INSTALLATION GUIDE

Nexus

SMART TOILET

For qualified installers.

DOCUMENT TS-INST-NEXUS-001 · V1.0 · JUNE 2026

FOR THE INSTALLER

Read this before you begin.

This guide covers the installation of the Tresani Nexus floor-standing smart toilet. It must be installed by a qualified, competent tradesperson. Electrical and plumbing work must comply with the standards referenced throughout.

> **READ ALONGSIDE**
>
> The Tresani UK Electrical Safety guidance (TS-INST-UK-001) is the governing electrical document and takes precedence on all electrical matters. The product User Manual covers operation and care.

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01 · BEFORE YOU START

Competency & kit.

WHO MAY INSTALL

Electrical work must be carried out by a person competent under Part P (England & Wales) or the Building (Scotland) Regulations 2004. Plumbing must comply with the Water Supply (Water Fittings) Regulations 1999.

The supply must be on a dedicated, RCD-protected circuit (30 mA), in accordance with BS 7671. Confirm this is in place before you begin.

BEFORE SWITCHING ON

Isolate both water and power. Prepare the access holes for the soil and water connections, and confirm the floor is sound and level.

SUPPLIED IN THE BOX

1. Nexus toilet unit
2. Remote + bracket + 2× AAA
3. Backup battery box
4. 4-way angle valve assembly
5. Inlet hose & fittings
6. Floor fixing kit
7. Pan connector / seal
8. Instructions & printed matter

YOU WILL ALSO NEED

- Drill + masonry bit
- Adjustable wrench
- Spirit level
- Silicone + sealant gun

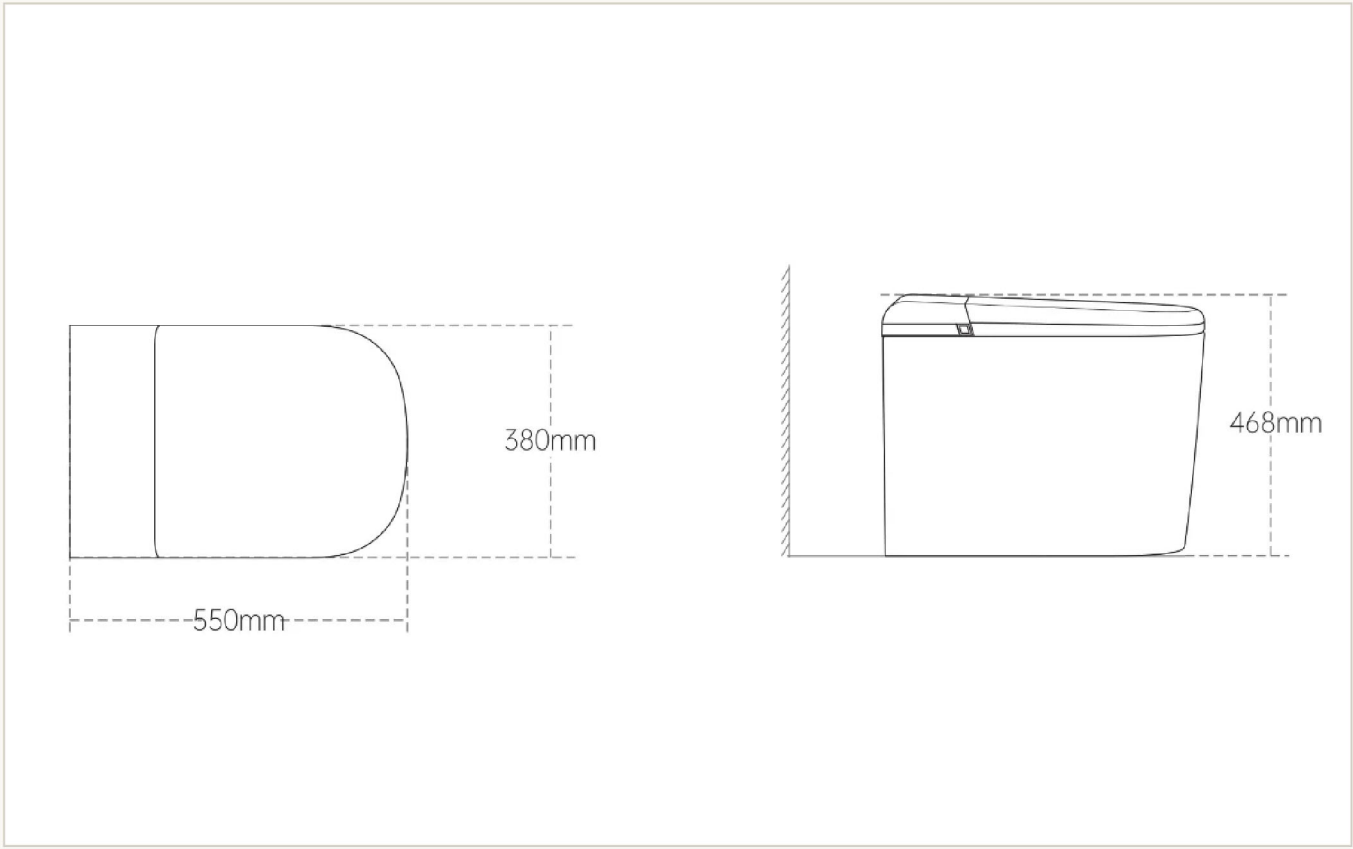
FEATURE & REMOTE NOTE

Tresani toilets ship with a universal remote to reduce waste; some buttons may not apply to the Nexus. Pair the remote during commissioning (page 12).

02 · SETTING OUT

Installation environment.

Before fixing the Nexus, confirm the bathroom environment, services and clearances meet the requirements below. The unit is floor-standing, with a horizontal (P-trap) waste connecting to the soil pipe at the wall and a cold-water supply.



Reminder: the dimensions, accessories and user interface shown are schematic diagrams for reference only. Due to product updates and upgrades, there may be slight differences between the actual product and the schematic — please prioritise the actual product.

CONFIRM BEFORE INSTALLATION

1. Check that the distance between the soil/sewage pipes and the flatness of the bathroom floor meet the installation requirements.
2. Check that the water circuit, water-supply pressure and electrical circuit comply with the installation requirements.
3. Beyond the space required to install, check that surrounding objects (doors, cabinets, etc.) do not interfere with installation or with the product in use (seat-cover and seat-ring opening and closing, etc.).
4. If waterways or circuits need altering, seek professional assistance.

03 · PLUMBING CONNECTIONS

Water supply.

This section sets out the cold-water supply and drain (soil) connection requirements for the Nexus. It assumes the rough-in, mounting surface and electrical supply have been verified. All connections are to be made by a competent person using the manufacturer-supplied fittings and seals, and in accordance with local plumbing and water-supply regulations. Confirm sizes and dimensions against the model-specific specification sheet before committing fittings.

PRE-CONNECTION CHECKS

Before making any connection, confirm the following:

- Mains cold supply only — not a gravity / tank-fed (header tank) supply, which cannot reliably deliver the required pressure.
- Working pressure 0.5–5 bar. Fit a pressure-reducing valve above 5 bar; below 0.5 bar the unit may not function correctly.
- Cold supply only — the unit heats its own water. Never connect to a hot or tempered line.
- Drain: P-trap with a horizontal outlet at 180 mm from finished floor (AFF). Confirm the wall soil centreline matches the fixture outlet.
- Potable (drinking-quality) water. Borehole or private supplies must be filtered and treated to potable quality before reaching the appliance.
- Flush the pipework before connecting to clear swarf, grit and jointing debris that can foul the inlet filter and valves.
- Backflow prevention provided to protect the mains against back-siphonage, per local water-supply regulations.

HARD-WATER AREAS — SCALE PROTECTION

In hard-water areas, limescale build-up can foul the inlet filter, solenoid valves, spray nozzles and heating element — reducing wash performance, restricting flow and shortening the appliance's service life. Where the appliance is installed in a hard-water area, suitable measures must be put in place to reduce the scale reaching it.

- Fit scale reduction upstream — softener, inhibitor or conditioner — sized for the property's hardness and flow.
- Keep the inlet filter serviceable and clean it more frequently in hard-water areas.

> **I WHY IT MATTERS**
>
> Scale is the most common cause of premature solenoid-valve and nozzle failure on heated bidet appliances. Allowing for scale reduction at install is far cheaper than warranty call-backs — and many manufacturers exclude scale-related damage from cover.

03 · PLUMBING CONNECTIONS — CONTINUED

Fittings & connections.

FITTINGS & MATERIALS

Typical supply-side and drain-side components. Use the manufacturer-supplied or equivalent-rated parts; reuse of old supply hoses or wax rings is not recommended.

COMPONENT	TYPICAL SPEC	NOTES
Mains shut-off	Quarter-turn isolating valve	Serviceable; replace worn multi-turn stops
Supply to toilet / tank	1/2 in connection	Mains cold feed to the toilet / cistern
Supply to bidet branch	6 mm connection	Reduced feed to the washlet / bidet inlet
Backflow prevention	Approved backflow device	Protects the mains supply
Pressure-reducing valve	Inline PRV	Fit if the supply exceeds 5 bar
Scale reduction	Inline softener / inhibitor	Hard-water areas — fit upstream (see left)
Inlet filter / strainer	Built-in mesh screen at inlet	Orient for access; clean at commissioning
Drain connector	Flexible P-trap, adjustable seal	Horizontal outlet 180 mm AFF; ±25 mm adj.
External sealant	Silicone (base bead only)	Never use pastes / compounds in the waterway

! DO NOT USE JOINTING PASTES OR COMPOUNDS

Avoid pipe dope, jointing paste, PTFE tape or similar in the appliance waterway — particularly on the 6 mm bidet feed, where excess can break off and block the fine waterway, inlet filter and nozzle. Rely on the manufacturer-supplied washers and seals to make the joint. Silicone is for the external floor base bead only, never for sealing waterway connections.

DRAIN (SOIL) CONNECTION

This installation uses a P-trap with a horizontal (rear) outlet at 180 mm from finished floor (AFF), connected through a flexible P-trap connector to the in-wall soil fitting. The following requirements apply:

- Wall soil-outlet centreline confirmed at 180 mm AFF, aligned with the fixture's horizontal outlet.
- Connector fully and squarely engaged on both the wall fitting and the unit outlet horn — no gap or distortion.
- Soil pipe clean and de-burred; flexible P-trap connector with a correctly sized rubber seal (typically ±25 mm adjustment).
- Manufacturer's wall clearance maintained and the correct fall achieved to the soil pipe.

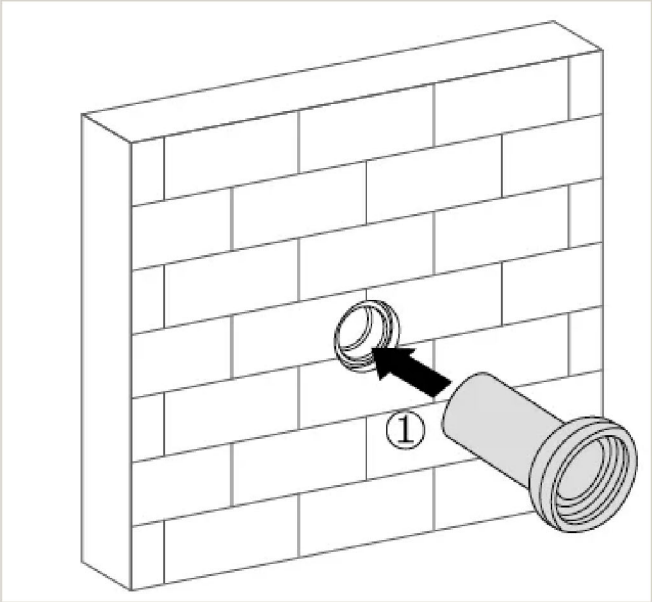
I SEAL EXTERNALLY, AFTER TESTING

Apply the silicone base bead around the floor joint only after leak testing, and leave a gap at the rear so any concealed leak can be detected rather than trapped.

04 · INSTALLATION

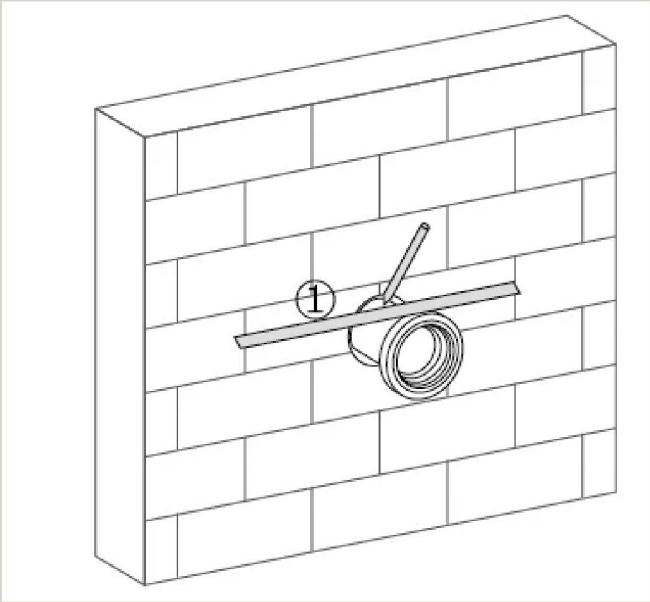
Prepare the waste pipe.

Steps 01–04 dry-fit the pipe, fit the rubber ring and mark the excess to remove. Photographs are indicative; follow the sequence in order.



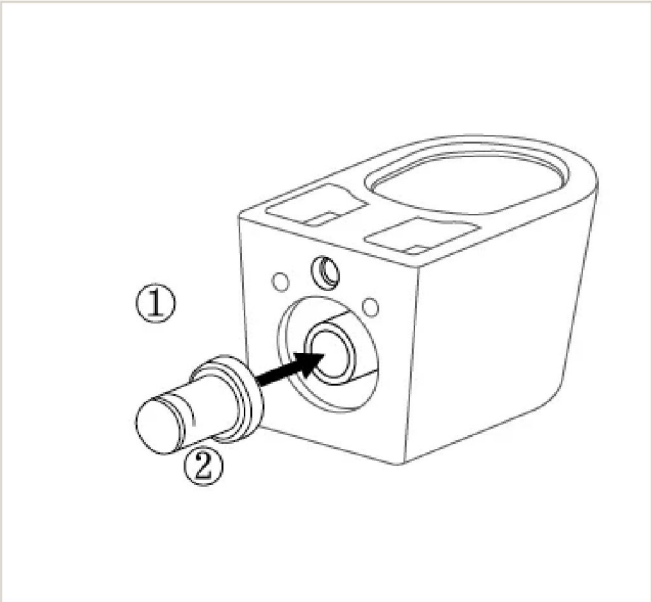
01 Dry-fit the waste pipe

Insert the drain straight pipe into the soil pipe at the wall to check the fit. Make sure it seats fully.



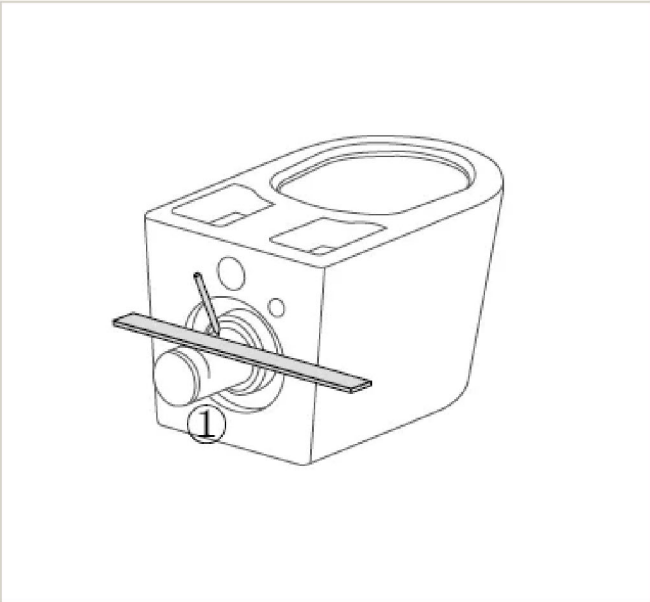
02 Mark the position

Hold a board against the pipe, draw a pencil line, then withdraw the pipe.



03 Fit the rubber ring

Insert the drain straight pipe and rubber ring into the drain outlet. Make sure it seats fully.



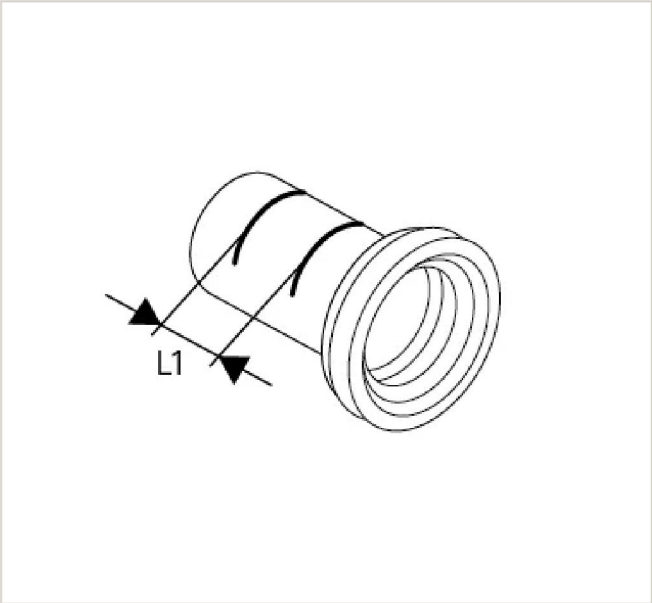
04 Mark the excess

Draw the assembly line between the straight pipe and the wall drain outlet, and mark the excess length to remove.

04 · INSTALLATION — CONTINUED

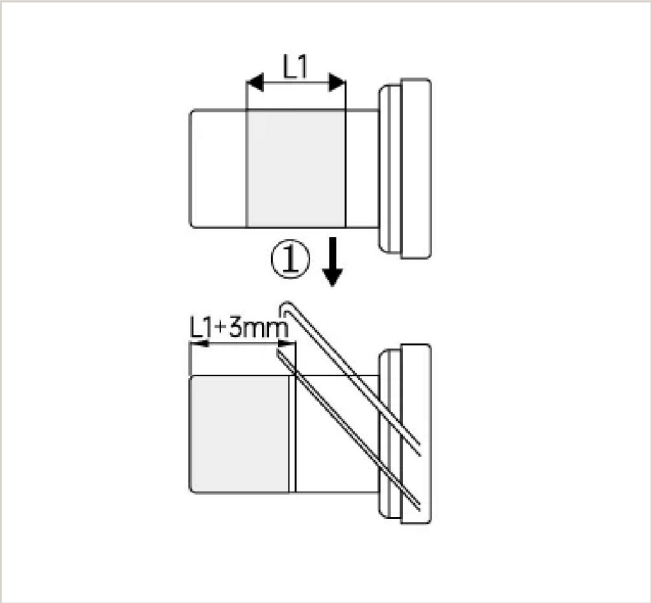
Trim & prepare the pipe.

Steps 05–08 cut and chamfer the pipe to length, then lubricate the seal.



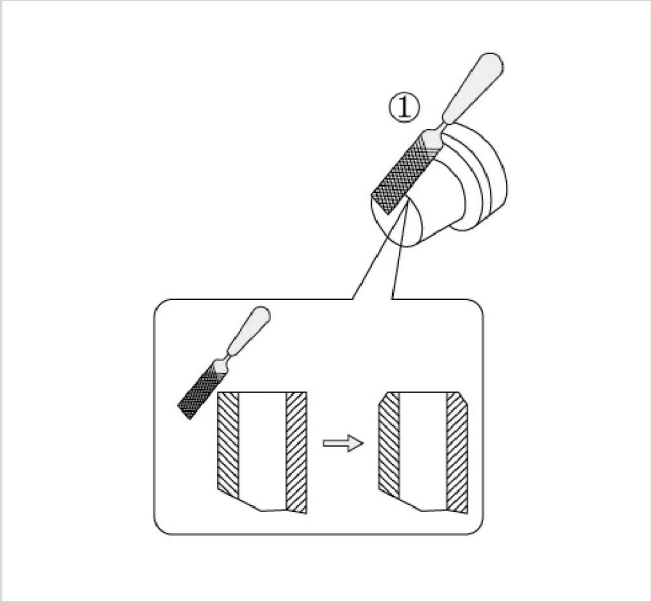
05 Cut to length

Saw the drain straight pipe to the marked length.



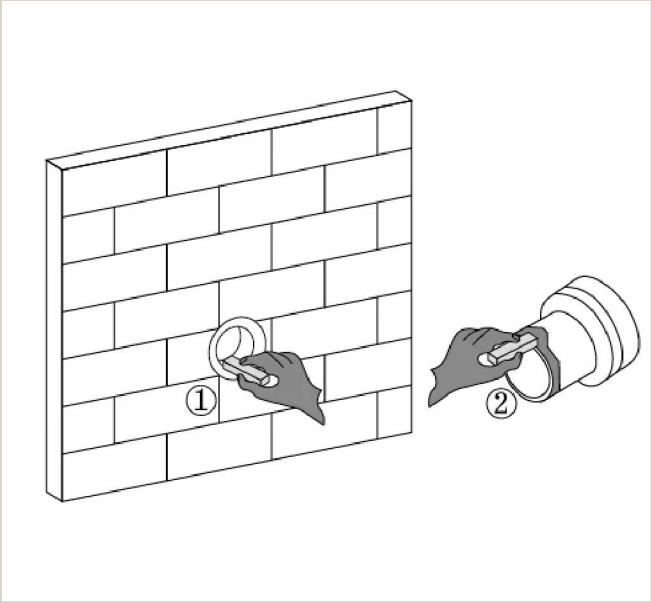
06 Trim & allow 3 mm

Move the excess at the middle section to the edge and add 3 mm before sawing it off.



07 Chamfer the edge

File the cut edge of the pipe evenly so it inserts cleanly.



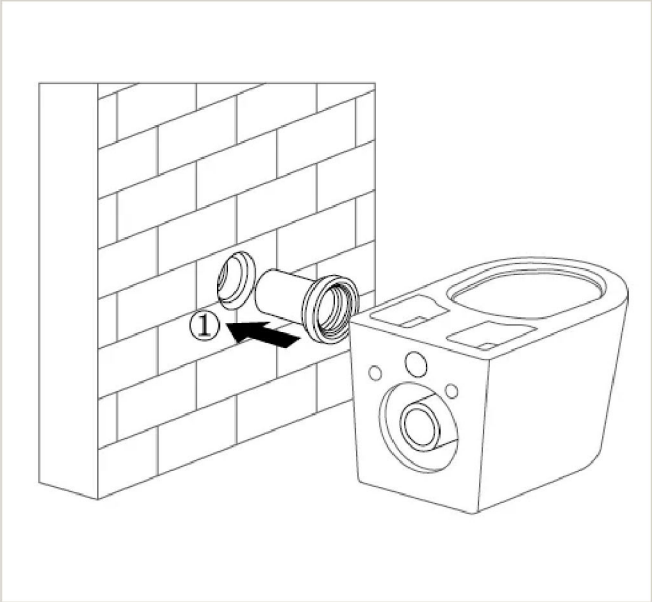
08 Lubricate the seal

Apply silicone oil to the rubber ring and the straight pipe.

04 · INSTALLATION — CONTINUED

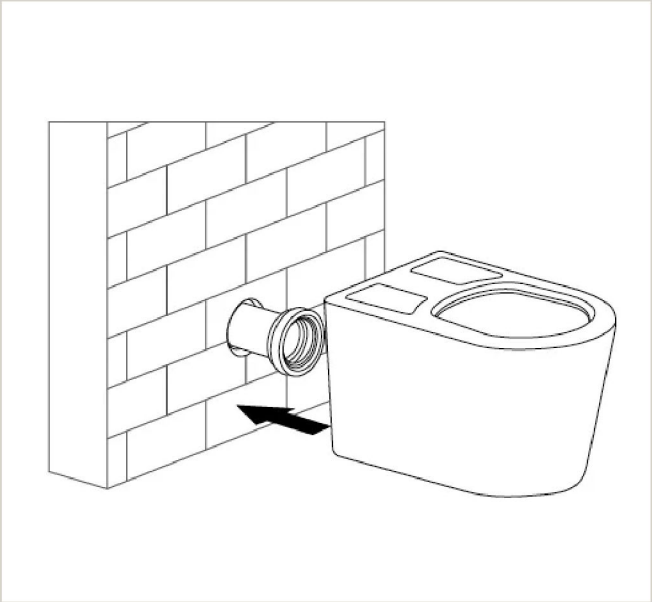
Insert & secure.

Steps 09–11 insert the pipe at the wall, align the seal, then level and secure the unit. Then open the angle valve and connect power (next page).



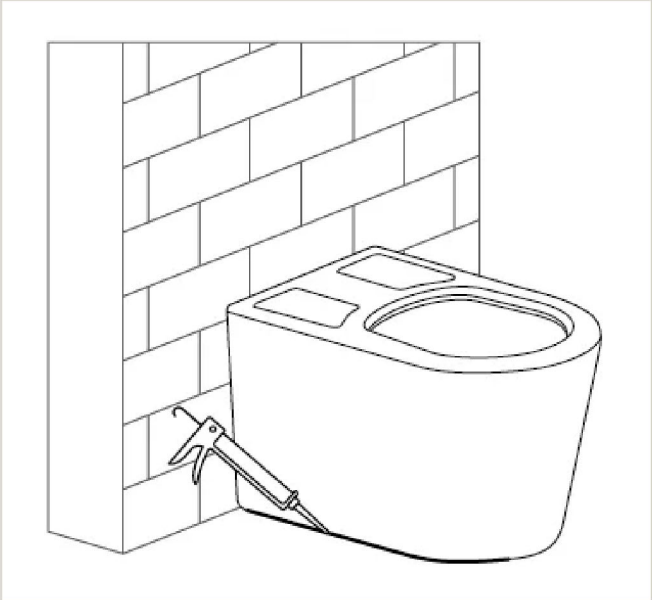
09 Insert into the wall

Insert the drain straight pipe into the drain-pipe opening in the wall. Make sure it seats fully.



10 Align & seat

Align the drain straight pipe and rubber ring with the drain outlet before inserting, ensuring they seat fully.



11 Level & secure

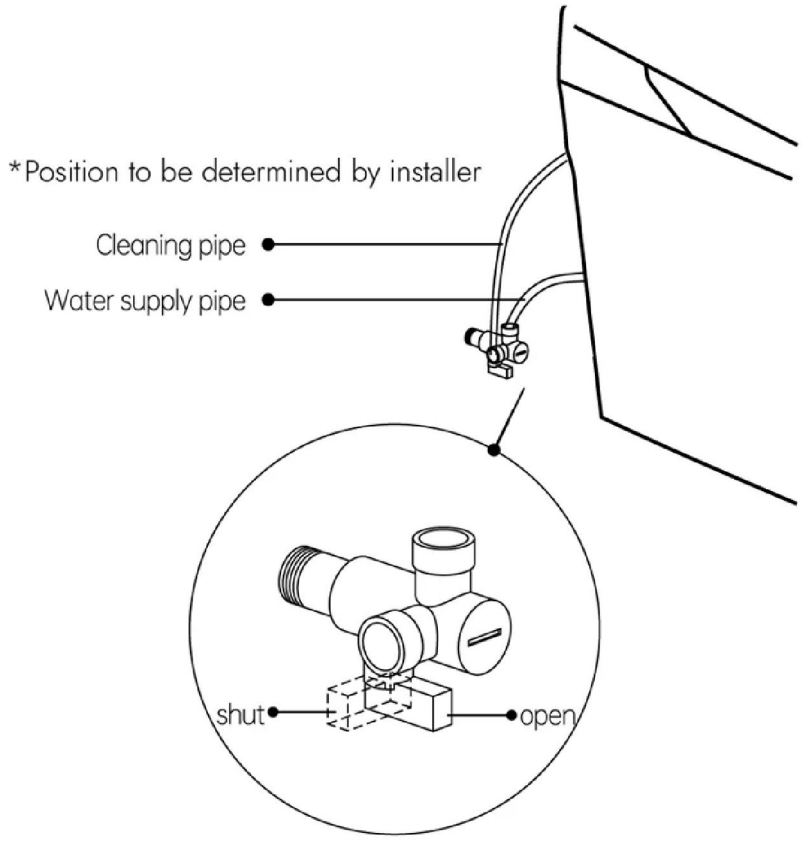
Level the unit, then run silicone around the base to secure it. Do not move or use it for 48 hours while the sealant cures.

04 · INSTALLATION — CONTINUED

Water & power connections.

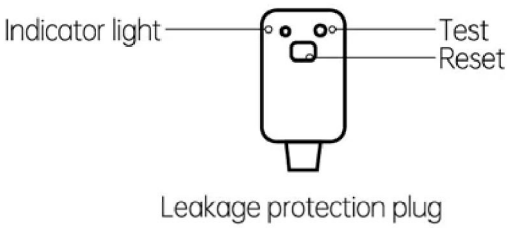
Detail views of the two key connections — the water-supply angle valve and the leakage-protection plug (RCD).

OPEN THE ANGLE VALVE



Connect the 4-way inlet pipe to the angle valve and tighten. Open the valve and confirm there is no leakage at the connection; if it leaks, reseat the component. Final valve position is determined by the installer.

LEAKAGE-PROTECTION PLUG



Plug into the RCD-protected 220–240 V socket and confirm it is earthed. Press Reset to power up and check the indicator light is on; use Test, then Reset, to confirm the RCD trips and resets.

05 · COMMISSIONING

First power-up.

Pressure-test the water side first, then power up and tick off each function check with the customer present where possible.

PRESSURIZE, PURGE & LEAK TEST

With all connections made, work through the water test in order before switching on power:

1. Slowly open the mains stop fully to bring the system up to pressure without hammer.
2. Confirm working pressure is within 0.5–5 bar; if it exceeds 5 bar, isolate and fit/adjust the pressure-reducing valve before proceeding.
3. Inspect every connection — 1/2 in supply, 6 mm bidet branch, backflow device, inlet-filter housing and the P-trap drain seal — for weeping. Wipe dry and re-check after a minute.
4. Purge air per the unit procedure to clear the inline filter and water path of debris and air.
5. Run a full flush plus a wash/bidet cycle; verify supply flow, clean drainage and a quiet, complete refill with no continuous run-on.
6. Re-check the drain seal after the first few flushes, then apply the external silicone base bead (leaving the rear gap) once dry and leak-free.
7. Record supply pressure and confirm the inlet filter and any scale-reduction device are accessible for future servicing before handing over.

> **! DO NOT ENERGIZE A WET UNIT**
>
> Complete and verify all water connections and wipe down the unit before connecting power. Confirm the receptacle is protected (GFCI / RCD) and that no moisture is present at electrical entries.

FUNCTION CHECKS

- [ ] **Restore supplies.** — Open the water isolating valve and switch on the power.
- [ ] **Power-up & reset.** — Wait for the buzzer. Press the reset button if required.
- [ ] **Test seating sensor.** — Confirm the lid opens on approach and the seat sensor engages when seated.
- [ ] **Test flush.** — Confirm the foot-sensing flush operates and the bowl clears.
- [ ] **Check for leaks.** — Inspect every connection. If water leaks, isolate and reseat the component.
- [ ] **Pair the remote.** — Within 30 seconds of powering on, press and hold the SPA key on the side for 2 seconds until it beeps, then press any remote key to pair.
- [ ] **Test wash & dry.** — Run a rear wash and confirm warm water, then confirm warm-air drying.
- [ ] **Test lights.** — Confirm the ambient line and night light operate.

FIRST-WASH NOTE

The spray wand self-cleans before and after every wash. Let the first cycle complete during testing, and confirm the wand returns fully before moving on.

06 · HANDOVER

Leaving site.

HAND TO THE CUSTOMER

The product User Manual, the remote control and bracket, and the backup battery box. Show them the Flush and SPA side keys and the remote pairing.

EXPLAIN

Daily wipe-down, the weekly nozzle check, and filter replacement roughly twice a year. Point them to warranty registration at tresani.com/pages/warranties.

CONFIRM

No leaks, all functions tested, the unit is fixed and sealed, and the area is clean. Remind them not to use the unit for 48 hours after fixing if sealant is still curing.

SUPPORT

For after-sales support, direct the customer to tresani.com with their purchase details and serial number.

INSTALLER RECORD

Installed by _____ Date _____

Serial no. _____ Signature _____

Commissioning checks completed and demonstrated to customer.

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