TALIS

INTEX 2
Wall Mounted Meterbox

INTEX 2 Wall Mounted Meter Box

The Atplas Intex 2 is a purpose designed alternative to traditional underground meter chamber systems for new domestic or small commercial water connections. Intex 2 is designed to be built into the wall of a property during its construction and offers particular advantages over some underground chamber systems especially in areas of contaminated land. Intex 2 brings benefits to the utility, the house builder or developer and the consumer, in fact everyone involved in the meter supply chain.

Benefits

- New simplified design that reduces the risk of misuse or damage on site and allows vertical or horizontal installation for more choice in installed location
- Reduces building site damage and associated costs by eliminating the need for expensive street furniture and related road and street works liabilities
- Reduces connection and total life maintenance costs
- Simplifies meter reading and levels of service testing as well as facilitating the potential for meter technology upgrades
- Inlet and outlet elbows rotate through 180° to permit easier plumbing solutions
- Cartridge manifold design uses proven stop tap technology and is easily removed for internal finishing
- Telescopic ducting that allows installation in standard or extended cavity walls
- Fully designed and tested to WIS specifications

General application

The Atplas Intex 2 wall mounted meter box can be installed in any situation where a standard underground single chamber would be used. The Intex 2 has the added advantage of enabling the water supply to be connected to the new build property at an earlier stage in its construction than conventional chamber systems.

Technical data:

Sizes:

Connections 180° swivel connections to suit 25mm PE and 15 or 22mm copper pipes

Property wall thickness: 225 - 400mm and 30mm final internal adjustment

Wall opening size: 230 x 150mm (nominal)
1 x 2 bricks

Unit position:
Vertically or horizontally in outside wall allowing easy access and maintenance. Minimum of four brick courses (300mm) recommended six brick courses (450mm) above the FFL or dampcourse (which ever is higher

Valve Type:	1/4 turn
NRV:	Single
Spares:	Door and bezel assembly Manifold cartridge Connections kit Door key Stop valve key
Material:	Plastics: Acetal or DMC

Compatible Meter Listing

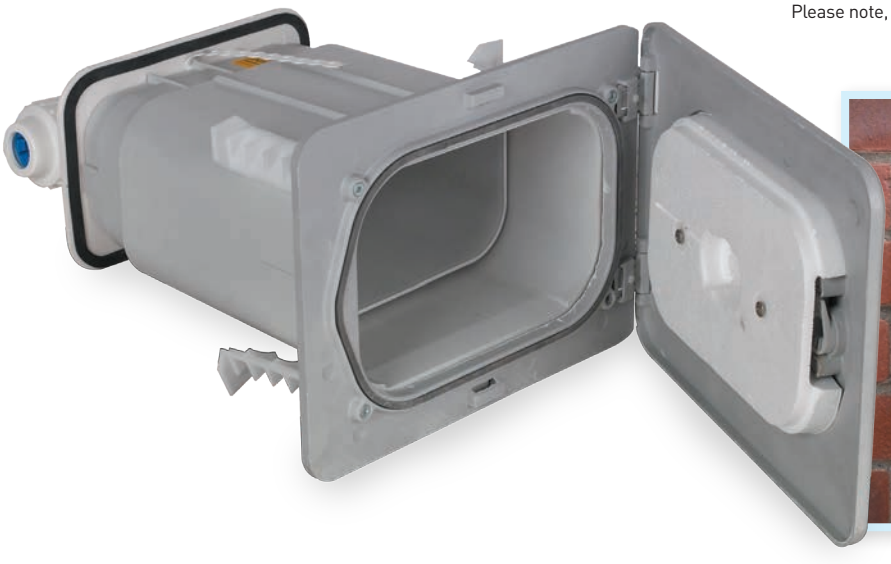
Minimum internal installation clearance of 270mm

Kent MSM range (Generator & Encoder) Schlumberger P40
Socam 501LM, 610LM and 630
Sensus SRD3
Tagus MVV 1000T

Minimum internal installation clearance of 225mm

Kent MS10
Socam 610LM
Schlumberger P40
Tagus MVV 1000T

Please note, meters are not supplied with the Intex ll unit Atplas



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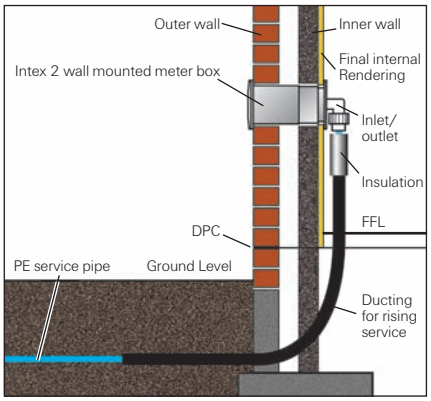
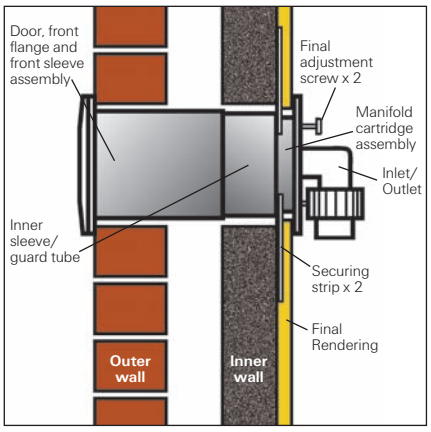
Intex 2 Installation considerations

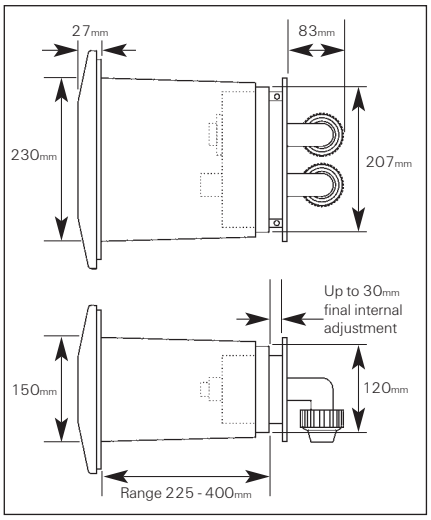
The Atplas Intex 2 wall mounted meter box is designed primarily to be installed into new properties during the construction process. The unit can however be installed as a retro fit unit. For further information relating to the procedure for retrofit installation pleasecontact the Atlantic Plastics Customer Service Team at the telephone number and address shown on the back of this data sheet.The unit can be installed in either a vertical or horizontal orientation to match individual site conditions and both the inlet and outletswivel to allow either orientation to be used. This swiveling action also makes service pipe connections easier.Installation should be at a point at least four standard brick courses (recommended six brick courses) above Damp Proof Course(DPC) or Final Floor Level (FFL), whichever is highest.Exact location of the Intex 2 should be considered during the building design process to allow correct positioning relative to serviceducting and final internal room layout.Simultaneous construction of both the internal and external wall skins below the Intex 2 unit installation area is required in order tosecurely install the unit.Ensure that the local water authority is consulted with regard to positioning and connection timings so as to facilitate the connectionof the supply.

Intex 2 Installation Procedure

Build the outer brick work and corresponding inner skin to the desired height that the unit is to be positioned. (A minimum level of 4 brick courses and a preferred level of at least 6 brick courses above the DPC or FFL) Fit the unit directly above the rising service or service duct onto a bed of mortar on the brick work. Position the Intex 2 so the inlet connection is directly above the rising service or service duct and bed the Intex 2unit into the mortar. Ensure that the unit is positioned snugly between the inner and outer wall skins andthat the inner and outer flanges are tight to the inner face of the inner wall and theouter face of the outer wall. Note: ensure that the minimum sleeve extension guide(indicated by a yellow label (270mm) is adhered to so later meter installation problems can be avoided. Use the two securing strips provided to secure the inner flange to the inner face of the inner wall or skin. Build the adjacent 2 courses, (3 if the unit is to be installed vertically) around the Intex2 ensuring that the unit is securely held in place and that it remains snugly positionedbetween the two wall skins.Build the final course over the Intex 2 using mortar to secure the brick work over theinstalled unit. Finish the brick work as usual over the Intex 2 to complete the structure.The Intex 2 Wall Mounted Meter Box allows for up to 30mmof final internal adjustmentenabling internal plaster board or other similar finishing to be installed. To make thisinternal adjustment loosen the two adjusting screws on the inner flange and pull backthe internal manifold cartridge from within the guard sleeveand place the final internalwall finish behind the internal flange. Alternatively the two screws can be removed and the manifold cartridge removed completely to make finishing easier. To replace the manifold cartridge slide it back into the guard sleeve locating the two lugs in theirguides and gently push the manifold back into position. Re-locate the screws and tighten them until the inner flange is pulled snugly onto the new rendering. Once finally installed the edges of the two flanges can be sealed with a suitable sealant to further enhance the finish of the unit in the wall.







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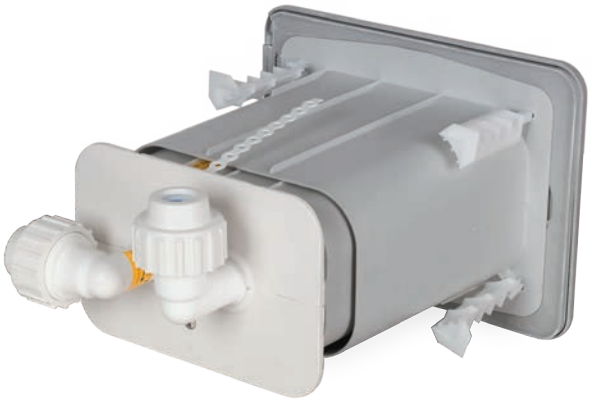
Intex 2 Service Connection Considerations

The incoming water supply must be flushed out prior to connection. This removes any debris that may be within the pipe before connecting to the Intex 2 unit. This helps to avoid any later stop valve or meter failure or any contamination of the internal plumbing.Connections should be made in 25mm PE or 15 or 22mmCopper only. Other hot or cold plastic internal pipe systems must not be connected directly. No Lubricants need to be used and copper pipes should be degreased and cleaned before use.End nuts need be hand-tight only. If excessive force is needed to tighten them or any thread is visible behindthem then incorrect assembly has occurred and the connection should bere-made. Pipes must be insulated against frost in unheated areas as per regulations.



Intex 2 Service Connection Procedure

Ensure that the correct components for the pipes being installed are in place in the Intex 2 inlet and outlet connections

- *PE inlet connection*

After flushing the PE supply pipe and cutting it to length, insert the 25mmpipe liner(5) into the pipe end.

Partly loosen the nut (1) on the inlet connection and push the pipe fully into themouth of the fitting until it bottoms out inside the fitting.

Tighten the end nut (1) on the inlet by hand, no undue force should be necessary. The nut should also tighten to an extent where no threads are visible behind it.

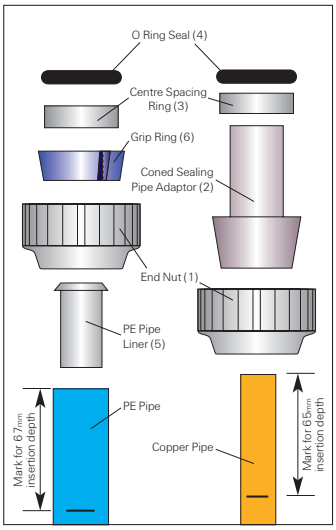
- *Copper Inlet or Outlet connections*

Clean, de-grease and de-burr the end of the copper pipe.

Remove the end nut (1) on the inlet/outlet connection and place it over the end ofthe pipe. Remove the white coned seal (2) and slide it fully over the pipe end untilthe pipe reaches the stop at the end of the seal. Place the white plastic spacer (3)over the sleeve of the coned seal (2) and then slide the 'O' ring (4) behind the spacer.

Push this assembly fully into mouth of the inlet/outlet connection and relocate theend nut (1) onto its thread and hand tighten.

If excessive force is needed or threads are visible behind the end nut on either the inlet or outlet fittings then disassemble the connection and re-make the joints.



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