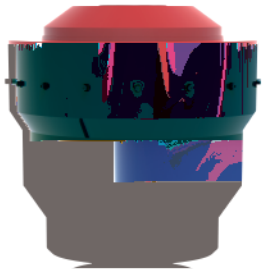
20000psi Ultra-high-pressure BOP Stack

Manufacturing Standards: API 16A, GB/T 20174

Product applicable:for deep and ultra-deep wells' exploration,during which the formation pressure is very high and ultra-high pressure BOP stacks are needed for ensuring the well control safety.

Product Features

- The floating sealing structure is adopted between the intermediate flange and the shell, which ensures stable sealing performance and reduces the tightening torque of the side door bolts
- The ram is replaced by taking out from the side, and reducing the overall height of the BOP stack, which easier to replace the ram
- The shell, intermediate flange, hydraulic cylinder, piston rod, cylinder sleeve, and ram shaft are subject to corresponding advanced surface treatment to improve the anti-corrosion of the parts and the reliability of the BOP
- FHZ28-105/140 Annular BOP is mainly composed of shell, piston, bonnet and other main parts. The bonnet is connected with the shell by jaw chunk, the packing element is taper type, and the sealing parts are exchangeable with imported products



20000psi
Ultra high pressure

177°C
Highest temperature level

PR2
Performance level

Application areas:high pressure oil and gas fields in Xinjiang and Southwest China,high pressure oil fields in Russian areas.

Technical Parameters	
Nominal diameter	279.4mm (11")
Rated working pressure	Ram BOP 138MPa (20000psi) Annular BOP 103.5MPa (15000psi)
The pressure of hydrostatic proof test	Ram BOP 207MPa (30000psi) Annular BOP 155.25MPa (22500psi)
Rated working pressure of hydraulic control system	20.7Mpa (3000psi)
Recommended operating pressure	10.35Mpa (1500psi)
Temperature Ratings for Metallic Materials	Ram BOP Highest T-20/350 Annular BOP Highest T-20/250
Temperature Ratings for Nonmetallic Sealing Materials	Ram BOP Highest BFF Annular BOP Highest BBD
Sulfur resistance level	NACE MR0175
Performance level	PR2