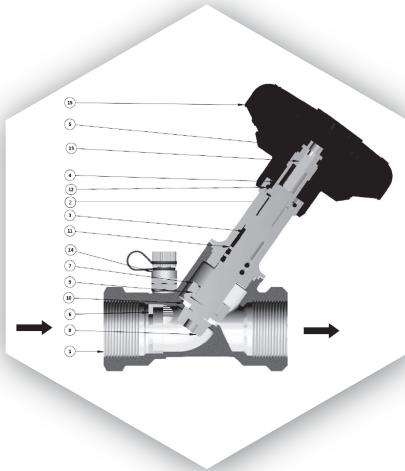


### BRONZE FIXED ORIFICE DRV (PLBNFODRV25)

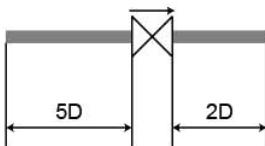


### DIMENSIONAL DRAWINGS



### INSTALLATION

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



### DIMENSIONS & WEIGHTS

Size	A	B	Weight (kg)	kv
15 MM	87	110	0.61	1.87
20 MM	86	111	0.65	3.14
25MM	100	132	0.95	5.59
32MM	114	133	1.13	10.8
40MM	125	148	1.52	18.1
50MM	146	149	1.98	29.1

### FEATURES & BENEFITS

- Provide precise and accurate flow measurements.
- Integral square edged orifice plate and test points(3mm) fitted feature allows valve opening to be set within Allen key.
- Build in measuring nipples(test points) for flow measurement based on kv methodology.
- The double regulating wall with its integral fixed orifice.
- Design offers an accuracy of  $\pm 5\%$  on all settings for precise flow regulation and the measurement.
- The female threaded ends allows for ease of installation.
- Screw in Bonnet for service where in frequent maintenance is required.
- Quickly and easily Installed using a press-fit tool.
- Provide flow control at all settings.

### MATERIAL SPECIFICATION

Part No.	Part Name	Material
1	BODY	BRONZE:BS EN 1982 CC491K
2	BONNET	DZR COPPER ALLOY:BS EN 12165 CW602N
3	STEM	DZR COPPER ALLOY:BS EN 12165 CW602N
4	DRIVE NUT	DZR COPPER ALLOY:BS EN 12165 CW602N
5	HANDWHEEL RETAINER	DZR COPPER ALLOY:BS EN 12165 CW602N
6	ORIFICE RING	DZR COPPER ALLOY:BS EN 12165 CW602N
7	DISC	DZR COPPER ALLOY:BS EN 12165 CW602N
8	BALANCING CONE	DZR COPPER ALLOY:BS EN 12165 CW602N
9	STEM 7 DISC LOCK	DZR COPPER ALLOY:BS EN 12165 CW602N
10	SEAT	PTFE:PTFE(WRAS APPROVED)
11	O-RING	RUBBER: EPDM(WRAS APPROVED)
12	SNAP RING	MILD STEEL: ASTM A 105 (CHROME PLATED)
13	SOCKET SCREW	CARBON STEEL: ASRM A307 Gr.8
14	TEST POINT	HIGH TENSILE BRASS/DZR BRASS: BS 2874 Gr.CZ 114/BS 2874 Gr. CZ 132/BS EN 12165 CW602N
15	HANDWHEEL	PLASTIC: NYLON 6(15% GLASS RE-INFORCED)

### PRESSURE / TEMPERATURE RATING

Pressure Rating	25 bar
Temperature	-10 to 85 °C

### TEST PRESSURES

Shell	37.5 bar
Seat	27.5 bar

### SPECIFICATION

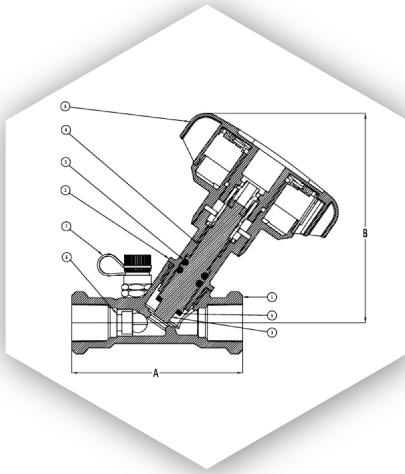
- Hand wheel operated with micrometre indication.
- Y-Pattern globe type design.
- Conforms to BS 73 50 for flow measurements and regulation.
- Y – pattern globe Having characteristics throttling disc with equal percentage.
- Performance mounted on flow or return pipe.
- Shut – off function for service and repair.
- End connection threaded to BS EN 10226 (ISO 7-1).
- Testing standard: BS EN 12266-2.

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.

### PB2 BRONZE FIXED ORIFICE DOUBLE REGULATING VALVE (PLBNFODRV25)

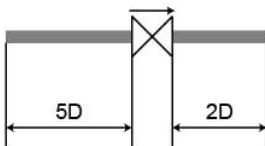


#### DIMENSIONAL DRAWINGS



#### INSTALLATION

Always install the valve with the arrow on the body in the same directions of flow. In order to avoid turbulence, which will affect 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)



#### DIMENSIONS & WEIGHTS

Size	A	B	Weight (kg)	kv
15 MM	87	110	0.61	1.87
20 MM	86	111	0.65	3.14
25MM	100	132	0.95	5.59
32MM	114	133	1.13	10.8
40MM	125	148	1.52	18.1
50MM	146	149	1.98	29.1

#### FEATURES & BENEFITS

- Provide precise and accurate flow measurements.
- Integral square edged orifice plate and test points(3mm) fitted feature allows valve opening to be set within Allen key.
- Build in measuring nipples(test points) for flow measurement based on kv methodology.
- The double regulating wall with its integral fixed orifice.
- Design offers an accuracy of  $\pm 5\%$  on all settings for precise flow regulation and the measurement.
- The female threaded ends allows for ease of installation.
- Screw in Bonnet for service where in frequent maintenance is required.
- Quickly and easily Installed using a press-fit tool.
- Provide flow control at all settings.
- Lead content of the Valve PB $\leq$ 2% ensure suitability of the material for potable water applications.

#### MATERIAL SPECIFICATION

Part No.	Part Name	Material
1	BODY	PHOSPHOR BRONZE (BS:1400:PB2)
2	BONNET	DZR COPPER ALLOY: BS EN12165CW 602N
3	DISC	PHOSPHOR BRONZE (BS:1400:PB2)
4	STEM	DZR COPPER ALLOY: BS EN 12165 CW 602 N
5	O- RING SEAL	RUBBER – EPDM
6	ORIFICE INSERT	PHOSPHOR BRONZE (BS:1400:PB2)
7	TEST POINT	DZR COPPER ALLOY: BS EN 12165 CW 602N
8	HANDWHEEL	PLASTIC

#### PRESSURE / TEMPERATURE RATING

Pressure Rating	25 bar
Temperature	-10 to 130 °C

#### TEST PRESSURES

Shell	37.5 bar
Seat	27.5 bar

#### SPECIFICATION

- Hand wheel operated with micrometre indication.
- Y-Pattern globe type design.
- Conforms to BS 73 50 for flow measurements and regulation.
- Y – pattern globe Having characteristics throttling disc with equal percentage.
- Performance mounted on flow or return pipe.
- Shut – off function for service and repair.
- End connection threaded to BS EN 10226 (ISO 7-1).
- Design standard : BS EN12288: 2010 PN20.
- Testing standard: BS EN 12266-2.

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