GAS APPLICATON
WELDED BALL VALVES

PE end T type fully welded ball valve

Testing and inspection : GB/T 19627

Size range: DN50-DN800mm

Pressure range :PN1.6~PN4.0MPa

Working medium temperature: -29 ~+100°C

Drive mode: standard worm gear operated

T type extended stem fully welded ball valve:

Design standard: API 6D, ASME B16.34

Connection standard: Welded end ASME B16.25

Face to face standard: API 6D, ASME B16.10

Inspection standard: API 6D, API 598

Size range: NPNS2-48 (DN50-DN1200mm)

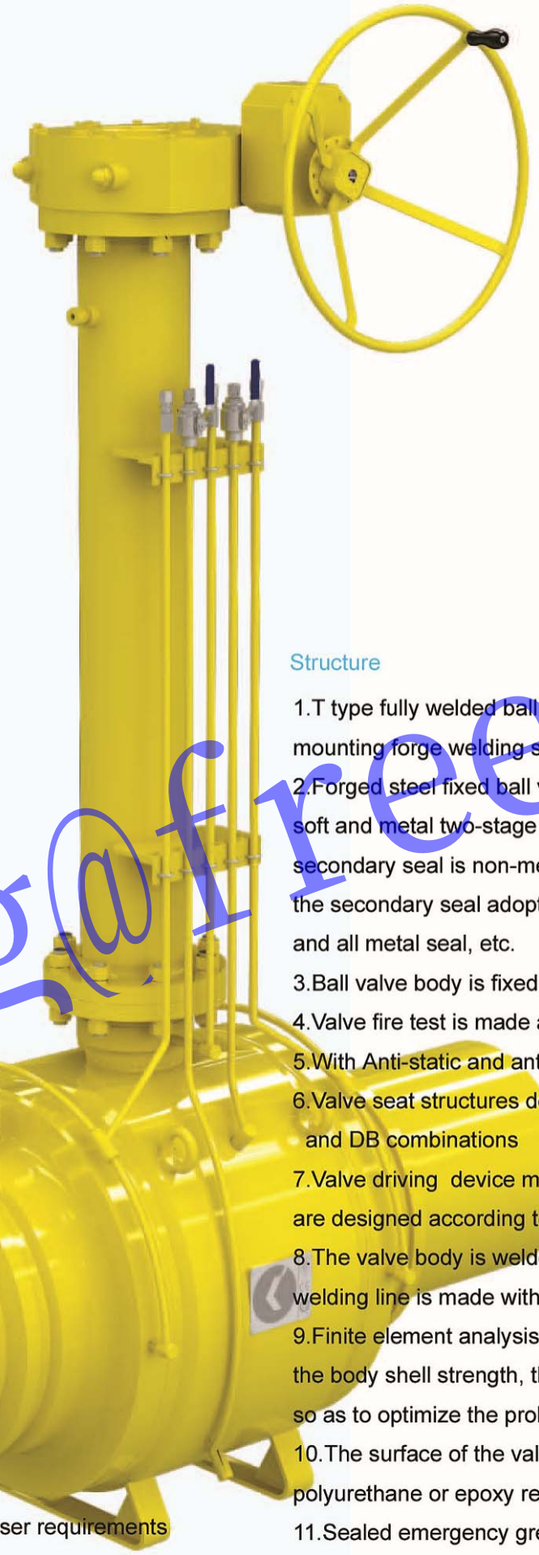
Pressure range: Class 150-class 2500
(PN1.6-PN42mpa)

Working temperature: 29 ~ +200 °C

Driving mode: NPS2-NPS 4 (DN50-DN100mm) handle,
NPS6-NPS48 (DN150-DN1200mm) standard worm gear

Optional driving mode: pneumatic, electric, etc

The dimension of valve connecting end can be designed and manufactured according to user requirements



Structure

1.T type fully welded ball valve is designed for three-pieces side mounting forge welding structure

2.Forged steel fixed ball valve is designed with floating valve seat, soft and metal two-stage seal, the primary seal is metal sealing, secondary seal is non-metal seal; generally speaking , the secondary seal adopts Viton-AED, DEVLON, PEEK and all metal seal, etc.

3.Ball valve body is fixed with built-in support plate structure

4.Valve fire test is made as per API607 and BS 6755

5.With Anti-static and anti-blowout function

6.Valve seat structures designs are available in DBB, DIB or DBB and DB combinations

7.Valve driving device mounting platform and interface settings are designed according to ISO 5211

8.The valve body is welded with a typical narrow gap arc multi-layer welding method, welding line is made with 100% ultrasonic inspection and hardness test .

9.Finite element analysis was used to analyze the simulated working conditions of the body shell strength, the force of the inner parts and the operating torque of the stem, so as to optimize the problems and weaknesses and ensure the valve performance optimization.

10.The surface of the valve is coated with corrosion resistant asphalt, polyurethane or epoxy resin according to the specification to adapt to buried installation.

11.Sealed emergency grease injection function

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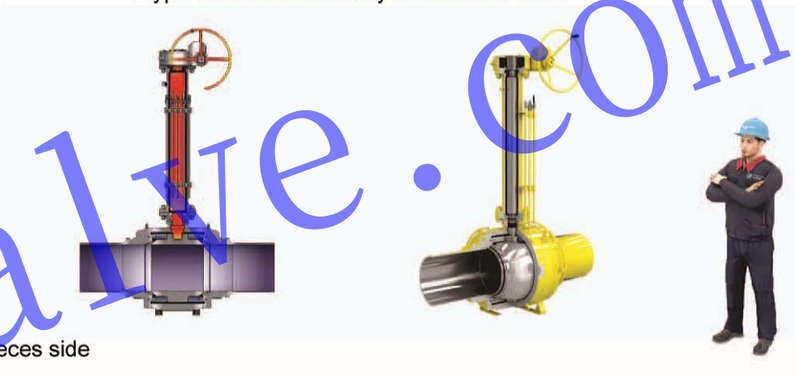
T type extended stem fully welded ball valve



Application

Natural gas, city gas, oil field

Material

Valve body :
A105, A350Lf2 ,A182 F304

Stem: ANSI 3140 +ENP, A182 F304

Valve ball : A105+ENP, A350 LF2+ENP
ASTM A 182

Stem/sliding bearing seal:304+PTFE
316+PTFE

Ball seal: Viton-AED metal composite sealing