

Adjusta™

Below ground boundary box



Below ground boundary box

The Adjusta boundary box provides the connection point between the mains water supply and the consumer property.

All boxes comply with WIS 4-37-01 and BS5834-2.

The product is manufactured in an ISO 9001 quality assured environment and designed for an asset life in excess of 50 years.

All parts are either manufactured on site or sourced locally, enabling us to deliver products at short notice.

Benefits

- Option of Type 1 (watertight) or Type 2 (non-watertight)
- Grade B load bearing height adjustable boxes
- Grade C (4.5 tonnes) rated polymer surface box when used in conjunction uPVC guard tube
- Short, standard and large boundary boxes to cover all installation depths
- Inlet/outlet connections available in any combination of 25mm MDPE tails or 20mm, 25mm & ½" heavy gauge PlassOne push fit connectors

Cost effective hybrid connection:

- Hybrid assemblies with MDPE pipe on inlet & PlassOne push fit on outlet are popular where the inlet service pipe connection is unknown
- As installation contractors often use additional union connectors for push fit boxes, the hybrid option will save the customer the additional cost of a push fit connector





- Optional detachable square finishing cowl aids back filling and can be rotated through 360° to make final alignment with paving materials easy
- Excellent visibility and access to both the meter and control valve is provided by the polymer lid
- Fully designed and tested to WIS specifications
- PlassOne connectors fully comply with WIS 4-32-11, exceeding the bending & pull out tests which will lead to a reduction in box leakages
- Brass manifold or sealed polymer manifold box available for contaminated land installations

Technical data

Connections

- 25mm MDPE pipe connections
- 25mm, 20mm, 1/2" heavy gauge options for PE pipe
- Hybrid (any mix of MDPE pipe & push fit connectors)
- Brass manifold version with 3/4" female thread

Standards

Loading

- Grade B
(WIS4-37-01/BS5834-2)

Watertight

- Class 2 non-Watertight box is standard
- Class 1 watertight box available Q3 2014

Valve Type

- Screw down (Adjusta polymer manifold)
- 1/4 turn (Adjusta brass manifold)

NRV

- Single (dual NRV under development)

Material

- Acetal, polypropylene, uPVC

Adjusta height adjustment

- Standard box - 570mm-800mm
- Short box - 435mm-600mm
- Large box - 795mm-1025mm

Dimensions are taken from the base to the top of the box.

Additional Components

Meter Blanking Plugs

- Full flow (white)
- Trickle flow (yellow)
- No flow (red)

Finishing Options

- Square finishing cowl
- Polymer surface box
- Slope Adjusta assembly

Tools

A range of tools are available to aid meter fitment and unit maintenance.

- Full flow (white)
- Trickle flow (yellow)
- No flow (red)

Ease of installation

- Modular bayonet assembly simplifies the installation
- Option of bayonet detachable square finishing cowl to aid back filling. Cowl rotates 360°



12 bar pressure rating

The 12 bar pressure rating of the Adjusta polymer manifold matches the pressure rating of MDPE service pipe.

Cost effective hybrid assemblies

Hybrid assemblies with MDPE pipe on inlet & PlassOne push fit on outlet are popular where the inlet service pipe connection is unknown. As installation contractors often use additional union connectors for push fit boxes, the hybrid option will save the customer the additional cost of a push fit connector.

Short, standard & large boundary boxes available to cover all installations

Complete boundary boxes – Grade B load testing

- Height Adjustable range tested to WIS 4-37-01 Grade B (7.17kN)

With/without square finishing cowl, slope Adjusta or surface box.

Polymer surface box – exceeds Grade C load testing

Tested to 4.5 tonnes (BS5834-2)

- Fitted to Adjusta tube = Grade B (7.3 tonnes)
- Installed above a cut down uPVC guard tube = Grade C (4.5 tonnes)

Adjusta polymer manifold range – screw down manifold with anti-shear

- 25mm MDPE x 25mm MDPE
- 25mm PlassOne x 25mm PlassOne
- 20mm PlassOne x 20mm PlassOne
- ½" HG PlassOne x ½" HG PlassOne
- Hybrid – any combination of MDPE/ push fit
- G3/4"M x G3/4"M (Type 2 – watertight box for contaminated land)

Adjusta brass manifold for contaminated land

- 16 bar pressure rating
- ¼ turn ball valve
- G3/4"F threads
- Type 1 (non-watertight)
- Gun metal / DZR brass manifold assembly
- Compatible meters

Foam insulation disc

Designed to aid effective protection against freezing to a temperature at ground level of -15°C

- All lids are fitted with a galvanised steel detector plate

Compatible meters

The meter housing accepts industry standard end fitting G 1 ½" threaded concentric water meters up to Qn 2.5m³/h (Q3=4)



Overall Dimensions

Build description	Manifold description	Adjusta assemblies with/without Lid assy or square cowl		
		A MIN	A MAX	B
Short Adjusta (no upper duct)	25mm MDPE tails or push fit	435	600	210
	brass manifold			340
Standard Adjusta (245mm upper duct)	25mm MDPE tails or push fit	570	800	345
	brass manifold			475
Large Adjusta (470mm upper duct)	25mm MDPE tails or push fit	795	1025	570
	brass manifold			700

Notes

A = overall height (from base to top surface)

B = minimum height from manifold sealing face to top surface

Add 70mm to all dimensions for surface box or slope Adjusta assemblies

Push fit connections available in 20mm, 25mm and ½" heavy gauge

Build description	Manifold description	Height (mm)	
		A	B
Short rigid assy (213mm upper duct)	25mm MDPE tails or push fit	420	195
	G ¾" F gun metal manifold		325
Standard rigid assy (470mm upper duct)	25mm MDPE tails or push fit	670	455
	G ¾" F gun metal manifold		585
Large rigid assy (655mm upper duct)	25mm MDPE tails or push fit	855	640
	G ¾" F gun metal manifold		770

Notes

A = overall height (from base to top surface)

B = minimum height from manifold sealing face to top surface

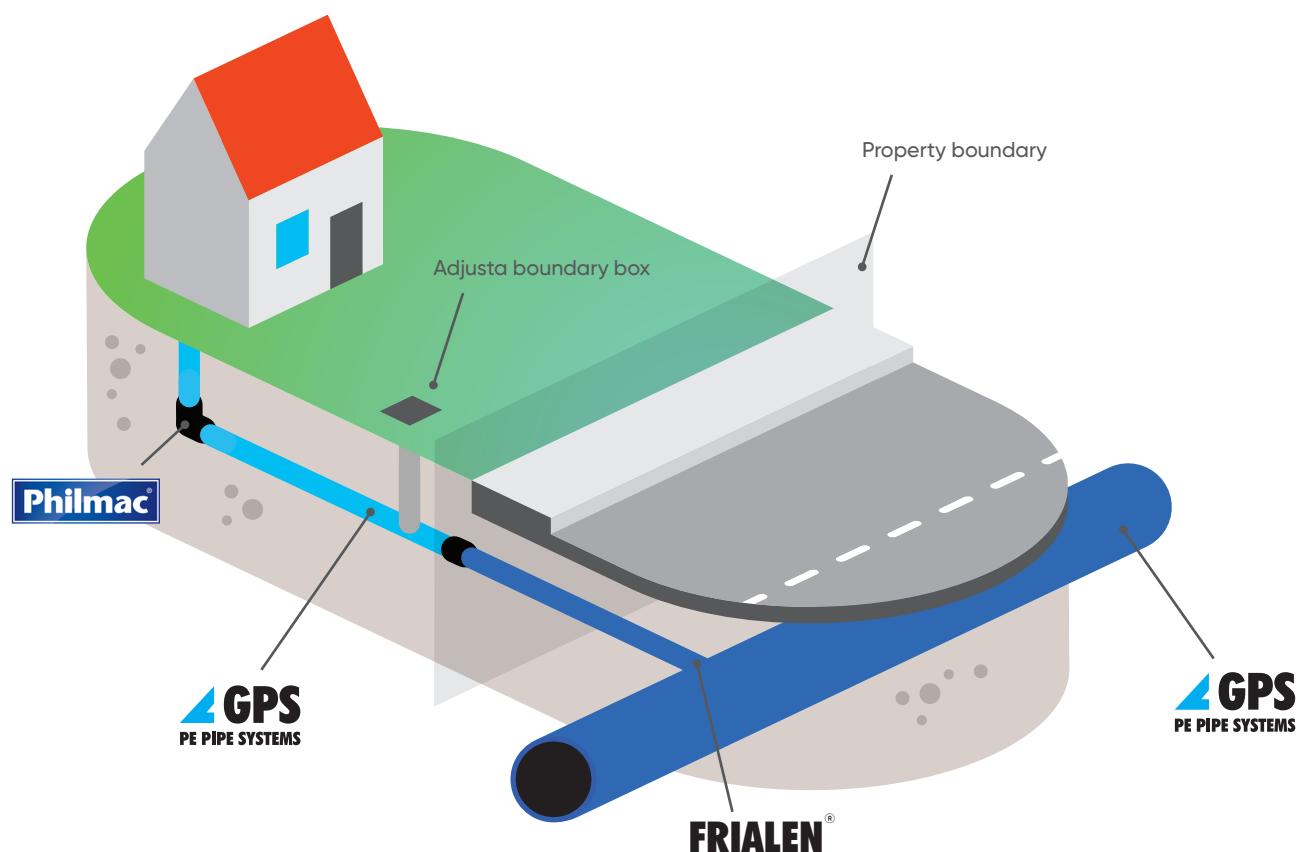
Add 70mm to all dimensions for surface box or slope Adjusta assemblies

Push fit connections available in 20mm, 25mm and ½" heavy gauge

The water supply system

Aliaxis provides the complete water supply system with our market leading range of solutions:

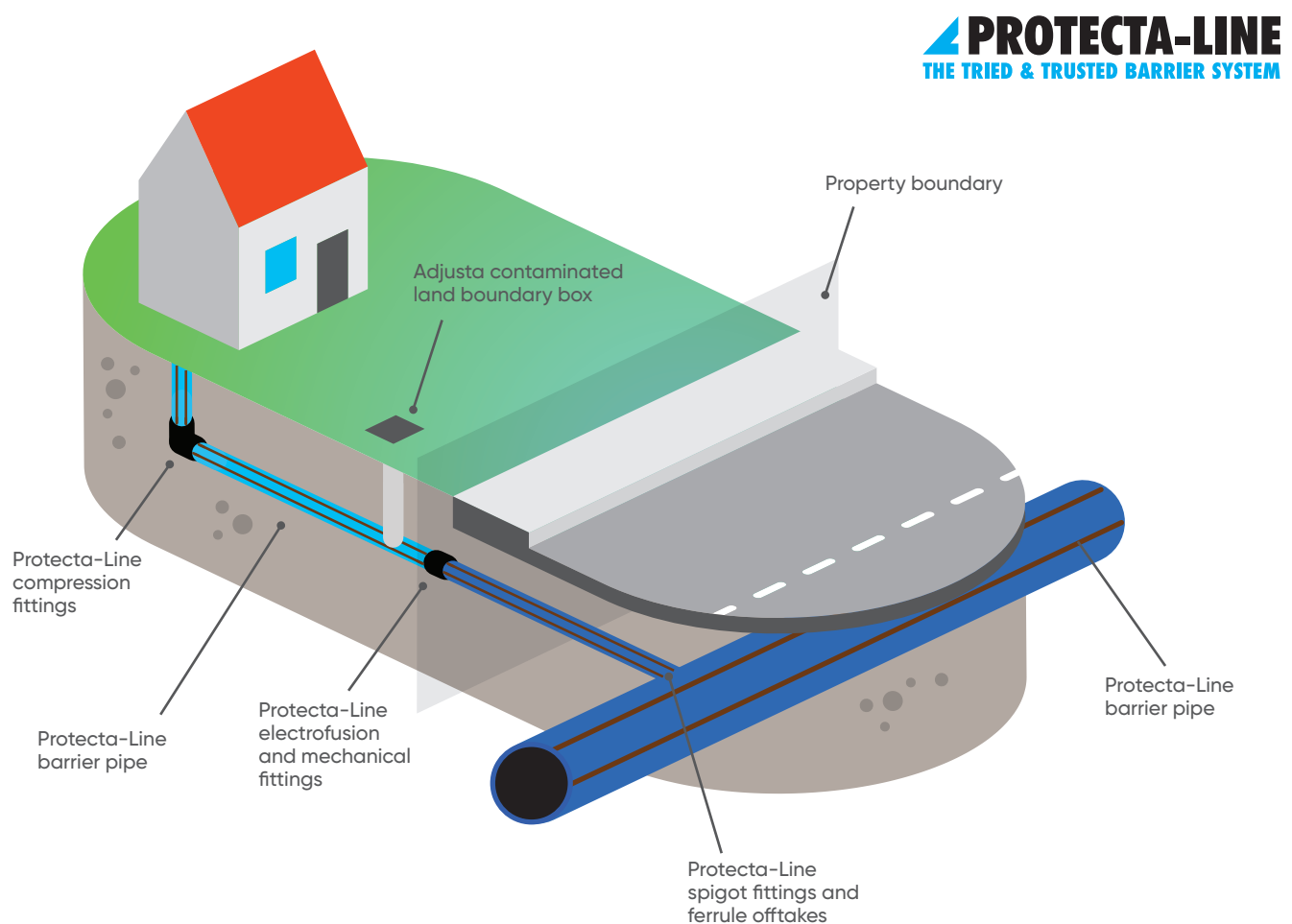
- GPS Blue PE Pipe coils 20mm to 180mm
- GPS Blue PE Pipe sticks 50mm to 1200mm
- GPS spigot fittings and bespoke fabrications up to 1200mm
- Philmac compression fittings for joining a range of pipe materials up to 110mm
- Frialen electrofusion fittings up to 1200mm
- Mechanical fittings 63mm to 180mm
- Adjusta boundary boxes with a range of lid and connection options



Contaminated land

Aliaxis provides the complete water supply system for contaminated land applications:

- Protecta-Line barrier pipe coils 25mm to 180mm
- Protecta-Line barrier pipe sticks 63mm to 630mm
- Protecta-Line spigot fittings and bespoke fabrications up to 630mm
- Protecta-Line compression fittings up to 63mm
- Protecta-Line electrofusion fittings up to 630mm
- Protecta-line mechanical fittings and ferrule off-takes up to 355mm
- Adjusta boundary boxes for contaminated land



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