

Fracture Pumps





NB Series horizontal triplex plunger Fracture Pumps are specially used to deliver various viscous and non-viscous hydraulic fluids such as fresh water and mud as the trenchless large-tonnage horizontal directional drilling device. It was designed based on the existing mature mud pumps to meet with the wild trenchless directional drilling equipment market demands.

The pump consists of the power end, hydraulic end, combination of plunger, and lubrication system components, which features super strengths and innovations.

It has a small volume, light weight, large discharge flow, high discharge pressure, input power, torque and troubleshooting fast, which perfectly fits the characteristics of directional horizontal drilling construction and greatly helps to develop the development and popularization of large-tonnage horizontal directional drilling technology.

The development of the mud pump fill the blank of horizontal directional drilling mud pump with large tonnage in China, greatly improve the ecological environment of trenchless technology construction, protect the ecological environment of buildings, farmland, rivers and so on, accord with the development concept of green environmental protection.

The fracture pumps can realize remote control and operation according to the needs of users, which plays a good demonstration effect for the domestic pumps in this field in the future.

It has broad market prospects and economic benefits. After the success since the development of product, the client has functioned it in the east gas pipeline project between China and Russia (Anping-Taian) into industrial application. And in the future, the product will be generalized to other units into more well drilling projects and related industries.

BAOJI AEROSPACE POWER PUMP CO./LTD

Application markets:

Oil and Gas

Application Fluids:

Mud, Produced water

NB1500 Fracture Pump



Application: Intermittent work in the oil and gas wells, such fracturing, cementing and completion.

MAX. Power: 1119kW (1500HP)

Stroke: 203.2mm (8")

MAX. Pressure: 110MPa (15950psi)

MAX. Flow: 150m³/h (2500L/min)

Recent Application I case:

HUADONG OIL FIELD of SINOPEC

NB600 Fracture Pump (OEM for BOMCO)



Application: Driven by hydraulic motor; Mate with the trenchless large-tonnage horizontal directional drilling machines to pump various viscous and nonviscous hydraulic fluids such as fresh water and mud.

Rated Power:445kW (600 HP)

Rated Pressure:40 MPa

Max stroke rate:324 rpm

Max.Displacement:87.5 m³/h (Diesel engine's speed:2100 r.p.m)

Plunger Diameter: Φ115 mm

Stroke: 152.4 mm

Gear Ratio: 4.6: 1

Suction Dia.: 4"

Discharge Dia.: 2"

Recent Application cases:

NB600 Drilling operation of XGMG's horizontal directional drilling rigs