

**PFA / FEP LINED BALL VALVE  
TECHNICAL SPECIFICATION**

REF. NO.	BVTS 0021	00 REV. NO.
DATE	25. APR. 2008	
SHEET	01	OF 01



**SECTION 'A'**

- 01. PRODUCT : PFA / FEP LINED BALL VALVE
- 02. PRESSURE RATING : CLASS 150
- 03 . STANDARDS: :
  - DESIGN : BS : EN ISO : 17292 : 2004 (BS : 535) / BS ISO 7121 : 2006 (BS : 5159)
  - FACE TO FACE : ASME B16.10 / EN 558 -2 BASIC SERIES - 3
  - : DIN EN 558-1, BASIC SERIES 1
  - TESTING : EN 12266 -1
- 04. APPLICATIONS : FOR HANDLING OF HIGHLY CORROSIVE LIQUIDS & GASSES ETC IN CHEMICAL & OTHER PROCESS INDUSTRIES.

**SECTION 'B'**

- 01. VALVE SIZES : 15, 20, 25, 40, 50, 65, 80, 100, 150 & 200
- 02. TYPE OF END CONNECTION : FLANGED END
- 03. DRILLING VARIATIONS :
  - CLASS 150 - ASME B16.5
  - PN 10, 16 - EN 1092
  - TABLE - D, E - BS: 10
- 04. VALVE OPERATION :
  - a) LEVER
  - b) WORM GEAR ACTUATOR
  - c) PNEUMATIC ACTUAOR
  - d) ELECTRICAL ACTUAOR
- 05. MATERIAL :
  - a) BODY & END PIECE : DI - ASTM A 395 Gr, 60-40-18
  - STEEL - ASTM A 216 Gr, WCB
  - STAINLESS STEEL - ASTM A 351 Gr, CF8 / CF8M
  - b) BALL & STEM : STAINLESS STEEL - ASTM A 747 Gr, CB7Cu1 - H1075 (17 - 4PH)
  - c) BODY END PIECE & BALL LINING : PFA - ASTM D 3307 Gr, 350 OF DUPONT TYPE - II
  - : FEP - ASTM D 2116 Gr, TE 9302 OF DUPONT TYPE - III
  - : PP
  - d) SEAT STEM SEAL : PTFE - ASTM D 1457 TYPE - II
  - e) FASTENERS : STAINLESS STEEL SS 304
- 06) OPTIONAL FEATURES : LOCKING ARRANGEMENT  
EXTENDED STEM

**NOTE:** 1) FOR OTHER COMPONENTS & ITS MATERIALS, REFER RESPECTIVE SALES DRAWING OR CUSTOMER'S REQUIREMENTS.  
 2) WHEREVER MATERIAL OPTIONS ARE GIVEN IN SALES DRG. S.C. DEPT SHALL INDICATE THROUGH SALES DRG TO PPC  
 3) FOR ANY OTHER CLARIFICATION & SPL. REQUIREMENT CONSULT DESIGN & DEVP.DEPT.

PREPARED BY :

APPROVED BY :