



## PRODUCT STANDARD

## HEAT EXCHANGERS

HYDERABAD

HE 5 1059

REV. NO : 03

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DOUBLE THREE WAY  
TRANSFLOW VALVE - FLEXIBLY COUPLED1.0 General:

The specification specifies the requirement of Double Three Way Transflow Valve-Flexibly coupled, which will be connected for on line change over between cooler to standby cooler. During the change over there be neither any interruption of flow nor any pressure drop in the oil circuit.

2.0 Technical detail

## 2.1 Fluid:

Turbine oil - servoprime 46 of IOC having viscosity 70 cst at 30 deg C.

2.2 Temp. of fluid : 70 deg

2.3 Test pressure : As per the enquiry

2.4 Size of valve & rating : As per enquiry

2.5 Distance between centre line of two transflow valves (S) : As per enquiry

2.6 Type : Either Ball or Disc type (Full bore)

## 2.9 Materials:

- Body : Cast carbon ASTM GR WCB or better.
- Ball : Stainless steel AISI 304
- Stem : Stainless steel AISI 304
- Seals : Manufacturer's standard
- Bearings : Manufacturer's standard
- "O" ring : Manufacturer's standard

Revisions :

Refer to record of revisions

Prepared :

V.C.K.

Approved :

D.S.

Date :

10-4-83





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3.0 Arrangement:

- 3.1 Arrangement of valve and flex. coupled shaft. : See 3rd page
- 3.2 Equalizing line : To be included along with ball valve
- 3.3 A position indicator shall be provided to show flow direction
- 3.4 Position of ports : As per 3rd page
- 3.5 Parallality of flanges 1 and 2 (In the 3rd page sketch) shall be  $\pm 1$  mm.

4.0 Testing and inpection:

- 4.1 Hydraulic pressure Test certificate of the valve.
- 4.2 Material Test Certificates of body & Ball/Disc.

5.0 Documents required with offer

- 5.1 Pressure drop curves (Flow Vs pressure drop)
- 5.2 Overall Dimensional drgs.
- 5.3 Cross sectional drgs. with recommended spare parts.

6.0 Final Documents required after placement of order:

- 6.1 10 copies of O&M manuals.
- 6.2 10 copies of overall dimensional drgs.
- 6.3 10 copies of cross section drgs.





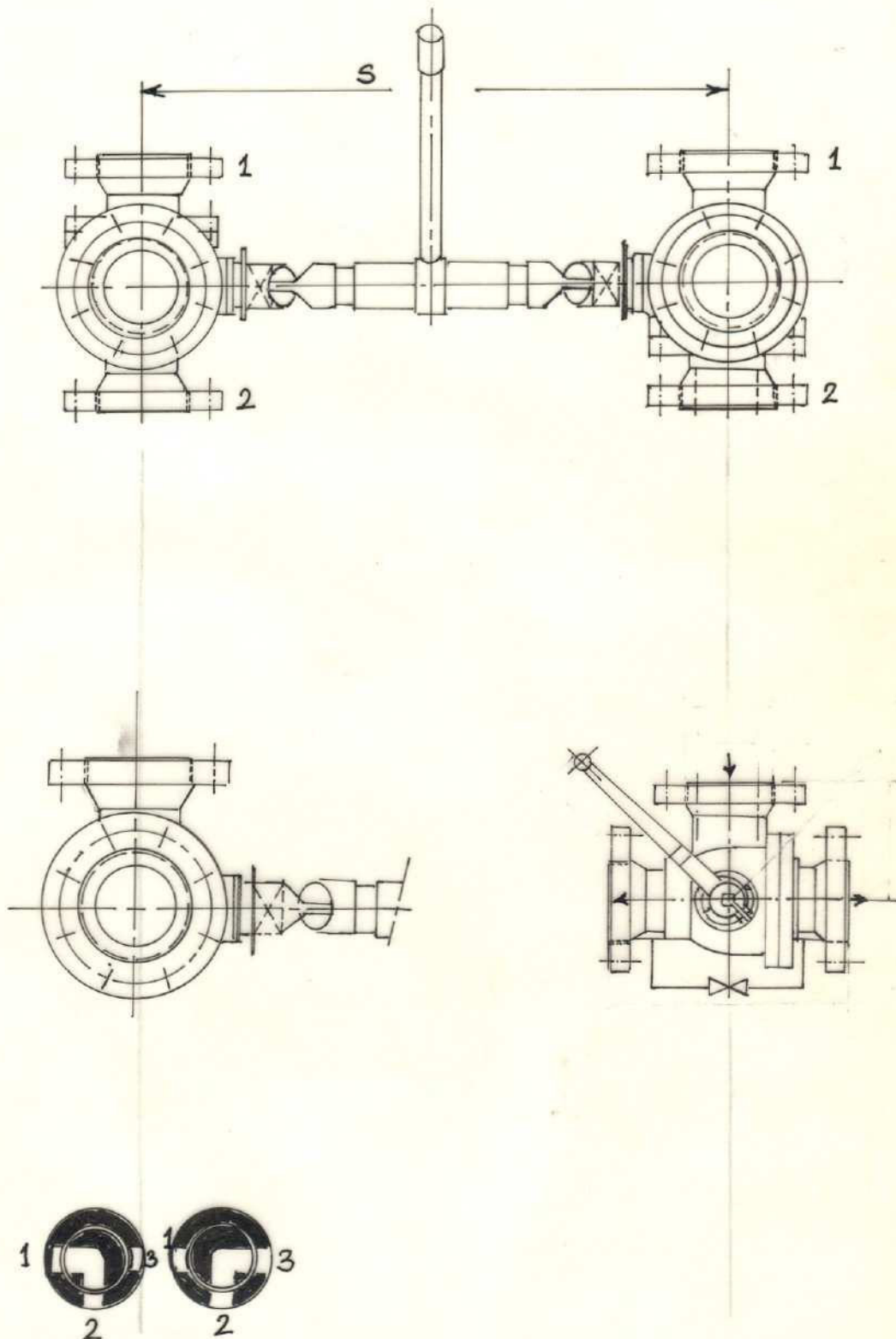
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