



PETROMECH ENGINEERS PVT. LTD.

- FORGED FITTINGS

- BUTT-WELD FITTINGS

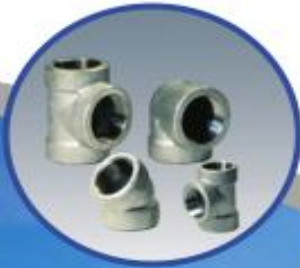
- PIPING MATERIALS

- VALVES

- INSTRUMENT FITTINGS

- ANTI - FIRE PRODUCTS

- FLARE & VAPOR RECOVERY UNITS



Setting Global Benchmarks In Quality



ABOUT THE COMPANY

Established in 2003, Petromech Engineers Pvt. Ltd is the authorized representative of world class manufacturers & suppliers of high quality Forged Fittings, Butt- Weld Fittings, all types of Piping Materials & different kinds of Valves. We also provide various Safety Interlocking Systems, Limit Systems & Position Indicators as per customer's requirement.

Petromech Engineers is one of India's largest suppliers of Pipes & Piping materials. We supply a wide range of Flanges, Pipe fittings & Valves in all grades of materials to our clients in Oil & Gas, Petrochemicals, Fertilizers, Refineries & Power Plants.

Our products are manufactured in accordance with customer's specifications. We specialize in supplying complete Piping & Valves packages for the projects. Our suppliers have the capability to produce custom-made designs with high quality & efficiency.

We represent several manufacturing companies involved in the manufacturing of Piping Materials & Valves. We also have huge stock of Piping Materials in our group warehouses spread all over Europe, UK & Middle East & can supply these items within a short notice.

Our dedicated & experienced team of sales engineers is directed mainly towards efficient & quality service. We take pride in ourselves in our ability to provide best commercial & timely delivery solutions for the fast track projects executed by clients & in order to make this happen we maintain fast & effective communication with our customers & dedicate ourselves to innovation & product development.

Quality and a total passion for perfection, together with a meticulous choice of products and efficient working procedures is the main commitment of Petromech.

■ CORE VALUES

1. Benchmark to learn from superior role models
2. Build up strong customer relationship & bonding
3. Foster innovation with emphasis on value addition
4. Integrity & trust as fundamental to functioning
5. Thrive upon constant learning & knowledge updating process
6. Passion to pursue excellence
7. Quality backed by performance



PRODUCTS

■ DOUGLAS CHERO - GATE, GLOBE & CHECK VALVES (FORGED)

Size	:- 1/4" - 2" Reduced & Full Bore Forged Construction
Pressure Class	:- 150 - 4500 LBS
Material	:- Carbon Steel, Stainless Steel, Alloys & Special Alloys
Bonnet Connections Available	:- Bolted & Welded Bonnet (Seal Or Full Penetration), Bonnet Less & Pressure Seal
End Connections Available	:- SW/ NPT/ BW & Flanged RF/ RJ
Execution	:- Straight, Y Pattern & Angle, Bellow Seals, Cryogenic Service, Vacuum Service, OS&Y, ISRS... Motorized With Electric, Pneumatic Actuators
Manufacturing Standards	:- API, ASME, ASTM, BS, ISO, MSS & NACE



■ GATE, GLOBE, CHECK, PRESSURE SEAL, PIPELINE, & 3 WAY BALL VALVES (CAST)

Size	:- 2" - 66" Reduced & Full Bore Cast Construction
Pressure Class	:- 150 - 4500 LBS
Material	:- Carbon, Stainless, Duplex Steel, Low Temperature Steel, Alloys & Special Alloys, Etc.
Bonnet Connections Available	:- Bolted And Welded Bonnet (Seal Or Full Penetration), Bonnet Less & Pressure Seal
End Connections Available	:- SW/ NPT/ BW & Flanged RF/ RJ
Execution	:- Straight, Y Pattern & Angle, Bellows Seals, Cryogenic Service, Vacuum Service, OS&Y, ISRS... Motorized With Electric, Pneumatic Actuators
Manufacturing Standards	:- API, ASME, ASTM, BS, ISO, PED, ATEX, MSS & NACE



■ BALL VALVES

Type	:- Trunnion Mounted, Floating, Double Block & Bleed, Top Entry, Side Entry, Three-Ways, Cryogenic & Actuated Ball Valves With Control System, Subsea Valves
Size	:- 2" - 48" Reduced & Full Bore
Pressure Class	:- 150 - 2500 (10000 API) LBS
End Connections Available	:- SW/ NPT/ BW & Flanged RF/ RJ
Application	:- Oil & Gas, Chemical, Petrochemical, Pipelines, Water Industries, Offshore/ Onshore, Cryogenic Services
Manufacturing Standards	:- API, ASME, ASTM, BS, ISO, MSS & NACE Cryogenic Services, Etc.





PRODUCTS

■ BALL VALVES

■ MAIN FEATURES

1. Integral compact body
2. Double block and bleed valves assembly
3. Available in different solutions as per customer requirements
4. Trunnion or floating ball design (for ball block valves)
5. Globe or needle bleed type
6. Available with customer requested ends type
7. Short face to face dimensions to save weight and space on site applicable standards
8. Customer requirements



■ MECHANICAL INTERLOCKS - Specialist in safety systems & valve control

Dangerous situations can occur during operations, modification, extension or maintenance in plants, due to negligence, mistakes or ignorance of the operators. Operator may open or close incorrect valves by mistake or due to ignorance, causing major accidents, which could result in huge production losses and even loss of life. These safety interlocking systems eliminate human as well as product error with uniquely designed coded keys and thus improve the integrity of process plants.

Key transfer system simplifies the complicated and potentially dangerous operating procedures, thus making it safe by guaranteeing a predetermined sequence. Operator is forced to follow written procedures by means of mechanical key transfer. This simply means that a particular operation within the procedure must be executed to release the key which is necessary for the next operation. This eliminates the need to supervise and the human factor of error or judgment. Major advantage of this system is that it does not require any shut down of operations, to install the system. This results in major savings.

Type	:- Mechanical Valve Interlocks, Limit Switches, Nether-flex, Position Indicators, Pneumatic Actuator, Partial Stroke Faith System
Size	:- As Per Requirement
Material	:- Stainless Steel AISI 316 Or As Per Requirement
Execution	:- Pressure Relief Systems, Reactor Switch Over Systems, Batch Processes, Boiler Blow Down Systems, Furnace Switch Over Systems, Pig Launchers/ Receivers, Piston Vane Pumps, Power Plant Cooling Systems, Fuel Loading Systems





PRODUCTS

■ FLANGES

Type	-> Weld Neck, Slip-On, Blind, Socket Welds, Reducing Neck, Orifice, Lap Joints
Size	-> ½" To 110" Standard
Pressure Class	-> 150 To 2500 LBS
Material	-> All Grades (CS, CS + NACE, CS + HIC, Stainless Steels, Duplex, Super Duplex, Titanium, Inconel, Monel, Etc.)
Execution	-> Oil & Gas, Chemical, Petrochemical, Pipelines, Water Industries, Offshore/ Onshore Cryogenic Services, Etc.
Manufacturing Standards	-> ANSI B16.5, MSS-SP 44, API 605/ 6B/ 6BX And TEMA Flanges



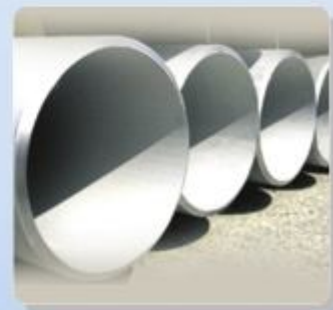
■ SPECIAL FLANGES

Type	-> Swivels, Misalignment, Anchor & API 15,000 Pressure Class Flanges
Size	-> Available In All Sizes
Material	-> Available In All Grades



■ SEAMLESS & SAW PIPES

Size	-> ½" to 24" Seamless 102" 120/ Above 24" Welded
Schedule	-> 10/ 20/ 30STD/ 40/ 60/ XS/ 80/ 100/ 120/ 140/ 160/ XXS
Material	-> CS, LTCS, Low Alloy (P1, P5, P9, P11 & P22) Stainless (304/ 316/ 321), Duplex, Super Duplex, Cuni, Incoloy, Hastelloy Inconel & Cladded Materials
Execution	-> Oil & Gas, Chemical, petrochemical, Pipelines, Water Industries, Offshores/ Onshore Cryogenic Services, Etc.
Manufacturing Standards	-> ASTM A53, A106, A333, A335, API 5L





PRODUCTS

■ BUTT-WELD FITTINGS

Type	- Elbows, Tees, Laterals, Reducers & Caps
Elbows	- Up To 102" (Seamless/ Welded Execution)
Normal Reduced & Barred Tees (Crosses)	- Up To 24" (Seamless Execution) 24" - 102" (Welded Execution)
Extruded & Barred Tees (Crosses)	- ½" - 24" (Seamless Execution) 24" - 102" (Welded Execution)
Spleet-Lateral - Y Tees	- Up To 24" (Seamless Execution) 24" - 102" (Welded Execution)
ANSI Concentric & Eccentric Reducers	- ½" - 24" (Seamless Execution) 26" - 48" (Welded Execution)
Conical Concentric & Eccentric Reducers	- Up To 48" (Welded Execution)
Caps, Saddlers, Collars	- ½" - 102" (Seamless Execution)
Thickness	- All Schedules & Very Heavy Wall
Material	- Carbon Steel, CS NACE, Stainless Steel, Duplex, Super Duplex & All Grades
Execution	- Oil, Power, Chemical, Petrochemical, Pipelines, Water Industries, Offshore/ Onshore Cryogenic Services, Etc.
Manufacturing Standards	- ASME, ANSI, MSS, DIN, API & IBR



■ CHERO PIPING - FORGED FITTINGS

Type	- Socket Weld & Threaded 90° & 45° Elbows, Tees & Crosses, Couplings & Caps, Threaded Bushings, Seamless Tube, Hexagon & Swage Nipples, Pipe Union, Weldolets & Threadolets
Size	- 1/8" - 4"
Pressure Class	- Up To 9000 LBS
Material	- Carbon Steel, CS NACE, Stainless Steel, Duplex & Super Duplex
Manufacturing Standards	- ASME, ASTM, DIN & IBR





PRODUCTS

■ STEAM TRAPS, PISTON MANIFOLDS & SIGHT GLASSES

Type	- Thermodynamic/ Low, Medium & High Pressure Thermostatic/ Balanced Pressure/ Inverted Bucket/ High Capacity Inverted Bucket/ High Capacity & Pressure Ball Float Steam Traps, Forged Piston Manifolds & Sight Glasses
Size	- ½" - 12"
Material	- Carbon/ Stainless/ Alloy Steel



■ STRAINERS

Type	- Simplex & Duplex, Tee, Y & Temporary Strainers
Size	- ½" - 54"
Pressure Class	- 150 - 2500 LBS
End/ Flanged Connection	- BW, RF, RTJ, SW, THRD, Flanged (ANSI, DIN)
Standard Models	- MO 150, 300, 600, 900, 1500, 2500, FS 150, 300, 600, 900, 1500, 2500, F 16, 800, 1500, C 150, 300, 600, 900, 1500, 2500, C 16, 25, 64, 100, FT 1, 2, 3, S 158, 159, 160



■ SLEW BEARINGS

Size	- 250 mm - 4600 mm
Type	- Single Row Ball, Double Row Ball, Single Row Roller, 3 Row Roller, Double Row Roller, Cross Roller, Internal Geared, External Geared & Gearless
Material	- Alloy Steel 42CrMo4; STV & LTV
Application	- Energy (Wind/ Solar Power), Steel Sector (Rolling Mill, Ladle Turret, Caster, Electric Arc Furnace, Etc.) Bulk Material Handling (Stacker Cum Reclaimer), Cranes (Mobile, Tower, Rough Terrain, Deck And Port, Etc.), Earth Moving Equipment, Railway And Defense Application, Radars, Offshore Oil And Gas Installations (Pedestal, Floating Cranes), Ship Loaders, Uploaders & Cement Industry
Manufacturing Standards	- UNI EN 10204 2.2, 3.1. B And 3.1.C





PRODUCTS

■ SUPERLOK - Instrument Fitting and Valve

BMT Co. Ltd. are high precision mechanical components manufacturer specialized in **Tube Fittings & Valves** in the field of Oil & Gas, Petrochemical, Power Plant, Shipbuilding, CNG & Hydrogen, Semiconductor, Automotive and Aerospace Industries since its foundation in 1988. BMT Co. Ltd entered into the Electric Enterprise and created MCPD (Molded Case Power Distributor) that is world unique model in Power Distribution Devices. BMT Co. Ltd. is with mission is to supply products, **SUPERLOK**, with high quality high reliability to our customers through continuous through and strong quality control system.

Application: Applied to Multidirectional Use in the Main Industries controlling the fluid in Tubing or Piping Line in application like Oil & Gas, Petrochemical, Power Plant, Shipbuilding, CNG & Hydrogen and Semiconductor.



Main Products

- Instrumentation and Process Fitting and Valve
- Pipe Thread and Forged Fitting
- High Pressure Fitting and Valve
- DBB(up to 3")and Flange-Type Ball Valve(up to 12")
- Integral Power Distributor (MCPD) and Distribution Board



Quality Certificates

- ISO 9001 (Quality Management System)
- ISO 14001 (Environmental Management System)
- OHSMS 18001 (Health and Safety Management System)
- ASME "N, NPT" Stamp & "NS" Accreditation (American Society of Mechanical Engineers)
- API Q1 & 6D (American Petroleum Institute)
- PED 97/23/EC (Pressure European Directive)
- KEPIC MN(Korean Electric Power Industry Code)



Type Approval Certificates

- LR (Lloyd's Register of Shipping)
- DNV (Det Norske Verita)
- BV (Bureau Veritas)
- NK (Nippon Kaiji Kyokai)
- GL (Germanisher Lloyd)
- ABS (American Bureau of Shipping)
- ECE R 110 & ISO 15500 TUV certificate (CNG Fuel System)
- EC 79/2009 RDW Certificate (Hydrogen Fuel System)
- CRN (Canadian Registration Number)



PRODUCTS

■ BILCO ANTI-FIRE ENGINEERING s.r.l

An Italian manufacturer of Passive antifire products along with software simulations for the oil gas, petrochemical and chemical plants.



PRODUCT RANGE: Bilco provide various range of fire Protection to protect Valves, actuators, pipes and conduits, cable trays, control panels, tanks pipe penetration passages, check and regulating valves, flanged couplings and all what need to be protected.

IMPORTANT CHARACTERISTIC OF PRODUCTS: They are shaped on valve or actuator size, allowing an easy assembling and disassembling with small overall dimensions and thickness that can change according to the time of fire resistance requirements.

Certifications:

- UL 1709 POOI FIRE
- JET FIRE TEST H120
- BLAST TEST 1,85 BAR
- ISO 9001
- CUSTOMIZED SOFTWARE
- TYPE APPROVAL- N SAS F110322 AND 23
- FPAL ID 10052826
- ACHILLES IQS ID 28709





PRODUCTS

■ INSTRUMENTATION MEASURING DEVICES

Type	-: Flow Measurement Devices Like Orifice Flanges, Flow Nozzles, Venture Flow Metre, Metre Runs & Tubes & Flow Straightening Vanes, Thermocouples, Instrumentation Valves & Manifolds, Thermocouples, Resistance Thermometers & Thermowells
Execution	-: Oil & Gas, Power, Chemical & Petrochemical Industries
Manufacturing Standards	-: ASME, AGA, ANSI, API, BSI, ISO, ISA, DIN, UNI & AFNOR



LIST OF MAJOR CLIENTS

■ Larsen & Toubro	■ BGR Energy	■ Chambal Fertilizers
■ Reliance Industries	■ Toyo Engineering	■ IOCL
■ RCF	■ Suzlon	■ UHDE
■ BHEL	■ Tata Chemicals	■ Global Wind Power
■ AFCON	■ ONGC	■ National Fertilizers
■ Leitner Shriram	■ Technip	■ EIL
■ Nagarjuna Fertilizers	■ Inoxwind	■ Tecnimont
■ Alstom	■ GNFC	■ ABG Group
■ Punj Lloyd	■ L&T MHI	■ BPCL
■ Neyveli Lignite Corporation	■ Cairn Energy	■ TDW
■ Godrej & Boyce	■ Enercon India	■ Saipem
■ Essar	■ British Gas	■ SMS Siemag



PETROMECH ENGINEERS PVT LTD.

Address	: Petromech Engineers Pvt. Ltd. Office No. 606, 6th Floor, South Block, Sacred World, Wanowari, Pune - 411040.
Tel.	: +91-20-40053907/ 08/ 09
Mob.	: +91 9545553216 / 9764449633
Fax	: +91-20-40053911
E-mail	: petromek@petromek.in
Website	: www.petromek.in