VB100 Cryogenic Butterfly Valve

VB100 low-temperature butterfly valve is used for low-temperature and cryogenic medium conditions such as ethylene, propylene, liquefied natural gas and liquid nitrogen. It features superior sealing performance, small operating torque, large allowable differential pressure, high reliability and long service life; in addition, it is of anti-blowout and anti-jamming features, wear resistance, corrosion resistance, fire prevention and static electricity prevention, on-line maintenance and other functions.

VB100 low-temperature butterfly valve is of triple-eccentric hard sealing structure, so that the sealing ring and valve seat can be opened and closed instantaneously. When the valve is closed, the pressure angle on the sealing surface is greater than the friction angle, so that the opening resistance of the valve plate is extremely low, thereby enabling the automatic fitting of seals upon closing. The valve meets the requirements of API598 and BS6364 in terms of leakage level, and the industrial valve micro-leakage standards TA-Luft and ISO15848-1 in terms of external leakage.

Technical data

Nominal pressure：PN1.0、1.6、2.5、4.0MPa Class150、300

Nominal diameter：DN50～DN1600

Temperature range：-196℃～+200℃

Leakage class：API598/BS6364

Sealing form：two-way sealing

Connection form：butt welding

