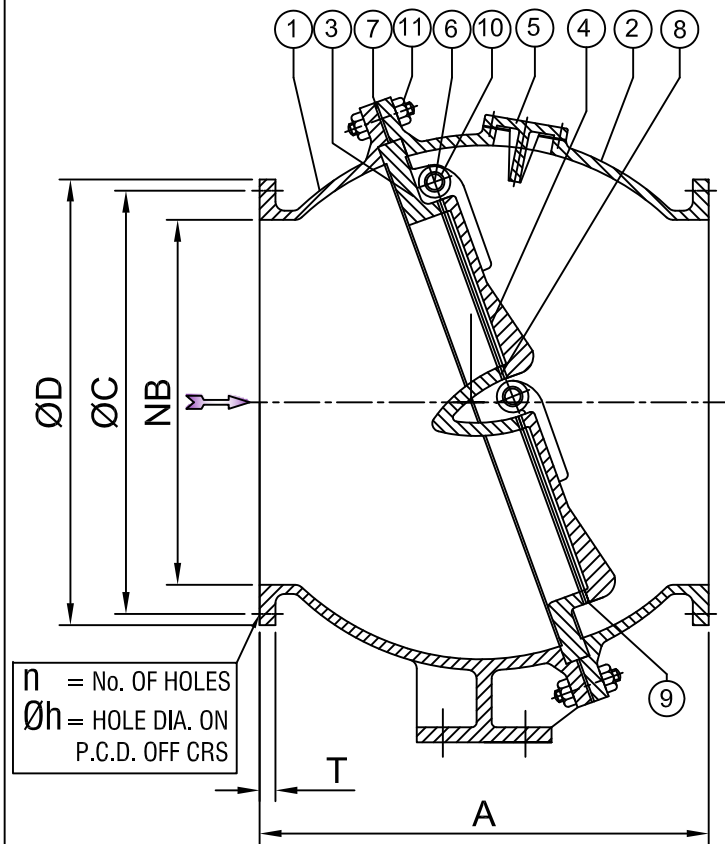
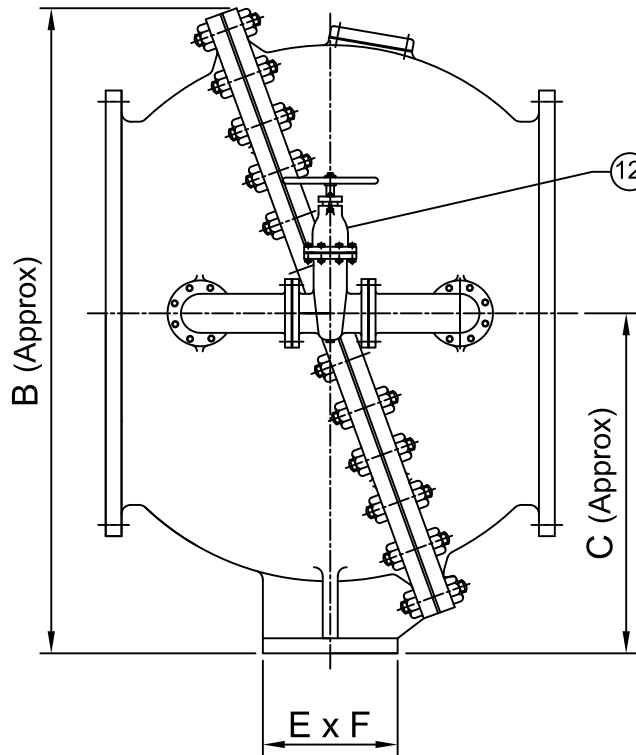




n = No. OF HOLES  
 Øh = HOLE DIA. ON  
 P.C.D. OFF CRS



## PN-20

| 7      | -    | 1200       | 1500 ±5      | 2250          | 1175 | 400 x 450         | 1455 | 53   | 1380            | 32 | 40 | 100 NB |
|--------|------|------------|--------------|---------------|------|-------------------|------|------|-----------------|----|----|--------|
| 6      | -    | 1100       | 1396 ±5      | 2069          | 1080 | 400 x 450         | 1340 | 50   | 1270            | 32 | 37 | 100 NB |
| 5      | -    | 1000       | 1250 ±5      | 1730          | 915  | 300 x 375         | 1230 | 47   | 1160            | 28 | 37 | 100 NB |
| 4      | -    | 900        | 1250 ±5      | 1570          | 815  | 300 x 375         | 1115 | 44   | 1050            | 28 | 34 | 100 NB |
| 3      | -    | 800        | 1118 ±5      | 1634          | 850  | 300 x 375         | 1015 | 41.5 | 950             | 24 | 34 | 100 NB |
| 2      | -    | 750        | 1045 ±5      | 1446          | 750  | 300 x 375         | 960  | 40   | 900             | 24 | 31 | 100 NB |
| 1      | -    | 700        | 1000 ±5      | 1446          | 750  | 300 x 375         | 895  | 38.5 | 840             | 24 | 31 | 100 NB |
| -      | Nos. | NB         | A            | B             | C    | E x F             | ØD   | T    | ØC              | n  | Øh | -      |
| SL. No | QTY. | VALVE SIZE | FACE TO FACE | DIMENSIONS OF |      | FLANGE DIMENSIONS |      |      | SIZE OF BY-PASS |    |    |        |

|                   |  |          |      |          |      |             |
|-------------------|--|----------|------|----------|------|-------------|
|                   |  | 0        | -    | -        | -    | -           |
|                   |  | REV      | ZONE | APPVD BY | DATE | PARTICULARS |
| REFERENCE DRAWING |  | REVISION |      |          |      |             |

## MATERIALS OF CONSTRUCTION

| SL. No. | DESCRIPTION           | MATERIALS & SPECN.       |                       |
|---------|-----------------------|--------------------------|-----------------------|
| 1       | BODY (INLET)          | CAST CARBON STEEL        | ASTM A216 Gr.WCB      |
| 2       | BODY (OUTLET)         |                          |                       |
| 3       | DIAPHRAGM             |                          |                       |
| 4       | DOOR                  |                          |                       |
| 5       | STOPPER               | STAINLESS STEEL          | ASTM A276 TYPE-410    |
| 6       | HINGE PIN / DOOR PIN  |                          |                       |
| 7       | GASKET                | RUBBER                   | IS:638 TYPE-B         |
| 8       | BODY / DIAPHRAGM SEAT | L.T. BRONZE              | IS:318, LTB-2         |
| 9       | DOOR FACE SEAT        |                          |                       |
| 10      | BUSHES                |                          |                       |
| 11      | BOLTS/STUDS & NUTS    | CARBON STEEL             | IS:1367 CL- 4.6 & 4.0 |
| 12      | BY-PASS ARRANGEMENT   | CS DF SLUICE VALVE PN-20 |                       |

### HYDROSTATIC TEST PRESSURE FOR PN-20

BODY TEST PRESSURE :- 30 Kg./Cm<sup>2</sup>(g) WITH WATER DURATION 5 MIN.

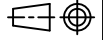
SEAT TEST PRESSURE :- 20 Kg./Cm<sup>2</sup>(g) WITH WATER DURATION 2 MIN.

### NOTES

- ALL DIMENSIONS ARE IN MM. UNLESS OTHERWISE STATED.
- THE SWING CHECK TYPE (MULTI-DOOR) NON RETURN VALVE AS PER IS:5312 (Part-2)/1986
- FLANGED ENDS SHALL BE FLAT FACED & DRILLED TO IS:1538 (Tab- 4 & 6).
- THE ARROW MARK SHALL BE CAST INTEGRALLY ON THE BODY TO INDICATE THE DIRECTION OF FLOW.
- THE VALVES SHALL BE SUITABLE FOR MOUNTING ON HORIZONTAL PIPE LINE.
- PAINTING :- 2 COATS OF RED OXIDE ZINC CHROMATE PRIMER & 2 COATS OF SYNTHETIC ENAMEL AS FINISH PAINT
- MARKING : BRAND NAME / SIZE / RATING / HEAT NO. / SL. NO. & FLOW DIRECTION

### CLIENTS REF.

|            |   |
|------------|---|
| PROJECT    | - |
| P.O. NO.   | - |
| CONTRACTOR | - |
| PURCHASER  | - |

|                                                                                                                                                                           |          |         |                |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|---------|----------------|
| <br><b>DURGA VALVES PRIVATE LIMITED</b><br>ICHAPUR ROAD, CANAL SIDE, HOWRAH-4 (W.B.) | 2017     | INITIAL | DATE           |
|                                                                                                                                                                           | DRAWN    | -       | -              |
|                                                                                                                                                                           | CHECKED  | -       | -              |
|                                                                                                                                                                           | APPROVED | -       | -              |
|                                                                                      |          | -       | SCALE : N.T.S. |
|                                                                                                                                                                           |          | REF No. |                |

TITLE:- CSDF SWING TYPE MULTI-DOOR NON RETURN VALVE WITH BY-PASS ARRANGEMENT.

DRAWING No. : DVPL / CS-MD-NRV / 9260

REV. 0

