600 LPM @ 7 Bar Calibrated Flow Rate As Per Requirement
<b>Inlet :</b>	63mm Male Instantaneous	<b>Flow Rate (Select 0 Flow) :</b>	200-250-350-475-600 LPM @ 7Bar Variable Flow Selection
<b>Test Pressure :</b>	21 Bar Working Pressure: 7 Bar		

## MAYURA/JUMBO CURTAIN NOZZLE



#### SPECIFICATION

<b>Type :</b>	Curtain Nozzle
<b>Inlet :</b>	2 1/2" Male Instantaneous
<b>Outlet :</b>	Mayur Curtain Spray(Horizontal 18 Mtrs, Vertical 8.5 Mtrs.)
<b>Operating Pressure :</b>	145 PSI Max.
<b>Finish :</b>	Post Office Red Color Plat And Polished Male Adaptor
<b>Flow :</b>	750 LMP @ 100 PSI

## DIVIDING AND COLLECTING

### DIVIDING BREECHING



#### SPECIFICATION

<b>Type :</b>	Dividing Breeching Confirming To IS:905
<b>Body :</b>	Gun Matel LTB - 2
<b>Inlet :</b>	1x 2.5 Inch Male Instantaneous To IS : 903
<b>Outlet :</b>	2x2 2.5 Inch Female Instantaneous To IS: 903
<b>Hydrostatic Work Pressure :</b>	10.5 Kg/cm....
<b>Test Pressure :</b>	Tested At 22.5 Kg/cm...

### COLLECTING BREECHING



#### SPECIFICATION

<b>Type :</b>	Dividing Breeching Confirming To IS:905
<b>Body :</b>	Gun Matel LTB - 2
<b>Inlet :</b>	1x 2.5 Inch Female Instantaneous To IS : 903
<b>Outlet :</b>	2x2 2.5 Inch Female Instantaneous To IS: 903
<b>Hydrostatic Work Pressure :</b>	10.5 Kg/cm....
<b>Test Pressure :</b>	Tested At 22.5 Kgf/cm...



# Socket Weld Fittings



**Full Coupling Socket Weld**

Size : 1"  
Material : A105



**Socket Weld x Threaded Coupling**

Size : 1" X 0.5" BSP THREAD  
Material : A105



**Tee Socket Weld X Threaded**

Size : 1" x 0.5" BSP Thread  
Material : A105



**90° Elbow Socket Weld**

Size : 2" inch, 1-1/2" inch  
1-1/4" inch , 1" inch  
Material : A105



**90° Elbow  
Socket Weld x Threaded**

Size: 1" x 0.5" BSP THREAD  
Material: A105



**Reducing Coupling Socket Weld**

Size: 1-1/4" X 1" inch , 1-1/2" X 1"inch , 1-1/2" X 1-1/4" inch ,  
2" X 1-1/2" inch , 2" X 1-1/4"inch , 2" X 1"inch

Material: A105



**Tee Socket Weld**

Size: 2" inch, 2" x 1-1/4" inch, 2" x 1"inch, 1-1/4" inch, 1-1/4" x 1" inch,  
1-1/2" inch , 1-1/2" x 1-1/4" inch, 1-1/2" x 1" inch, 1" inch

Material: A105



## GOVERNMENT SECTOR APPROVAL

Sr. No	APPROVAL BODY	CITY	STATE
1	PWD BHUBANESWAR	BHUBANESWAR	ODISHA
2	CPWD BHUBANESWAR	BHUBANESWAR	ODISHA
3	CPWD GUWAHATI	GUWAHATI	ASSAM
4	CPWD MUMBAI	MUMBAI	MAHARASHTRA
5	CPWD LUCKHNOW	LUCKNOW	UTTAR PRADESH
6	CPWD HYDERABAD	HYDERABAD	TELANGANA
7	CPWD CHANDIGARH	CHANDIGARH	CPWD CHANDIGARH
8	CPWD DEHRADUN	DEHRADUN	UTTARAKHAND
9	CPWD MADHYA PRADESH	BHOPAL	MADHYA PRADESH
10	CPWD GUJARAT	GANDHINAGAR	GUJARAT
11	CPWD TAMIL NADU	CHENNAI	TAMIL NADU
12	MADHYA PRADESH PWD	BHOPAL	MADHYA PRADESH
13	KERALA PWD	TRIVANDRUM	KERALA
14	UTTAR PRADESH PWD	LUCKNOW	UTTAR PRADESH
15	BRIHANMUMBAI MUNICIPAL CORPORATION	MUMBAI	MAHARASHTRA
16	MAHARASHTRA HOUSING AND AREA DEVELOPMENT AUTHORITY (MHADA)	MUMBAI	MAHARASHTRA
17	KITCO LIMITED (FORMERLY KERALA INDUSTRIAL & TECHNICAL CONSULTANCY ORGANIZATION) LTD	KOCHI	KERALA
18	UTTAR PRADESH RAJKIYA NIRMAN NIGAM LIMITED (UPRNNL)	LUCKNOW	UTTAR PRADESH
19	CITY AND INDUSTRIAL DEVELOPMENT CORPORATION OF MAHARASHTRA LIMITED (CIDCO)	MUMBAI	MAHARASHTRA
20	ROADS AND BUILDING DEPARTMENT (GOVT. OF ANDHRA PRADESH)	VIJAYAWADA	ANDHRA PRADESH
21	INDIAN RAILWAYS EPS	MUMBAI	MAHARASHTRA
22	BULLET HIGHSPEED TRAIN (MUMBAI TO AHMEDABAD) GUJCOST	GUJARAT/MAHARASHTRA	GUJARAT/MAHARASHTRA



BUREAU VERITAS

Bureau Veritas Certification

# ARMOR STEEL INDUSTRIES PRIVATE LIMITED



PLOT NO. 43/44/45, JK DIAMOND IND. AREA, B/H MADUVAN RESTAURANT, VILLAGE LOTHDA, RAJKOT-KOTDASANGANI STATE HIGHWAY (GUJ), GUJARAT – 360 022, INDIA.

Bureau Veritas Certification Holding SAS – UK Branch certifies that the Management System of the above organisation has been audited and found to be in accordance with the requirements of the Management System Standard detailed below.

Standard

## ISO 9001:2015

Scope of certification

### MANUFACTURING AND DISPATCH OF HYDRANT VALVES, NOZZLES & COUPLING FOR FIRE FIGHTING SYSTEMS

Original cycle start date: **26 September 2023**  
Expiry date of previous cycle: **Not Applicable**  
Certification Audit date: **28 August 2023**  
Certification cycle start date: **26 September 2023**

Subject to the continued satisfactory operation of the organisation's Management System, this certificate is valid until: **25 September 2026**

Certificate No. **IND.23.5277/QM/U**    Version: **2**    Issue date: **18 September 2024**

Signed on behalf of BVCH SAS UK Branch  
**Jagdheesh N. MANIAN**  
Director – CERTIFICATION, South Asia  
Commodities, Industry & Facilities Division

For certificate authenticity, click here  
<https://certcheck.ukas.com/>

ISO 9001    IN048162



Certification body address: 5th Floor, 66 Prescot Street, London, E1 8HG, United Kingdom.

Local office: Bureau Veritas (India) Private Limited (Certification Business)  
72 Business Park, Marol Industrial Area, MIDC Cross Road "C",  
Andheri (East), Mumbai – 400 093, India.

Further clarifications regarding the scope of this certificate and the applicability of the management system requirements may be obtained by consulting the organisation.  
To check this certificate validity please call + 91 22 6274 2000.





# Certificate of Compliance

This is to certify that the technical documentation for the product:

**Landing Valve, Hose Coupling, Hose Pipe and Fire Fighting Equipments.**

Manufactured by:

**ARMOR STEEL INDUSTRIES PRIVATE LIMITED**

Survey No. 123/P2, Plot No. 43 to 45/3, J. K. Diamond Industrial Area, B/H Madhuvan Restaurant,  
AT: Lothda, District Rajkot - 360002 (Gujarat), India.

Complies with the requirements (technical documentation including inspection & test results) of **Pressure Equipment Directive 97/23/EC** Hence manufacturer's declaration of conformity according to above regulation is accepted. **ARMOR STEEL INDUSTRIES PRIVATE LIMITED** can place the CE marking as per laid down regulations on the products mentioned above.

**Certificaat Nummer / Certificate No. : RSBV-2307-6443**

Datum Van Publicatie / Date of Issue : 18/07/2023  
Vervaldatum / Date of Expiry : 17/07/2026  
Previous Certificate No.: CE-BV-2007-2926

  
**Director (Certification)**

**Royal Stancert B.V.**  
Feitelijke Beoordelingen - Wereldwijde Beoordelingen

Regd. Office - Joop Geesinkweg 701, 1114 AB Amsterdam, The Netherlands.  
(KvK-Nummer 71431802 / RSIN 858713159 - Rechtsvorm - Besloten Vennootschap).

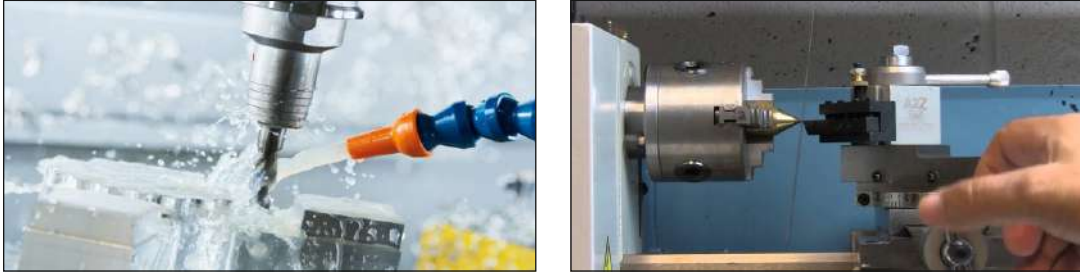
This certificate remains the property of **Royal Stancert B.V.** and must be returned whenever demanded. The validity of this certificate can be verified at <http://www.royalstancert.org>. **Royal Stancert B.V.** is an independent system, product and personal assessment body accredited by Global Euro Accreditation Centre, Georgia. (GCIN - 654). Email: [info@royalstancert.org](mailto:info@royalstancert.org)



PAC-GEAC-1506-299



### List of Machinery & Testing Facilities



Most advanced Manufacturing & Quality Control Systems

### List of Machinery Installed

Sr. No	DESCRIPTION	SIZE Centre x Bed Width x Length	Qty Nos.
1	CNC Machine - 200/300	Medium Duty	15 Nos.
2	CNC Machine - 300/500	Heavy Duty	10 Nos.
3	Lathe Machine	Heavy Duty	20 Nos.
	Lathe Machine	Medium Duty	6 Nos.
4	Pillar Drill Machine	25 mm (Drilling Capacity)	3 Nos.
5	Bench Grinder	300 mm	10 Nos.
6	Mitutoyo Caliper	300 mm	5 Nos.
7	Mitutoyo Insize	-	4 Nos.
8	Hand Grinder	8"	6 Nos.
9	HYD. Testing Pump	100 Kg Pressure	2 Nos.
10	Welding / Argon Machine	600 Amp.	3 Nos.
11	Hydraulic Trolley	1 TON,	1 Set
12	Hand Operated Trolley	500 Kg	4 Sets
13	Foundry	350 Kg & 100 Kg	2 Nos.
14	Plasma Cutter	Heavy	1 Set
15	Spectro Machine Hitachi	-	1 Set
16	Permeability Tester	-	1 Set
17	Sand Washer	-	1 Set
18	Sand Siever	-	1 Set
19	Muffle Furnace	-	1 Set
20	Core Hardness Tester	-	1 Set
21	Polishing Machine	Heavy Duty	12 Set
22	Sand Core Shooter	Heavy Duty	4 Sets
23	Shot Blasting Machine	Heavy Duty	1 Set
24	Powder Coating Plant	-	1 Set
25	Pin Dot Marking	-	2 Sets
26	Laser Marking	-	1 Set
27	Air Screw Compressor	-	3 Sets

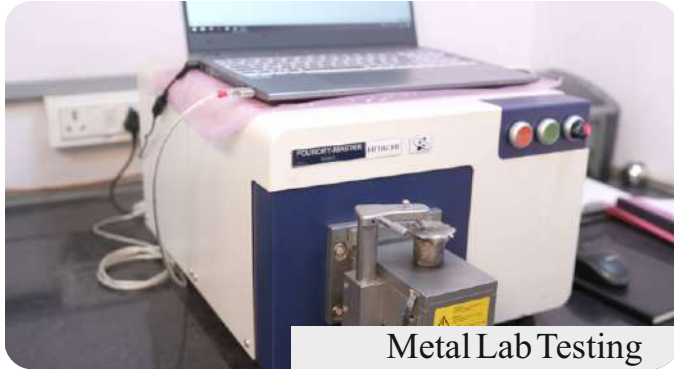
# Company visit at a Glance



Core Department



Moulding Department



Metal Lab Testing



Foundry Department



Fettling Department



Semi-Finishing Department



Hydro Testing Department



Quality Control Room



Flexible Pipe Testing



Dot Marking



Finishing Department



Final Finishing Department



Powder Coating Department



Assembly & Dispatch Department



Dispatch Department



R.R.L. Binding

## Foundry Unit

### Production Capacity :

#### Steel Foundry :

After Second World war birth of **No Back Alfa Set Casting** process came into existence. which provides finest Quality aspect. We have the capacity of 1500 Tones/Year.

Quality assurance is ensured by a written assurance program that include the following testing and inspection procedure

### Materials :

#### Stainless Steel

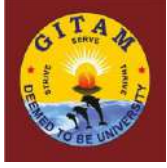
(High and Low temp, service)

CF8, CF8M, CF3, CF3M, CF8C,  
COPPER ALLOY, GUN METAL, ALUMINUM





# Major Clientele





# GOVERNMENT SECTOR APPROVAL & SUPPLY



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# ARMORFIRE®

*Shield of Quality*



## ARMOR STEEL INDUSTRIES PRIVATE LIMITED

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