# TREBLE R FABRICATIONS

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## **BELLMOUTH / HYDROSTATIC** VALVES

Bellmouths are a devise for controlling the level of sludge/water in a sewage treatment works and most chambers have a NP16 connection at the base of the chamber.

Most Bellmouths, better known as hydrostatic valves are controlled via a rising spindle connected to the top bell of the adjustable tubing.

Operation is via a manual handwheel or electrical motor.



## **Bellmouths / Hydrostatic Valves**

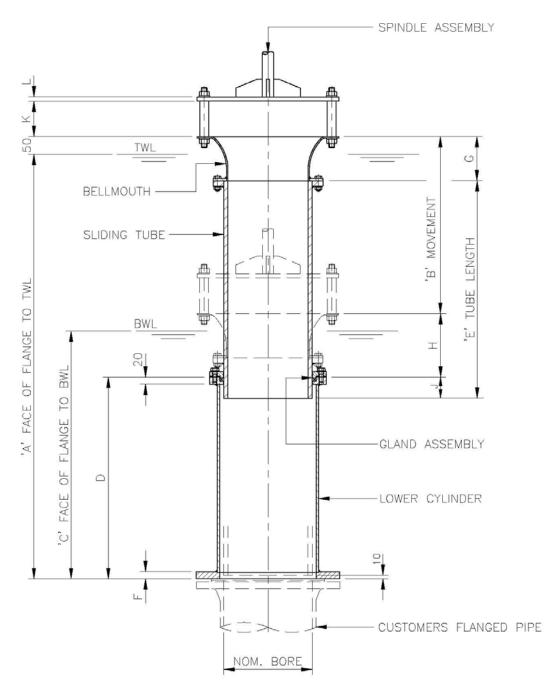
<b>Operating Duty</b>	
Application:	Flow control and isolation
Type of Mounting:	Pipe
Type of Media:	Water and Sewage

Options	
Mounting:	NP10 / PN16
Stem Types:	Rising only
Size Range:	Any size from 150mm to 600mm Nominal Bore

## **Construction Materials**

ITEM	DESCRIPTIO	N MATERIAL
1	Body	Mild Steel, BS 4360 Gr 43A
		Stainless Steel, BS 970 Gr 304
		Stainless Steel, BS 970 Gr 316
2	Bellmouth	Mild Steel, BS 4360 Gr 43A
		Stainless Steel, BS 970 Gr 304
		Stainless Steel, BS 970 Gr 316
3	Sliding Tube	UPVC
4	Seals	Rope
5	Stem	Stainless Steel, BS 970 Gr 304
		Stainless Steel, BS 970 Gr 316
6	Fasteners	Stainless Steel. BS 6105, Gr A4
7	Pillar	Mild Steel, BS 4360 Gr 43A
		Stainless Steel, BS 970 Gr 304
		Stainless Steel, BS 970 Gr 316

### **BELLMOUTH DIMENSIONS**



NOTES:

DIMENSIONS 'A', 'B', & 'C' ARE TO BE PROVIDED BY THE CUSTOMER. A  $_{\mbox{\scriptsize MIN}}=~2B\mbox{\scriptsize H}\mbox{\scriptsize H}\mbox{\scriptsize J}\mbox{\scriptsize -40}$ 

DIRECT LIFT HYDROSTATIC VALVE - DIMENSIONS TABLE											
NOMINAL BORE	A	В	С	D	E	F	G	Н	J	K	L
100MM				C-106	B+116	15	110	156	70	100	12
150MM				C-106	B+116	15	110	156	70	100	12
200MM				C-106	B+116	15	110	156	70	100	12
225MM				C-106	B+116	15	110	156	70	100	12
250MM				C-121	B+116	20	125	171	70	100	12
300MM				C-121	B+116	20	125	171	70	100	12
350MM				C-210	B+150	20	200	260	90	150	15
400MM				C-210	B+150	20	200	260	90	150	15
450MM				C-210	B+150	20	200	260	90	150	15
500MM											

#### **Bellmouths / Hydrostatic Valves Specification**

The Treble R Fabrications hydrostatic draw-off valve can be used for regulating the flow to the filter beds and desludging of activated-sludge or humus tanks.

Hydrostatic valves are supplied for connection to flanges in accordance with BS4504, PN16 rated.

Features

- Robust contruction
- Low maintenance
- Continuous adjustment
- Adjustment to customer requirements

**Options** 

- Alternative materials for guide rods, fasteners etc.
- Extensive range of operating equipment
- Alternative flange mounting specification

#### MATERIAL SPECIFICATION

#### Cylinder

Constructed in Painted Mild Steel suitable for flange mounting applications. Length is calculated to suit customer levels and adjustment.

Bellmouth

Constructed in Painted Mild Steel for fitting to the tube.

Gland

Constructed in Painted Mild Steel to provide a seal between the tube and cylinder. *Bridge* 

Constructed in Painted Mild Steel to provide a connection between the bellmouth/tube and operating equipment.

Tube

Manufactured from PVC to provide fluid level adjustment for bellmouth and flow into pipe work system.

Gland Packing

The 'stuffing-box' arrangement between the tube and cylinder is packed with greasy hemp and retained by the gland.

Fasteners

'Standard' fasteners are supplied in Grade A4 Stainless Steel

#### Alternative Materials

A wide range of alternative materials can be supplied for operating stems, guide rods, gland packing, fasteners etc.

The method of operation will depend on several factors which are outside the control of the manufacturer. However, the range of operating equipment available is extensive. Refer to Penstock/Sluice Gate selection.

When enquiring please give: -

- 1. Distance from base flange to TWL
- 2. Distance from TWL to underside of pillar
- 3. Depth of adjustment required

Notes:-

1. Pillar support brackets can be provided to suit outreaches (wall face to centre-line of stem) of up to 450mm maximum. When the outreach is greater we suggest the pillar is supported on rolled steel channels.