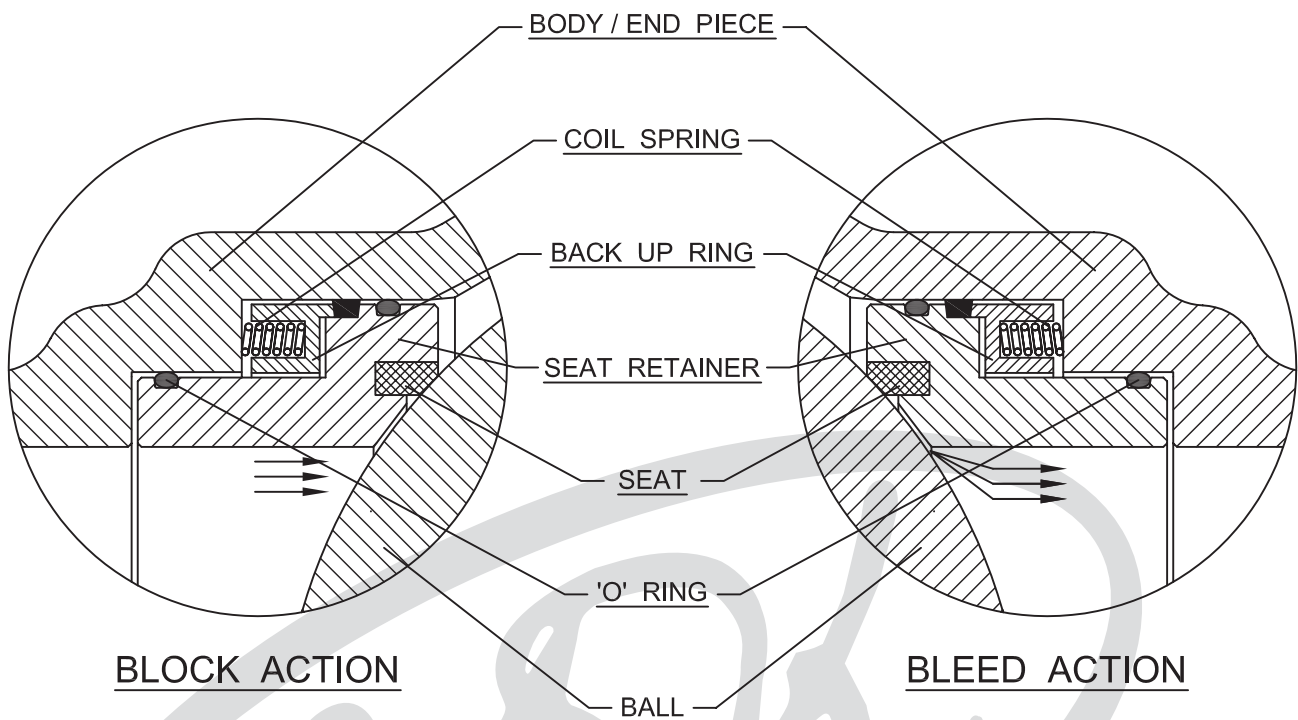


**DOUBLE BLOCK AND BLEED  
FEATURE FOR TRUNNION  
MOUNTED BALL VALVE**

REF. NO.	BVTS 0024		00 REV. NO.
DATE	30. APR. 2008		
SHEET	01	OF	02



**DOUBLE BLOCK AND BLEED FEATURE FOR SOFT SEATED VALVES :**



- DOUBLE BLOCK AND BLEED IS A STANDARD FEATURE FOR BDK TRUNNION MOUNTED BALL VALVES.
- UP STREAM AND DOWN STREAM SEATS ARE OF FLOATING TYPE. THESE SEATS ARE PRESSURE ACTUATED AND SPRING LOADED. THE SEAT SPRING ENSURES POSITIVE BALL SEAT CONTACT AND SEALING AT LOW OPERATING PRESSURE. AT HIGH PRESSURE THE FORCE CREATED BY PRESSURE IT SELF IS ADEQATE TO SEAL. IN THIS WAY BOTH UP STREAM AND DOWN STREAM SEAT SEALS INDEPENDENTLY TO ACHIEVE DOUBLE BLOCK FEATURE.
- WHEN THE CAVITY PRESSURE INCREASES, THE SEATING SYSTEM IS DESIGNED TO AUTOMATICALLY BLEED CAVITY PRESSURE AT THE LOW - PRESSURE SIDE OF THE VALVE.
- FOR SOFT SEATED VALVES THERE SHALL BE NO VISIBLE LEAKAGE WHEN MONITORED FROM EACH SEAT VIA THE VALVE BODY CAVITY VENT OR DRAIN CONNECTION.

PREPARED BY :

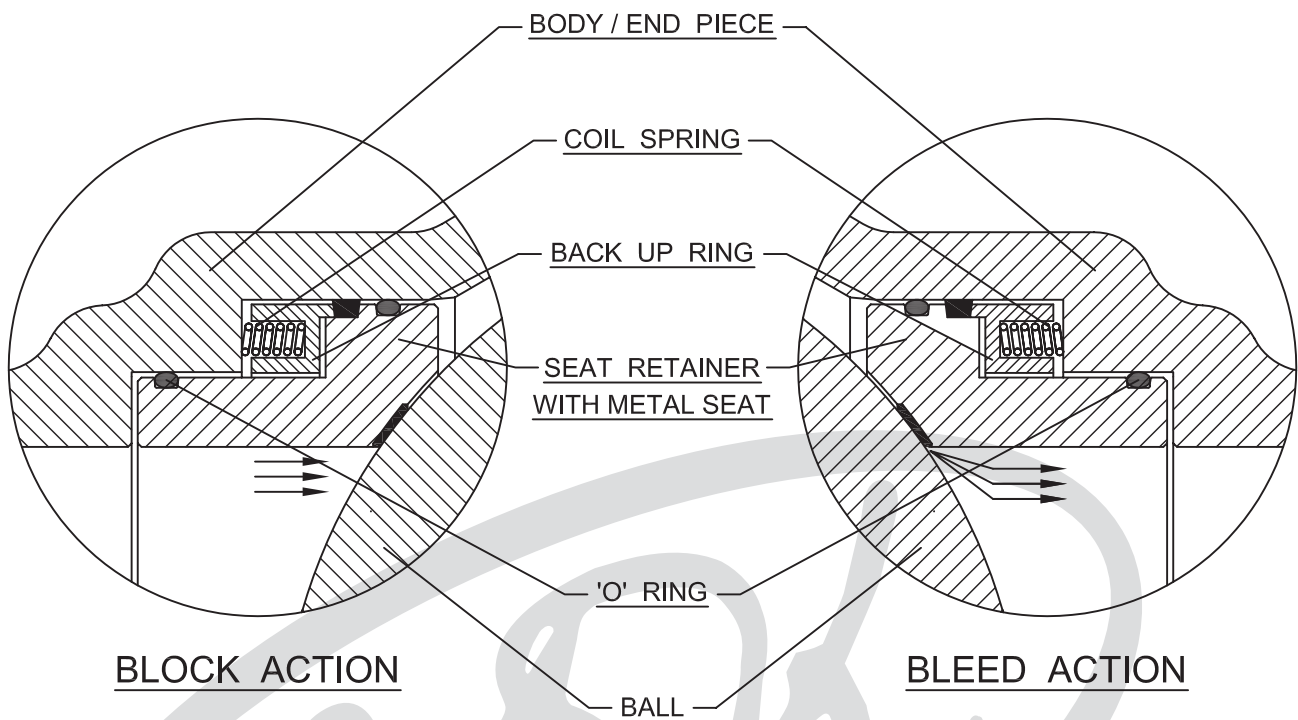
APPROVED BY :

**DOUBLE BLOCK AND BLEED  
FEATURE FOR TRUNNION  
MOUNTED BALL VALVE**

REF. NO.	BVTS 0024		00 REV. NO.
DATE	30. APR. 2008		
SHEET	02	OF	02



**DOUBLE BLOCK AND BLEED FEATURE FOR METAL SEATED VALVES :**



- DOUBLE BLOCK AND BLEED IS A STANDARD FEATURE FOR BDK TRUNNION MOUNTED BALL VALVES.
- UP STREAM AND DOWN STREAM SEATS ARE OF FLOATING TYPE. THESE SEATS ARE PRESSURE ACTUATED AND SPRING LOADED. THE SEAT SPRING ENSURES POSITIVE BALL SEAT CONTACT AND SEALING AT LOW OPERATING PRESSURE. AT HIGH PRESSURE THE FORCE CREATED BY PRESSURE IT SELF IS ADEQUATE TO SEAL. IN THIS WAY BOTH UP STREAM AND DOWN STREAM SEAT SEALS INDEPENDENTLY TO ACHIEVE DOUBLE BLOCK FEATURE.
- WHEN THE CAVITY PRESSURE INCREASES, THE SEATING SYSTEM IS DESIGNED TO AUTOMATICALLY BLEED CAVITY PRESSURE AT THE LOW - PRESSURE SIDE OF THE VALVE.
- FOR METAL SEATED VALVES LEAKAGE SHALL NOT BE MORE THAN TWO TIMES ISO 5208 RATE D WHEN MONITORED FROM EACH SEAT VIA THE VALVE BODY CAVITY VENT OR DRAIN CONNECTION.

PREPARED BY :

APPROVED BY :