

# METFLOW CONTROLS PRIVATE LIMITED.

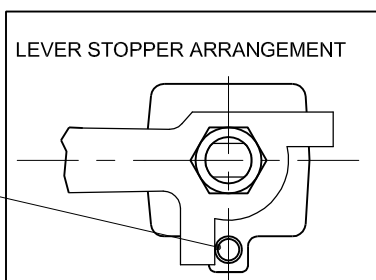
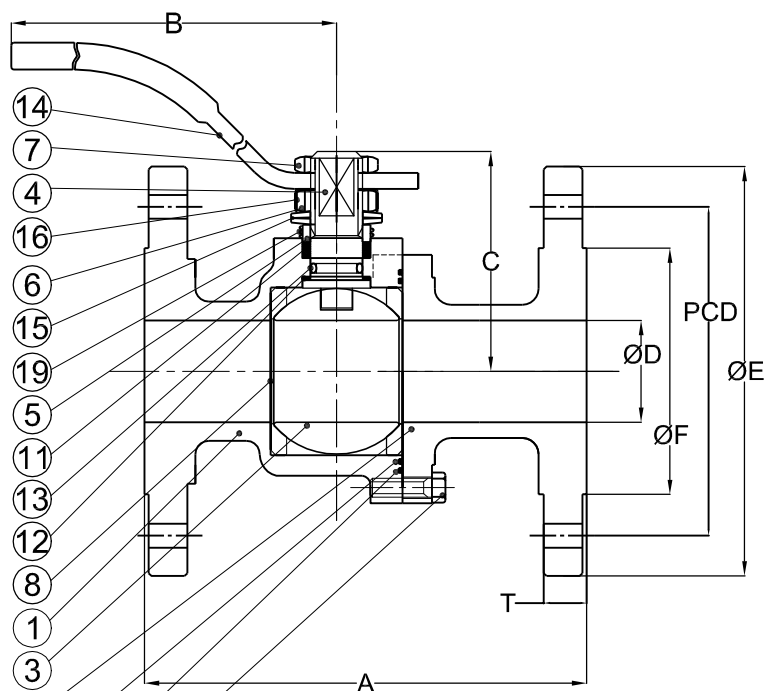


BALL VALVE TWO PIECE, FULL BORE

DATE  
5 JUN. 2007

GA / SALES DRG.NO  
BV / GA / 02

REV. NO  
00



| PART NO. | PART NAME         | MATERIAL OF CONSTRUCTION |     |      |
|----------|-------------------|--------------------------|-----|------|
|          |                   | WCB                      | CF8 | CF8M |
| 1        | BODY              | WCB                      | CF8 | CF8M |
| 2        | END PIECE         | WCB                      | CF8 | CF8M |
| 3        | BALL              | 410                      | 304 | 316  |
| 4        | STEM              | 410                      | 304 | 316  |
| 5        | GLAND             | 410                      | 304 | 316  |
| 6        | GLAND NUT         | 304                      |     |      |
| 7        | LEVER NUT         | 304                      |     |      |
| 8        | SEAT              | ● PTFE/CFT/GFT           |     |      |
| 9        | BODY SEAL         | PTFE                     |     |      |
| 10       | BODY SEAL         | GRAFOIL                  |     |      |
| 11       | STEM SEAL         | GRAFOIL                  |     |      |
| 12       | STEM WASHER       | 25% GFT                  |     |      |
| 13       | 'O' RING          | VITON                    |     |      |
| 14       | LEVER             | STEEL                    |     |      |
| 15       | DISC SPRING       | SPRING STEEL             |     |      |
| 16       | LOCK CLIP         | 304                      |     |      |
| 17       | HEX SCREW         | * ASTM A193 Gr.B8M       |     |      |
| 18       | STOPPER PIN       | SS410/SS304              |     |      |
| 19       | ANTISTATIC SPRING | SS304                    |     |      |

**NOTES:**

- 1) DIM. 'A' IS CONFORMS TO ASME B16.510/EN-558
- 2) APPLICABLE ONLY FOR SIZES 15 TO 50MM
- 3) LEVER WILL HAVE RED COLOURED PVC SLEEVE.
- 4) RAISED FACE FLANGED ENDS AS PER ASME B 16.5.
- 5) \* ASTM A 193 Gr.B7
- 6) FIRE SAFE TESTED AS PER API: 607 4th EDITION.
- 7) ● PTFE FOR NON FIRE SAFE ONLY.

DESIGN STD : BS EN ISO 17292/TESTING STD : EN 12266-1

| CLASS | 150 |     |     |     |       |      |      |      |          |             |            |
|-------|-----|-----|-----|-----|-------|------|------|------|----------|-------------|------------|
| SIZE  | A   | B   | C   | Ø D | E     | F    | T    | PCD  | HOLE DIA | NO.OF HOLES | WEIGHT Kgs |
| 15    | 108 | 120 | 80  | 13  | 90    | 34.9 | 10   | 60.3 | 15.9     | 4           | 1.2        |
| 20    | 117 | 120 | 80  | 20  | 100   | 42.9 | 11   | 70   | 16       | 4           | 1.6        |
| 25    | 127 | 145 | 85  | 25  | 110   | 50.8 | 11.6 | 79.5 | 16       | 4           | 2.3        |
| 32    | 140 | 145 | 90  | 32  | 117.5 | 63.5 | 13   | 89   | 16       | 4           | 3.4        |
| 40    | 165 | 175 | 105 | 38  | 125   | 73   | 15   | 98.5 | 16       | 4           | 4.8        |

| MATL.CODE   | WCB       | CA15      | CF8       | CF8M      | WCB       | 410       | 304       | 316       |
|-------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| MATL.SPECN. | ASTM A216 | ASTM A217 | ASTM A351 | ASTM A351 | ASTM A216 | ASTM A276 | ASTM A276 | ASTM A276 |

| TEST PRESSURES , Bar |       |     |     |
|----------------------|-------|-----|-----|
| CLASS                |       | 150 | 300 |
| HYD                  | SHELL | 30  | 76  |
|                      | SEAT  | 22  | 55  |
| AIR                  | SEAT  | 6.9 |     |

CUSTOMER: \_\_\_\_\_

ORDER NO: \_\_\_\_\_

JOB / PROJECT: \_\_\_\_\_

PREPARED BY: \_\_\_\_\_

CHECKED BY: \_\_\_\_\_

APPROVED BY: \_\_\_\_\_