

Wellhead Oil Recovery

Medium and high-end wellhead equipment and manifolds

It is applied in high-risk exploration wells such as ultra-deep wells, fearsome deep burial depth, high pressure coefficient, high single-well design output, and high fluid temperature at the wellhead. These wells have a completion depth of over 8,000 meters, a formation pressure exceeding 180MPa, a formation temperature of up to 170°C, and an expected shut-in pressure of over 135MPa.

Product Features

- **Super bearing capacity:** The high-strength bearing grip can withstand the suspension of more than 10,000 meters and a pressure requirement at BOP operating pressure of 30,000psi.
- **Ultra-reliable sealing capability:** Bimetal seal - CMS cross-sealing metal seal, which can withstand 210MPa gas sealing pressure at 180°C.
- **Ultra-fast shut-in capability:** The quick shear valve allows for rapid and reliable shut-in in less than 5s.
- **Ultra-low valve closing torque:** 210MPa DN65 gate valve requires no gearbox, which can achieve full opening and full closing in 15 seconds, with a low torque.
- **Super gate valve design:** minimum full life cycle of 20 years; all-metal sealing.

30,000psi

Peak working pressure

210MPa

Withstand pressure of gas seal at 180°C

20 years

Minimum life cycle design time