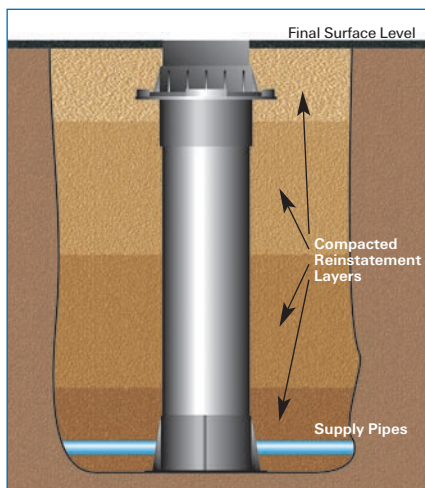


# Talbot

## Stopvalve Chamber Systems

### Benefits

- *The tough materials used in the manufacture of the Talbot Chamber System offer long product life and secure operation.*
- *The system is quick and easy to use and install especially when used in conjunction with Talbot stopcocks and plugcocks.*
- *Just two sizes of chamber base will suit all stopvalves from 20mm (1/2") to 63mm (2").*
- *PVC guard tubes are available in 6" for standard applications and 4" for use in congested trench conditions.*
- *The combination of two sizes of chamber base and guard tube, gives the complete system the flexibility to meet customers exact needs.*



As with all chamber systems it is important to ensure that the correct procedure is followed when installing the product, especially when reinstating or backfilling the site. The diagram above provides a general overview of the optimum arrangement of backfill material and compaction. Supplies should also be flushed before connecting in order to avoid any contamination. More detailed instructions are supplied with each product and are also available on request from our customer service team at the telephone number shown below.

The Talbot range of Stopvalve Chambers and Surface Boxes provide a robust housing for an underground stopcock or similar shut off device, keeping it upright and easily accessible. The system is made from carefully selected plastics which are lightweight for easy handling and installation and high strength for secure operation and durability.



### Technical data

#### General Sizes:

Height: 6" Systems

Complete height: 700mm large base systems: 940mm

Complete height: 700mm small base systems: 880mm

Complete height: 625mm large base systems: 740mm

Complete height: 625mm small base systems: 690mm

Height: 4" Systems

Complete height: 625mm system: 880mm

Internal Surface Box aperture: 190mm x 265mm

**Material:** Surface Box Lid and Frame: Polypropylene  
 Surface Box Lid Hinges: Polyamide  
 Surface Box Detector Plate: Zinc plated steel  
 Chamber Base: Polypropylene  
 Guard Pipe: uPVC

#### Standards:

The Talbot stopvalve chamber system is designed to comply with Water Industry Specification No: 4-37-01, BSEN124, and BS5834 part 2 grade 'c' withstanding a 1 tonne loading. Talbot chamber systems are designed for an asset life in excess of 50 years subject to normal operating and maintenance conditions.

#### Shipment and Storage:

Systems are pre-assembled and should be stored as delivered. Please note that to avoid degradation of uPVC pipe the system should be protected from prolonged exposure to sunlight if stored in the open air.

### General application

The Talbot stopvalve chamber system is designed to house a below ground stopcock or similar shut off device, firmly holding it in a clean and easily accessible environment for secure and simple operation and maintenance.

#### Range

6" x 700mm guard tube for 20 - 32mm stopvalves

6" x 700mm guard tube for 40 - 63mm stopvalves

6" x 625mm guard tube for 20 - 32mm stopvalves

6" x 625mm guard tube for 40 - 63mm stopvalves

4" x 625mm guard tube for 20 - 32mm stopvalves

### Safety

As with all industrial products it is important to take adequate safety precautions such as the use of adequate protective clothing like gloves, overalls, eye protection and safety footwear during use, maintenance and installation.

### Technical help

For further technical data, product specifications and general information please contact our Customer Service Department at the telephone number shown below.

## Surface Box

The Talbot polypropylene surface box is very robust with good strength and durability characteristics. It is made from a grade of polypropylene chosen to give maximum toughness and rigidity at temperatures ranging from -15°C to +40°C. In the unlikely event of the lid becoming damaged it can be replaced whilst the surface box is in situ, removing the need to incur expensive reinstatement costs. When supplied separately from the Chamber System the boxes stack within each other for easy handling and storage. The boxes are usually supplied in either black polypropylene for water (marked 'W') or yellow polypropylene for gas (marked 'G'). Custom made box lids are available to suit individual needs.



Talbot surface box

Customers own surface box



## Universal Surface Box Adaptor

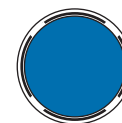
The 'universal' design of the surface box adaptor ensures it fits any surface box to BS 5834: Part 2: 1983, of cast iron, aluminium or plastic. The surface box may have either a circular flange (max. diameter of 224mm) or a square flange (max. size 195 x 195mm). The adaptor will also suit the top section of concrete chambers (maximum concrete down spigot, 195 x 195mm).



The Talbot surface box adaptor suits both:

Square flanged surface boxes with a minimum size of 195mm x 195mm

Circular flanged surface boxes with a minimum diameter of 224mm



Surface box adaptor

## Guard Tube and 4" to 6" Top Adaptor

The guard tube is either of 6" or 4" diameter depending on customer needs. The 6" tube comes in 700mm or 625mm lengths and gives good access and visibility to the stopvalve. The 4" guard tube is supplied in lengths of 625mm and is ideally suited to congested trench conditions. Both types of tube can be cut to the customers exact needs on site. When using the 4" guard tube a special top adaptor is needed, this enables the universal surface box adaptor to fit the 4" system.



4" to 6" top adaptor

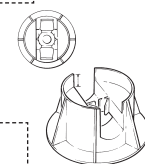


6" Guard tubes

4" Guard tube

## Stopvalve Chamber Base

The one piece universal base holds all stopcocks (screwdown and plug type). The stopvalve is simply pushed between two sets of flexible support arms which hold it firmly upright. The base also has a hole in the stopvalve platform which accepts the base nut of plug type stopvalves, enabling them to sit firmly in the base. The base has six full length external flutes which stop the assembly twisting in the ground and adds rigidity to the unit. The base also has a significant socket depth that prevents inadvertent separation from the guard tube. There are three sizes of base, two for use with the 6" diameter guard tube and one for the 4" tube. The small base for the 6" tube suits 20 to 32mm stopvalves and the larger one for the 6" tube suits 40 to 63mm stopvalves. The base for the 4" guard tube suits only 20 to 32mm stopvalves.



6" large base. (For 40 - 63mm stopvalves)

6" small base. (For 20 - 32mm stopvalves)

4" base. (For 20 - 32mm stopvalves)

## Tyco Waterworks

Edison Road  
Hams Hall Distribution Park  
Coleshill  
Birmingham

B46 1AB United Kingdom

Telephone: +44 (0)1675 437 900

Facsimile: +44 (0)1675 437 909

e-mail: [wwinfo@tyco-valves.com](mailto:wwinfo@tyco-valves.com)

web: [www.tycowaterworks.com](http://www.tycowaterworks.com)

