



# Thriamvos Energy





# WELL SERVICE SOLUTIONS

High pressure piping system and valves





**Thriamvos Energy** specializes in the supply of equipment and accessories for high-pressure fluid control, with the primary focus in the well testing and flow back equipment. Thriamvos Energy offers but is not limited to, pup joints, swivels, plug valves, hammer unions, cementing and circulating hoses, integral fittings, manifold fittings, gate valve, choke valve and wellhead components. All flow line items conforms to API 6A and/or API 16C and/or API 16A and have DNV Type approval.

## Hammer Lug Unions

- ★ Hammer Lug Unions range in size from 1" to 12".
- ★ Manufactured from forged steel.
- ★ Maximum working pressure : upto 20,000 PSI.
- ★ Available with Butt weld and NPT thread connection.
- ★ ABS & DNV certification – other third party certification available upon request.
- ★ Material : AISI 4130, AISI-1040, ASTM A105, ASTM A350 LF2 & Stainless Steel.
- ★ Interchangeable with other leading brand manufacturers.



## Swivel Joints

- ★ Size from 1" to 4".
- ★ Maximum working pressure : upto 20,000 psi.
- ★ Dual purpose packing with anti-extrusion ring & active seal packing.
- ★ Precision hardened bearing surfaces to ensure long life.
- ★ Smooth finished bores to ensure minimum pressure drop.
- ★ Various end connection including integral union
- ★ Available for standard and sour service operations.



## Circulating & Cementing Hoses

- ★ Size from 1" to 4".
- ★ Maximum working pressure : upto 20,000 psi.
- ★ Flexibility and easy operation.
- ★ Fold easily for storage and transportation.
- ★ Available for standard and sour service operations.

## Integral Fittings

- ★ Size from 1" to 4".
- ★ Maximum working pressure : upto 20,000 psi.
- ★ Forged from premium alloy steel.
- ★ Available in customise design.
- ★ Various end connection including integral union or welded.
- ★ Available for standard and sour service operations.
- ★ Uniform bore for greater flow capacity and improved flow characteristics.



## High Pressure Manifold Fittings

- ★ Size from 2" NB to 6" NB.
- ★ Maximum working pressure : upto 20,000 psi.
- ★ Manifold fittings are forged from AISI 4130 grade steel.
- ★ Available for standard and sour service operations.
- ★ Full Flow Cross.
- ★ Full Flow Tee.
- ★ Long Sweep Tee.
- ★ Lateral Tee.
- ★ Long Sweep Tee c/w Integral Bull Plug



## API 6A Plug Valves

- ★ Sizes 1", 2" & 3".
- ★ Maximum working pressure : upto 15,000 psi.
- ★ Available for standard and sour service operations.
- ★ Plug valves are manufactured in compliance with API 6A and API Q1.
- ★ Type : Low Torque/ Bottom Entry and Top Entry.
- ★ Material Class : DD & EE as standard, others available
- ★ Product Specification Level(PSL) : PSL 1 to PSL 4.
- ★ Temperature Rating : L to U as standard (-46°C to 121°C) . Elevated temperature classes X(-18°C to 180°C) and Y(-18°C to 345°C) also available.



API 6A Crosses and Tees

## API 6A Studded Tee & Cross

- ★ Size from 1 13/16" to 21 1/4".
- ★ Maximum working pressure : upto 20,000 psi WP.
- ★ Forged from AISI 4130 grade steel.
- ★ Available for standard and sour service operations.
- ★ Designed and manufactured in accordance with API 6A, NACE MR-01-75.
- ★ All crosses and tees are supplied, where applicable with ABS/DNV/other third party certification.



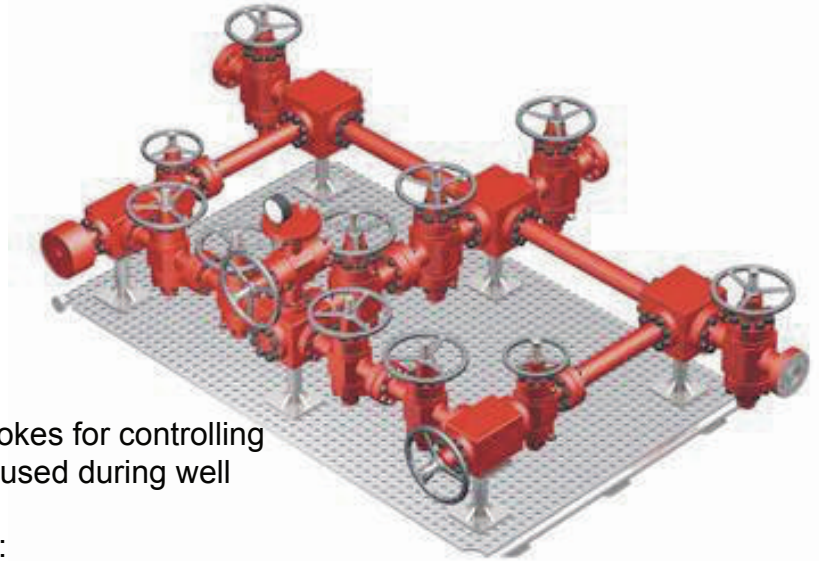
## API 6A Flanges

- ★ Size from 1 13/16" to 21-1/4".
- ★ Maximum working pressure : upto 20,000 psi.
- ★ Flanges are forged from AISI 4130 grade steel.
- ★ Available for standard and sour service operations.
- ★ API Flanges are designed and manufactured in accordance with API 6A, NACE MR-01-75.
- ★ Flanges are available as Weld Neck, Integral, Blind, Target & Test Blind.



## API 6A Gate Valves

- ★ Sizes from 2 1/16" to 7 1/16".
- ★ Maximum working pressure : upto 20,000 psi.
- ★ A True Bi-Directional Valve.
- ★ Low Operating Torque.
- ★ Manufactured in compliance with API 6A and API Q1.
- ★ Material Class : DD & EE as standard, others available
- ★ Product Specification Level(PSL) : PSL 3 as standard.
- ★ Temperature Rating : L to U as standard (-46°C to 121°C) .
- ★ Performance Requirement : PR1 & PR2.



## Drilling Manifold

**Choke manifold** is a system of valves and chokes for controlling the flow from the well and **Choke manifold** is used during well testing.

**Choke Manifold** has these principle functions:

- ★ It allows wellhead pressure to be controlled, improving safety.
- ★ It maintains a certain flow rate, as required for testing. A test can require different flow rates over several time periods, requiring the use of different choke sizes.
- ★ It prevents formation sand from entering the well by limiting the flow rate. Limiting the flow rate reduces the speed of the fluid, which in turn, minimises the amount of sand entering the well.
- ★ It also prevents water and gas coning by limiting the flow rate.
- ★ It is also used to ensure that the flow is critical, meaning that the pressure fluctuations downstream of the choke manifold do not affect downhole pressure and flow rate of the well.

Our **Choke manifolds** are available in 5,000; 10,000; and 15,000 psi working pressure, all bore sizes.



## API 6A Choke Valves

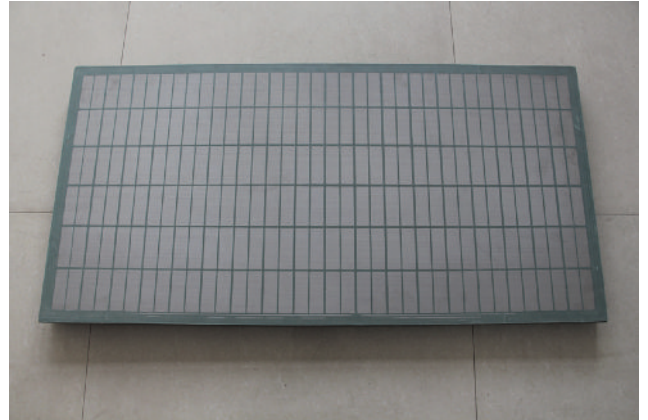
- ★ Sizes from 2 1/16" to 7 1/16".
- ★ Manufactured and tested in accordance with API 6A.
- ★ Carbide alloy is embedded into stem needle of valve, seat.
- ★ Flow adjustment is indicated on a measuring scale.
- ★ Composite rubber-plastic stem lip packing reduces operating torque.
- ★ Max orifice: 1"-3".
- ★ Working Pressure: 2,000 psi - 20,000 psi.
- ★ Material Class : DD & EE as standard, others available
- ★ Connection Type: Flange, Hammer Union, Thread.



## Replacement Shale Shaker Screens

Shale Shaker Screens are extensively used in the oil industry for drilling mud recycling. Right choices of shaker screen can effectively increase the screening efficiency. Now, we mainly provide replacement screen for shale shaker from Derrick, NOV Brandt, SWACO, Kemtron, Scomi and FSI. Except for OEM screens, the specifications for shaker screens can be customised according to your needs.

- ★ Material: stainless steel 304/316/316L.
- ★ Standard: API RP 13C.
- ★ Warranty Period: 1 Year.



## Compatible With Major Brands Shale Shaker Models

- **Derrick** [FLC/500 Series/DP 600 Series/Hyperpool.](#)
- **Brandt** [VSM/B40/LCM-2D/KING COBRA/D380.](#)
- **SWACO** [MONGOOSE PRO/MEERKAT PT/MD-3/MD-3/ALS-2.](#)
- **Kemtron** [48 Series/28 Series.](#)
- **Scomi** [SCM-PrimaG 3P/4P/5P/4PDD.](#)
- **FSI** [5000 Series.](#)

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## Mud Mixing Hoppers

Mud mixing hopper is a Venturi hopper that is used to add dry mud chemicals powders into the mud system. Properly engineered hoppers ensure the highest discharge pressures, solid addition rates and shear rates. The 4" and 6" hoppers are commonly selected to work with shear pump or centrifuge pump to assist in conditioning and mixing fresh drilling mud. The unit consist of stack table, nozzle, flange etc.

- ★ Low-pressure, high-volume design.
- ★ Easy connection to high-volume centrifugal pumps.
- ★ 500-1500 GPM fluid capacity.
- ★ Built-in sack table and receiving basin.
- ★ Epoxy coated.
- ★ Venturi included.
- ★ Fully assembled and ready to install.



## Centrifugal Pumps

Centrifugal pump is used for transferring slurry or mud or water. It can be used as feeding pump for desander, desilter, or used as mixing pump for Jet Mud Mixer. Also it can be used as trip pump, and supercharging pump for rig mud pump. All model centrifugal pump use tungsten carbide mechanical seal, with famous brand Bearing. And spare parts interchangeable with most of the international Brand pump which helps customer to source spare parts easily. Open impeller design that lowers axial thrust loads, and make it easier for installation, repair and maintenance.

- ★ Pump casing made from hard ductile iron alloy, increased abrasion resistant capability compared to competitors pump.
- ★ Anti-loosening impeller lock bolt to eliminate pump damage in case of improper motor hook-up.
- ★ Replaceable shaft sleeve prevents shaft wear.
- ★ Wide open-vane impeller creates lower axial thrust for improved bearing life.



## Mud Agitators

To keep both the mud uniformity and the suspension of solids, the mud agitator is used to agitate the mud consecutively and reliably. This agitator agitates the mud to make cuttings, silt and sand pass the solids control system without being precipitated onto the tank bottom. Due to the simplex turbine decelerator, this product is featured by compact construction, light weight, balanced transmission, low noise, high efficiency of transmission and strong agitating power. Therefore, it is a reliable product in the solids control system. Less than 5.5 kW drilling mud Agitator adopts the blender cycloid speed reducer, and it is applied to the drug liquids mixing tank. This mud agitator has the advantage of compact structure so it occupies small area. More than 7.5 kW Mud Agitator uses the turbo and worm gear speed reducer, with the large torque transmission, the revolution is steady, it works reliably and has great merit.

Note : Max2000 is trade mark of PSI.



## Mud Guns

Mud guns are meant to provide supplemental or primary mixing in mud tanks depending on the number being used and the pit size. They are best used in tank corners to keep solids from settling and a mud agitator is placed in the tank center. The number of mud gun depends on the size of tank. Usually mud gun installed with mud line in mud tank. According the inlet pipe size, there are 2' mud gun and 3' mud gun for option. According to different structure feature, there are two types of mud gun: fixed mud gun , and rotary mud gun. The mud gun in the mud system can also be used for transfer mud from compartment to compartment, like for trip tank compartment. Thriamvos Mud Guns are available for rotation adjustment to allow the operator to optimise the mud guns performance. The replaceable wear resistant jet nozzle is used, which is special design with better shearing.



## Choke Manifold Control Panel

Control panel is the control device for hydraulic choke manifold. It can remote control the opening and closing of the hydraulic choke valve and show the pressure of standpipe and casing pressure, and the switching position of hydraulic choke valve. It can also show the strokes and frequency of the three mud pumps if equipped with pump stroke counter, which is a necessary equipment to control well kick, blowout and pressure balance.



## Pressure Gauges

- ★ Pressure range: 0 - 20,000
- ★ Standard end connection: combination 2 inch line pipe threaded male with a 1 inch line pipe threaded female connection and 2 inch line pipe threaded female connection.

## Instrumentation

- ★ Chart Recorder.
- ★ Pressure Gauges.
- ★ Diaphragm Protectors
- ★ Piston Isolators.



*Diaphragm Protector,  
Piston Isolator or Debooster*

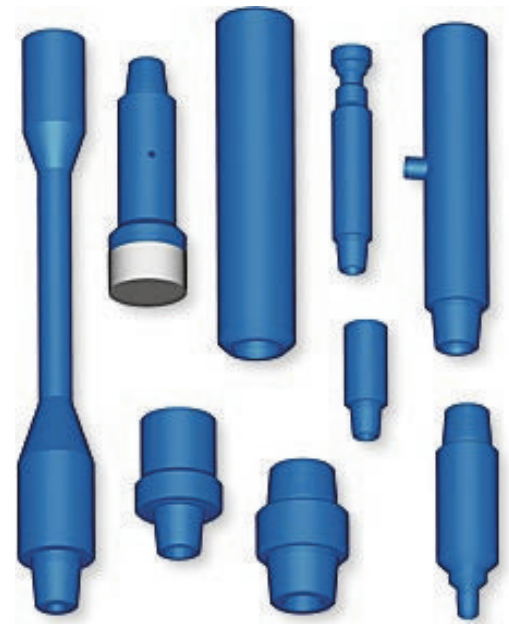


## Drill Stem Sub

A sub is a special short length of threaded pipe used to connect drill pipes to drill collars, with a drill pipe connection on one end and a drill collar connection on the other. Products are manufactured in accordance with API Spec 7 RP7G as applicable.

There is wide range of subs available, including:

- ★ Lift Plug (None/Pin)
- ★ Top Drive Saver Sub (Pin/Pin)
- ★ Bit Sub with/without Float Bore (Box/Box)
- ★ Straight Crossover Sub (Box/Pin, Box/Box, Pin/Pin)
- ★ Kelly Saver Sub (Box/Pin)
- ★ Crossover Sub with Float Bore (Box/Pin, Box/Box, Pin.Box)
- ★ Lift Sub (None/Pin, Box/Pin)
- ★ Bottleneck (reduced section) Sub (Box/Pin, Box/Box, Pin/Pin)



Options :

- ★ API Pin Stress Relief Groove and Box Boreback
- ★ Cold Rolling
- ★ Phosphate Coating
- ★ Proprietary Connections of Leading Manufactures

## API 5CT Pup Joint & Coupling



A **Pup Joint** is a pipe of non-standard length used to adjust the length of tubular strings to its exact requirement. API Casing and tubing pup joints are manufactured according to API Spec 5CT.

Premium pup joints are also available with premium connections and in API or exotic alloy grades.

**Couplings** are short lengths of pipe used to connect 2 joints of tubing or casing. They come with painted colour codes on their external surface to indicate their grades. Couplings are manufactured according to API 5CT and 5B specifications.



## Fishing and Re-Entry Tools

Fishing Tool is a specialized tool which is used to retrieve a dropped object from the wellbore. The dropped object may be drilling equipment like drill string, casings and drill bits. The Fishing Tool may also be required to retrieve older well equipment like packers, liners, tubing or any stuck object in the well. It is mandatory to retrieve these pieces of equipment from the wellbore so as to continue with the drilling operations.

There is wide range of fishing tools available, including:

- ★ Debris Catcher
- ★ Clamps
- ★ Casing Cutters
- ★ Washpipe Extension
- ★ Lip & Mill Guides
- ★ Jars
- ★ Fishing Magnets
- ★ Mills
- ★ Overshots
- ★ Milling Tool Packers
- ★ Casing Scrapers
- ★ Shoes
- ★ Spears
- ★ Subs
- ★ Taper Taps



## Tubular Handling Equipment

Thriamvos Energy is a major supplier of Tubular Handling Equipment. We can deliver most common sizes of Tools listed:

- ★ Elevators
- ★ Elevator Links
- ★ Slips and Bowls
- ★ Spiders
- ★ Rig Tongs
- ★ Stabbing Guide
- ★ Casing Tongs
- ★ Sliding Spider
- ★ Power Units





## Certificates

**Certificate of Registration**


This is to Certify that  
Environmental Management System of  
**THRIAMVOS ENERGY PRIVATE LIMITED**


KHASARA NO. 18/23/2, VILLAGE HAREWALI, NORTH WEST,  
DELHI - 110039, INDIA.


has been assessed and found to conform to the requirements of  
**ISO 14001:2015**  
for the following scope :

DESIGN, MANUFACTURE AND SUPPLY OF OIL AND GAS EQUIPMENT'S FOR  
DRILLING AND FLOW LINE.

Certificate No : **20IEEA72**  
Initial Registration Date : 04/06/2020 Issuance Date : 04/06/2020  
Date of Expiry : 03/06/2023  
1st Surve. Due : 04/05/2021 2nd Surve. Due : 04/05/2022

  
Director

 **IAS** ACCREDITED  
Management Systems  
Certification Body  
MSCB-119

 **IAF** ACCREDITED  
Management Systems  
Certification Body  
MSCB-119

**AQC MIDDLE EAST FZE.**

Head Office: E3-0401 E Andar Gate Tower, Shaheed Khatun Bldg Zangef Road, 2, Ajman, UAE. e-mail: info@aqcme.com  
Key Location: 403, Handhukan Building, 55, Nehru Place, New Delhi 110019, India.  
Validity of the certificate is subject to successful completion of surveillance audits on or before the due date. In case surveillance audit is not allowed to be conducted, the certificate shall be suspended/withdrawn.  
Certificate Verification: Please be alert the validity of certificate at <http://www.aqcme.com> or [info@aqcme.com](mailto:info@aqcme.com) or [www.aqcme.com](http://www.aqcme.com).  
Certificate is the property of AQC Middle East FZE and shall be returned immediately when demanded.

**Certificate of Registration**

This is to Certify that  
Occupational Health & Safety Management System of  
**THRIAMVOS ENERGY PRIVATE LIMITED**

KHASARA NO. 18/23/2, VILLAGE HAREWALI, NORTH WEST,  
DELHI - 110039, INDIA.

has been assessed and found to conform to the requirements of  
**ISO 45001:2018**  
for the following scope :

DESIGN, MANUFACTURE AND SUPPLY OF OIL AND GAS EQUIPMENT'S FOR  
DRILLING AND FLOW LINE.

Certificate No : **20IOEF77**  
Initial Registration Date : 04/06/2020 Issuance Date : 04/06/2020  
Date of Expiry : 03/06/2023  
1st Surve. Due : 04/05/2021 2nd Surve. Due : 04/05/2022

  
Director

 **IAS** ACCREDITED  
Management Systems  
Certification Body  
MSCB-119

**AQC MIDDLE EAST FZE.**

Head Office: E3-0401 E Andar Gate Tower, Shaheed Khatun Bldg Zangef Road, 2, Ajman, UAE.  
Key Location: 403, Handhukan Building, 55, Nehru Place, New Delhi - 110019, India. e-mail: info@aqcme.com  
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Certificate Verification: Please be alert the validity of certificate at <http://www.aqcme.com> or [info@aqcme.com](mailto:info@aqcme.com) or [www.aqcme.com](http://www.aqcme.com).  
Certificate is the property of AQC Middle East FZE and shall be returned immediately when demanded.

**Certificate of Registration**


This is to Certify that  
Quality Management System of  
**THRIAMVOS ENERGY PVT. LTD.**


KHASARA NO-18/23/2,VILLAGE HAREWALI, DELHI  
NORTH WEST, DELHI, 110039 (INDIA)


has been assessed and found to conform to the requirements of  
**ISO 9001:2015**  
for the following scope :


MANUFACTURER AND SUPPLIER OF VARIOUS TYPES OF OIL AND GAS PRODUCTS

Certificate No : 19EQB005  
Initial Registration Date : 12/11/2018 Issuance Date : 12/11/2018  
Date of Expiry : 11/11/2021  
1st Surve. Due : 12/10/2019 2nd Surve. Due : 12/10/2020

  
Director

 **mms** ACCREDITED  
Management Systems  
Certification Body

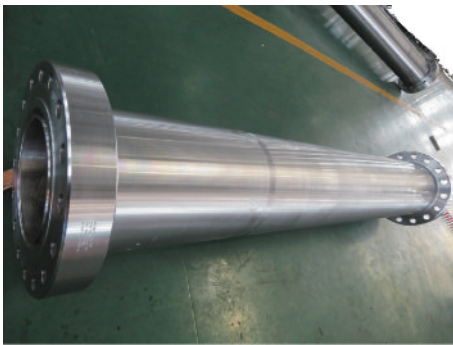
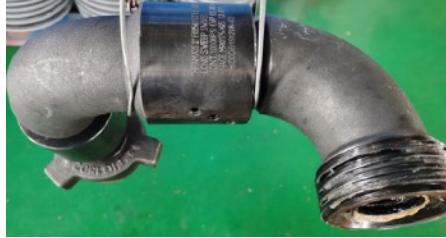
 **EGAC** ACCREDITED  
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Certification Body

 **IAF** ACCREDITED  
Management Systems  
Certification Body

**Magnitude Management Services Pvt. Ltd**  
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e-mail: info@mmsservices.com, website: www.mmsservices.com  
\* Subject to successful surveillance audits in case surveillance audit is not allowed to be conducted, the certificate shall be suspended/withdrawn.  
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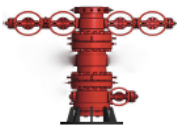
# Gallery





**Thriamvos Energy**

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**Thriamvos Energy Pvt. Ltd.**

**(GSTIN : 07AAGCT9802Q1ZM, ISO 9001:2015, ISO 14001:2015, ISO 45001:2018)**

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