GLOBAL
Infrastructure Engineering



OUR VALUES ARE AT THE HEART OF EVERYTHING WE DO.

Realizing Possibilities, Achieving Together, Building Trust...

About us

Global Infrastructure Engineering was formed and incorporated in Gujarat, India by a Team of dedicated and experienced professionals in the oil and gas industry.

Our mission is to strive, achieve and stand out in our business with responsibility, business ethics and discipline to continuous process development in quality and delivery of product. We have our own manufacturing unit in Vadodara, Gujarat, India.

We have the asset of people, capabilities and vision to serve the needs of challenging and evolving industry.

Business Strength:

- Global Infrastructure Engineering was formed by a team of dedicated and experienced professionals in the oil and gas industry (upstream/downstream).
- We believe in purposeful innovation because we see what others do not and we act. Through business innovation, product creation and service delivery, we are driven to power the industry that powers the world better.
- We believe in service above all since our singular goal is to move our customers' business forward. This drives us to anticipate our customers' needs and work with them to deliver the finest products and services on time and on budget.
- We believe in a customer focused approach with continuous process development in quality and working towards timely delivery first time and all the time. We are committed to provide reliable and quality service with innovate design and engineering solutions. At Drillen, we work as a team to meet our goals and take pride in getting a job well done. We believe in motivating and inspiring through this approach and find satisfaction at the job done.

Join with us for grow your business

Our Vision:

Our Vision is to establish Global Infrastructure Engineering to be a market leader in repair, manufacture, service to the Oilfield, Flow Control, Pharmaceuticals, Hydrocarbon, Petrochemical and Hydro Power industries, by continual improvement in Product Quality, People and Customer relationship.

Making the environment, health and safety, quality and integrity our highest priorities is the way we work. Our technologies and services includes: surface and subsea, monitoring, measurement and controls, pipeline installation and inspection. Through our customized service solutions and technologies, DEES partners with customers to maximize their efficiency, productivity and equipment reliability; develop their next generation workforce; and fully benefit from the mega trends of natural gas, the growth of subsea and hard-to-reach reserves and the revolution in asset health management.

Our Mission:

To support and serve the industries with products having relentless reliability and fulfilling our customer's "wish lists" by continuously designing and developing innovative features that will reduce he end user's maintenance and increase overall safety and production and establish our self as an Industry leader in Oilfield.



GLOBAL save your project cost and time

The major long term project costs like i.e. labour, materials, equipment -primarily depend on TIME and QUANTITY. The short term indirect costs i.e. shut down; reblast etc., which increase project cost.

Major projects around the world have proven that the lack of surface tolerance and weather restrictions are the major causes of project delays and loss of TIME. Weather delays play major role where other coatings technology have to stop painting, our moisture cure technology continues saving TIME AND MONEY on individual time related cost. GLOBAL products can be applied in any climate around the world day and night.

TC Heat proof paint has been designed to give you relaxation from heat as it will work as insulation and it has a good sun reflectance value. It will act as a protective coating which solve your normal seepage problem and give you temperature reduction. As it works as insulation it will reduce electricity costing. Due to good elasticity it will give your longer life.

Quality assurance

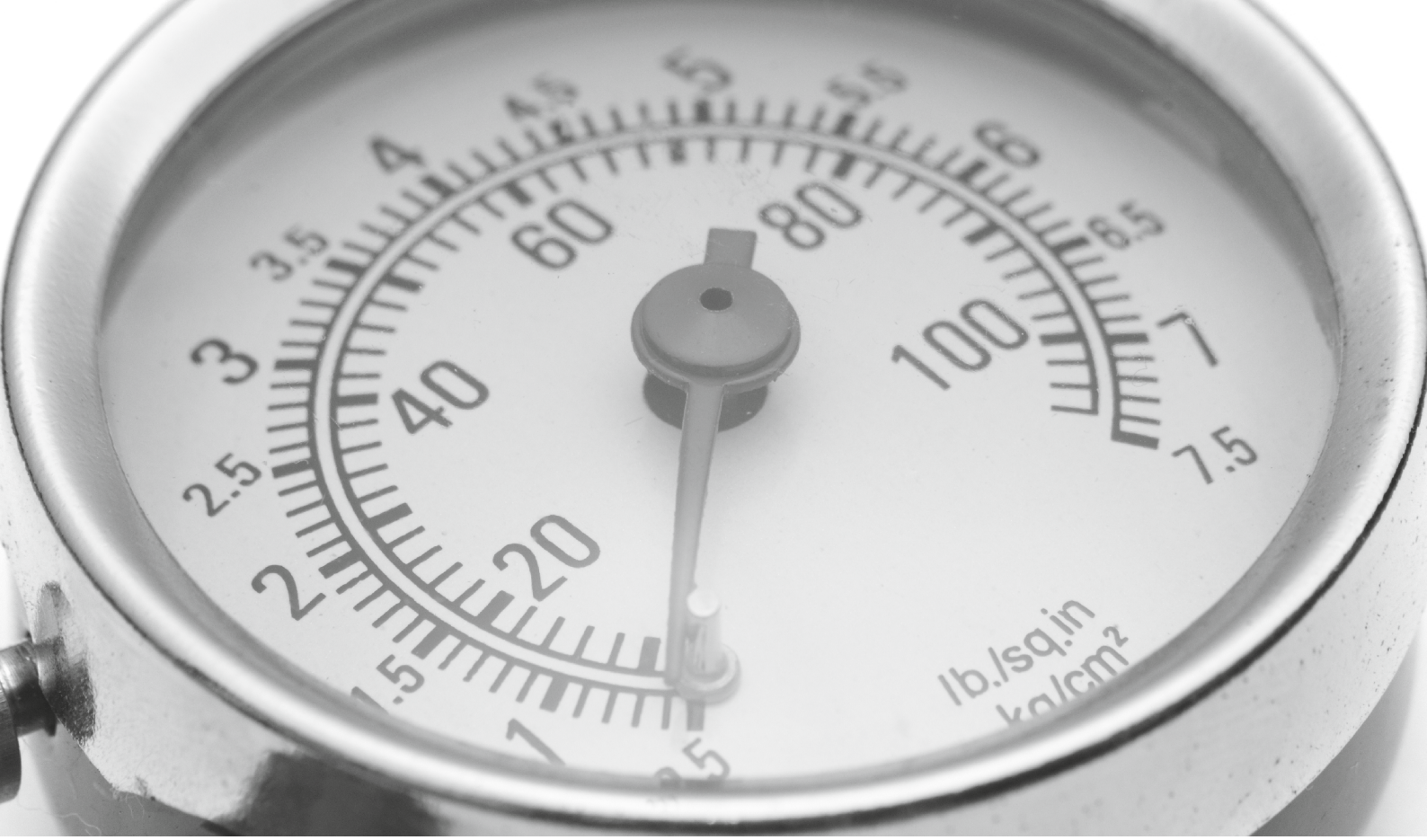
A coatings system with less restriction like the single pack moisture cure urethane coatings, one components moisture cure technology logically guarantees a higher quality assurance with drastically reducing the chances of premature failure. We are well aware of the fact that foremost factors that client and industries want are quality performance and perfection.

With dedicated indigenous research efforts GLOBAL has developed cutting edge technologies in surface protection offering great technical as well as commercial benefits compared to the conventional systems being used for similar application.

FULFILLING CUSTOMER DEMAND WITH QUALITY AND TAILOR MADE PRODUCTS AND SERVICES IS OUR MOTTO. WE ARE ALWAYS WELCOME INNOVATION IN COATINGS AS PER END USER AND CUSTOMER REQUIREMENTS.

GLOBAL adhere to provide complete solution to our customers. By providing quality coatings/paints system on time with best economics. We always look to enhance clients satisfaction through constant improvement in our products and services.





OUR PRODUCT RANGE



Machined Studs



Machined Bolts/ Screws/Nuts



Cold formed Bolts/ Screws/Nuts



Hot Formed Bolts And Screws



Hot Formed Bolts And Screws



Roll Threaded Studs /Bolts/Screws











“Global” Brand Portable Power Extension Board.

Suitable for all outside work related with Electricity.

The product is made of a Fire Resistance, waterproof Fibre Glass.

The Product Is Mainly Used For Equipment Of Machinery In Industry And The Mine's Power Accommodation, Playing In Role Of Portable Power Connection. This Is For Industrial Use Everywhere And Can Be Carried In Each Corner Easily.

PRODUCT DETAILS:

Specification:

04 * 2P 16 Amp Sockets Inclined IP – 44	Make of Legrand – Turkey
01 * 2P 16 Amp Straight Plug IP – 44	Make of Legrand – Turkey
01 * 16 Amp 30 ma Dual Poll RCBO.	Make of Legrand – India
01 * LED Red Colour Indicator Light.	

All Wires is standard ISI mark 2.5 Sq. MM.
The plug and the socket's rating are IP 44, the voltage is 200-250V.
However, the RCBO's voltage is 230-415V.
Maximum size of the dimension is 250mm X 250mm X 250mm.
Each product is packed in a corrugated box.
Each Product weight is approx. 4.0 to 5.0 Kg.

Rental&Trading

Oil & Gas Unit, A leading service provider engaged in Oil & Gas industry in both upstream and downstream for offshore and onshore projects registered in India and USA

specialized in providing customized services to operator companies, drilling company, Service Company and other support service provider. Our internationally experienced team of people provides you 24x7 assistance for any of your need.

We have expertise in providing rental equipment, trading of drilling and workover project equipment, well constructing equipment, drilling tools, tubular running services equipment and fishing. We do provide rig equipment , Inspection and Certification with our wide range of outsourced vendors

Rental &Trading Services Includes

- ☐ Ring Joint Gasket & Rubber Gasket
- ☐ CrossOvers
- ☐ Swivel Joints
- ☐ Hammer Union
- ☐ Plug Valves
- ☐ Flanges & Spools
- ☐ Manifold and Assemblies
- ☐ Drill Pipe
- ☐ Generator and Tower Light
- ☐ Storage Tank
- ☐ Air Compressor
- ☐ Crane Services
- ☐ Painting & Blasting
- ☐ Basket
- ☐ Hardware and ElectricItems
- ☐ Pneumatic and Hydraulic Fittings

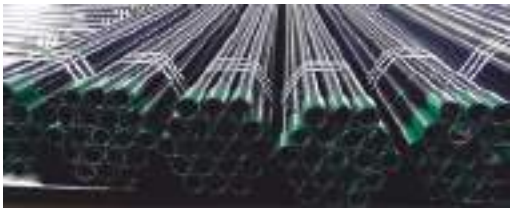












Products and Services:

- We are dealing with product development, manufacturing, service, repair, reverse engineering and re-manufacturing. Our service division provides retrofit and refurbishing of all upstream, midstream and downstream products according to ASME and API guidelines.

Product Range for Manufacturing, Repair, Rental and Supply :

• Valves:

• Gate Valve and Spares :

- Size:2-1/16” to 4-1/16”
- Pressure Rating: 5000 PSI to 15000 PSI
- Service: Sour, H2S or Standard.
- Ring Groove: SS or Inconel-625 Lined or without Cladding.
- Design and Manufacturing: As per API-6A



• Plug Valve :

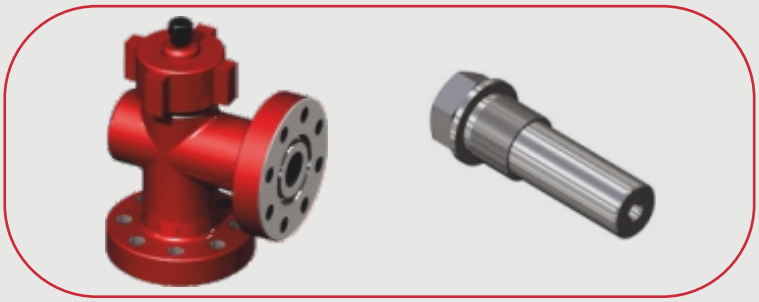
- 2” x 2” - Fig.1502 , Low Torc, Top and Bottom Entry.
- 3” x 3” -Fig.1502 Hammer Union End, Low Torc Top and Bottom Entry.
- Pressure Rating:
  Standard Service 15000 PSI
  Sour Service 10000 PSI.
- Design and Manufacturing: As per API-6A



• Choke Valve - Positive or Fixed Bean Choke:

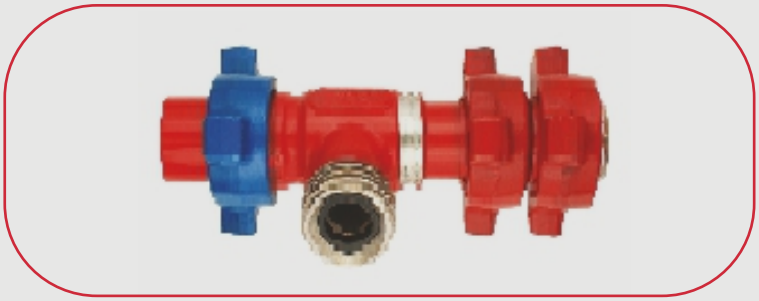
• Flanged End Positive or Fixed Bean Choke Valve :

- Size: 2-1/16” to 3-1/16”
- Pressure Rating: 5000 PSI to 15000 PSI.
- Ring Groove: SS or Inconel-625 Lined or without Cladding.



• Hammer Union End Positive or Fixed Bean Choke Valve :

- Size: 2” Fig.1502 & 3” Fig.1502
- Pressure Rating:
  For Standard Service 15000 PSI
  For Standard Service 15000 PSI
- Design and Manufacturing: As per API-6A



• Adjustable and Drilling Choke:

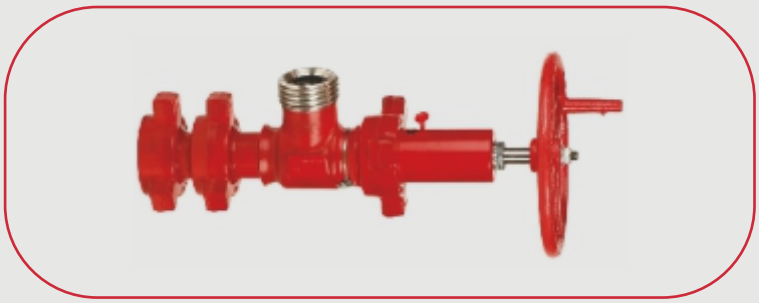
• Flanged End :

- Size: 2-1/16” to 3-1/16”
- Ring Groove: SS or Inconel-625 Lined or without Cladding
- Pressure Rating: 5000 PSI to 15000 PSI
- Design and Manufacturing: As per API-6A or API16C as Applicable.



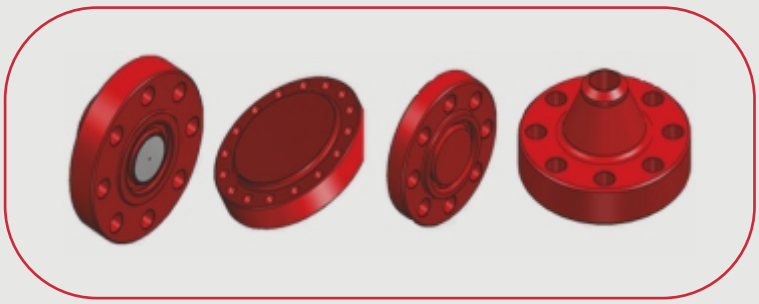
• Hammer Union End :

- Size: 2” Fig.1502 & 3” Fig.1502
- Pressure Rating:
  For Standard Service 15000 PSI
  For Sour/H2S Service 10000 PSI
- Design and Manufacturing: As per API-6A or API16C as Applicable.



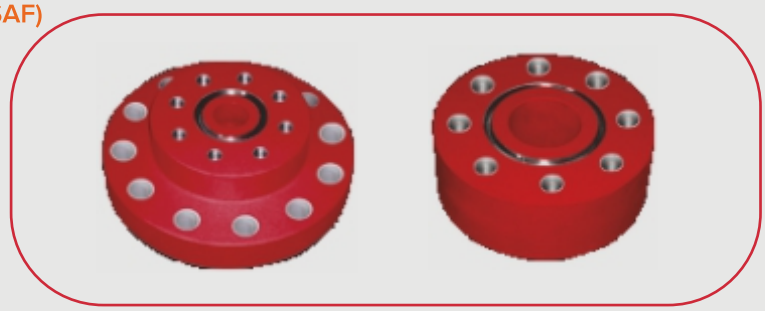
Flanges 6B and 6BX, ANSI/ASME :

- Size: API :1-13/16” to 21-1/4”
- Size: ANSI/ASME: 2”to 7” Class 150 to 1500 RTJ
- Ring Groove: SS or Inconel-625 Lined or Without Cladding.
- Pressure Rating: 2000 PSI to 15000 PSI as applicable for Sizes.
- Design and Manufacturing: As per API-6A



Double Studded Adapter Flange(DSA/DSAF)

- Size: 2-1/16” to 21-1/4”
- Ring Groove: SS or Inconel-625 Lined or Without Cladding
- Pressure Ration:
  2000 PSI to 15000 PSI as applicable for Sizes.
- Design and Manufacturing: As per API-6A



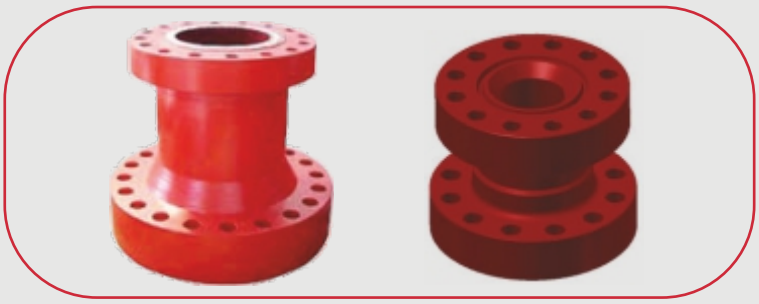
Spacer/Riser Spool :

- Size: 2-1/16” to 21-1/4”
- Ring Groove: SS or Inconel-625 Lined or Without Cladding
- Pressure Ration:
  2000 PSI to 15000 PSI as applicable for Sizes.
- Design and Manufacturing:
  As per API-6A/API-16A



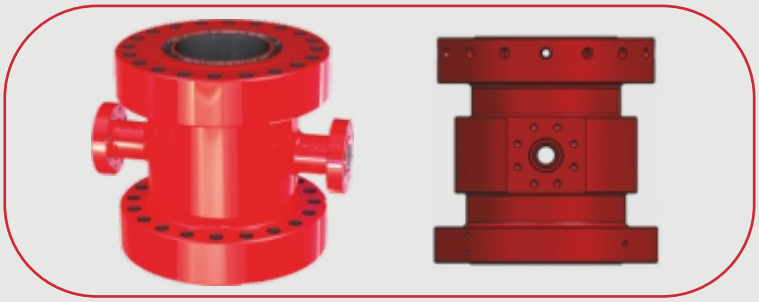
Cross Over Spool, Adapter Spool :

- Size: 2-1/16” to 21-1/4”
- Ring Groove: SS or Inconel-625 Lined or Without Cladding
- Pressure Ration: 2000 PSI to 15000 PSI as applicable for Sizes.
- Design and Manufacturing: As per API-6A



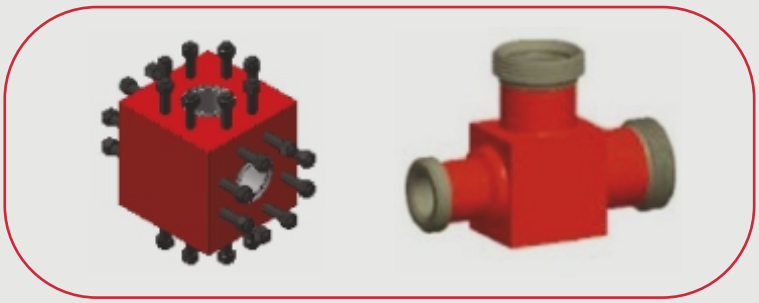
Drilling/Diverter/ Casing Spool :

- Size: 7-1/16” to 21-1/4”
- Side Outlet: 2-1/16” to 4-1/16”
- Pressure Rating: 2000 PSI to 15000 PSI As Applicable For Sizes.
- Design and Manufacturing: As per API-16A



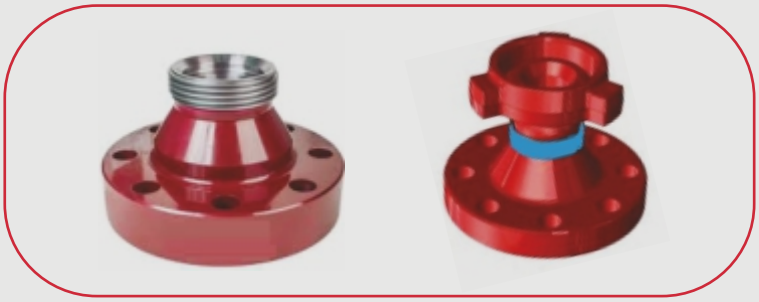
Studded/Flanged/Hammer Union End Cross, Elbow, Tee :

- Size: Flange End: 2-1/16”-7-1/16”
- Pressure Rating: 2000 PSI to 15000 PSI
- Design and Manufacturing: As per API-16C



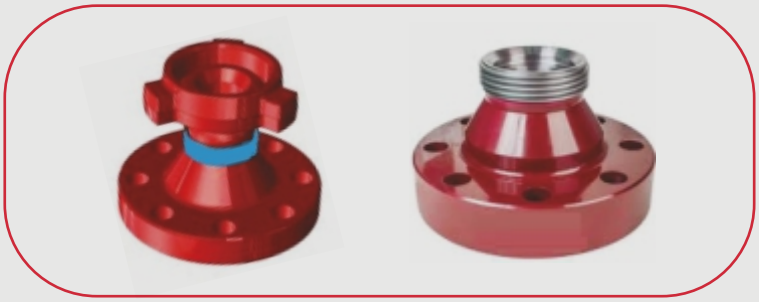
API Flange to Hammer Union End Cross Over :

- Size: 2-1/16”- 4-1/16” to 1”- 6” Fig.602, Fig.1002,
- Fig.1502, Fig.2202 or as per Customer Requirements.
- Pressure Rating: 2000 PSI to 15000 PSI
- Design and Manufacturing: As per API-6A



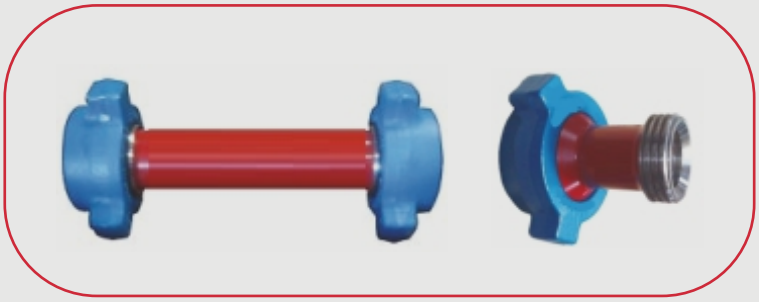
ANSI/ASME B16.5 Flange to Hammer Union End Cross Over :

- Size: 2”- 6” #150,#300,#600, #900, #1500 to 2”- 4” Fig.602, Fig.1002, Fig.1502, Fig.2202 or as per Customer Requirements.
- Pressure Rating: 500 PSI to 20000 PSI.



Hammer Union End Cross Over, Pup Joint (Welded & Threaded) :

- 1” to 4” Fig.602, Pressure Rating 6000 PSI For Standard and Sour Gas services
- 1” to 6” Fig .1502, Pressure Rating 15000 PSI for Standard and 10000 PSI (Sour Gas Service)
- 2” to 4” Fig.2202, Pressure Rating 15000 PSI For Sour Gas Service



Buffer Chamber (Welded or Block Type) :

- Size: 2-1/16” to 7-1/16”
- Pressure Rating: 2000 PSI to 15000PSI
- Design and Manufacturing: As per API-16C

Hammer Union (Threaded and Butt Weld) :

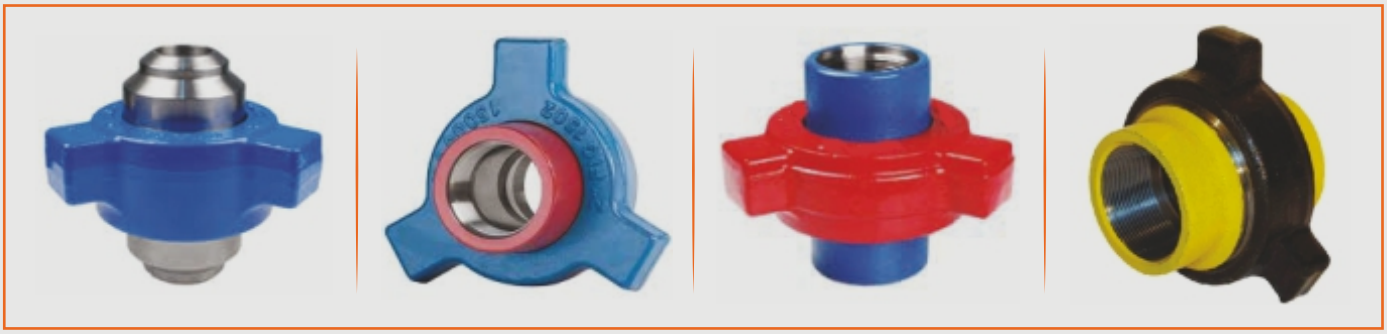
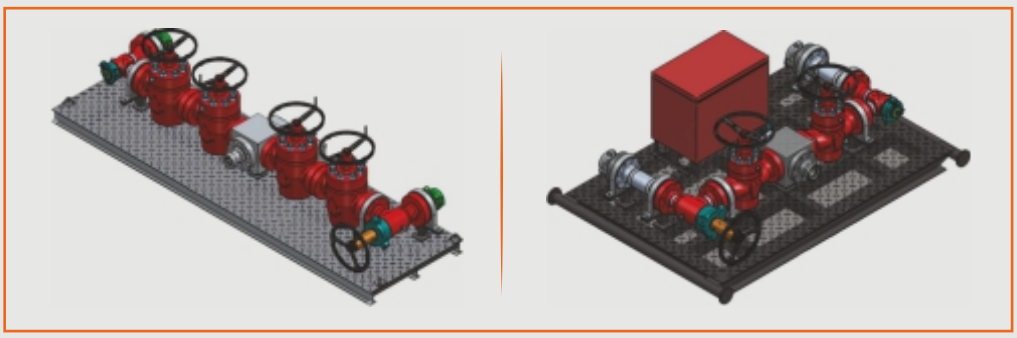


Figure	Cold Working Pressure (PSI)		Nominal Pipe Size								
	Standard	Sour Gas	1”	2”	3”	4”	5”	6”	8”	10”	12”
50	500	N A				▲	▲				
100	1000	N A		▲	▲	▲	▲	▲	▲		
200	2000	N A	▲	▲	▲	▲	▲	▲	▲	▲	
206	2000	2000	▲	▲	▲	▲	▲	▲	▲	▲	
300	2000	N A	▲	▲							
400	4000	4000		▲	▲	▲					
602	6000	6000	▲	▲	▲	▲					
1002	10,000	7500	▲	▲	▲	▲					
1003	10,000	7500		▲	▲						
1004	10,000	7500					▲	▲			
1502	15,000	10,000	▲	▲	▲	▲	▲	▲			
2002	20,000	N A		▲	▲	▲					
2202	N A	15,000		▲	▲	▲					

Manifolds :



- Choke and Kill Manifold
- Choke Manifold
- Mud Gas Valve Manifold
- Well Testing Manifold
- Stand Pipe Manifold
- Sacrificial Choke Manifold
- Plug Valve Manifold

Product List :

- Pressure Vessel
- Storage Tank
- Surge Tank
- Mud Gas Separator
- Indirect Water Bath Heater
- Structural Fabrication
- Piping fabrication
- Structural Fabrication
- Welding Overlay and Hard Facing.
- Repairing of old equipments.
- Heat Exchanger
- BOP
- BOP Test Stump
- BOP Control Unit
- Plating and Nitriding

- **Material :**
  - Stainless Steel, Carbon Steel, Low Alloy Steel, Ni-Base Alloy, High Strength Quench and tempered Alloys.
- **Welding Process :**
  - GTAW, SMAW, GMAW, FCAW

Inspection Services :

- NDT Inspection: Magnetic Particle Examination, Liquid Penetration Examination, Ultrasonic Examination, Radiography Examination.
- Supply of NDT and Welding Personal for Inspection.
- Welding Inspection by AWS-CWI
- Welding Procedure and Welder Qualification
- Welding Support to establish shop in compliance with API-6A, 16A, 16C and other National and International Code and Standard Requirements.

Manufacturing Capabilities :

- **Manual Machining -** Diameter up to 30inch, Length 20ft, Weight up to 10 tone.
- **CNC Machining -** Diameter up to 18inch, Length 3ft, Weight 2 tone.
- **Threading (In house/Out Source) -** All types of Thread on Internal and External up to 10 inch Dia. And 2 mtr. Length.
- **Welding and Fabrication -** OD 5 meter x Length 6mtr, Weight up to 6tone, Welding Process: GTAW,GMAW,FCAW,SMAW
- **Pressure Testing Facility -** Pressure test up to 30000 PSI, Flange End: 2-1/16” to 21-3/4”, Union End: 1" to 4" - Fig.602; Fig.1002, 1" to 6" - Fig.1502, 2" to 4" - Fig.2202.
- **Non Destructive Examination (In house/Outsource) -**
  - Magnetic Particle Examination (MPI/MPT/MPE)
  - Visual Examination (VT/VE)
  - Ultrasonic Examination (UT/UE)
  - Radiography Examination (RT/RE)
  - Liquid Penetrant Examination/Dye Penetrant (LPT/LPE/DP)
  - Helium Leak Test (HLT)/Fugitive Emission Test.
- **Blasting and Painting (Out Source)**

Surge / Gauge Tanks



Technical Description

To complete the entire range for Well Testing and production Equipment Manifold for High Pressure Level / Pressure / Temperature Gauges

Salient Feature

Working Pressure - 50 Psi to 1440 Psi Tanks With Internal Partition Complete

Additional

- Complete package including Control Valve
- Skid
- Down Stream Manifold
- Pump Skid

Indirect Water Bath Heater

Technical Description

Global infrastructure engineers make water bath heater is capable of heating up to 10,000 BPD of Hydrocarbon oil with gas up to 60 MM SCFD from 0° C to 70° C for DE Waxing and further processing of Crude. The maximum heat transfer provided up to 13 MM BTU / HR. The Water Bath Heater has Process Fluid coils, carrying the hydrocarbon oil with gas in & out of the Water Bath with choke & manifold for flow control & bypass of oil. The coiled tubes have a capacity to with stand a pressure o 10000 psi. Equipment Design as per API 12 K.

Burner System

The Bath Heater uses Diesel Oil as fuel with Natural Gas / LPG for ignition.
Burner used are of International standard makes. The burner system has in line Spark Arrestor and Stack at the end of the Fire Tube Outlet.

Additional

- Sparklet O ers Packages With
- Process Design
- Mechanical Designs
- Complete Drawing Package with use of Cad, Solid Works



Our Clients

Superior ENERGY SERVICES
TUBESTAR
Drillen energy
BSI DRILLING EQUIPMENTS
TCI TECHNO CANADA INC.
aban
sun Petrochemicals
DRILLMEC DRILLING TECHNOLOGIES
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