

# TREBLE R FABRICATIONS

UNIT 42 – CROSSGATE ROAD – PARK FARM INDUSTRIAL ESTATE – REDDITCH – WORCS – B987SN

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## BELLMOUTH / HYDROSTATIC VALVES

Bellmouths are a device 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.



BELLMOUTH/HYDROSTATIC VALVES

## **Bellmouths / Hydrostatic Valves**

### **Operating Duty**

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**

<b>ITEM</b>	<b>DESCRIPTION</b>	<b>MATERIAL</b>
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



## **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 construction
- 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.