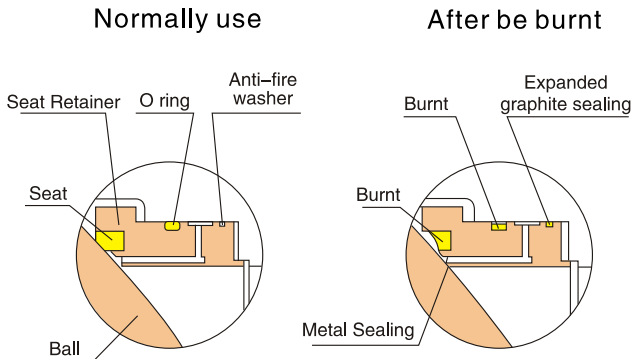


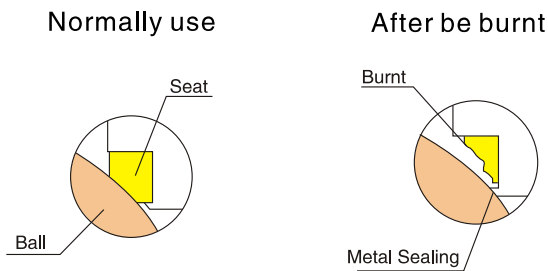
## 1、 Fire Safe

### Trunnion Ball Valve



When the trunnion ball valve be used normally, it sealed by seat and ball surface, seat retainer sealed by O-ring and body, these are soft sealed, reliable sealing. When the seat and O-ring are burnt, the seat retainer and ball will be metal to metal sealed directly, Also the seat retainer and body will be sealed by expanded graphite, thus act the anti-fire purpose.

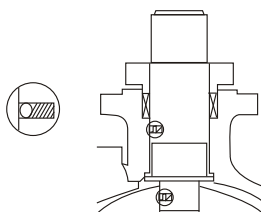
### Floting Ball Valve



When the floating ball valve be used normally, it sealed by seat and ball reliably. When the seat is burnt, the body moved and metal to metal sealed with ball directly, thus act the anti-fire purpose.

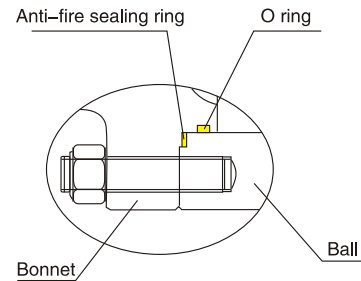
In order to act anti-fire safe, the valve other connective position all have the anti-fire sealing ring.

## 2、 Anti-static device



In order to prevent friction between ball and stem and PTFE that generates static electricity which may light the combustibles and explosives that cause an accident, in this ball valve, static-conduction spring is set between the stem and the ball, the stem and the body. Thus static electricity is conducted to ground and system safety is secured.

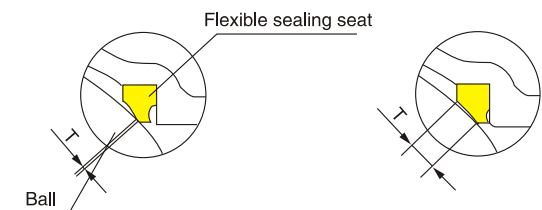
## 3、 Sealed construction of valve body free of body leakage



The connective position of valve body and bonnet is double sealed by gasket and O-ring, on this base, such factors as fire, high temperature, shock and uneven opening or closing of the torque all can't induce external leakage.

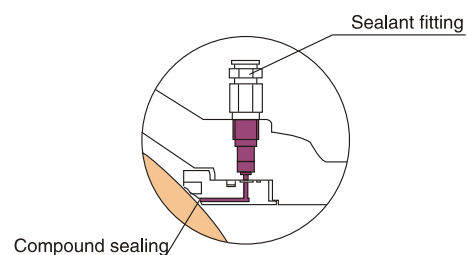
## 4、 Special seat structure

Low pressure sealing      High pressure sealing



With years of manufacturing experience, double sealed structure of elastic seat was designed. When the pressure going up, the T value will be increased continuous, it will act good sealing performance under the condition of low pressure, high pressure and vacuum.

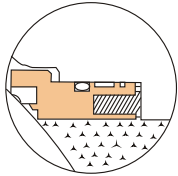
## 5、 Emergency sealing (For trunnion ball valve only)



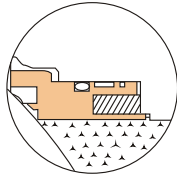
When the sealing of stem or seat is damaged to induce leakage, the compound can be used to do the secondary sealing.

### 6、 Seat spring protective structure (For trunnion ball valve only)

Non-spring protect

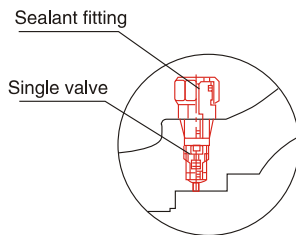


Spring protect



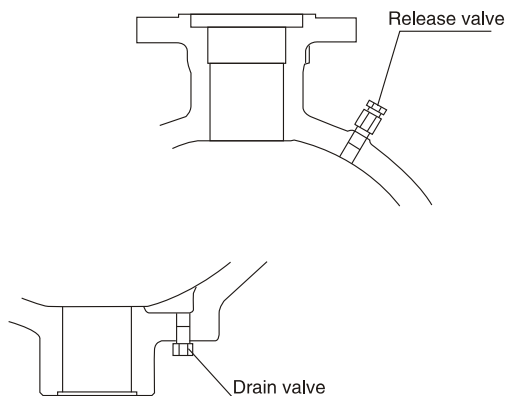
With the spring protection, the impurity can't enter into spring hole, thus protect the spring from impurity.

### 7、 Double block (For trunnion ball valve only)



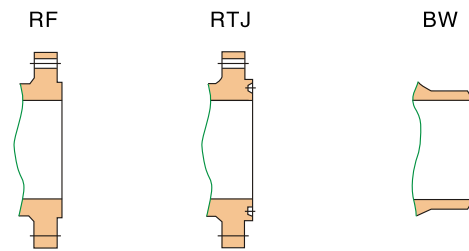
The single valve is installed in front of sealant fitting, double sealing, reliable sealant, the body safety is secured.

### 8、 Double bleed (For trunnion ball valve only)



Oviko valve is installed NPT drain valve and release valve, it can be released pressure and cleaned during the operation of valve.

### 9、 Various end connections



Oviko valve can offer various connection: RF, RTJ, BW, NPT, Wafer, etc.

### 10、 Low torque in operation

The self-lubricated bearings are installed at the friction of stem, resulting in wear resistance, flexibility of operation and low torque.

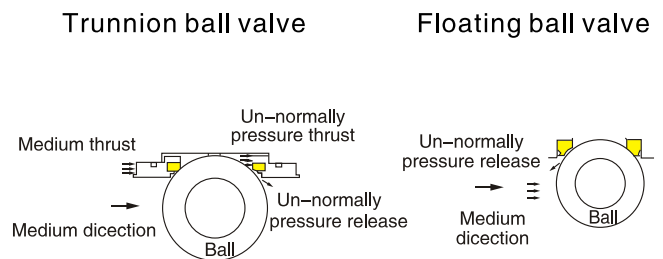
### 11、 Various driving methods

The valve top work dimension is designed according to ISO 5211, which is convenient for connection and exchange of various drivers. The common driving types are manual, worm gear, pneumatic, electrical, hydraulic.

### 12、 Extension stem

For the underground installed valve, the stem can be lengthened and for the convenience of operation, the corresponding compound injection nozzle, drainage valve and release valve can be extended to the top of the valve.

### 13、 Automatic cavity relief



When the body pressure going up un-normally as the unstable factor, the trunnion ball valve downstream seat will be pushed by un-normally pressure, and release the un-normally pressure automatically, it doesn't damage to the sealing of upstream seat. The un-normally pressure which in the floating ball valve body will release the pressure into the upstream pipe directly, it doesn't damage to the sealing of the downstream seat.