



## boundary boxes



**EBCO**

**tyco** / Flow Control / **Tyco Waterworks**

# water in total control at the property boundary



A boundary box provides the connection point between the mains water supply and the consumer property. This point may be used for several associated functions such as metering, filtration, sampling, pressure regulation, leak detection etc.

Edward Barber & Co. Ltd. manufacture and market a wide range of boundary box designs and associated valve equipment, conforming to all relevant water industry standards. These high quality products are designed to provide an asset life of 50 years, subject to normal operating conditions.

All of the boxes provided by Edward Barber & Co. Ltd conform to Water Industry Standard WIS 4-37-01, fully meet WRc and Regulation 25, and all are UKWFS listed.

Each box assembly is tested in excess of the applicable industry or customer specification and is backed by full after sales support.

Edward Barber & Co. Ltd have pioneered the development and use of injection moulded spherical control valves giving positive and reliable 90° operation and minimum head loss. Optional 360° units are available.

Alternatively, where required, conventional gunmetal spherical and screwdown stop valves are available. For full details of all accessories, please see the relevant EBCO data sheets.



## STANDARD PATTERN BASE BOX

Robust flat base designed to sustain heavy surface loads - clearly marked inlet / outlet. Constructed from 750mm tube, cut to the required depth on site.

- Base valve for reduced cost
- Available with either a Ductile Iron or plastic lid
- Low minimum depth of 350mm
- 25mm 'Pushfit' ends can be converted to 3/4" BSP Female



## SEALED TELESCOPIC BOX

A light, one piece unit with a slope/tilt plastic lid secured to the upper guard tube. Both the inner & outer guard tube can be removed from the base during installation and cut to site requirement if needed. Height adjustment from 550 to 900mm, 360 deg. rotational, 6 deg. slope/tilt alignment.

- Fully sealed (air & water)
- Raised Pattern Valve
- 25mm 'Pushfit' ends can be converted to 3/4" BSP Female



## SEALED GUN-METAL CONTAMINATED GROUND BOX

A Gunmetal Valve Manifold with proven immunity to corrosive and contaminated soil conditions. Its robust flat base is designed to sustain heavy surface loads and has a clearly marked inlet / outlet.

- Available as either sealed or unsealed
- 3/4" BSP Female or 25mm 'pushfit' inlet/outlet
- Base mounted valve enabling Guard Tube to be cut to a minimum 350mm depth

# boundary boxes from EBCO



## RAISED PATTERN BOX

With a raised valve for easier meter reading.  
Constructed from 750mm tube, cut to the required depth on site.

- Available with either a Ductile Iron or plastic lid
- Internal 25mm 'Pushfits' are protected by foot pads
- 25mm 'Pushfit' ends can be converted to 3/4" BSP Female



## 'PENTAGON' BOX

A raised valve with test port downstream of the meter housing allows tests to be conducted with the meter in-situ. Where appropriate, a pressure reducing valve can be fitted to the test port.

- 750mm tube to cut to required depth on site
- Available with either a Ductile Iron or plastic lid
- 25mm MDPE plain tails are protected by foot pads



## DOUBLE BOX

Designed for reduced installation cost with an adjustable depth of between 750mm and 900mm without tube cutting, the swivel adjustable angle outlets result in easier installation.

- Suitable for tight installations
- On-site tube cutting for shallow installations
- 25mm 'Pushfit' ends can be converted to 3/4" BSP Female
- Available with either a plastic or Ductile Iron lid

### FEATURES COMMON TO ALL EBCO BOUNDARY BOXES

MODULAR COMPONENTS, MANUFACTURED FROM HOSOTAFORM C2521 POLYACETAL ● WALL THICKNESS OF 5mm ● BUILT TO INDIVIDUAL NEEDS WITH HIGH MECHANICAL STRENGTH, EXCELLENT FATIGUE STRESS PERFORMANCE ● WILL NOT FAIL AT LOW TEMPERATURES ● HIGH RESISTANCE TO ACCIDENTAL DAMAGE ● WRc APPROVED ● EVERY ASSEMBLY IS 100% TESTED AT 1 BAR AND 16 BAR ● HYDROSTATIC BURST PRESSURE TESTED AT 60 BAR (FULLY CONFORMS TO WIS 4-37-01 REQUIREMENTS) ● HYDROSTATIC PRESSURE TEST 16 BAR - 5 Mins, SAFELY OPERATES AT 12 BAR WORKING PRESSURE ● MDPE INLET PIPE WOULD FAIL BEFORE ANY BURST IN THE BOX ● CERTIFIED 50 YEAR LIFE CYCLE  
**CONTROL VALVE:** EBCO FIRST TO INTRODUCE SPHERICAL VALVE - TRUE BALL VALVE GIVES LOWEST HEADLOSS ● 1/4 TURN OPERATION (OPTIONAL 360 DEG.) - THROUGH BORE, LITTLE FLOW RESISTANCE ● POSITIVE ON/OFF POSITION - OPENING/CLOSING ACTION NOT SUBJECT TO SCALING ● TEE HEAD DESIGN FIRMLY SECURED - EBCO BALL VALVE OPERATES IF BROKEN ● SNAP ON EXTENSION KEY OPTION AVAILABLE ● MAINTENANCE FREE ● **METER HOUSING:** SUITABLE FOR ALL CONCENTRIC WATER METERS ● SINGLE CHECK VALVE AS STANDARD - DOUBLE CHECK VALVE FOR 'AT RISK' SITUATIONS ● TAMPER PROOF DEVICES AVAILABLE ● WATER FILTER CAN BE INSTALLED

### STANDARD EBCO BOUNDARY BOXES ALSO FEATURE

'EBCO' 25mm 'PUSHFIT' JOINTS - FOR MDPE TO BS5657Z (excl. PENTAGON BOX) ● NO ADDITIONAL COUPLERS SAFE PROVEN JOINT SYSTEM - WRc APPROVED ● NO TOOLS OR TIGHTENING ● EASILY ADAPTED TO 3/4" BSP FEMALE ● QUICK TO INSTALL ● 200mm WHITE PVC GUARD TUBE - FROST PAD WITH OPERATING INSTRUCTIONS ● EASILY REMOVED & CUT DURING INSTALLATION ● ALLOWS EASY METER READING ● RISK OF SKIN IRRITATION ELIMINATED ● CONFORMS TO BS 5834 GRADE C1 & C2 LOADING REQUIREMENTS

### ALSO AVAILABLE FROM EDWARD BARBER & CO LTD

**MANIFOLD BOUNDARY BOX:** DESIGNED FOR REDUCED INSTALLATION COST, MODULAR HEIGHT ADJUSTMENT, IDEAL FOR TIGHT MULTIPLE INSTALLATIONS WITH 4 METER VALVES IN 1 HOUSING, TOUGH PLASTIC LID (MADE TO CLASS C STANDARD), 25mm "PUSHFIT" ENDS CAN BE CONVERTED TO 3/4" BSP FEMALE ● **WALL BOX:** DESIGNED FOR NEW BUILD INSTALLATIONS, SMALL 2 BRICK SIZE INTEGRAL TO THE BUILDING, COMMUNICATION PIPE REMAINS IN 1PIECE, PROVEN VALVE MANIFOLD WITH DOWNSTREAM SAMPLE POINT FOR TESTING & ACCESSORIES e.g. PRV's, EASY METER READING, FULLY INSULATED AGAINST LOW TEMPERATURES

### COLOUR CODED MANIFOLD CAPS

● FULL FLOW ● TRICKLE FLOW ● NO FLOW





Other associated products available from the group are:

Check Valves, Gate Valves, Butterfly Valves,  
Repair Couplings, Wall Mounted Meter Boxes,  
Gunmetal & Plastic Service Fittings

## Tyco Waterworks

Nobel Road, Eley Trading Estate.  
Edmonton, London. N18 3DW.  
United Kingdom.

Tel: +44 (0)20 8884 4388

Fax: +44 (0)20 8884 4766

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

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

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*These Intex 2 wall mounted meter box instructions must be followed carefully, Failure to do so may cause damage to property. We accept no liability for any loss, damages or claims arising from failure to adhere to these instructions and/or negligent installation. As with all industrial products it is important to take adequate safety precautions during installation, use and maintenance and use adequate protective clothing such as gloves, overalls, eye protection and safety footwear.*

*These fittings are designed for the conveyance of cold potable water. Save with the express written approval of Atlantic Plastics, no warranty is given that the fittings are suitable for any other purpose.*

We reserve the right to change the design and specification without notice.

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