16 YEARS
OF EXPERIENCE

IS : 5290
TYPE-A/B
CM/L : 7600187314

IS : 13095
CM/L-7600179913

IS : 903
CM/L : 7600187213

IS : 636
CM/L : 8800179321

IS : 884
CM/L : 7600185916

IS : 8442
CM/L : 7600217911

ARMOR©
FIRE

SHIELD OF QUALITY

BUREAU VERITAS

CE 236460

QCI

FSAI

GeM Government e Marketplace

THE INSTITUTE OF INDIAN FOUNDRYMEN

fpai

COMPLETE
FIRE PROTECTION
SOLUTIONS



INDIA'S LARGEST INHOUSE MANUFACTURING COMPANY


ARMOR©
FIRE
SHIELD OF QUALITY
OUR PRESENCE
JAMMU & KASHMIR
HIMACHAL PRADESH
PUNJAB
UTTARAKHAND
HARYANA
DELHI
UTTAR PRADESH
RAJASTHAN
SIKKIM
ARUNACHAL PRADESH
ASSAM
NAGALAND
BIHAR
MEGHALAYA
MANIPUR
TRIPURA
MIZORAM
JHARKHAND
WEST BENGAL
GUJARAT
MADHYA PRADESH
CHATTISGARH
ODISHA
MAHARASHTRA
TELANGANA
GOA
KARNATAKA
ANDHRA PRADESH
TAMILNADU
KERALA
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.

ARMORFIRE 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 VALUE :



Morality & Responsibility :

Given By **ARMORFIRE**
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 ARMORFIRE, 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, **ARMORFIRE** we stand strong - Protecting what matters, and serving our customers with dedication and honor.



Never Ending Growth with "ArmorFire" :

We believe in evolving every day - personally, professionally, and technologicaly. 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 **ARMORFIRE**,
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 ArmorFire :

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 **ARMORFIRE.**

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-acres State-of-the-art campus will be a beacon of excellence, Featuring :
  - Advanced Manufacturing Units
  - World-class Training academies
  - Cutting-edge R&D laboratories
  - Cutting-edge R&D laboratories
- 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 services.
- Our products will be exported to over 60 countries, establishing ArmorFire 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.

A Thriving workforce of 2000+

- Our team will include 2000+ passionate professionals-engineers, innovators, safety experts and visionary and advisors.
- We will recruit top talent from India's premier institutions like the IIMs and IITs. as well as leading Institutions Worldwide.
- Our inhouse leadership development programs will nurture future-ready professionals.
- Employee achievements will be celebrated with international trips and recognition programs.

Market Leadership & Recognition

- ArmorFire 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+ distributor across india and Abroad, ensuring unmatched reach and service.

- Certified Excellence with
  - ↳ ISO
  - ↳ BIS
  - ↳ CE
- We will grow up with
  - ↳ UL
  - ↳ LPCB
  - ↳ FM, etc.

Social Responsibility

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



OUR PRODUCT FAMILY

ARMOR FIRE
SHIELD OF QUALITY

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SINGLE HYDRANT VALVE

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DOUBLE HYDRANT VALVE

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THREADED TYPE HYDRANT VALVE

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PRESSURE REDUCING HYDRANT VALVE

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SPRINKLER ROSETTE PLATE

ISI PRODUCT



IS :5290

CM/L : 7600187314

SINGLE HYDRANT VALVE

TECHNICAL SPECIFICATION

Size of Landing Valve	:	63mm
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 25 kg/cm² for 2½ minute.
Water Tightness (Seat Body)	:	Tested at 14 kg/cm²
Flow Test	:	(Type-A) 900LPM discharge at 7 kg/cm²
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 8.5 kg Approx.



DOUBLE HYDRANT VALVE

TECHNICAL SPECIFICATION

Size of Landing Valve	:	63mm
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/cm² for 2½ minute.
Water Tightness (Seat Body)	:	Tested at 14 kg/cm²
Flow Test	:	(Type-B) 1800LPM discharge at 7 kg/cm²
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 17.1 kg Approx.

TWO WAY HYDRANT STAND POST



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

ISI PRODUCT

IS :636

Type 1 & 3
CM/L : 8800179321



TYPE - 1



TYPE - 3

ARMOR FIRE RRL HOSE

Hose	: ArmorFire 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 with suitable rubber compound which gives Flexibility, Durability&Better Resistance. IS : 636/2018 TYPE-3, ISI Marked 63mm.
Standard Length	: 7.5mtrs / 15mtrs / 22.5 mtrs / 30 mtrs
Documentation	: Test & Guarantee Certificate
End Connection	: Male Female Coupling S.S. / 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



IS : 903

CM/I : 7600187213

S.S. MALE-FEMALE COUPLING

TECHNICAL SPECIFICATION

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

PERFORMANCE TEST

Hydrostatic Test (Body Test)	:	Tested at 21 kg/cm²
	:	for 2½ minute.
Documentation	:	Test & Guarantee Certificate

WARRANTY

12 Months from the date of supply.

Weight 2.6 kg Approx.



IS : 903

CM/I : 7600187213

S.S. BRANCH PIPE WITH NOZZLE

TECHNICAL SPECIFICATION

Size	:	63 mm
Size of Nozzle	:	6 mm, 12 mm, 16 mm, 20 mm, 25 mm
Material	:	Stainless Steel / Gun Metal / Aluminum
Conforming Specification	:	IS : 903

PERFORMANCE TEST

Hydrostatic Test (Body Test)	:	Tested at 21 kg/cm²
	:	for 2½ minute.
Working Pressure	:	1 kg/cm²
Documentation	:	Test & Guarantee Certificate

WARRANTY

12 Months from the date of supply.

Weight 2.2 kg Approx.



SINGLE DOOR FIRE HOSE BOX

Capacity	: Suitable for Storing one nos 7.5 mtrs or 15/30 mtrs hose and one Nozzle.
Features	: Light Weight & Weather proof wall Mounted / Self Standing
Coating	: Finished with Post Ofiice Red Color
Thickness	: 18 SWG
Lock	: Mechanical Key Lock
Keybox & 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 mtrs or 15/30 mtrs hose and one Nozzle.
Features	: Light Weight & Weather proof wall Mounted / Self Standing
Coating	: Finished with Post Ofiice Red Color / Luminous Yellow Color
Thickness	: 18 SWG
Lock	: Mechanical Key Lock
Keybox & Handle	: Provided
Wall Mounting Bracket	: Provided
Glass	: Acrylic Fitted with rubber beading for Transparency on Both Door.



HOSE REEL DRUM

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 : 30 Mtr. , 36 Mtr. , 40 Mtr.

REGULAR TYPE HOSE REEL DRUM

FEATURES

- Strong and Durable, Premium, Corrosion Resistance, Leakage Resistance, Reduce Hose Wearl.

GENERAL DATA

Make	:	ARMORFIRE
Size / Model	:	HOSE REEL (Swinging Type)
Inlet	:	3/4" MBSP Threraded Connection.
Outlet	:	Hose Fitted with Stainless Steel & Brass shut-off Nozzle. (Jet/Spray type Optional)

WARRANTY

12 Months warranty from the date of supply.

PERFORMANCE TEST

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

FINISH

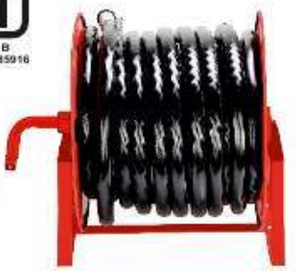
Plates perfectly Shaped
Powder coated fire
Red color as pe IS:5,
Shade no : 536

IS : 884

Type A & B
CM/l : 7600185916



ISI HOSE REEL DRUM TYPE - A



ISI HOSE REEL DRUM TYPE - B



MALAYSIAN TYPE HOSE REEL DRUM

MALAYSIAN TYPE HOSE REEL DRUM

FEATURES

- Strong and Durable, Premium, Corrosion Resistance, Leakage Resistance, Reduce Hose Wear.

GENERAL DATA

Make	:	ARMORFIRE
Size / Model	:	HOSE REEL (Swinging Type)
Inlet	:	1" MBSP Threraded Connection.
Outlet	:	Hose Fitted with Stainless Steel & Brass shut-off Nozzle. (Jet/Spray type Optional)

WARRANTY

12 Months warranty from the date of supply.

PERFORMANCE TEST

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

FINISH

Plates perfectly Shaped
Powder coated fire
Red color as pe IS:5,
Shade no : 536



CARBON DIOXIDE
PORTABLE
FIRE EXTINGUISHERS

Applicable on fires involving



TECHNICAL SPECIFICATION

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

IS : 15683

ABC POWDER PORTABLE FIRE EXTINGUISHERS



ABC POWDER PORTABLE
AUTOMATIC 5KG & 10KG



TECHNICAL SPECIFICATION

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



INLET VALVES



TWO WAY INLET

(1) Non Return Valve	: Stainless Steel
(2) Flanged Size	: #P.C.D. - 180mm, O.D. - 220mm, I.D. - 100mm
(3) No. of hole	: #08 nos. Dia of hole: #19mm.

Weight 10.4 kg Approx.

THREE WAY INLET

(1) Non Return Valve	: Stainless Steel
(2) Flanged Size	: #P.C.D. - 180mm, O.D. - 220mm, I.D. - 100mm
(3) No. of hole	: #08 nos. Dia of hole: #19mm.

Weight 14.9 kg Approx.





FOUR WAY INLET

(1) Non Return Valve	: Stainless Steel
(2) Flanged Size	: #P.C.D. - 280mm, O.D. - 280mm, I.D. - 150mm
(3) No. of hole	: #08 nos. Dia of hole: #19mm.

Weight 23 kg Approx.

WAFER TYPE BUTTERFLY VALVE

IS : 13095

CM/l : 7600179913



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

SPECIFICATION

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 Flanged ANSI B 16.5 Class 150#
- **Operation**
  Lever Operated / Gear Operated



NON RETURN VALVE (NRV)



DN 80 DN 100 DN 150

SPECIFICATION

Component	Material
Body	: Cast Iron, SS 210
Disc	: CF 8
Shaft	: SS 304
Seat	: EPDM RUBBER LINING
Sizes	: 80mm, 100mm, 150mm
Pressure nominal	: PN 20, PN 60

DUAL PLATE (NRV)



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

SPECIFICATION

Component	Material
Body	: Cast Iron, SS 210
Disc	: CF 8
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



DN 50 DN 65 DN 80 DN 100 DN 125 DN 150 DN 200 DN 250

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.	LOACTING RING	BRASS
8.	O RING	EPDM
9.	BOLTS	STAINLESS STELL 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.	PART	MATERIAL
1.	NOMINAL DIA	DN 50 - DN 300
2.	NOMINAL PRESSURE	PN 16
3.	VALVE DESIGN STANDARD	BS5163
4.	FACE TO FACE STANDARD	EN558 & ISO5752 SERIES - 3
5.	SHELL TEST	PN 24
6.	SEALING TEST	PN 17.6
7.	WORKING TEMP. (MAX)	120°C

Y-STAINER - TYPE#150



DN 25 DN 40 DN 50 DN 65 DN 80 DN 100 DN 125 DN 150 DN 200

PARAMETER	TECHNICAL SPECIFICATION
VALVE TYPE	Y-TYPE STAINER 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
SIZE RANGE : 25,40,50,65,80,100,125,150,200 (ALL DIM. IN mm)	

COMPONENT	MOC
BODY	CAST IRON
COVER	CAST IRON
MESH	SS 304
GASKET	CAF
FASTNERS	MS

AUTOMATIC SPRINKLERS

STANDARD SPRAY SPRINKLER

EX27834

UPRIGHT



PENDENT



HORIZONTAL SIDEWALL



PHYSICAL CHARACTERISTICS

FRAME	:	Bronze
BUTTON	:	Brass / Copper
BULB	:	Glass
COMPRESSION	:	
SCREW	:	Bronze
DEFLECTOR	:	Copper
SEALING	:	Nickle Alloy w / Teflon or
ASSEMBLY	:	NBR O-ring

Maximum Working Pressure
175PSI (12,1 bar)

TECHNICAL SPECIFICATION

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, 5 mm

OTHER SPRINKLERS

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-Factory 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

SPRINKLER ACCESSORIES



TEST & DRAIN VALVE



ALARM GONG BELL



WATER CURTAIN NOZZLE



SPRINKLER ROSETTE PLATE



HIGH VELOCITY 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

WET ALARM CHECK VALVE

- Nominal Size : 80, 100, 150 NB
- Cast Iron Construction
- Maximum Service Pressure 12.5 kg/cm² (175 psi)
- End Connection : Flanged X Flanged
- Variable Pressure Trim with Motor Gong
- Mounting : Vertical



DELUGE VALVE

- Nominal Size : 80, 100, 150 NB
- Maximum Service Pressure : 71.6 kg/cm²
- End Connection : Flange X Flanged
- Thread Connection : BSP
- Mounting : Horizontal
- Flanged Connection : ANSI B 16.5 #150
- Trim : Galvanized & Stainless Steel fitting with Brass Valves
- Factory Hydrostatic Test Pressure : 35 kg/cm² (500 psi)
- Finish : Fire Red



WATER MONITOR - IS : 8442

TECHNICAL SPECIFICATION

IS : 8442

CM/l : 7600217911

SIZE OF MONITOR	:	63 mm
SIZE OF INLET FLANGE	:	80 mm
OUTER DIA.	:	200 mm
BOLT CIRCLE DIA.	:	160 mm
BOLT HOLE DIA.	:	19 mm
NO. OF HOLES	:	04
MATERIAL OF HANDLE	:	MILD STEEL
MATERIAL OF BRANCH PIPE	:	ALUMINUM / 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 7kg/cm² AT AN ANGLE OF 30
DISCHARGE CAPACITY	:	1750 1/min
HORIZONTAL THROW	:	53 mtr.
DOCUMENTATION	:	TEST CERTIFICATE

WARRANTY

- 12 MONTHS FROM THE DATE OF SUPPLY

AQUA FOAM MONITOR



- 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

WATER CUM FOAM MONITOR
WITH ASPIRATING FOAM BARREL

TECHNICAL SPECIFICATION

PARAMETER	SPECIFICATION
PRODUCT NAME	WATER MONITOR WITH FOAM BARREL
TYPE	STAND POST TYPE, MANUALLY OPERATED
NOMINAL INLET SIZE	63 mm
RATED FLOW CAPACITY	1750 LPM
WORKING PRESSURE	7kgf/cm² (approx.)
MONITOR BODY MATERIAL	CARBON STEEL / SEAMLESS STEEL TUBE
FOAM BARREL	AIR ASPIRATING TYPE
HORIZONTAL ROTATION	360°
VERTICAL MOVEMENT	UPWARD 80° / DOWNWARD 45°
HORIZONTAL THROW RANGE	UP TO 53 Mtr.
MOUNTING	FLANGED BASE
OPERATION	MANUALLY
FINISH	CORROSION RESISTANT, RED PAINTED FINISH
APPLICATION	WATER / FOAM FIREFIGHTING SYSTEM
STANDARD	IS : 8442



WATER CUM FOAM MONITOR (HVLR)

TECHNICAL SPECIFICATION

PRODUCT NAME	Water Cum Foam Monitor (HVLR)
TYPE	High Volume long Range (HVLR)
INLET SIZE	100mm
FLOW CAPACITY	3500 LPM
WORKING PRESSURE	0.7 N/mm²
OPERATION	Manual Gear operated hand wheel
HORIZONTAL ROTATION	360°
HORIZONTAL THROW RANGE	Up to 64 mtr
DISCHARGE MEDIA	Water / Foam
NOZZLE TYPE	Adjustable HVLR Nozzle (SS 304)
FOAM INDUCTION	Self-induting / Pick-up Tube
MOUNTING	Flanged Base
BODY MATERIAL	Stainless Steel (SS 304)
FINISH	Corrosion Resistant Red Painted / Powder Coated
APPLICATION	Refineries, Tank Farms, Petrochemical Plants, Oil & Gas Industries and High-Hazard Areas





ADJUSTABLE HVLR NOZZLE

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 : 10Bar

FIREMAN AXE

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

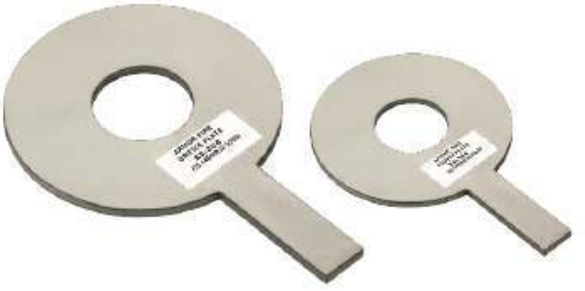
FEATURES

- 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^2



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	: Hydrostatic
Pressure Test	: Tested at 22kgf/cm^2

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 patterb
- Nozzle Is Supplied in Gun Metal Chrome Finish.

CONSTANT FLOW NOZZLE



SELECT 0 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

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



MAYURA/JAMBO CURTAIN NOZZLE

SPECIFICATION

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

DIVIDING AND COLLECTING BREECHING

DIVIDING BREECHING



SPECIFICATION

Type	Dividing Breeching Confirming to IS:905
Body	Gun Metal LTB - 2
Inlet	1 x 2.5 Inch Male Instantaneous To IS : 903
Outlet	2x2 2.5 Inch Female
Hydrostatic	Instantaneous to IS:903
Work Pressure	10.5 kg/cm²
Test Pressure	Tested at kg/cm²

COLLECTING BREECHING



SPECIFICATION

Type	Collecting Breeching Confirming to IS : 905
Body	Gun Metal LTB-2
Inlet	1x2.5 Inch Female Instantaneous To IS : 903
Outlet	2x2 2.5 Inch Female
Hydrostatic	Instantaneous To IS : 903
Work Pressure	10.5 kg/cm²
Test Pressure	Tested at kg/cm²

SOCKET WELD FITTINGS



Full Coupling Socket Weld
Size : 1" X 0.5" BSP THREAD
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 : 1" X 0.5" BSP THREAD
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" x1" 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	ODISHA
2	CPWD	BHUBANESWAR	ODISHA
3	CPWD	GUWAHATI	ASSAM
4	CPWD	MUMBAI	MAHARASHTRA
5	CPWD	LUCKNOW	UTTAR PRADESH
6	CPWD	HYDERABAD	TELANGANA
7	CPWD	CHANDIGARH	CPWD CHANDIGARH
8	CPWD	DEHRADUN	UTTARAKHAND
9	CPWD	BHOPAL	MADHYA PRADESH
10	CPWD	GANDHINAGAR	GUJARAT
11	CPWD	CHENNAI	TAMIL NADU
12	PWD	BHOPAL	MADHYA PRADESH
13	PWD	TRIVANDRUM	KERALA
14	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

Certificateof Compliance

Thisistocertifythatthetechnicaldocumentationfortheproduct:

Landing Valve,HoseCoupling,HosePipeandFir eFightingEquipments.

Manufacturedby:

ARMOR STEEL INDUSTRIES PRIVATE LIMITED

SurveyN o.12 3/P2,Plo tNo. 43to 45/3 ,J.K .Dia mondIndu strial Area,B/H Mad huvanRe staurant, AT:Lot hda, DistrictR ajkot-36 0002(Guj arat),Ind ia

Complieswiththerequirements (technicaldocumentationincludinginspection&testresults)of **PressureEquipmentDir ective97/23/EC** Hence manufacturer`s declaration of conformity according to aboveregulationisaccepted. **ARMORSTEEL INDUSTRIESPRIV ATELIMITED** canplace the CE marking as per laid down regulations ontheproducts mentionedabove.

CertificateNo.:RSBV -2607-10450

DateofInitialCertificateIssue:18/07/2023

Datum VanPublicatie/DateofIssue:27/07/2026
Vervaldatum / Date of Expiry : 26/07/2029

Director(Certification)

RoyalSt ancertB. V.
FeitelijkeB eoordelingen- We reldwijdeB eoordelingen

Regd. Office - Joop Geesinkweg 701, 1114 AB Amsterdam. The Netherlands. *(KvK-Nummer71431802/RSIN858713159- Rechtsvorm-BeslotenV ennootschap).*

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CE
236460

PAC-GEAC-1506-299

List of Machinery & Testing Facilities





List of Machinery Installed

SR. NO.	DESCRIPTION	SIZE CENTRE x BED 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.
5	Lathe Machine	Medium Duty	6 Nos.
6	Pillar Drill Machine	25 mm (Drilling Capacity)	3 Nos.
7	Bench Grinder	300 mm	10 Nos.
8	Mitutoyo Caliper	300 mm	5 Nos.
9	Mitutoyo Insize	-	4 Nos.
10	Hand Grinder	8"	6 Nos.
11	HYD. Testing Pump	100 Kg Pressure	2 Nos.
12	Welding / Argon machine	600 Amp	3 Nos.
13	Hydraulic Trolley	1 TON,	1 Set
14	Hand operated Trolley	500 Kg	4 Sets
15	Foundry	350 Kg & 100 Kg	2 Nos.
16	Plasma Cutter	Heavy	1 Set
17	Spectro Machine Hitachi	-	1 Set
18	Permeability Tester	-	1 Set
19	Sand Washer	-	1 Set
20	Sand Siever	-	1 Set
21	Muffle Furnace	-	1 Set
22	Core Hardness Tester	-	1 Set
23	Polishing Machine	Heavy Duty	12 Set
24	Sand Core Shooter	Heavy Duty	4 Sets
25	Shot Blasting Machine	Heavy Duty	1 Set
26	Powder Coating Plant	-	1 Set
27	Pin Dot Marking	-	2 Sets
28	Laser Marking	-	1 Set
29	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


RRL 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.

Materials :

Stainless Steel

(High and Low temp, service)

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

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



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Reliance MALL

TATA REALTY AND INFRASTRUCTURE LIMITED

BAPS

IndianOil

एनटीपीसी NTPC A Maharatna Company

NHSRCL

CPWD All India Approval

Register Vendor

ओएनजीसी ONGC

VIZAG STEEL Pride of Steel

इसरो ISRO

adani Gas

GAIL

Approval By BMC

PENTAGON

Bharat Petroleum

MAHAGENCO Maharashtra State Power Generation Co. Ltd.

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