R100 Cryogenic Ball Valve

R100 low-temperature ball valve is our specially developed cut-off ball valve for low-temperature and cryogenic medium conditions. The product is designed, manufactured and inspected according to such international standards as BS6364, SPE77/200, GB/T24925, API6D and ASMEB16.34. It has the functions of two-way sealing, directional pressure relief, fire prevention, static electricity prevention, valve stem anti-blowout and on-line maintenance, and meets the leakage level requirements of test standards such as API598, BS6364, SPE77/200 and the requirements of low fugitive emissions standards including TA-Luft and ISO 15848-1.

R100 low-temperature ball valve is mainly used for low-temperature control fields such as liquefied natural gas, LNG terminal, LNG peak-shaving station, LNG storage tank and transportation, air separation unit, petrochemical tail gas separation equipment, low-temperature methanol washing, liquid oxygen, liquid nitrogen, low-temperature storage tank and tanker, and ethylene.

■ Technical data

Nominal pressure: Class150 ~ 1500, PN16 ~ 260

Nominal diameter: DN15 ~ DN900

Temperature range: -196℃ ~ +200℃

Leakage class: API598, BS6364, SPE77/200, GB/T24925

Sealing form: one-way sealing (floating ball), two-way sealing DBB, two-way sealing DIB-2

Rated stroke: 90°

Drive form: pneumatic, manual, etc.

Valve body form: top-loaded type, main and auxiliary body type

Connection form: butt welding, flange

