

# FIRE PROTECTION SYSTEM

**WE ENSURE YOUR SAFETY FROM FIRE RISKS**



*Fire is a good servant But bad master, So manage it tactfully and strongly.*



**WE ENSURE YOUR SAFETY FROM FIRE RISKS**



# Asgar Trading

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More than of 40 Years of Experience in Bangladesh market.

**ASGAR TRADING** was established in the early of independent Bangladesh, Over the years developed into what it is today, a large-scale enterprise group with advanced products and technology ,equipment and strong comprehensive strength, known for its complete range of products ,large stocking capacity, high quality approved by ,EC, ISO-9001 ISO-14001, SGS, UL/FM, NFS, BSI, DVGW, JIS ,GB, VDS, ABNT,API, ASTM and so on. The products we represents here from POLAND, GERMANY, UK,USA, JAPAN, ITALY, SINGAPORE, INDONESIA, MALAYSIA, CHINA, KOREA, VIETNAM, INDIA and also from Bangladesh.

The Company owns altogether one main trading firm and 8 branch enterprises, The company is the largest stockiest, importer and supplier in Bangladesh with the most complete range of products, supplying of Steel Pipes, G.i Pipes, Hydrant Valves, Steam Boilers, Gas line valves, pumps, butt welded fittings, malleable iron pipe fittings, gas regulators, meters and stainless steel pipes, and fittings, grooved fittings etc.

Over the years **ASGAR TRADING** has been a trusted name in piping solutions by offering high quality products, service and support to make enrich to industrial sector of Bangladesh continuously.

We provide expertise andproduct solutions for a wide range of applications, plumbing, mechanical, industrial ,air conditioning, refrigeration, oil, gas, fire protection, equipment and power system, steam boilers, chiller , power plant and garments-textile -dying sectors in Bangladesh.

As a leader in this sector, the company attaches a great importance to environmental protection, energy saving and emission-reduction, We prefer to take goods from those companies from all overthe world who recognizes from their own government to promote the technology exchange of environmental protection " Protection the environment" we emphasize on the motto.

Customer's satisfaction has always been the company's first priority, and we always believe in commitment and Quality rather than only delivering and selling.

#### Reliable Quality Assurance

From incoming raw materials to finish product, quality is checked and monitored in the whole process, each step of the manufacturing process in our suppliers factory carefully documented, regularly reviewed for revision control and updating standard. Quality procedures are constantly monitored and updated to assure the only the highest and most consistent quality products are supplied to our value added customers. It's our principle to bring the best products, and technology in Bangladesh to serve the best update services to our clients.

# WE ENSURE YOUR SAFETY FROM FIRE RISKS



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**Carbon Steel Seamless Pipe**



## Steel pipe

In accordance with UL852, FM1630 and NFPA13 Specification, TPMC supplies both seamless steel pipe and welded steel pipe used for Fire sprinkler systems and Fire hydrant systems.

### ASTM A106 Seamless steel pipe



- **Specification:** ASTM A106 / A106M, Grade B
- **End connection:** Rolled groove / Cut groove as AWWA C606  
Threaded NPT / BSPT  
Plain end
- **Surface:** Red painting (RAL 3000)  
Hot dip galvanized as ASTM A123
- **Hydrostatic:** ASTM A530
- **Working pressure:** 175PSI (1.21MPa) / 300 PSI (2.07MPa)
- **NDT Testing:** ASTM E309 Eddy current examination  
ASTM E570 Flux leakage examination  
ASTM E213 Ultrasonic testing

### UL Listed steel pipe



- **Certificate:** UL Listed / FM Approved
- **Specification:** ASTM A135 / A795 / A53 (seamless & ERW), Grade A / B
- **End connection:** Rolled groove / Cut groove as AWWA C606  
Threaded NPT / BSPT  
Plain end
- **Surface:** Red painting (RAL 3000)  
Hot dip galvanized as ASTM A123
- **NDT Testing:** ASTM E309 Eddy current examination  
ASTM E570 Flux leakage examination  
ASTM E213 Ultrasonic testing

### EN 10255 Welded steel pipe



- **Certificate:** FM Approved
- **Specification:** EN 10255, S 195 T
- **End connection:** Rolled groove / Cut groove as AWWA C606  
Threaded NPT / BSPT  
Plain end
- **Surface:** Red painting (RAL 3000)  
Hot dip galvanized as ISO1461
- **NDT Testing:** EN ISO 10893-2 Eddy current testing  
EN ISO 10893-3 Flux leakage testing  
EN ISO 10893-10 Ultrasonic testing

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## 无缝钢管/Seamless Steel Pipe

### 1. 标准及规格/Standard & Specification

标准/Standard: API 5L, API 5CT, ASTM A106, ASTM A53, GB/T8162, GB/T8163, GB/T5310, GB/T3087, GB18248

钢级/Steel Grade: GrA, GrB, X42-X72, Q345B, ST37, ST37.2, 10#, 20#, J55, K55, N80, L80, T95, C95, P110, Q125



**Available Sizes : 1/2" To 28"  
(Ready Stock) And Till 48"  
As per Order**

**Production plant of Seamless  
pipe (Our Supplier Factory  
China)**



**WE ENSURE YOUR SAFETY FROM FIRE RISKS**



**Carbon Steel  
Seamless Pipe**



Available Sizes: 1/2" To 28" (Ready Stock) And Till 48" As Per Order



**No Compromise on Quality. We believe in Quality, so, We make sure Quality of every piece of our goods, Pressure capability, Temperature, Thickness and Actual Weight We do Business on Actual weight not Theoretical Weight.. We don't be cheated, and also don't do with our Customer's.**



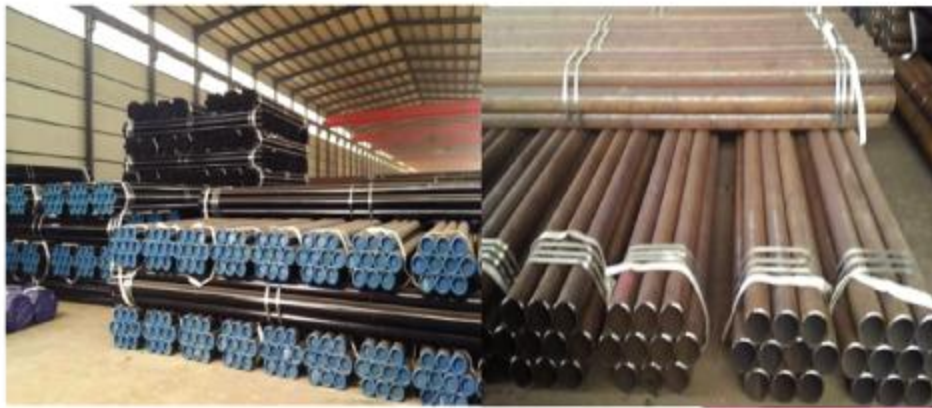
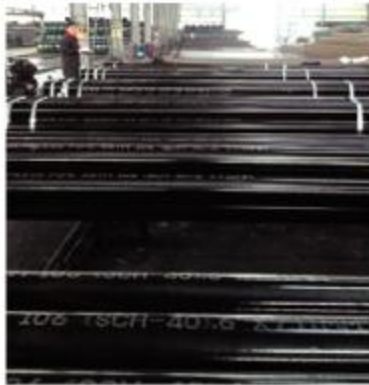
**WE ENSURE YOUR SAFETY FROM FIRE RISKS**



**Carbon Steel  
Seamless Pipe**



Available Sizes: 1/2" To 28" (Ready Stock) And Till As Per Order





**WE ENSURE YOUR SAFETY FROM FIRE RISKS**



**FIRE PROTECTION PRODUCTS**

**Regulating Systems**



**WE ENSURE YOUR SAFETY FROM FIRE RISKS**



**XBD-GDL**  
Vertical Multistage  
Fire Pump



**XBD-W**  
Horizontal Single - stage  
Fire Pump



**XBC-IS**  
Diesel Engine Fire Pump



**XBC-D**  
Diesel Engine Fire Pump

Calber : 15~500mm  
Flow: 1~1800m<sup>3</sup>/h  
Head: 2~150m  
Power: 0.18~160/6P kW  
Speed: 960~2900r/min  
Working Pressure: <<1.6Mpa  
Medium Tempreture : ISG<<60 C IRG<<99 C  
Material : HT200

**ISG/IRG Vertical Pipeline  
Centrifugal Pump**

Calber : 25~200mm  
Flow: 1~400m<sup>3</sup>/h  
Head: 2~150m  
Power: 0.18~160/6P kW  
Speed: 960~2900r/min  
Working Pressure: <<2.5Mpa  
Medium Tempreture : 40 C  
Material : HT200

**ISG/IRG Vertical Pipeline  
Centrifugal Pump**



**ISW / ISWR Horizontal  
Centrifugal Pump**

Calber : 15~500mm  
Flow: 1~1800m<sup>3</sup>/h  
Head: 2~150m  
Power: 0.18~160/6P kW  
Speed: 960~2900r/min  
Working Pressure: <<1.6Mpa  
Medium Tempreture : ISG<<60 C IRG<<99 C  
Material : HT200



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**ISWH Horizontal  
Chemical Pump**



**CDL Stainless Steel  
Multistage Centrifugal  
Pump**



Calber : 25~65mm  
Flow: 2~32m<sup>3</sup>/h  
Head: 15~200m  
Power: 0.37~30kW  
Speed: 2900r/min  
Working Pressure: 2.5MPa  
Medium Temperature : 99°C  
Material : 304

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Calber : 25~150mm  
Flow: 2~200m<sup>3</sup>/h  
Head: 30~200m  
Power: 1.1~132kW  
Speed: 2900r/min  
Working Pressure: 2.5MPa  
Medium Temperature : 99°C  
Material : HT200

**GDL Multistage Pipeline Pump**



Calber : 25~125mm  
Flow: 3~100m<sup>3</sup>/h  
Head: 30~200m  
Power: 0.75~55kW  
Speed: 2900r/min  
Working Pressure: 2.5MPa  
Medium Temperature : 99°C  
Material : HT200

**LG-B Easy-disassembly  
Multistage Centrifugal Pump**



**QUP Stainless Steel Submersible  
Deep Well Pump**

**QJ Submersible  
Well Pump**



**XBC Diesel Engine Fire Pump**



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**FIRE PROTECTION PRODUCTS**

They are used for water an prssure adjustment, such as switching on / off water flow, adjusting system pressure.

TPMC provides fire protection valves in UL listed and FM approved.



Grooved OS&Y gate valve



Flanged OS&Y gate valve



Grooved butterfly valve



Lugged water butterfly valve



Water butterfly valve



Grooved check valve



Flanged check valve



Grooved Y strainer



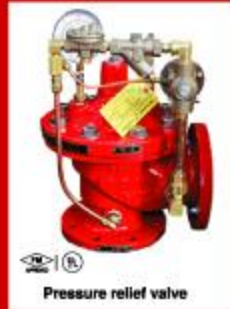
Flanged Y strainer



Alarm check valve



Pressure reducing valve



Pressure relief valve



Air release valve



Brass ball valve



Foot valve



Test and drain valve

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## Hydrant and hose assembly

Hydrant provides a connection to the water main to which the fire fighter can connect firefighting equipment  
TPMC provides both British fire hose assembly and American hose rack assembly



Wet type fire hydrant



Dry type fire hydrant



bsi. | | |   
2 Ways breaching inlet



bsi. | | |   
4 Ways breaching inlet

## British fire hose assembly



bsi. | | |   
Landing valve, oblique type



|   
Layflat fire hose



Jet / Spray branchpipe nozzle



TLV   
Hose coupling

## American hose rack assembly



|   
Hose valve, angle type



Hose rack mounting nipple



|   
Hose coupling



|   
Jet / Spray nozzle



|   
Fire hose



|   
Fire hose rack

# WE ENSURE YOUR SAFETY FROM FIRE RISKS



## Fire sprinkler

It is the core component on fire sprinkler systems, conforming to ANSI / UL 199. Fire sprinkler discharges water automatically when detecting the effects of a fire.



  
Upright sprinkler  
K5.6 K8.0



  
Pendent sprinkler  
K5.6 K8.0



  
Sidewall sprinkler  
K5.6 K8.0

## Fire accessories

The accessories are used for monitoring the flow rate and pressure variation. PTMC provides most accessories in UL and FM approved.



  
Water flow switch



  
Pressure Gauge




  
Fire pump flow meter



  
Rubber expansion joint



  
Pressure switch



**WE ENSURE YOUR SAFETY FROM FIRE RISKS**



HC-232  
American Nozzle

**INTERNAL VALVE FIRE HYDRANT**



**HC-233**

This hydrant is operated by using a hydrant wrench to turn the operating mechanism at the top of the hydrant which will open the valve seat. It is available in two sizes 4" and 8"

**SPECIFICATION**

Body : Cast Iron  
Valve seat : Nylon  
Valve seat ring : Bronze  
Test Pressure : 20 Bar (300 psi)  
working Pressure : 10 Bar (145 psi)

Outlet	Inlet
2 X (2-1/2") male thread, 1 X (4") male thread	4" PN16 BS 4504
2 X (2-1/2") control valve with female BS instantaneous outlet, 1 X (4") male thread	4" PN16 BS 4504
2 X (2-1/2") control valve with female BS instantaneous outlet, 1 X (4") male thread	4" PN16 BS 4504
2 X (2-1/2") male thread, 1 X (4") male thread	6" ANSI 150RF
2 X (2-1/2") control valve with female BS instantaneous outlet, 1 X (4") male thread	6" ANSI 150RF

Refer to landing valve section for type of control valve Extension pipe available upon request

**TRAFFIC IMPACT HYDRANT**

The main valve will remain tightly closed even if the hydrant is accidentally damaged by traffic impact

Outlet	Inlet
2 X (2-1/2") control valve with female BS instantaneous outlet, 1 X (4") male thread	6" ANSI 150

**HC-234**

**FIRE HOSE, TYPE 1**

Internal rubber lining combined with closely woven polyester fibre.  
Direct vulcanisation high adhesion between jacket and lining  
Standard length : 30m  
Available colour : Red or White  
Manufactured to BS 6391



WORKING PRESSURE 10 BAR (145 PSI) / BURST PRESSURE 30 BAR (435 PSI)	
Size	Colour
2-1.2" (65mm)	White
2 1/2" (65mm) C/W Coupling	White
2" (50 mm)	White
1-3/4" (45mm)	White
1-1/2" (38mm)	White
2-1/2" (65mm)	Red
2" (50mm)	Red
1-3/4" (45mm)	Red
1-1/2" (38mm)	Red

WORKING PRESSURE 16 BAR (232 PSI) / BURST PRESSURE 40 BAR (535 PSI)	
Size	Colour
2-1/2" (65mm) White	
2" (50mm) White	
1-3/4" (45mm) White	
1-1/2" (38mm) White	
2-1/2" (65mm) Red	
2" (50mm) Red	
1-3/4" (45mm) Red	
1-1/4" (38mm) Red	

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## Ductile iron grooved couplings and fittings

Grooved couplings and fittings conform to ul213C / 213, and are used to connect steel pipes to from mechanical pipe systems



Mechanical tee, grooved outlet



Mechanical tee, threaded outlet



Mechanical cross, grooved outlet



Mechanical cross, threaded outlet



Flexible grooved coupling



Rigid grooved coupling



Grooved 45° elbow



Grooved 90° elbow



Grooved equal tee



Grooved unequal tee



Grooved equal cross



Grooved reducer



Grooved cap



Cap with concentric hole



Groove flange

## Malleable iron fittings

Malleable iron fittings follow standard BS EN10242, with NPT or BSPT end to connect pipes.



Malleable iron 45° elbow



Malleable iron 90° elbow



Malleable iron equal tee



Malleable iron unequal tee



Malleable iron equal cross



Malleable iron unequal cross



Malleable iron reducer



Malleable iron coupling



Malleable iron union



Malleable iron cap

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**Hot-Deep Galvanized Malleable Iron Pipe Fittings**



**G.I & M.S BRANDED PIPE FITTINGS ELBOW, REDUCER, SOCKET, REDUCING SOCKET TEE, REDUCING TEE, ADAPTER, UNION**

Origin China

Available sizes in Stock : 1/2" To 4" (15mm to 100mm)

**Hot-Deep Galvanized Malleable Iron Pipe Fittings (PRESSURE CAPACITY: 25BAR) 375 PSI**



G.I Elbow 90°



G.I Equal Tee



Union Conical Joing  
Brass to Iron Seat



G.I Socket



G.I Hexagone Equal Nipple



G.I Reducing Elbow



G.I Reducing Tee



G.I Reducing Socket



Long Adapter M/F

**Black Malleble Iron Pipe Fittings**



Black Elbow 90°



Black Black Equal Tee



Union (Brass to iron seat)



Black Reducing Tee



Black Reducing Socket

**检验报告**

**MILL'S TEST CERTIFICATE**

Galvanized / Black Malleable Iron Pipe Fittings Standard Specification			
Standard	American Class 150	Peribbb	European
Dimension	ANSI/ASME B16.3 ANSI/ASME B 16.34 ANSI/ASME B16.39	KS28 1331	EN10242
Threads	ANSI/ASME B1.20.1	BS 21 BS2 779	ISO T-1 ISO228 -1
Material	ASTM A-197	BS 22N 1362	EN1562
Zinc Coating	ASTM A-153	BS 143 & 1256	EN10242
Surfacecoat	Handed	Handed	Handed

**Mechanical Properties of Blackheart Malleable Cast Iron (Grade B)**

Tensile Strength(min)	300N/mm <sup>2</sup>
Elongations(min)	6%
Hardness(Max)	150 HB
Malleability(Min)	10% up to 2" , 5% above 2"

**Chemical Properties of Black Malleable Cast Iron (Grade B)**

C%	Mn%	Si%	P%	S%
2.60-2.80	0.30-0.60	1.30-1.60	<0.12	<0.10

**WE ENSURE YOUR SAFETY FROM FIRE RISKS**



Carbon Steel, Mild Steel, Black, Seamless Elbow, Tee Reducer, Socket, Union, Joint (Thread type, Welded type) (sch-40) Origin China, Korea.

**Available Sizes in Stock : 1/2" To 24" (15mm to 600mm)**

