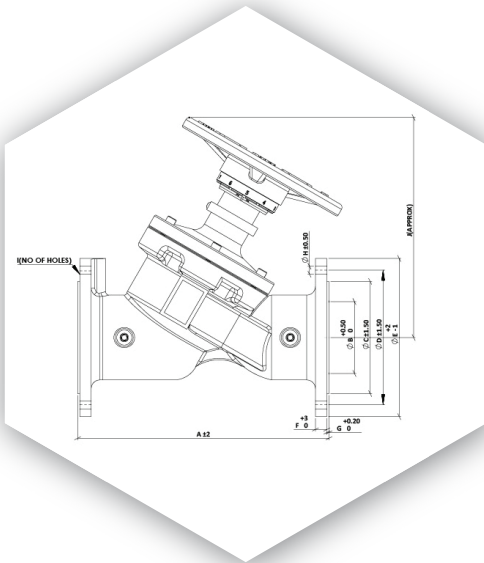


### VARIABLE ORIFICE DOUBLE REGULATING VALVE - VODRV (PLDIVODRV25)



#### DIMENSIONAL DRAWINGS



#### DIMENSIONS & WEIGHTS

| Size  | A   | B   | C   | D   | E   | F     | G    | H  | I  | J   | Weight (kg) |
|-------|-----|-----|-----|-----|-----|-------|------|----|----|-----|-------------|
| 65 MM | 290 | 65  | 118 | 145 | 200 | 16.00 | 3.00 | 19 | 4  | 262 | 14.30       |
| 80 MM | 310 | 80  | 132 | 160 | 220 | 16    | 3    | 19 | 8  | 267 | 21.40       |
| 100MM | 350 | 100 | 156 | 180 | 250 | 16    | 3    | 19 | 8  | 300 | 31.10       |
| 125MM | 400 | 125 | 184 | 210 | 285 | 16    | 3    | 19 | 8  | 325 | 42          |
| 150MM | 480 | 150 | 211 | 240 | 340 | 16    | 3    | 23 | 8  | 340 | 62          |
| 200MM | 600 | 200 | 266 | 295 | 400 | 17    | 3    | 23 | 12 | 525 | 118         |
| 250MM | 730 | 250 | 319 | 355 | 455 | 19    | 3    | 28 | 12 | 575 | 201         |
| 300MM | 850 | 300 | 370 | 410 |     | 20.5  | 4    | 28 | 12 | 645 | 256         |

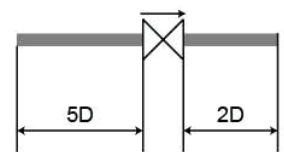
Bigger sizes can be provided as per request

#### FEATURES & BENEFITS

- Double regulating feature allow the valve to be used for isolation to be re-opened to its pre-set position to maintain required flow rate.
- Built-in measuring nipple (test point 3mm) for flow measurement based on Kv methodology.
- Has sufficient authority to regulate flow in circuit incorporating the flow measuring device.

#### INSTALLATION

Always install the valve with the arrow on the body in the same direction of flow. In order to avoid turbulence, which will effect the measuring accuracy, it is recommended to have a straight length of pipe up and down stream from the valve as shown (D-diameter of pipe)



#### MATERIAL SPECIFICATION

| Part No. | Part Name             | Material                                  |
|----------|-----------------------|-------------------------------------------|
| 1        | BODY                  | DUCTILE IRON : BS EN 1563 EN-JS1030       |
| 2        | BONNET                | DUCTILE IRON : BS EN 1563 EN-JS1030       |
| 3        | BONNET GASKET         | NON-ASBESTOS                              |
| 4        | DISC                  | EPDM RUBBER COATED DUCTILE IRON           |
| 5        | DISC BUSH             | BRONZE : BS EN 1982 CC 491K               |
| 6        | STEM                  | STAINLESS STEEL : BS EN 10088-1 GR.1.4006 |
| 7        | GLAND (65 TO 150MM)   | BRASS                                     |
| 8        | GLAND (200 TO 300 MM) | CAST IRON : BS EN 1561 EN 12165 CW 602N   |
| 9        | GLAND NUT             | DZR COPPER ALLOY : BS EN 12165 CW 602N    |
| 10       | PACKING               | NON-ASBESTOS                              |
| 11       | SEAT RING             | BRONZE : BS EN 1982 CC 491K               |
| 12       | HAND WHEEL            | DUCTILE IRON : BS EN 1563 EN-JS1030       |
| 13       | TEST POINT            | DZR COPPER ALLOY : BS EN 12065 CW 602N    |

#### PRESSURE / TEMPERATURE RATING

|                 |               |
|-----------------|---------------|
| Pressure Rating | 25 bar        |
| Temperature     | -10 to 120 °C |

#### TEST PRESSURES

|       |          |
|-------|----------|
| Shell | 37.5 bar |
| Seat  | 27.5 bar |

#### SPECIFICATION

- Hand operated with micro-meter style indicator.
- Globe type Y-pattern with characterised throttled disc with equal percentage.
- Confirms to BS7350 for flow measurement and regulations.
- Mounted on flow or return pipe.
- Shut-off function for service & repair.
- Design standard : BS7350
- Testing standard : BS EN12266-2

TFL Valves Quality Policy Is Complete Satisfaction Of Customers. According To That We Have Selected QUALITY As A Strategic factor in application to all our organization. Our purpose is to reinforce competitiveness, to ensure customer satisfaction, to improve process related with product quality and guarantee accomplishment of quality requirements.