

Address:

No.33 Yongfeng Town,
Tinghu District,
Yancheng City,
Jiangsu Province,
China



Tel:

0086-515-88663680

Fax:

0086-515-88663688



Our web/Email

sales@deenpu-machinery.com

www.deenpu-machinery.com

www.deenpu-machinery.com



DEENPU

江苏德恩普石化机械有限公司



CORPORATE

DEENPU

#2018-2019



No.33 Yongfeng Town, Tinghu District,
Yancheng City, Jiangsu Province, China
0086-515-88663680

www.deenpu-machinery.com

sales@deenpu-machinery.com

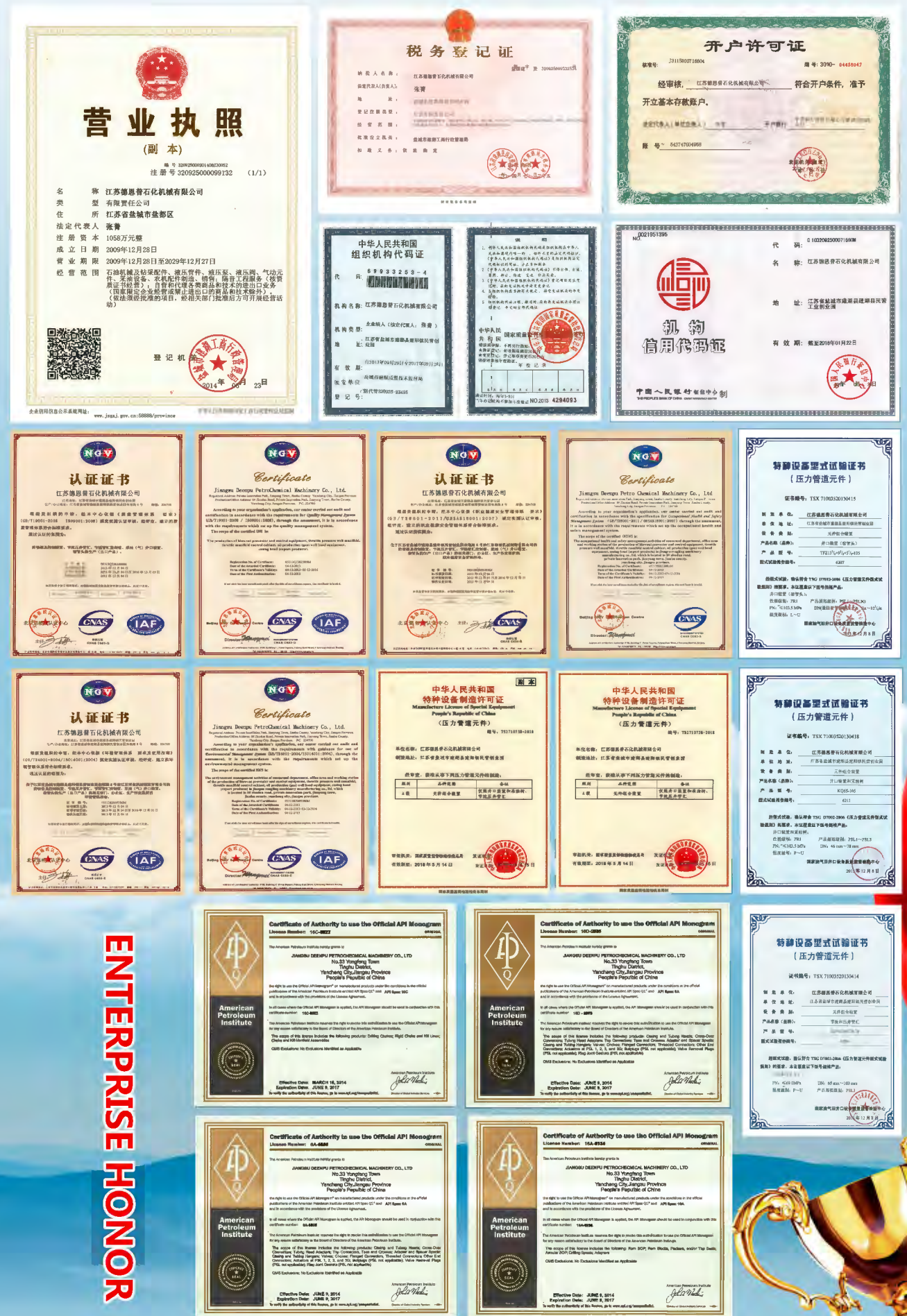


Introduction

Jiangsu Deenpu Petrochemical machinery co., Ltd is located in china petroleum equipment manufacturing base in Yancheng city private industrial prk, Jiangsu. Major Product: casing head, choke and kill manifold, choke manifold, control panel, blowout preventer etc., all products has passed the ISO 9001 international, quality system certification and licensed by the API Monogram Program for spec. 6A, 16A, 16C, 16D.

After founding, the company has developed into a modern enterprise with the workshop area of 12000 m², science and technology and office total area of 6000m, machinery, Now, there are more than 20 sets of testing equipment's and 170 sets of equipment's for colding and hot working. It has always been adhering to the "Quality, reputation and brand development" purposes, to create "professional production, professional service" she enterprise idea, internally to carry forward enterprise culture, foreign spread the spirit of enterprise.

ENTERPRISE HONOR



Ram BOP

Ram BOP

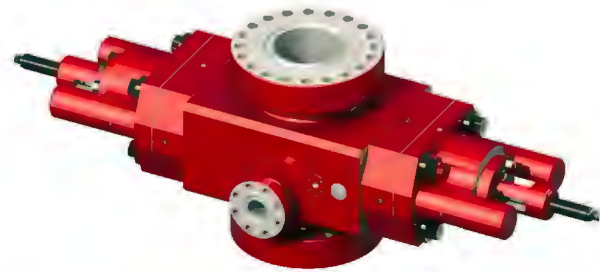
The Ram BOP manufactured by Deenpu has RU type, RUM type, RMini U type and RS type. The design and manufacturing of Ram BOP meets the requirement of API 16A and GB/T20174. The Ram BOP is equipped with Ram of various kinds of size and specification.

RU type Ram BOP adopts the most advanced ram structure of obround, all of its seals adopt high quality rubber, has good sealing performance. It has features of simple structure, beautiful appearance, easy operation, convenient maintenance.

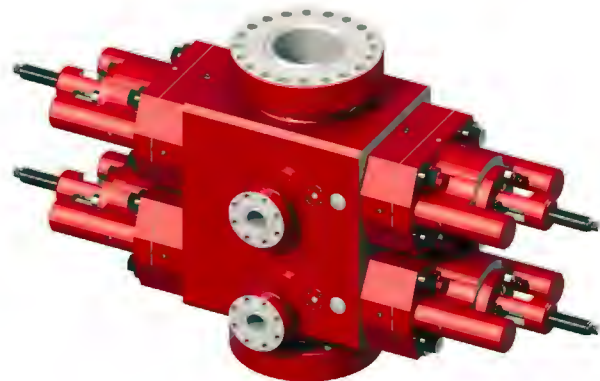
RS type Ram BOP has the feature of small volume and light weight.

Features of RU type, RUM type and RMini U type Ram BOP:

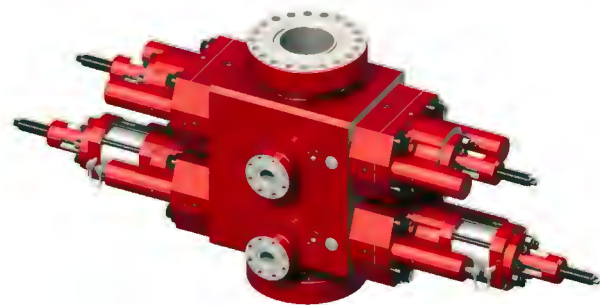
- Pressure part is forging, has better strength and impact toughness, avoiding of the defects of casting;
- Intermediate flange adopts radial floating seal, open and close by hydraulic pressure, changing of ram is fast and convenient;
- Equipped with tandem booster, compared with traditional Ram BOP with shearing capacity, the new one is smaller and function of which is constant;
- Abundant reserve of ram packer, adopts self sealing;
- Manual Locking Device is standard configuration, ensure the ram keep closing in case of hydraulic pressure loss;
- Manual Locking Device, Hydraulic Locking Device, and Tandem Booster can be configured at corresponding place according to client's requirements, and its interchange is convenient.



RU type Single Ram BOP



RU type Double Ram BOP

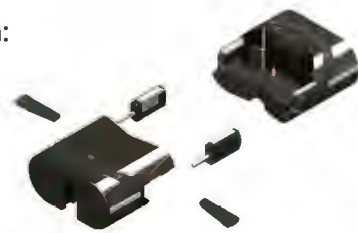


RU type Double Ram BOP Lower Cavity with tandem Booster

RU type Pipe Ram:



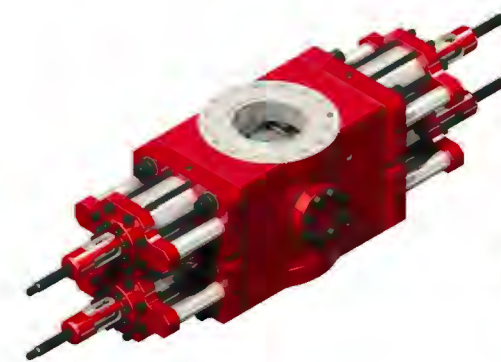
RU type Shear Ram:



RU type Variable Bore Ram:



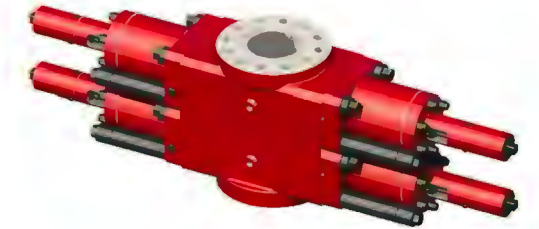
Ram BOP



RUM type Double Ram BOP



RUM type Pipe Ram



RMini type Double Ram BOP



RS type Double Ram BOP



RS type Pipe Ram



RF type Pipe Ram



RSL/RSLX type Double Ram BOP



RLWS type Double Ram BOP



RHF type Pipe Ram

Ram BOP



RSB type Annular BOP



Sealing Element
RSB type Annular BOP



Steel Segment Reinforce
Sealing Element
RSB type Annular BOP



RSW type Annular BOP



Sealing Element
RSW type Annular BOP



Steel Segment Reinforce
Sealing Element
RSW type Annular BOP



RSL type Annular BOP



Sealing Element RSL type Annular BOP

Ram BOP



DEENPU



RGK type Annular BOP
Screwed Head



RGK type Annular BOP
Latched Head



Drilling Spool



29 1/2" 500Psi Diverter



30" 1,000Psi Diverter

Rotating BOP

1) The Application of the Equipment

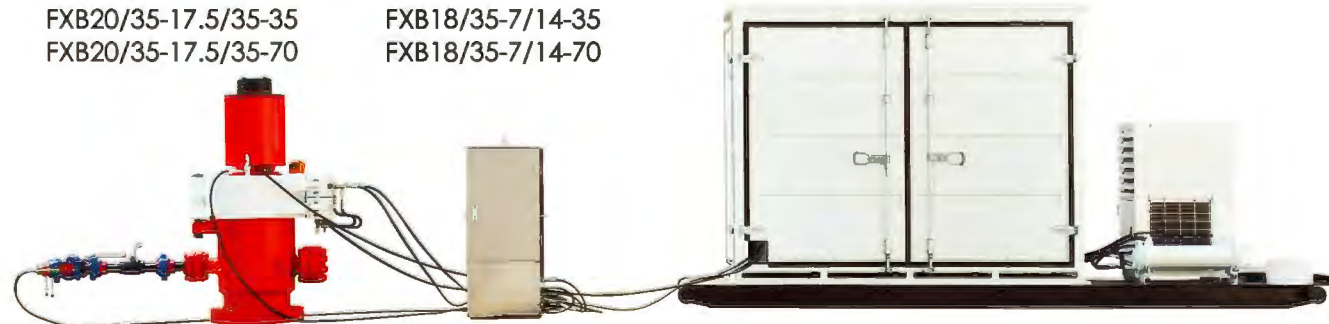
This equipment is a rotating diverter, which divert the drilling fluid from the drilling floor and set up a barrier between the annular space and drilling floor. The barrier can withstand some pressure while drilling, so that the under balanced drilling can be carried through. It can be widely applied in under balanced drilling, natural gas and air drilling, work over and normal drilling to effectively decrease cost, reduce damage on formation by mud and increase production of the oil well.

2) Product Development Strategy

Rotating BOP is also named as rotating control head, which is the indispensable equipment to implement the under balanced drilling. As the requirement of environmental drilling is becoming more and more severe, Rotating BOP will be applied to normal drilling. Rotating control head installs on Annular BOP or Ram BOP, to seal off rotating drilling tool and divert fluid when implementing under balanced drilling. After assembling with hydraulic BOP, check valve, gas separator and pressure balance pipe tripping pressure device, which can implement under balanced drilling and pressure balance pipe tripping safely. Rotating BOP plays an important role in liberating hydrocarbon zone, preventing drilling, gasified liquid drilling and pressure balance workover. At present, most of Rotating BOPs used by China oilfields are imported from abroad, the price is expensive. In order to promote widely using of under balanced drilling in China and satisfy requirement of different oilfields, Deenpu and Zhongyuan Oilfield joined efforts in developing series of rotating BOP (dual packer control head and single packer control head). Among of which, FXB20/35-17.5/35 Rotating BOP can pass through 5 1/2" drilling tool (This equipment is always an engrossment of abroad, only rent but unsold to China, which results in the cost of oilfield on a high level. When bidding abroad, China oilfield is always at a disadvantage because of high quoted price.). The emergence of FXB20/35-17.5/35 Rotating BOP fill the gap of domestic equipment, accordingly take out patent, making a contribution to China oilfields.

3) Specification List of Series Product

FXB18/35-17.5/35-35	FXB18/35-14/21-35
FXB18/35-17.5/35-70	FXB18/35-14/21-70
FXB20/35-17.5/35-35	FXB18/35-7/14-35
FXB20/35-17.5/35-70	FXB18/35-7/14-70



Control System for Surface Mounted BOP Stacks

The FKQ series surface control system will be designed, manufactured, and inspected as per API Spec 16D, and SY/T5053.2-2001. The corresponding surface control devices here are available for all specs of BOP stacks, main components of Triplex Plunger Pump, pneumatic pump, 3-position 4-way hydraulic switch valve, manual pneumatic regulating valve can be produced in machining center, the above products are of compact structure, low noise, good sealing stability, and easy operation, providing safety and security equipments for oil field.

Principle Description

A wide range of models of surface control devices with full function can be manufactured by Deenpu, volume of accumulator is from 125L to 1440L, and controlled objects are 2 to 14, besides the normal products function of all components, we can design special types according to client's requirement. The BOP control system is also suitable for atrocious weather.

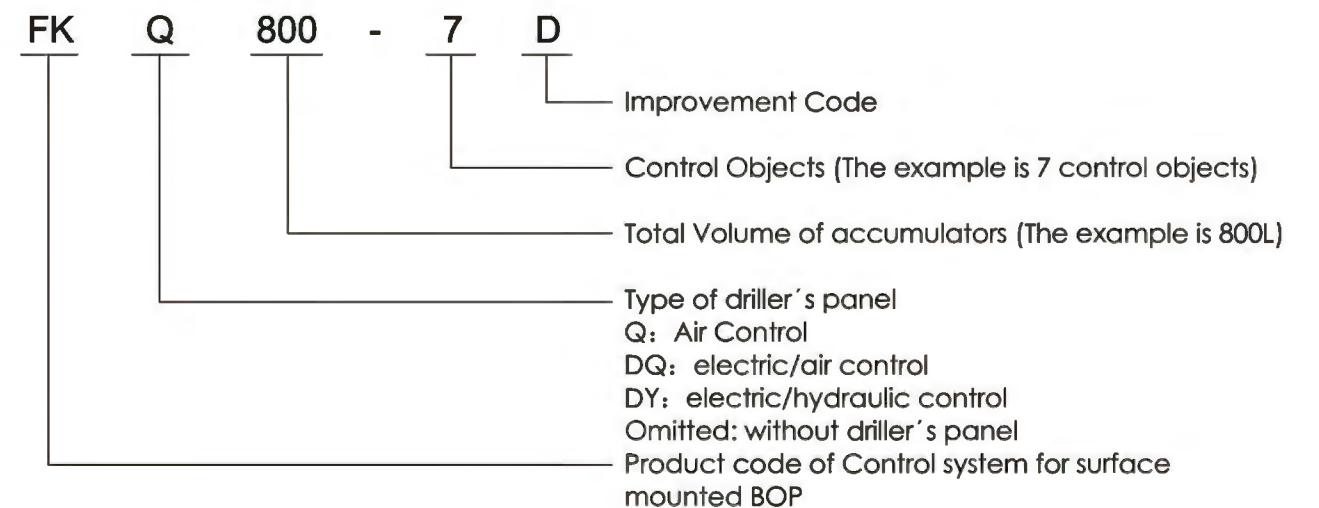
The system is equipped with two independent pump groups. According to number of controlled objects, we provide electric, pneumatic, or manual pump with different flow rate. Accumulator unit is designed to meet the requirement of closing all BOP stacks and opening hydraulic valve, (in case of a group of accumulator units fails to work, the total loss will not exceed 25%). We can offer accumulator with ASME Mark that complies with the requirement of API 16D. The pressure of annular preventer circuit in control system may be adjusted by pneumatic regulator. It characters reverse adjusting. In case of sudden failure of air supply, the pressure can be reset to the present value automatically. The control manifold of the remote control panel is equipped with an orifice as an inlet of the pressure source. For example, the spare nitrogen system offered by Deenpu provides emergent auxiliary energy. If accumulator or pump can not provide the control manifold with enough power fluid, the spare nitrogen system may be used to provide high pressure air to close the preventer. The spare nitrogen system may provide emergency air supply for the driller's panel and the auxiliary control panel.

The system can be equipped with an alarm device. It monitors the accumulator pressure, air supply pressure and the liquid level in the oil reservoir. When the above parameters exceed the alarm limits, the audible and visual signal will appear timely.

The auxiliary control panel which adopts pneumatic control can be equipped with to monitor the remote control panel with air hose bundle or cable. Therefore, the system can be operated and monitored by both driller's panel and auxiliary control panel.

The system can also be equipped with electric heating device of oil reservoir and air hose bundle. The system can also be equipped with a metal enclosure with exposing-proof electric heating board and explosion-proof air-conditioner.

Model Illustrations



Ram BOP

Specifications for BOP Control System :

Model	Number of Controlled Objects				Accumulators Sets			Volume of Oil Reservoir (L)	Motor Power (Kw)	Flow Volume of Pump		
	Annular	Ram	Choke	Spare	Nominal Volume (L)	Effective Volume (L)	Alignment			Electric Pump (L/min)	Pneumatic Pump (ml/stroke)	Manual Pump (ml/stroke)
FKQ1440-14	1	4	7	2	60×24	720	Rear	2300	18.5×2	46×2	60×4	
FKQ1280-8	1	3	2	1	80×16	640	Side	1650	18.5×2	46×2	60×2	
FKQ960-8	1	3	3	1	60×16	480	Side	1650	18.5×2	46×2	60×2	
FKQ840-8	1	3	3	1	60×14	420	Side	1650	18.5	46	60×2	
FKQ1280-7B	1	3	2	1	80×16	640	Side	1600	18.5×2	46×2	60×2	
FKQ800-7	1	3	2	1	40×20	400	Side	1600	18.5	46	60×2	
FKQ800-7B	1	3	2	1	80×10	400	Side	1600	18.5	46	60×2	
FKQ800-7C	1	3	2	1	40×20	400	Rear	1600	18.5	46	60×2	
FKQ800-7D	1	3	2	1	40×20	400	Side	1600	18.5	46	60×2	
FKQ800-7E	1	3	2	1		400	Side	1600	18.5	46	60×2	
FKQ720-6	1	3	2	—	60×12	360	Side	1290	18.5	46	60×2	
FKQ720-6C	1	3	2	—	60×12	360	Rear	1290	18.5	46	60×2	
FKQ720-6D	1	3	2	—	60×12	360	Side	1290	18.5	46	60×2	
FKQ640-6	1	3	2	—	40×16	320	Side	1290	18.5	46	60×2	
FKQ640-6B	1	3	2	—	80×8	320	Side	1290	18.5	46	60×2	
FKQ640-6C	1	3	2	—	40×16	320	Rear	1290	18.5	46	60×2	
FKQ640-6D	1	3	2	—	40×16	320	Side	1290	18.5	46	60×2	
FKQ640-6E	1	3	2	—		320	Side	1290	18.5	46	60×2	
FKQ480-5	1	3	1	—	40×12	200	Side	1100	18.5	46	60×2	
FKQ480-5B	1	3	1	—	80×6	200	Side	1100	18.5	46	60×2	
FKQ480-5C	1	3	1	—	40×12	200	Rear	1100	18.5	46	60×2	
FKQ480-5E	1	3	1	—		200	Side	1100	18.5	46	60×2	
FKQ320-4	1	2	1	—	40×8	160	Side	790	11	35	60×1	
FKQ320-4C	1	2	1	—	40×8	160	Rear	790	11	35	60×1	
FKQ320-4E	1	2	1	—		160	Side	790	11	35	60×1	
FKQ240-3C	1	1	1	—	40×6	120	Rear	550	11	35	60×1	
FK240-4	1	2	1	—	40×6	120	Rear	550	11	20	14/28	
FK240-4E	1	2	1	—		120	Rear	550	11	20	14/28	
FK240-3	1	1	1	—	40×6	120	Rear	550	11	20	14/28	
FK125-3	1	1	1	—	25×5	62.5	Rear	440	7.5	20	14/28	
FK125-3E	1	1	1	—		62.5	Rear	440	7.5	20	14/28	
FK125-2	—	1	1	—	25×5	62.5	Rear	440	7.5	20	14/28	
FK125-2E	—	1	1	—		62.5	Rear	440	7.5	20	14/28	

Ram BOP



Accumulators (gal)	Electric Pump	Air Pump	Manual Pump	Alarm Device	Spare Nitrogen System	Housing	Air Conditioner	Tank Steam Heating	Tank Electric Heating	Driller's Panel	Auxiliary Panel	Pipe Lines
	●	●	○	○	○	●	○	○	○	●	○	○
	●	●	○	○	○	●	○	○	○	●	○	○
	●	●	○	○	○	●	○	○	○	●	○	○
	●	●	○	○	○	●	○	○	○	●	○	○
	●	●	○	○	○	●	○	○	○	●	○	○
	●	●	○	○	○	●	○	○	○	●	○	○
	●	●	○	○	○	●	○	○	○	●	○	○
	●	●	○	○	○	●	○	○	○	●	○	○
11×20	●	●	○	○	○	●	○	○	○	●	○	○
	●	●	○	○	○	●	○	○	○	●	○	○
	●	●	○	○	○	●	○	○	○	●	○	○
	●	●	○	○	○	●	○	○	○	●	○	○
	●	●	○	○	○	●	○	○	○	●	○	○
	●	●	○	○	○	●	○	○	○	●	○	○
11×16	●	●	○	○	○	●	○	○	○	●	○	○
	●	●	○	○	○	●	○	○	○	●	○	○
	●	●	○	○	○	●	○	○	○	●	○	○
11×8	●	●	○	○	○	●	○	○	○	●	○	○
	●	●	○	○	○	●	○	○	○	●	○	○
	●	●	○	○	○	●	○	○	○	●	○	○
11×8	●	●	○	○	○	●	○	○	○	●	○	○
	●	●	○	○	○	●	○	○	○	●	○	○
	●	●	○	○	○	●	○	○	○	●	○	○
11×6	●	●	○	○	○	●	○	○	○	○	○	○
	●	●	○	○	○	●	○	○	○	○	○	○
	●	●	○	○	○	●	○	○	○	○	○	○
11×3	●	●	○	○	○	●	○	○	○	○	○	○
	●	●	○	○	○	●	○	○	○	○	○	○
11×3	●	●	○	○	○	●	○	○	○	○	○	○

Note: 1. The products list above are standard, "●" means equipped with, "○" means optional.
 2. Features list in or not list in should be confirm as per order.
 3. Other features may be provide as per special order.



FKDQ320-4 BOP Control System



Driller's Panel
FKDQ320-4 BOP Control System



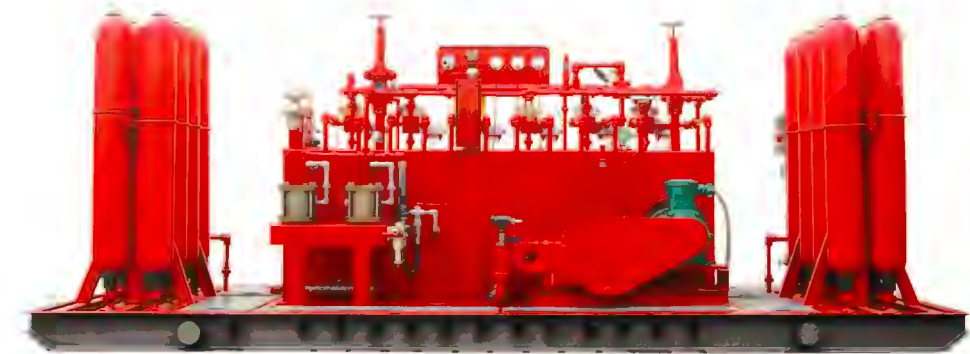
Auxiliary Driller's panel
FKDQ320-4 BOP Control System



FKQ640-6 BOP Control System and Driller's Panel



FKQ640-6 BOP Control System (Front)



FKQ640-6 BOP Control System (Rear)



Housing, FKQ640-6 BOP Control System

Gate Valve

Gate valve manufactured by Jiangsu Deenpu Petrochemical machinery Co., Ltd are available in temperature classes L, P, R, S, T, U type specified in API Spec 6A. Gate valve to be used in 350°C or 650°C for high temperature service can be supplied on request. Fireproof gate valves also can be supplied as per API 6A. Gate valves manufactured by our company are available in 2000Psi, 3000Psi, 5000Psi, 10000Psi and 15000Psi working pressure, material classes from AA through FF, product specification levels (PSL) from 1 through 3 and performance requirement (PR) 1~2.

Features:

- Simple structure and renewable gate and seat assembly.
- One-piece and dual-acting gate with long service life.
- Thrust bearing with large load capacity and composite rubber-plastic stem lip packing minimize operational torque.
- Threaded packing gland allows removal of bearings and stem packing under pressure.
- New type of closed groove seal ring installed between the valve body and bonnet, bolted connection is simple and reliable.
- Bearing cap is provided with a grease cup to make it easy to inject lubricating grease in the field.
- The sealing surfaces of the gate and seat are spray welding with special hard alloy for wear and corrosion resistance.
- Wave springs are installed between the body and seat and between the gate and seat. The gate and seat still maintain a positive metal to metal seal under low pressure.
- Floating gate design requests the hand wheel to be backed off 1/4 turn after its rotation can go no further.



Manual Gate Valve – Rising Stem



Manual Gate Valve – non-rising stem



Hydraulic Gate Valve



Hydraulic Gate Valve – manual locking

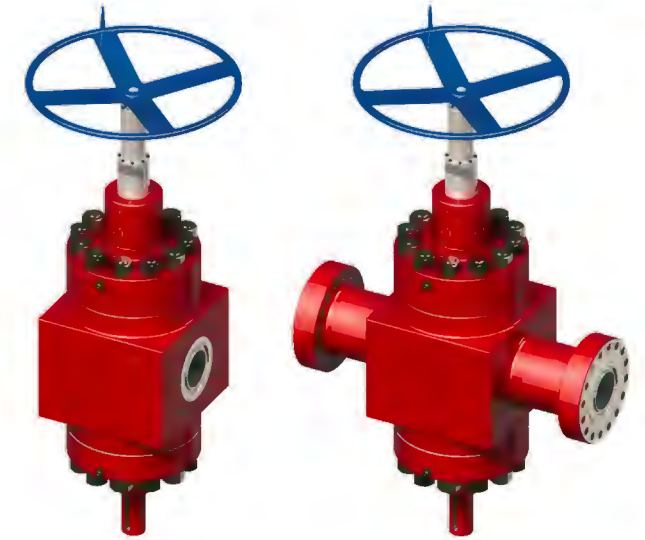


Ball Screw Operator Gate Valve

Ball screw structure of operating effectively lower operating movement, and can achieve 1/3 of common valve's torque.

Gate valve structure:

- Stem structure has the function of pressure balance and switch indication.
- Apply to the structure of big bore high pressure valve.
- Working Pressure: 2000Psi ~ 20000Psi
- Nominal Bore: 1 13/16" ~ 9"
- Working Medium: oil, natural gas, mud and gas containing H₂S, CO₂
- Working Temperature: L U
- Material Class: AA ~ FF
- Product Specification level: PSL 1 ~ 4
- Performance Requirement: PR 1 ~ 2

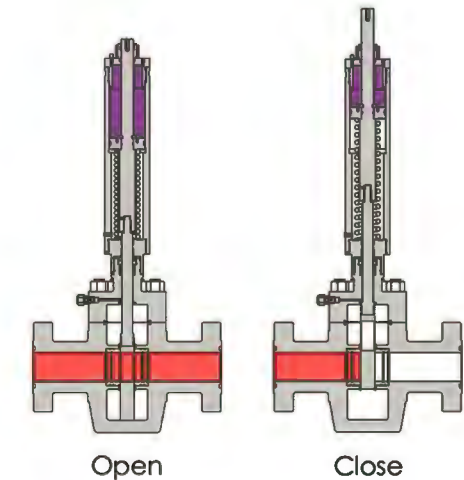


Studded end

Flanged end

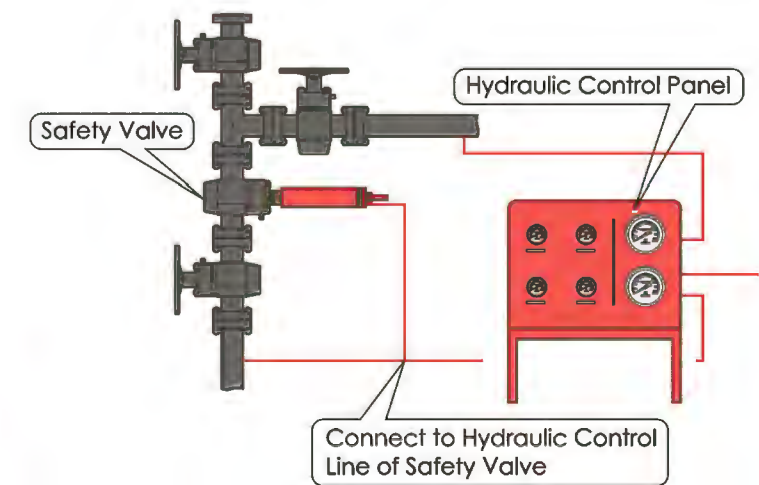
Hydraulic Operated Safety Valve

Hydraulic Operated Safety Valve mainly includes preparation valve and hydraulic operator, is the execution unit of well safety system. High pressure oil enter into the empty cavity of upper operator, and compress the spring of lower operator to open the valve, when the wellhead equipments suffer from dangerous pressure, control system relief the pressure of cylinder after receiving the signal sent by sensor, spring push stem to close valve and wellhead equipments, ensure the equipment safety.



Open

Close



Mud Valve

Mud valve manufactured by Deenpu, has the features of reliability, safety, heavy load and corrosion resistance, which is used for a number of oilfield applications.

There are two models of sealing mechanism adopted in Deenpu mud valve, which of metal to metal seal and rubber seal.

Features of metal to metal seal mud valve

- Spray coating the seal face of gate and seat with hard alloy, which has long service life
- Easy to check the status of valve due to rising stem structure
- change stem packing without removal of bonnet
- on site maintenance design allows checking the situation of internal parts by opening bonnet and changing valve parts without removing it from pipeline.

Features of rubber seal mud valve

- All parts are interchangeable with DEMCO gate valve manufactured by Cameron
- On site repair ability:

The bonnet is easily removed for internal parts inspection and/or replacement without removing the valve from the line; this simple design permits fast and easy service without the need of special tools

- Design of floating gate:

A slab gate with T slot stem connection allows the gate to float to the seat providing a tighter pressure seal.



Metal to metal seal mud valve – welded end



2" 5,000Psi rubber seal mud valve Welded end



2" 5,000Psi rubber seal mud valve Threaded end



Metal to metal seal mud valve – union end



4" 5,000Psi rubber seal mud valve Welded end



4" 5,000Psi rubber seal mud valve Threaded end



Check Valve

Check valve effects seal between valve core and body by fluid pressure, the higher the fluid pressure, the better seal effected. The cavity could contain pressure in pipes all the time.

The body is made of forging alloy steel, with good mechanical property, pressure endurance, safety and reliability.

Bonnet is connected with valve body with bolts. It has seals on bonnet and inner wall of body. Fitting space between bonnet and body is designed to zero so as to minimize loading on bolts and the corrosive of bolts and holes.

Carbide sealing surface has good anti-abrasion and corrosion resistance, the material of valve core is fabricated of anti-sulfide steel, the other parts is made with method of limiting hardness, the valve is suitable for H₂S service.

Main Technical Parameters:

- Working Pressure: 2,000Psi ~ 15,000Psi
- Nominal Bore Diameter: 2 1/16" ~ 7 1/16"
- Temperature Class: K ~ V
- Product Specification Level: 1 ~ 4
- Performance Requirement: 1 ~ 2
- Material Class: AA ~ FF
- Working Medium: petroleum, natural gas



Plug Valve

Plug valve is a necessary part that is applied to high pressure manifold in well cementing and fracture service, also selected for high pressure fluid control system. It is excellent for its compact structure, easy maintenance, low torque, and rapid operation, which make it to be the most ideal valve for cementing and fracturing manifold.

The inlet and outlet of plug valve are Fig1502 union connections (other connections on request), cylinder fits between body and seal segment, and seal rings are inlaid into outside of seal segment for good sealing.

Between seal segment and plug is cylindrical metal sealing, has the feature of high matching precision and reliable sealing.

Main Technical Parameters:

- Working Pressure: 2,000Psi ~ 15,000Psi
- Nominal Bore Diameter: 2" , 3"
- Temperature Class: K ~ V
- Product Specification Level: 1 ~ 4
- Performance Requirement: 1 ~ 2
- Material Class: AA ~ EE
- Working Medium: petroleum, natural gas



Ram BOP

Kill Manifold

1. Application

In case of increase in well head pressure, the kill manifold can provide a means of pumping heavy drilling fluid into the well to balance bottom hole pressure so that well kick and blowout can be prevented. In this case, by using blow down lines connected to the kill manifold, the increasing well head pressure also can be released directly for bottom hole pressure release, or water and extinguishing agent can be injected into the well by means of the kill manifold. The check valves on the kill manifold only allow injection of kill fluid or other fluids into the well bore through themselves, but do not allow any backflow so as to perform the kill operation or other operations.

2. Structure

The kill manifold consists of check valves, gate valves, pressure gauges and pipelines. The one end of the kill manifold is connected to the drilling spool and the other end is connected to the pump. The kill manifold and choke manifold are both designed as per API 16C and can be used together. The kill manifold is available from 14Mpa, 21Mpa, 35Mpa and 70 Mpa pressure ratings.



Vertical Manifold

1. Vertical structure: could stand on deck with smaller occupation.

2. Proper match: it is assembly of choke manifold and two sets of kill line, fabricated with two layers of drilling floor for easy operation.

3. Full function: available with full function of the horizontal model manifold. The hard supporting frame is totally enclosed and corrosion prevention.

4. Easy assembly: it is designed to combination with four components for ease of transportation.



Ram BOP

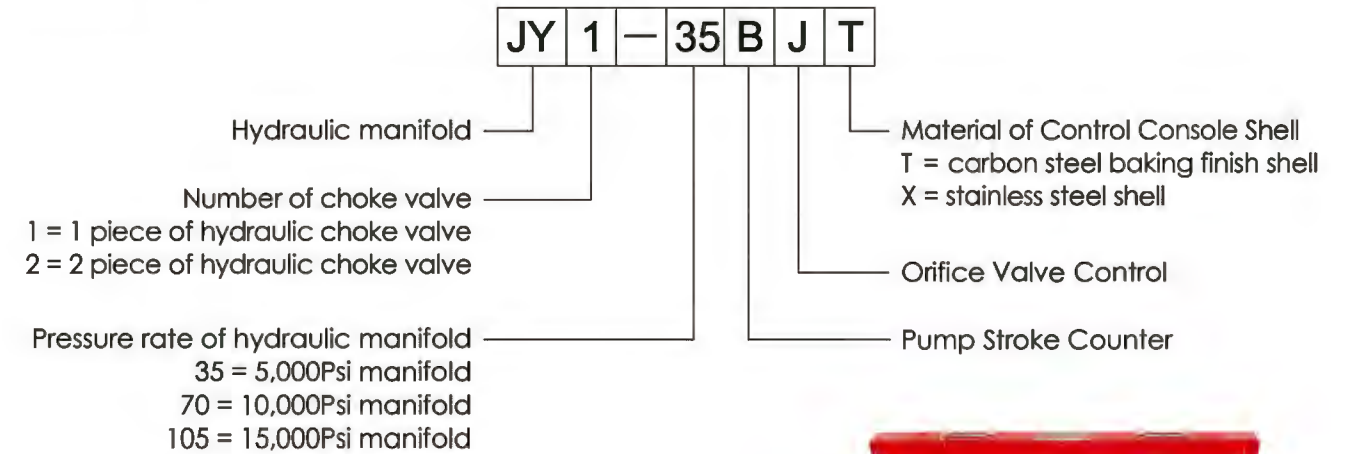


Choke Manifold Control Console

1. Usage

Choke manifold control console as a control assembly in hydraulic choke manifold, can remote control the open/close of hydraulic choke valve for a long distance and the control panel can indicate the standpipe pressure, casing pressure and the opening/closing condition of hydraulic choke valve as well as the pulse number and frequency of the mud pump if pump stroke counter equipped, which can keep the pressure under well and is a necessary device to control kick and blowout and perform the pressure control technology in oil/gas well.

2. Illustration of type



3. Technology Parameter

- (1) Gas source pressure: 0.6MPa
- (2) Ambient Temperature: -20°C ~ +60°C
- (3) Working Pressure: 3Mpa
- (4) Size of quick connector in gas line: M16 x 1.5
- (5) Size of quick connector in oil line: M22 x 1.5
- (6) Specification of hydraulic oil: anti-cryogenic hydraulic oil
- (7) Length x width x height: 960 x 600 x 1300
- (8) Weight: 300kg



3,000 ~ 15,000Psi Choke Manifold Control Console

Casing Head

The casing head is a kind of part connecting casings and wellheads. It is used as supporting the weight of technical casing and production casing, sealing the annular space between the casings, and installing BOP stacks. It provides a transition joint for the tubing head, Christmas tree and other wellheads. It can also supply cement, monitor & control well's sinking, and inject balance liquids etc by the two side outlets on the casing head housing.

The casing head manufactured by our company is a standard structure, the casing hanger produced fits well with the casing housing, and the casing hanger of different sizes are available according to the casing procedure and the change of well head conditions. The standard casing head's top connection is API 6B or API 6BX flange.



Casing Head – Threaded or Welded Bottom



Casing Head – Slip Bottom

The options of the casing head as follows:

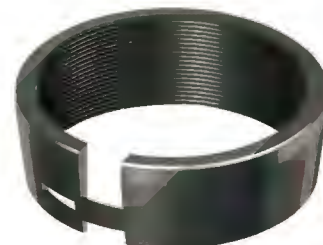
- The bottom connection of the casing head is either API round box thread and API buttress box thread; it can also be slip type connection.
- It can be provided with weld supporting base plate.
- Side outlets could be pipe line thread or studded, studded side outlet is machined with female thread for connecting R1 1/2" reversing valve.



WE type Casing Hanger



W type Casing Hanger



WD type Casing Hanger



C type Casing Hanger

Christmas Tree

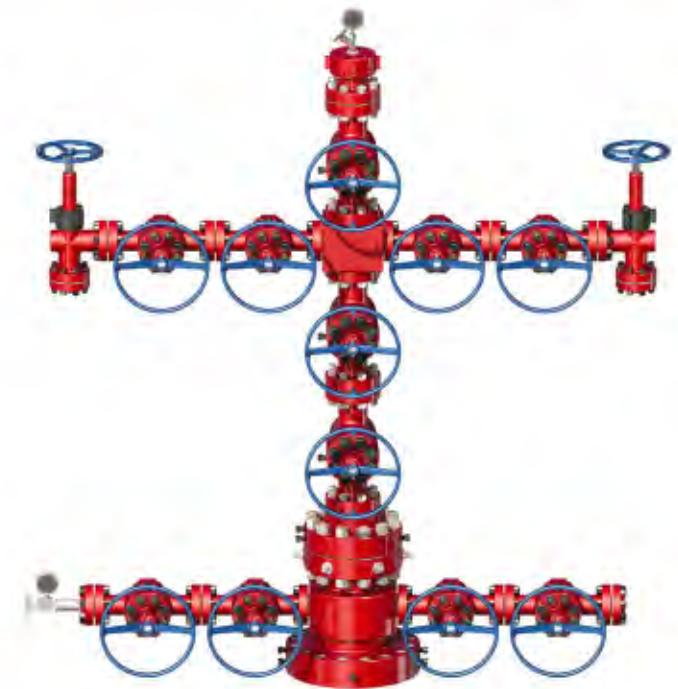
The Christmas tree is an assembly of valves, spools and fittings for an oil well, and to design to direct and control formation fluids from the well. It can provide inlet for production tubing strings, including all components above the tubing head adaptor. Christmas tree assemblies can constitute many different kinds of combinations in order to meet any special requirement. Based on their different functions, Christmas trees can be classified into such special Christmas trees as oil production (flowing and artificial lift) Christmas trees, gas (natural gas and various sour gas) production Christmas trees, water injection Christmas trees, thermal recovery Christmas trees, fracturing Christmas trees and acidizing Christmas trees. Different pressure ratings serialize Christmas trees.

The gas production Christmas tree and tubing head are mainly used to produce gas and inject gas. The relative density of natural gas is low and gas column pressure is low, while well head pressure is high and liable to leakage regardless of gas production and gas injection. Sometimes natural gas contains corrosive media such as H₂S and CO₂. Therefore, the gas production Christmas tree calls for rigid requirements on both its materials and its sealing characteristics. For the sake of safety, two gate valves are used on the tubing and casing respectively. Some gate valves to be used on high pressure and ultra-high pressure gas wells are integrated valves manufactured from high quality forged steel.

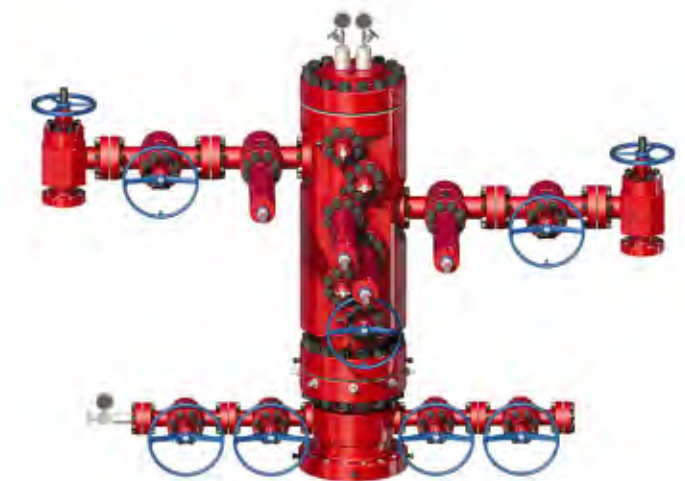
The pressurization parts of the Christmas trees and tubing spools manufactured by Jiangsu Rongling Machinery Manufacturing Co., Ltd are made of forged or special smelted forging, so it is high-pressure safety and so on.

Scope of supply

- Working Pressure: 2,000Psi ~ 20,000Psi
- Nominal Bore Diameter: 2 1/16" ~ 5 1/8"
- Working Medium: petroleum, natural gas, mud, H₂S, CO₂
- Temperature Class: -46°C~ 121°C (LU Class)
- Material Class: AA ~ FF
- Product Specification Level: 1 ~ 4
- Performance Requirement: 1 ~ 2
- To complete with pneumatic or hydraulic safety valve at option



Typical Christmas tree















Dual tubing integral type Christmas tree

Ram BOP

Union

High pressure union, importing international advanced technology, is forged with high-strength alloy steel, strict heat treatment process can ensure that the nipple have uniform metallurgical structure and pressing ability and the material meets ASTM and AISI Standard and the technology indexes conform to API Spec 6A, the product adopts some end connections of pipeline thread, tubing head, butt-weld and compress-seal.

The type mainly consists of: 100#, 200#, 206#, 207#, 211#, 400#, 600#, 602#, 1002#, 1003#, 1502# and 2002#.

<p>Fig 100 Union 1,000Psi (69bar) cold working pressure</p> 	<p>Fig 200 Union 2,000Psi (138bar) cold working pressure</p> 	<p>Fig 206 Union 2,000Psi (138bar) cold working pressure</p> 
<p>Fig 207 Union 2,000Psi (138bar) cold working pressure</p> 	<p>Fig 211 Union 2,000Psi (138bar) cold working pressure</p> 	<p>Fig 400 Union: cold working pressure 1" - 4" 4,000Psi (276bar) 5" - 12" 2,500Psi (172bar)</p> 
<p>Fig 600 Union 6,000Psi (414bar) cold working pressure</p> 	<p>Fig 602 Union 6,000Psi (414bar) cold working pressure</p> 	<p>Fig 1002 Union 10,000Psi (690bar) cold working pressure</p> 
<p>Fig 1003 Union 10,000Psi (690bar) cold working pressure</p> 	<p>Fig 1502 Union 15,000Psi (1034bar) cold working pressure</p> 	<p>Fig 2002 Union 20,000Psi (1380bar) cold working pressure</p> 

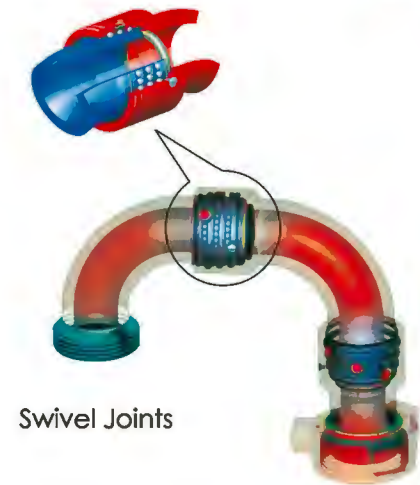
Ram BOP



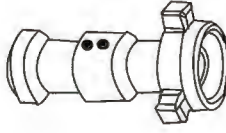
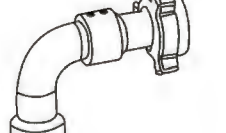
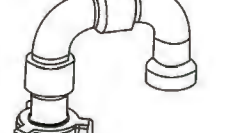
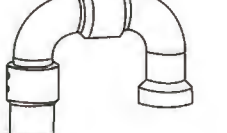
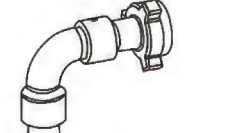
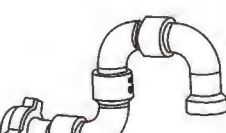
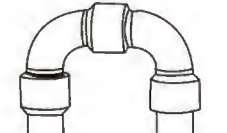
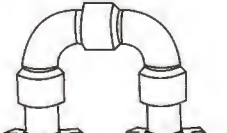
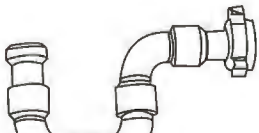
High-pressure Swivel Joints

Swivel joints manufactured by Jiangsu Deenpu petrochemical machinery Co., Ltd is a metal pipe joint with integral ball bearing, with sizes ranging from 1" to 4" and rated WP ranging from 2,000Psi ~ 20,000Psi. Various types of repair kits are available, which is suitable for normal or low temperature, or H₂S environments

Swivel joint can be classified into long and short radiuses. Long radius swivel joints can minimize fluid shock, and has better performance of resistance for scouring and erosion. We also need to use short radius swivel joints for low pressure operation due to limited installation space.



Swivel Joints

<p>Style 20</p> 	<p>Style 30</p> 	<p>Style 50 F x M</p> 	<p>Style 50 F x F</p> 
<p>Style 60 M x M</p> 	<p>Style 80</p> 	<p>Style 10 F x M</p> 	<p>Style 10 M x M</p> 
<p>Style 100 F x M</p> 	<p>Style 100 M x M</p> 