

## JACKETED VESSELS

For special applications, cylindrical vessels can be supplied with a jacket for heating or cooling. Jacket is sealed to the vessel with Viton 'O' ring and other sealing compositions. The seal prevents high stresses between vessel and jacket by allowing the movement flexibility between two due to thermal expansion.

### Glass Jackets

Glass Jacket can be used for a maximum operating pressure of 0.5 bar and a maximum operating temperature of 130°C in jacket. The temperature difference between jacket & vessel should not be exceed than 120°C

| Cat. Ref.    | L    | L1   | L2  | A   | B   | D1  | D2  | DN  | DN1 | DN2 | TYPE |
|--------------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|------|
| VZD5/6       | 500  | 325  | 125 | 75  | 275 | 165 | 215 | 150 | 25  | 25  | A    |
| VZD10/9      | 575  | 400  | 125 | 90  | 340 | 230 | 280 | 225 | 25  | 25  | B    |
| VZD20/12     | 625  | 450  | 125 | 100 | 385 | 315 | 370 | 300 | 25  | 40  | B    |
| VZD30/12     | 750  | 575  | 175 | 100 | 510 | 315 | 370 | 300 | 25  | 40  | B    |
| VZD50/12/14  | 1050 | 875  | 175 | -   | -   | 315 | 365 | 300 | 25  | 40  | C    |
| VZD50/16/20  | 825  | 650  | 175 | -   | -   | 415 | 500 | 400 | 25  | 40  | C    |
| VZD100/20/24 | 955  | 780  | 175 | -   | -   | 516 | 600 | 500 | 25  | 40  | C    |
| VZD200/24/28 | 1175 | 1000 | 175 | -   | -   | 615 | 700 | 600 | 25  | 40  | C    |

## JACKETED VESSELS (TRIPLE WALL)

Goel is presenting Flexi (Detachable) "Transparent Double Jacketed Vessel" to maintain the leading position in industry by way of developing indigenously newer products with higher value towards their Mission and to cater the customer via innovation.

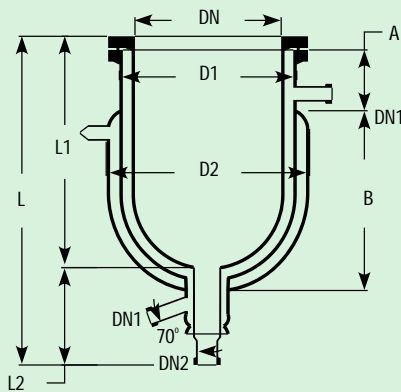
### Salient Features

Vacuum Jacket ensures

- Transparent insulation.
- Minimum heat loss
- Process visibility.
- Minimize frost formation for cryogenics operation.

Vacuum Jacket & main vessels are detachable ensures

- Ease of cleaning.
- No breakages due to thermal expansion.
- Partial Replacement of any part can be possible reduce the maintenance cost.

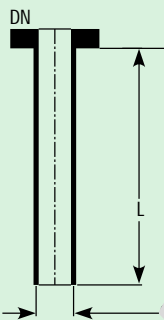


| Cat. Ref.   | L   | L1  | L2  | A   | B   | D1  | D2  | DN  | DN1 | DN2 |
|-------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| VZT5/6/8    | 620 | 350 | 175 | 75  | 310 | 215 | 275 | 150 | 25  | 25  |
| VZT10/9/12  | 700 | 420 | 175 | 90  | 370 | 315 | 390 | 225 | 25  | 25  |
| VZT20/12/14 | 675 | 500 | 175 | 125 | 368 | 365 | 423 | 300 | 25  | 40  |
| VZT50/16/18 | 825 | 650 | 175 | 200 | 350 | 465 | 523 | 400 | 25  | 40  |

## DIP PIPES

Dip pipes are used as liquid inlet for spherical vessels.

| Cat. Ref.  | For Vessel | DN | DN1 | d  | L   |
|------------|------------|----|-----|----|-----|
| DP20/1*    | 20 L       | 25 | 25  | 12 | 300 |
| DP50/1.5*  | 50 L       | 40 | 25  | 19 | 400 |
| DP100/1.5* | 100 L      | 40 | 25  | 19 | 500 |
| DP200/1.5* | 200 L      | 40 | 25  | 19 | 600 |



## SHORT DIP PIPES

Short dip pipes are used as re-entry tubes for vessels, heat exchangers etc.

| Cat. Ref. | DN  | DN1 | d  | L   | L1  |
|-----------|-----|-----|----|-----|-----|
| DP1/1     | 25  | 25  | 12 | 100 | 100 |
| DP1.5/1   | 40  | 25  | 19 | 100 | 100 |
| DP1.5/1.5 | 40  | 40  | 19 | 100 | 100 |
| DP2/1     | 50  | 25  | 25 | 100 | 100 |
| DP2/1.5   | 50  | 40  | 25 | 100 | 100 |
| DP3/1.5   | 80  | 40  | 37 | 100 | 125 |
| DP4/1     | 100 | 25  | 25 | 100 | 150 |
| DP4/2     | 100 | 50  | 50 | 100 | 150 |