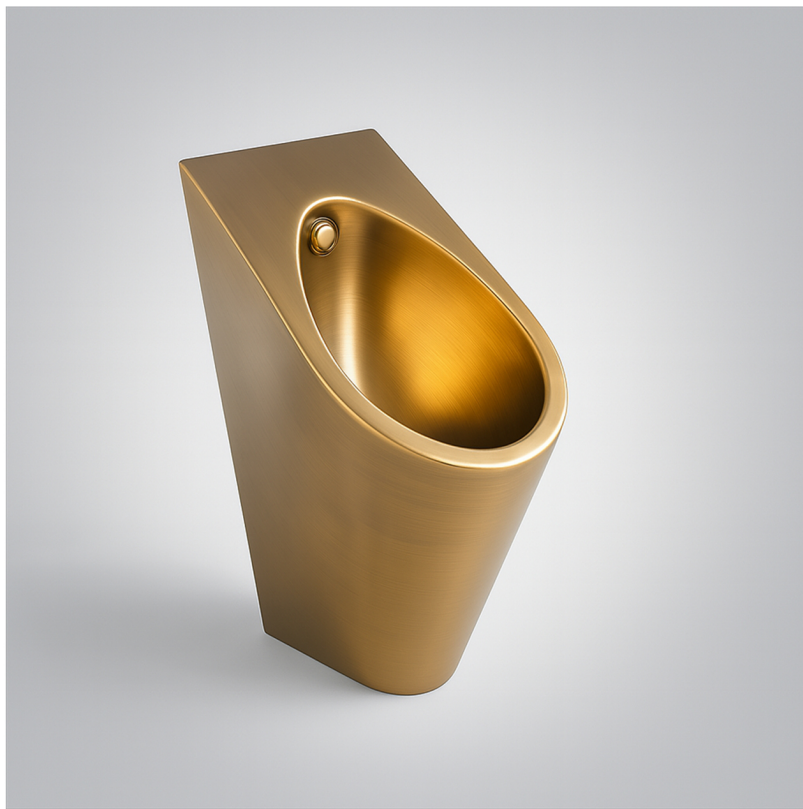




BEFORE YOU BEGIN

Before you begin, please read the installation instructions below. Observe all local building and safety codes.

Unpack and inspect the items for any shipping damages. If you find damages, do not install.

Please note all products must be installed by a professional and certified plumber otherwise warranty might be voided.

POSSIBLE TOOLS REQUIRED*



Plumbers Tape



Tape Measure



Level



Adjustable Wrench



Hex Wrench



Thread Sealant



Drill



Pencil or Marker



Screwdriver

*not included

FontanaHygienicWave™ – Brushed Gold Automatic Urinal

Product Code: FS9010BC

Rough-in wall preparation:

1. Determine mounting height of urinal based on recommended height to front edge (610mm).
2. Fit timber noggin into wall cavity to support urinal mounting brackets (Fig. 1)
3. Fit 20mm copper inlet pipe supported rigidly in wall allowing at least 15mm proud of finished wall and remove burr from pipe end (Fig. 2).

IMPORTANT: accuracy is required to maintain 495mm centre distance between inlet and outlet

4. Trap outlet seal fits straight into the inside of 50mm DWV PVC pipe
5. 20mm water supply to this urinal is required
6. Install flexible electrical conduit (32mm minimum size, not supplied) free of kinks for sensor extension cable (Fig. 2)
7. Fit single 240 volt 10 amp GPO for transformer/power supply unit adjacent to location of controller

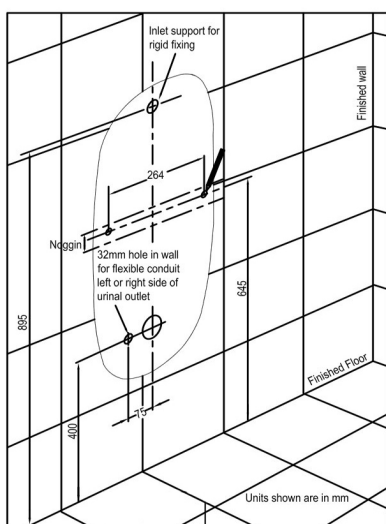


Fig. 1

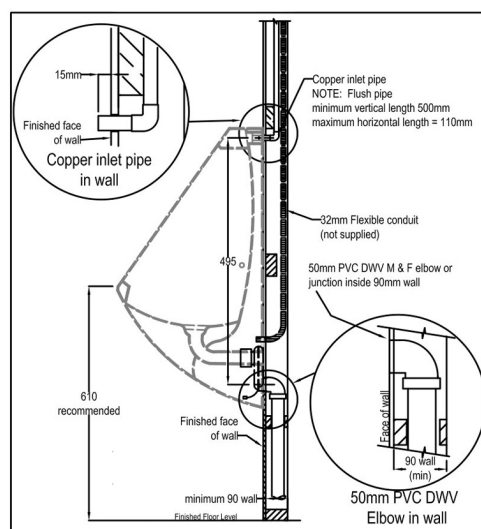


Fig. 2

Control Unit Connection and Check of System Function:

1. Ensure rough-in wall details have been completed first as detailed in Figs. 1 and 2
2. Flush the water lines
3. Assemble flush valve components (Fig. 3) and follow directional arrow on solenoid valve body during assembly
4. Install flush valve as required in-ceiling (Fig. 10), in-duct (Fig. 11) or in-wall (Fig.12).

5. Flush valve must be installed in the vertical position with the isolation valve closed
6. Connect flush valve to 20mm copper flush pipe using olive fitting supplied

7. Connect water supply to flush valve (1/2" BSP male inlet)
8. Peel off double sided tape backing from control unit to mount control unit directly to wall
9. Make connection from flush valve to control unit using 1500mm solenoid valve cable.

NOTE: Care must be taken to align pins inside each male connector with holes in female connector before pushing connectors together to prevent pins being bent.

10. Make connection of sensor cable to control unit.
11. Route sensor cable through flexible conduit and 100mm out through wall.
12. Connect sensor cable to urinal trap

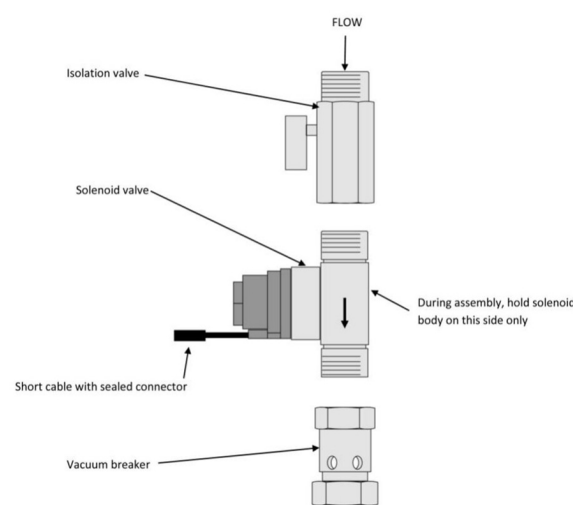


Fig. 3

Urinal Installation instructions:

1. Cut out paper template supplied, place in position flat on wall aligning centre of cut out holes with inlet and outlet.
2. Mark hole centres through template onto wall to provide wall locations for two 'L' shaped brackets (Fig 4).
3. Fit 'L' shape mounting brackets to wall with fixings supplied (Fig. 5)

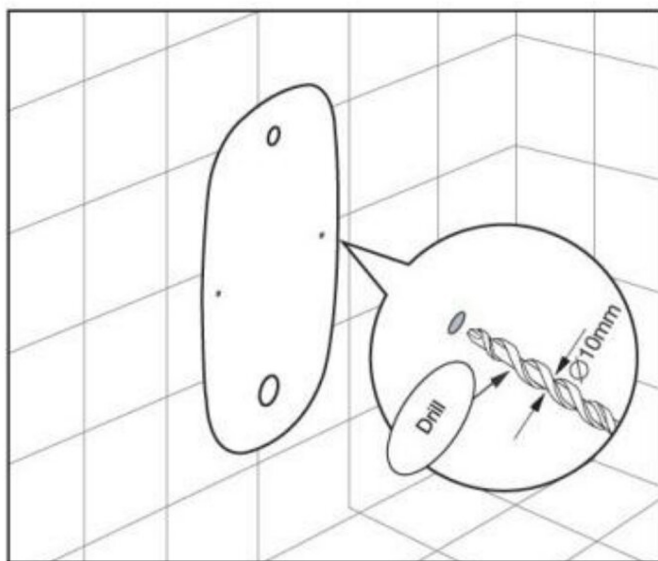


Fig. 4

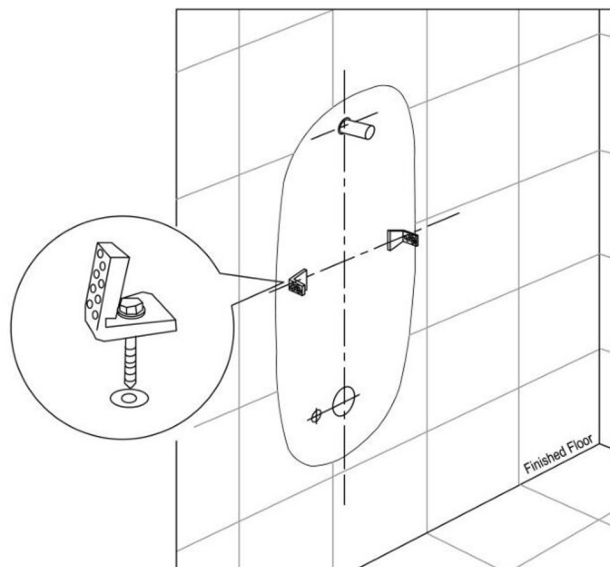


Fig. 5

4. Before fitting waste trap, check fit of trap outlet pipe seal into 50mm PVC DWV pipe (Fig. 6).

5. Fit kee-seal to waste trap and lubricate before gently pushing into 50mm PVC DWV pipe so trap finishes flush with face of wall. Fix waste trap to wall with single screw (Fig. 7).

6. Ensure sensor cable is installed through finished face of wall and connected to trap before installing urinal.

7. Lubricate and fit rubber inlet seal and fit into urinal inlet and carefully lift urinal into installed position, ensuring it is fitted with:

- inlet pipe fully inserted into urinal rubber inlet seal
- outlet fully inserted into waste trap inlet seal

Urinal mounting screws are fitted using plastic sleeves provided and tightened into L shape brackets (Fig. 8)

IMPORTANT: DO NOT OVER TIGHTEN SCREWS AS THIS MAY CRACK URINAL SIDE WALL

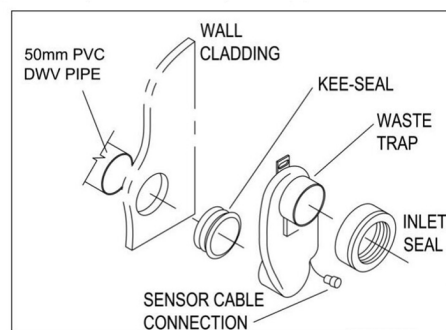


Fig. 6

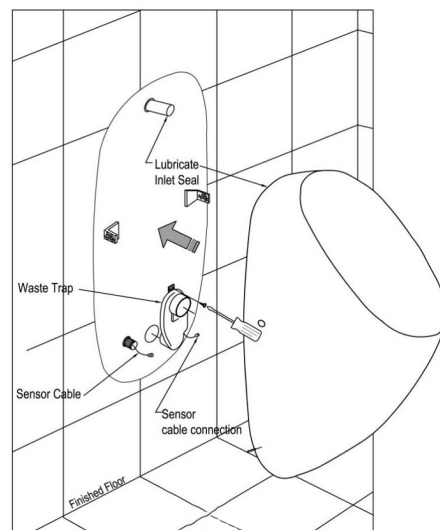


Fig. 7

FontanaHygienicWave™ – Brushed Gold
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8. If mains powered, make connection from control unit to power supply unit.

9. Open the isolation valve and switch power on to check system function:

- When power is first connected to the controller, the system performs an automatic self-check to confirm that all components are functional. If everything is functional, the top LED will flash once with a short pause then repeat in a steady rhythm (Fig. 9). 30 seconds after steady flashing, the controller will flush the urinal twice to confirm it is operational.
- If any component is not functional or not connected, a fault is indicated by the LED flashing 3 short flashes with a pause then repeat in a steady rhythm. Please refer to Diagnostic Function Section 5.0 for fault recognition

10. When all components are functional, select Flush Time by pushing the Flush Time button (for between 1 to 3 seconds) to advance the unit flush time, one step at a time. 5 flush settings can be selected (Fig. 9 table) depending on available dynamic pressure. The LED flashes feedback and confirmation of time setting of 1 to 5 flashes dependant on the setting selected. The Factory setting is 475 kPa.

Installation Types:

Use the following figures to provide installation guidance:

- Fig. 10 In-ceiling installation
- Fig. 11 In-duct installation
- Fig 12 In-wall installation

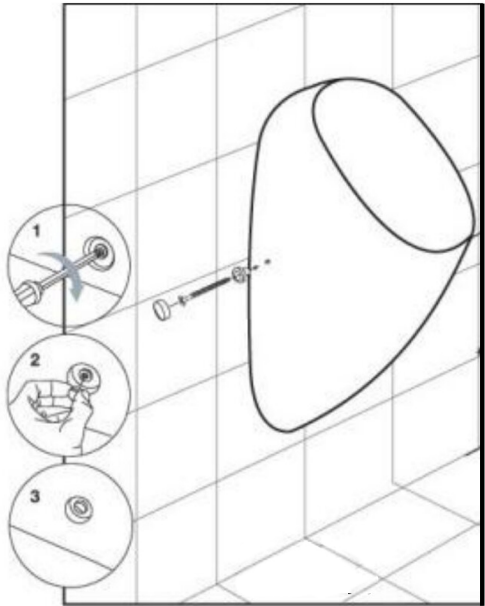


Fig. 8

Flush time step	LED flashes	Dynamic pressure in kPa	Approximate flush volume
1	1x	475	800ml
2	2x	425	800ml
3	3x	375	800ml
4	4x	325	800ml
5	5x	275	800ml

Fig. 9

FontanaHygienicWave™ – Brushed Gold Automatic Urinal

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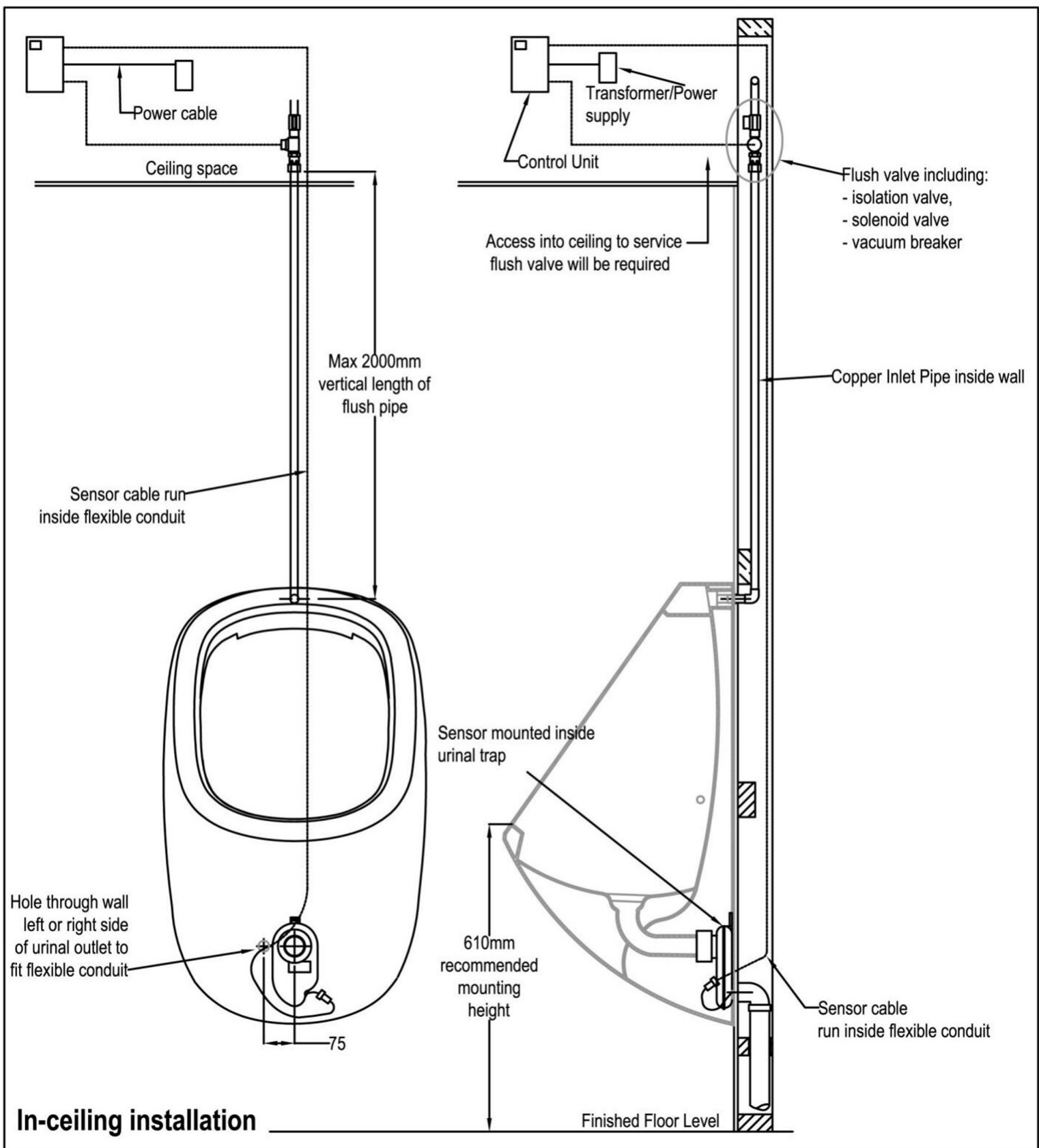


Fig. 10

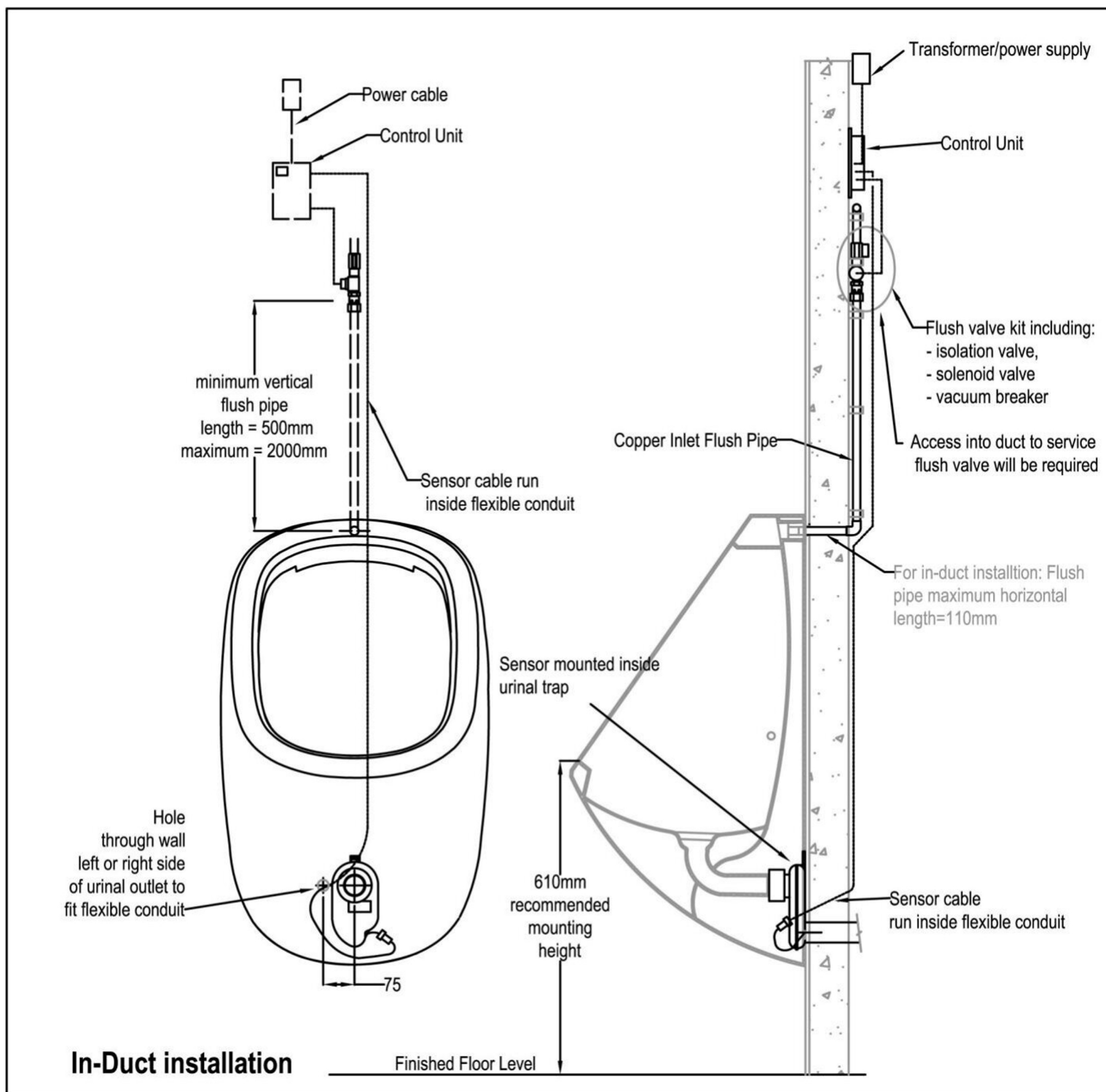


Fig. 11

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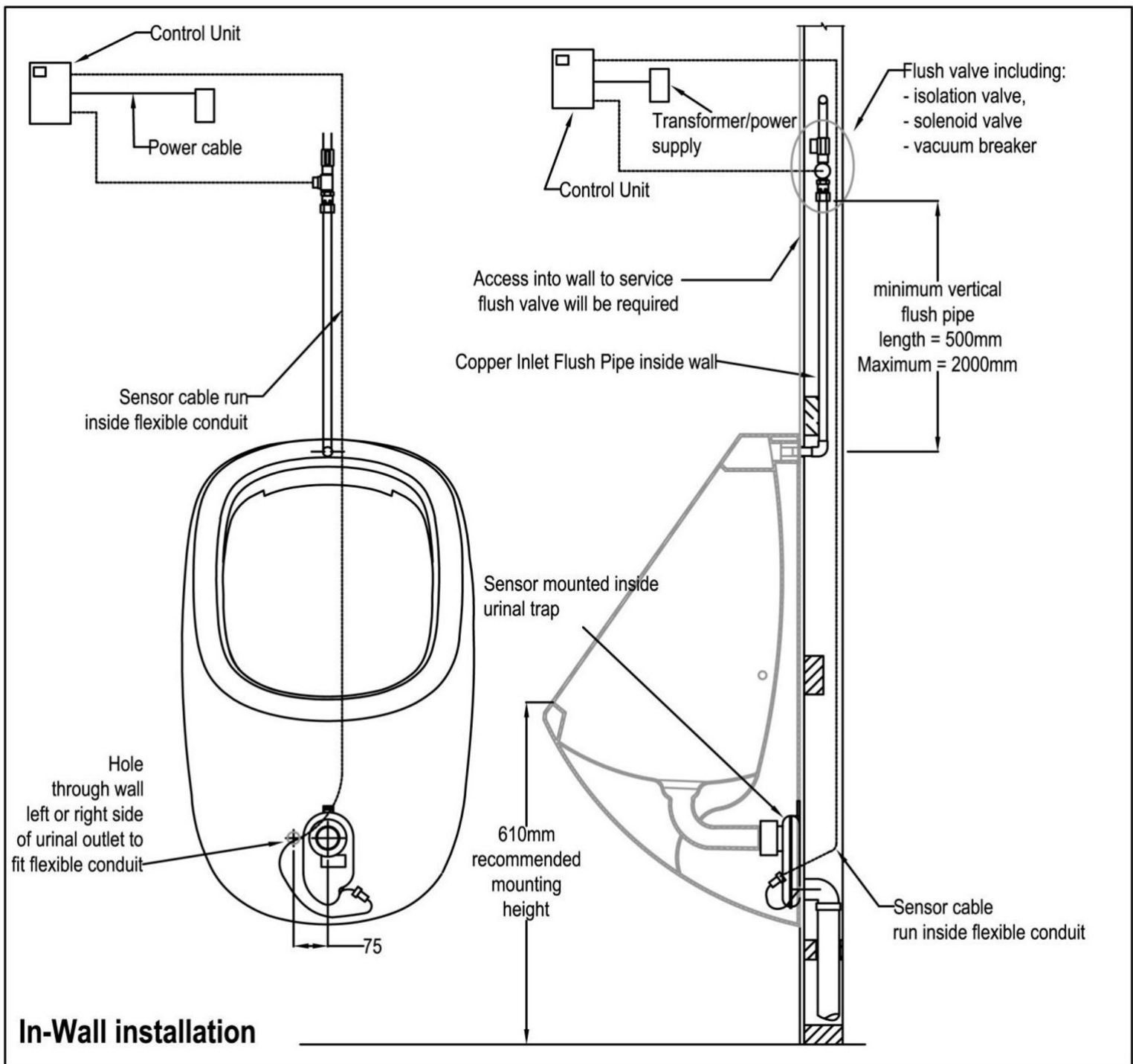


Fig. 12