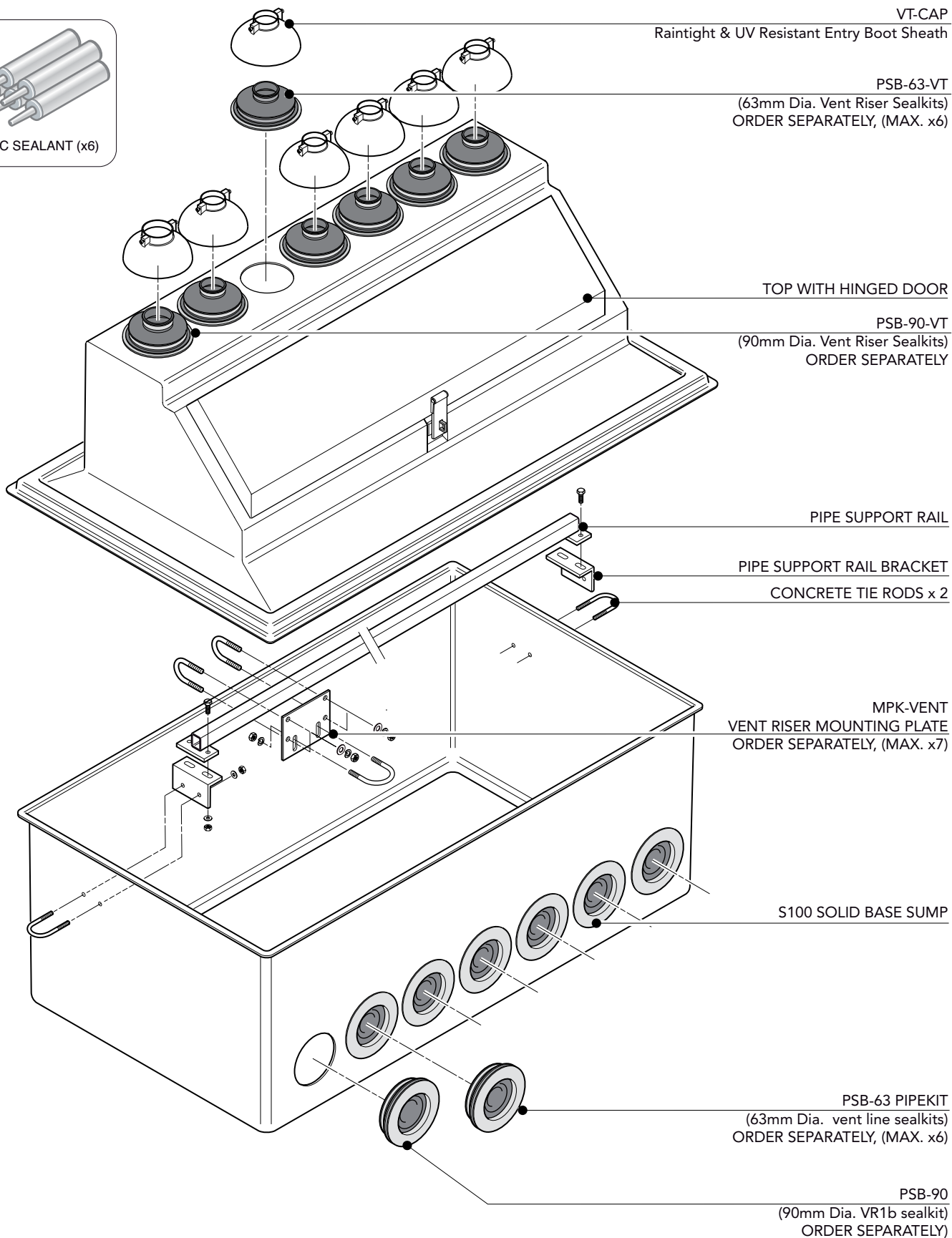
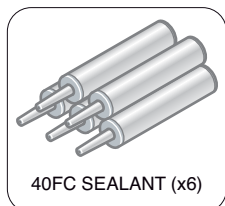


INSTALLATION INSTRUCTIONS

S100-2-VENT Transition Sump

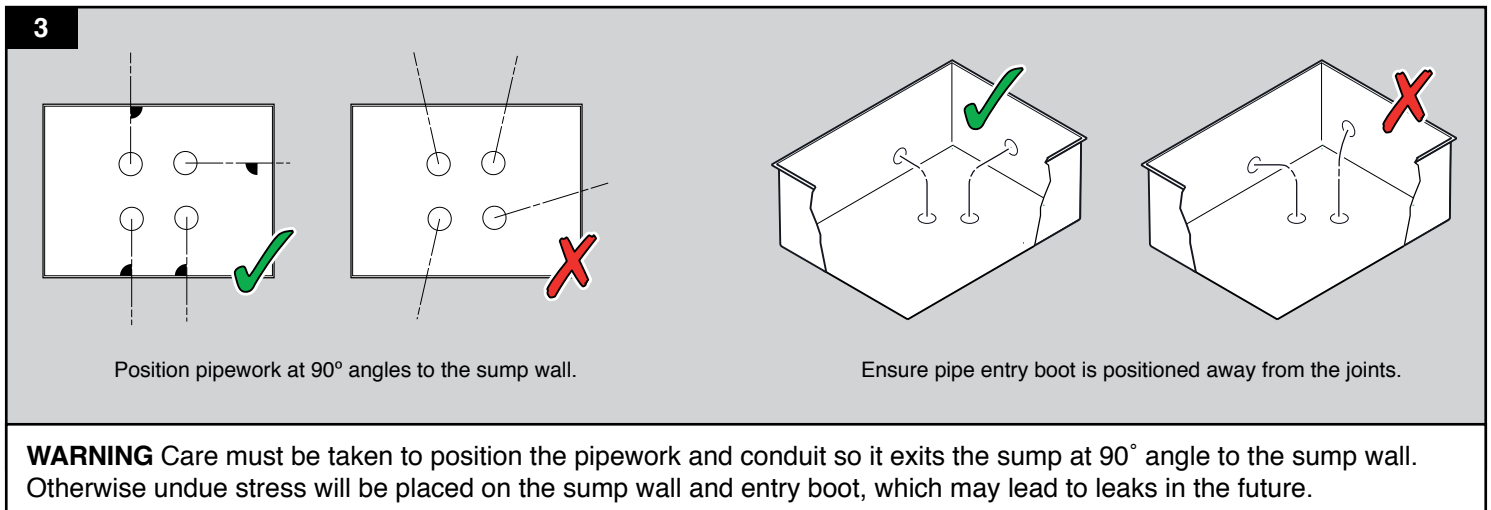
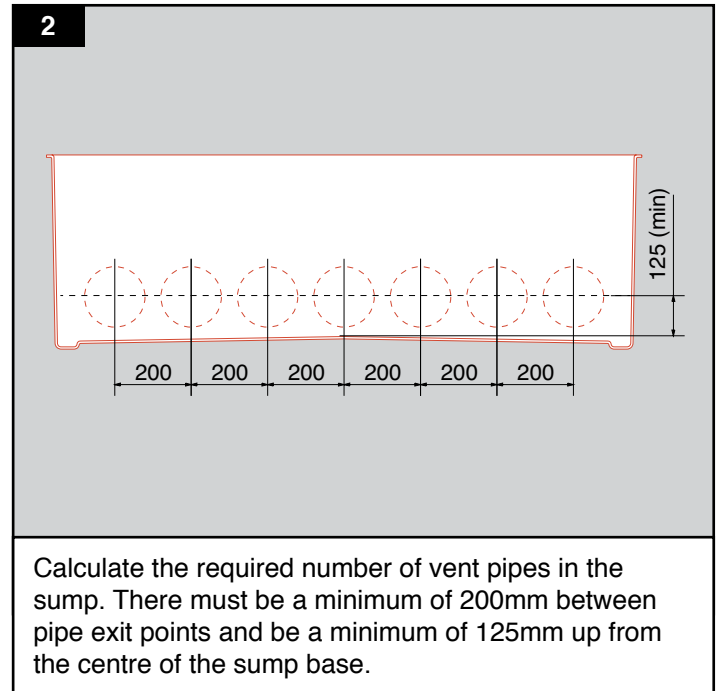
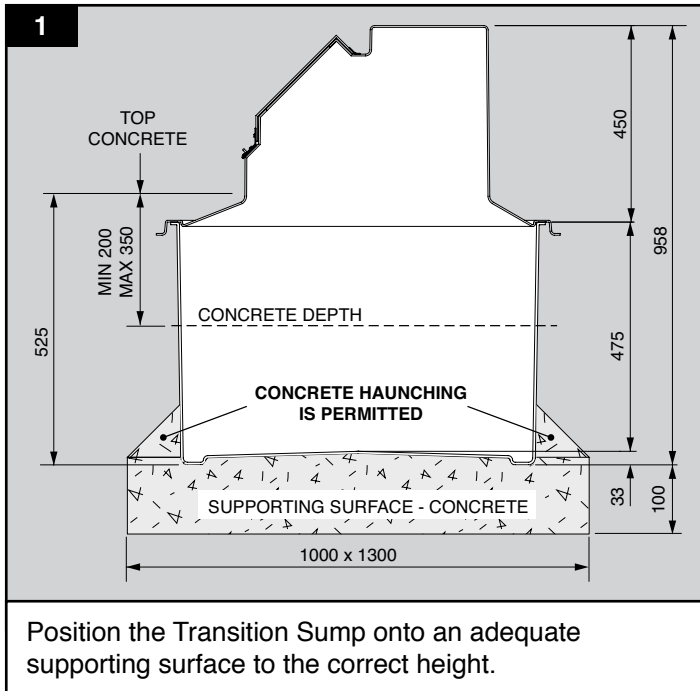
FIBRELITE 

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INSTALLATION INSTRUCTIONS

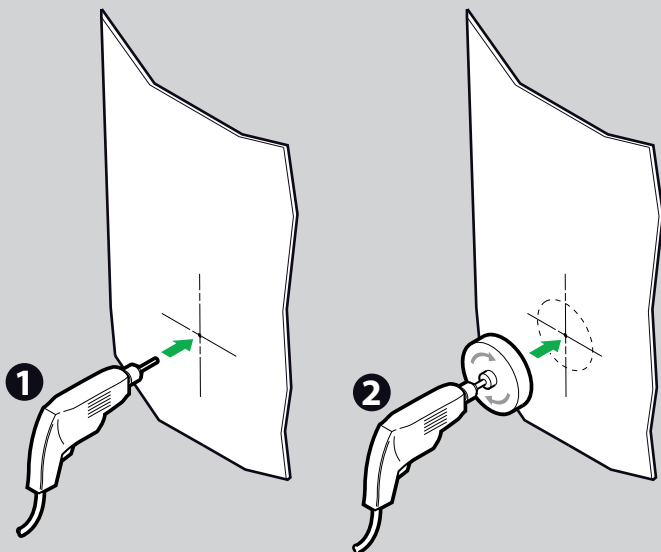
(Sump Installation)



INSTALLATION INSTRUCTIONS

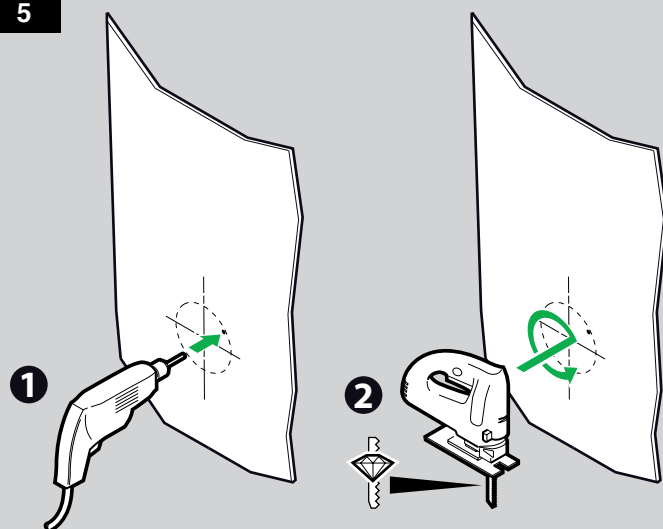
(Pipework and Entry Seal Kit Installation)

4



Mark a centre points in the sump panels. Drill a pilot hole to ensure the hole saw can be positioned and used safely.

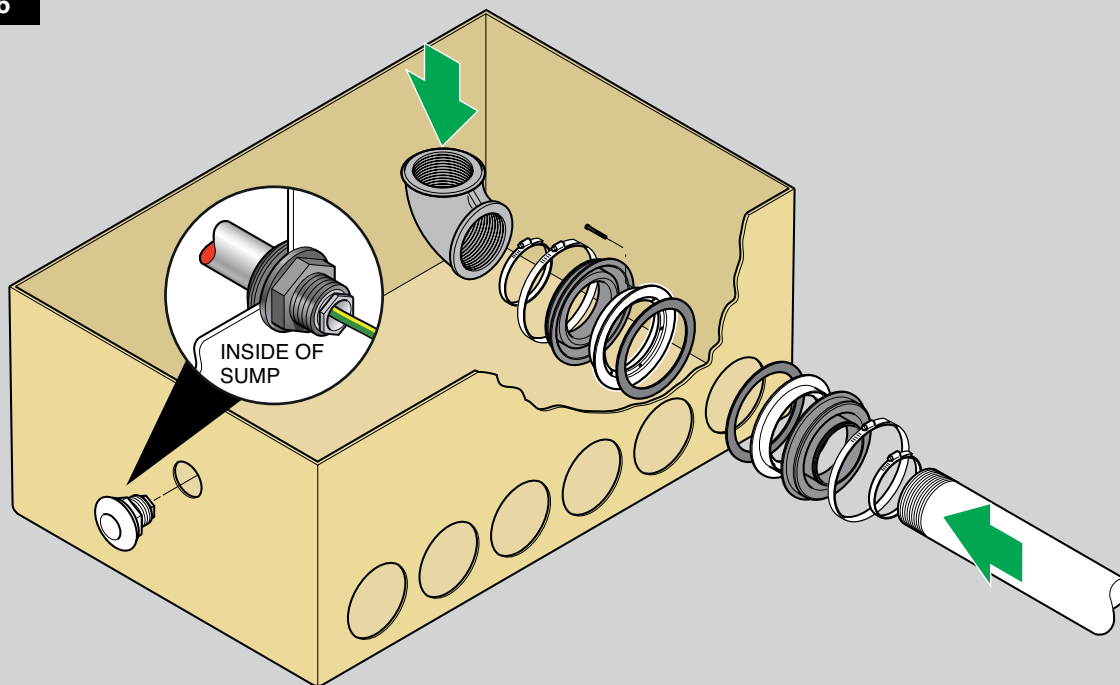
5



For larger holes (190mm) we recommend that the hole is marked and jigsaw is used to cut the hole. Drill a hole through the wall, so the jigsaw can be inserted and used easily and safely.

(Fibreglass will blunt normal blades very quickly, we recommend diamond tipped blades or blades to cut ceramics).

6



Double Sided Pipe Sealkit Shown

Fit the pipe and cable entry seals, horizontal pipes and elbows. Follow pipekit installation instructions on the following pages.

NOTE : When backfilling ensure the pipework is not disturbed.

WARNING : Do not backfill until the sump has been vacuum tested.

INSTALLATION INSTRUCTIONS

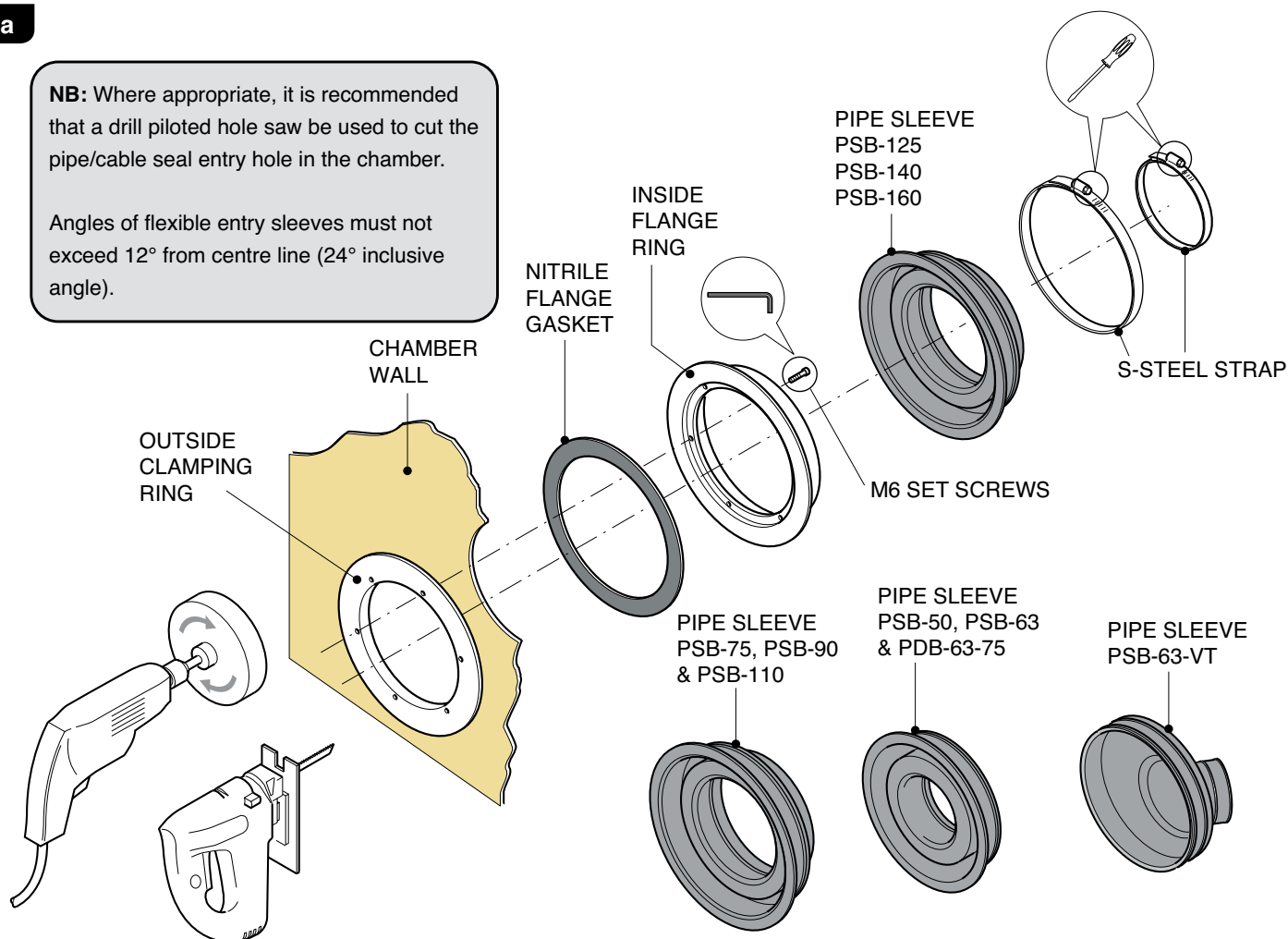
(Single Sided Pipe Sealkit Fitting Instructions)

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7a

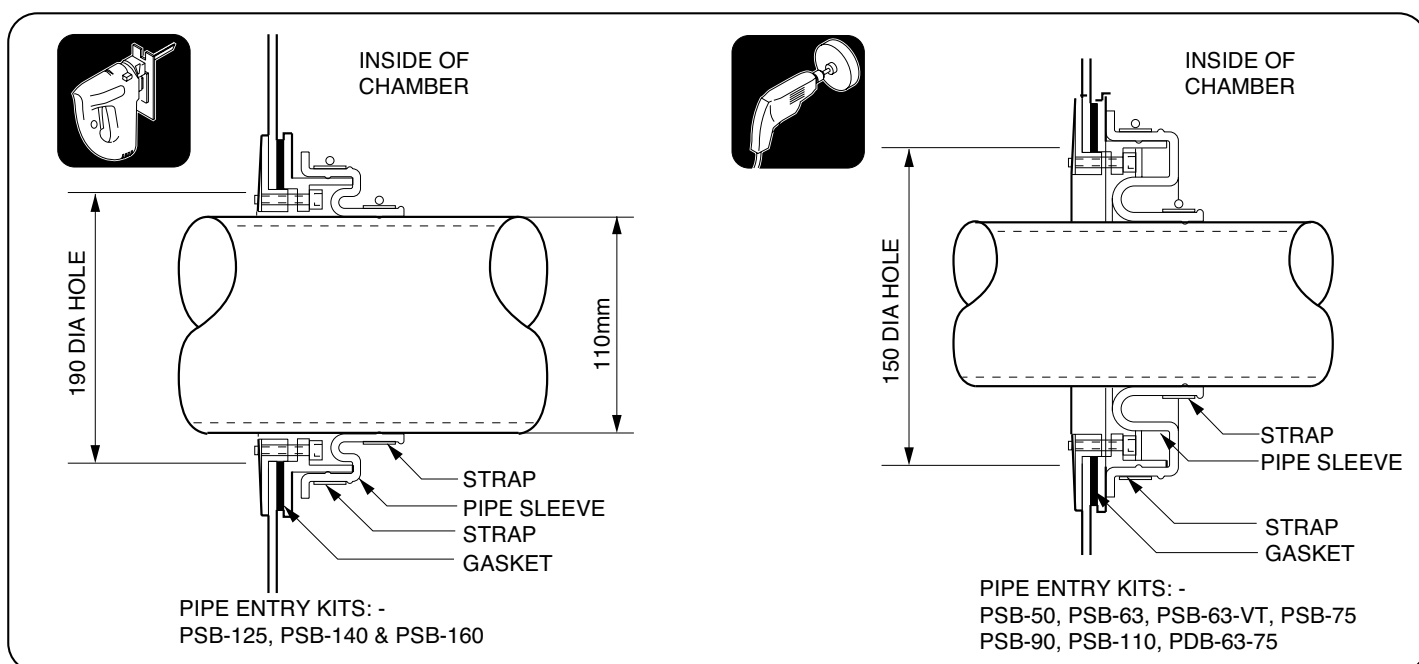
NB: Where appropriate, it is recommended that a drill piloted hole saw be used to cut the pipe/cable seal entry hole in the chamber.

Angles of flexible entry sleeves must not exceed 12° from centre line (24° inclusive angle).



DRILL AND HOLE SAW
ATTACHMENT OR JIGSAW

NB: Straps/clips are to be tightened in accordance with the pipe manufacturers recommendation



The exit position of the pipework through the chamber wall must be as close as possible to 90°. The pipe kit should be fitted so that the pipework is centrally positioned to the seal. When backfilling ensure that the pipework is not disturbed from this central position.

INSTALLATION INSTRUCTIONS

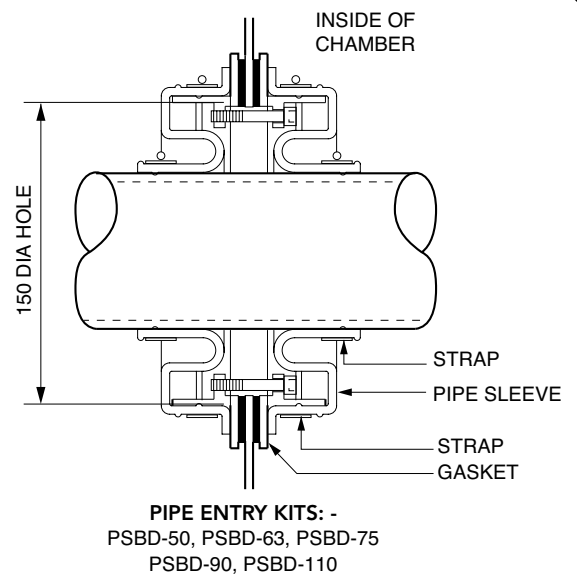
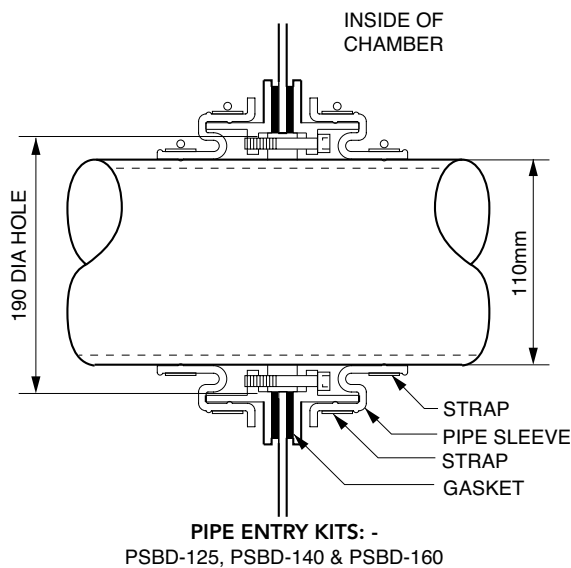
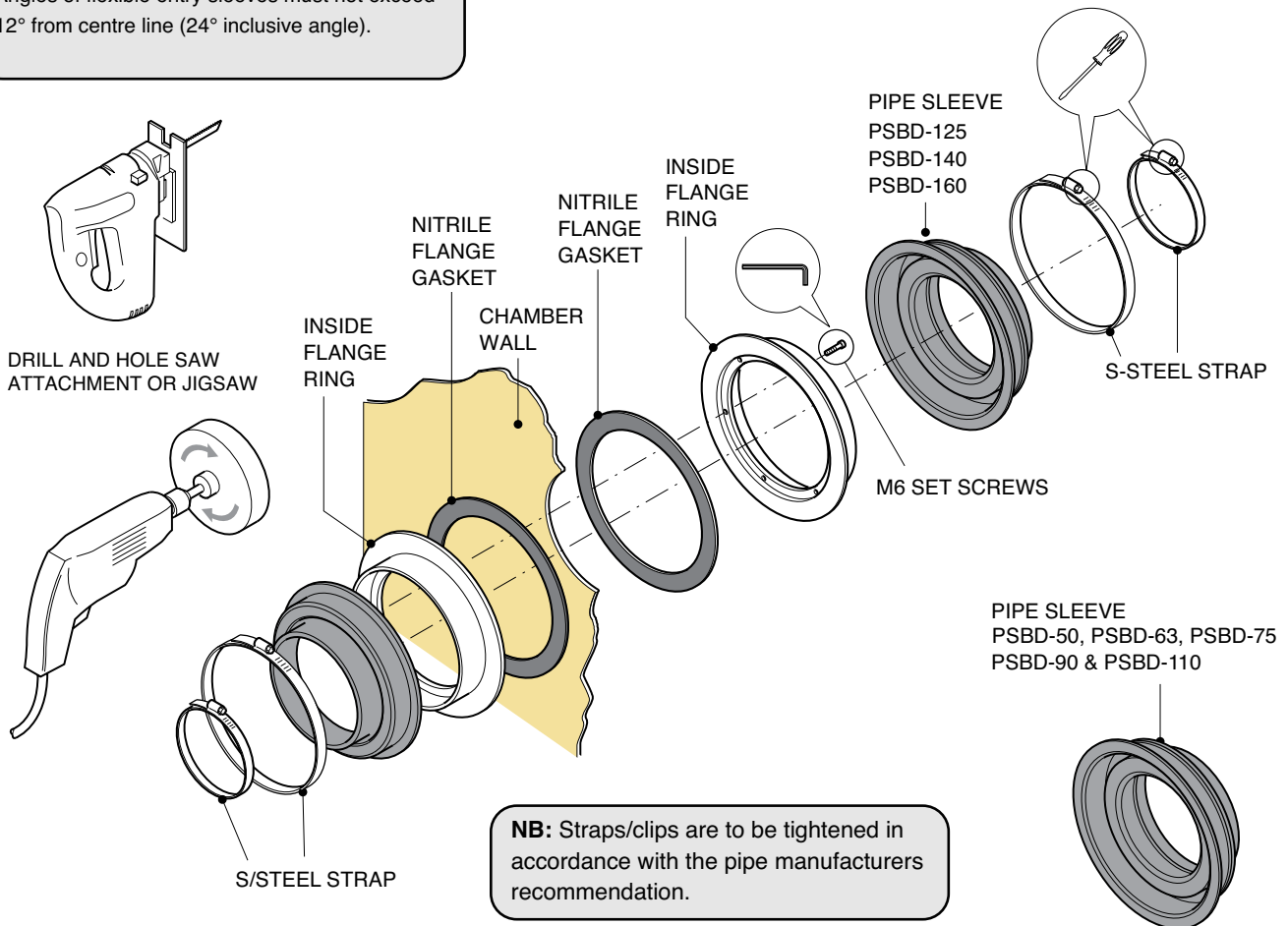
(Double Sided Pipe Sealkit Fitting Instructions)

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7a

NB: Where appropriate, it is recommended that a drill piloted hole saw be used to cut the pipe/cable seal entry hole in the chamber.

Angles of flexible entry sleeves must not exceed 12° from centre line (24° inclusive angle).

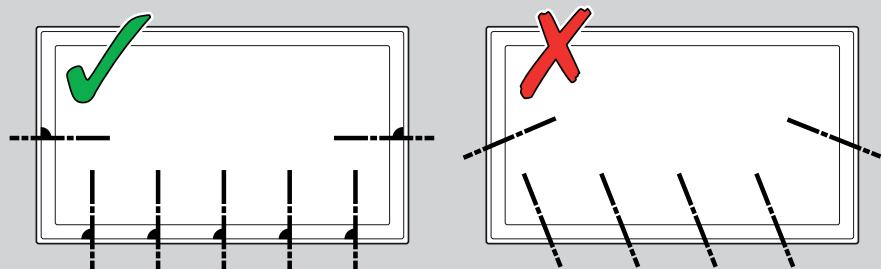


The exit position of the pipework through the chamber wall must be as close as possible to 90°. The pipe kit should be fitted so that the pipework is centrally positioned to the seal. When backfilling ensure that the pipework is not disturbed from this central position.

INSTALLATION INSTRUCTIONS

(Cable Entry Sealkit Fitting Instructions)

7c

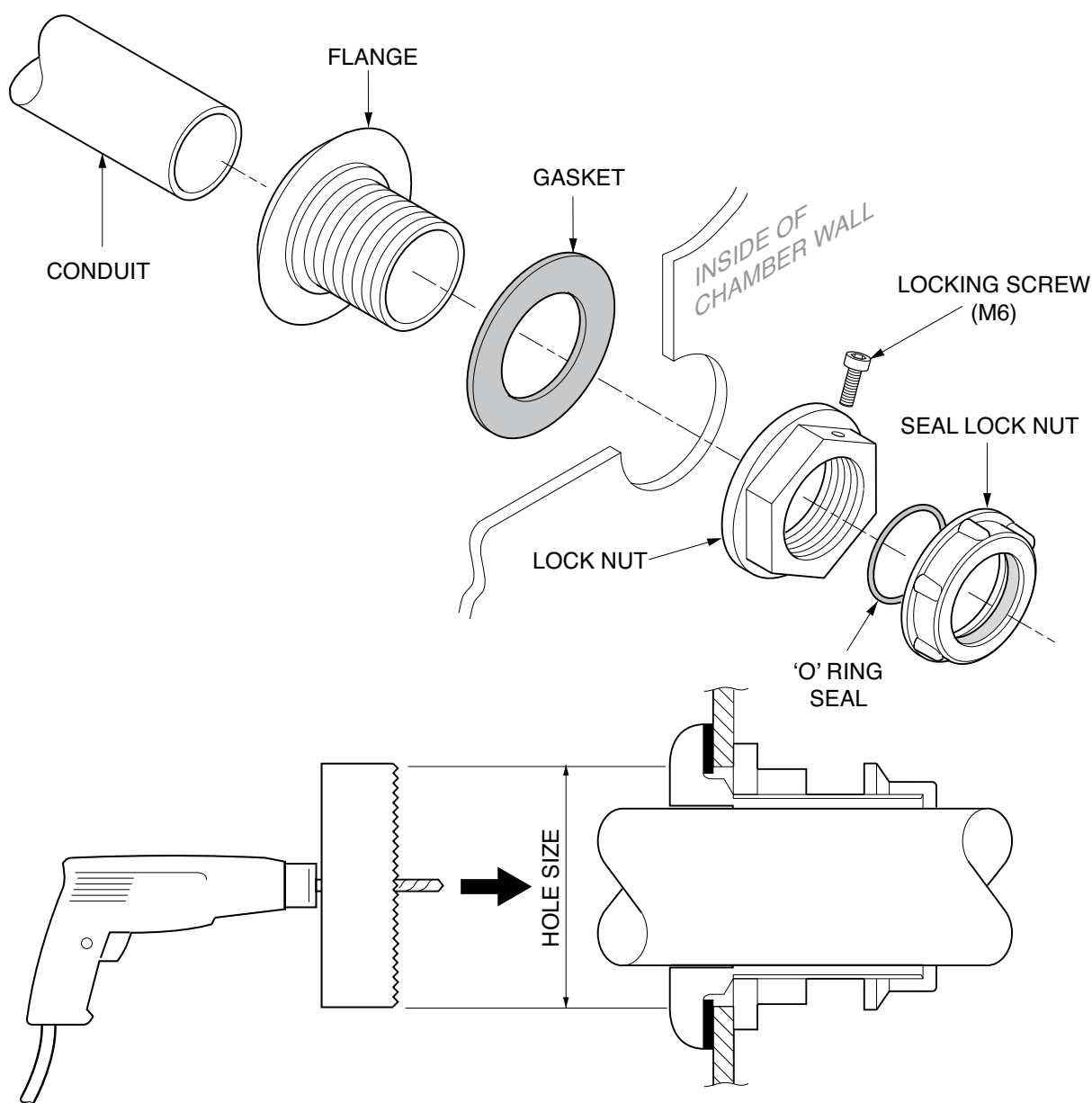


PEC KITS

Conduit must be installed at 90° angle to the side wall.

Use Fibrelite entry seal kit model PEC-32 to fit UPP + NUPI 32mm conduit.

PEC-27, PEC-33, PEC-50 to fit metal conduit sizes 3/4", 1" and 1 1/2" respectively.



NB: Use the correct size drill piloted hole saw for each entry kit. The cable entry seal must be fitted perpendicular to the chamber wall and the conduit must enter the entry kit perfectly aligned. When backfilling ensure the conduit is not disturbed.

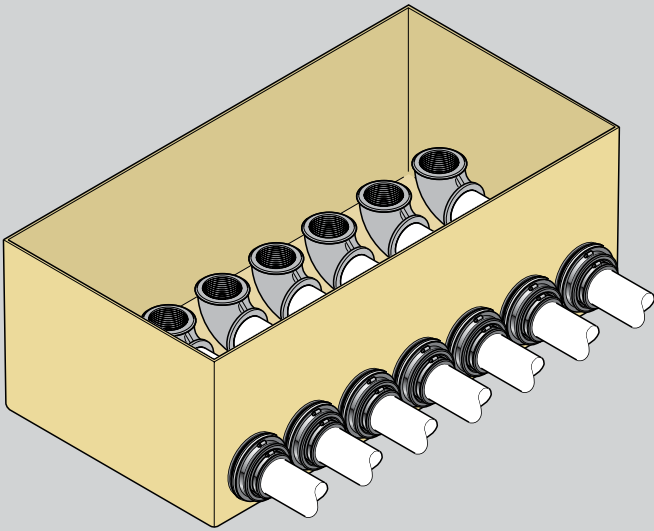
ENTRY KIT	HOLE SIZE
PEC-27	Ø51mm
PEC-32	Ø51mm
PEC-33	Ø60mm
PEC-50	Ø73mm

INSTALLATION INSTRUCTIONS

(Vacuum Testing)

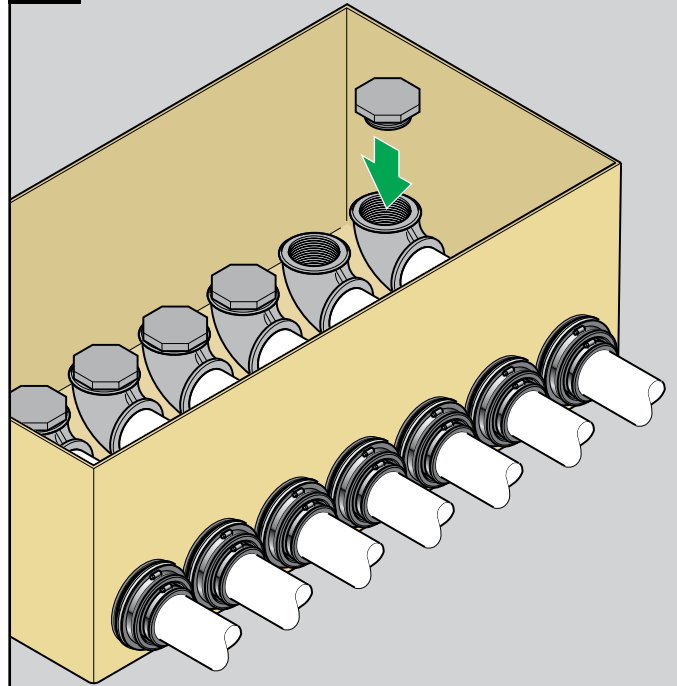
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8



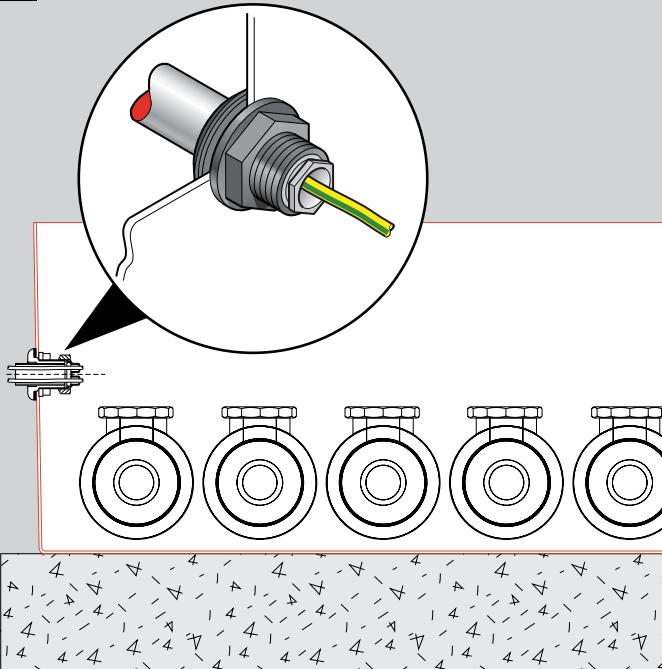
Pipework installed.

9



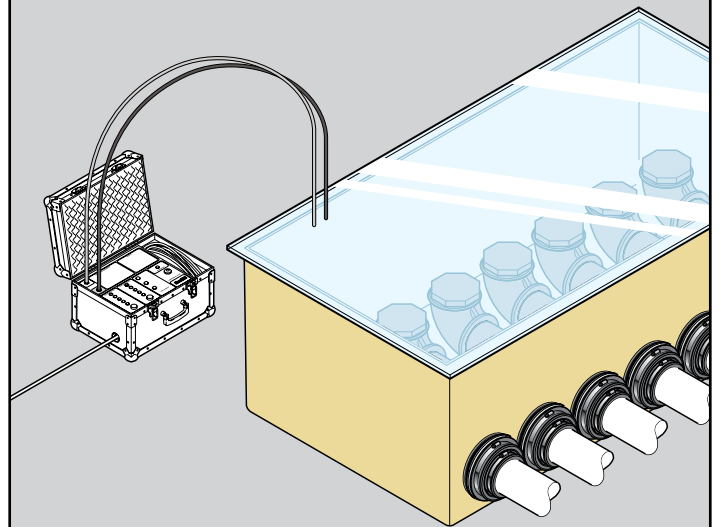
Fit plugs into the elbows.

10



Ensure that all electrical penetrations and connections inside the sump have been actioned.

11

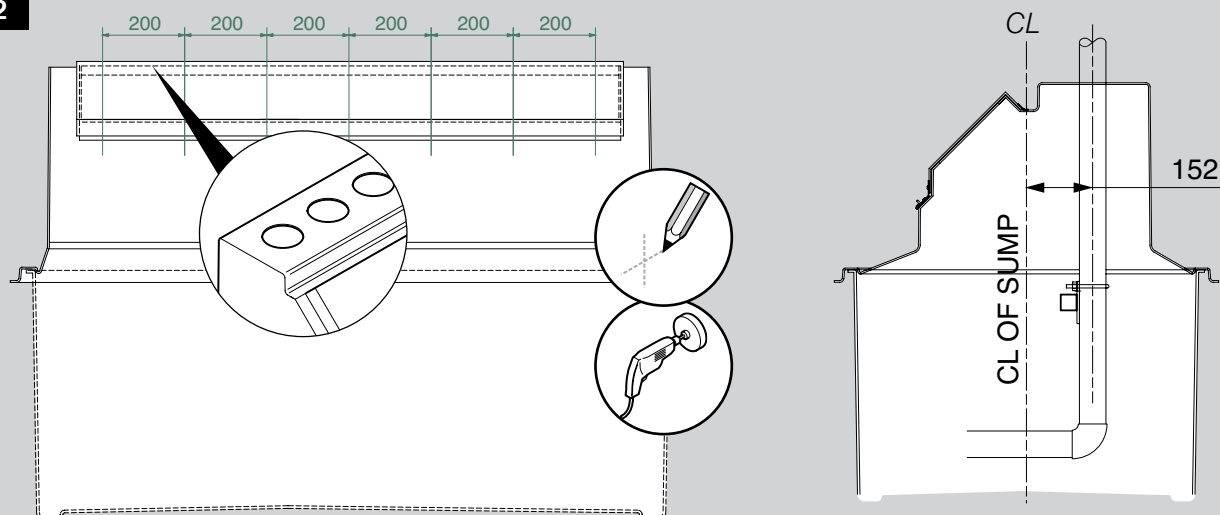


Vacuum test sump. Test **ONLY** at the 0.6m depth setting or irreparable damage may occur.

INSTALLATION INSTRUCTIONS

(Vertical Pipework Installation)

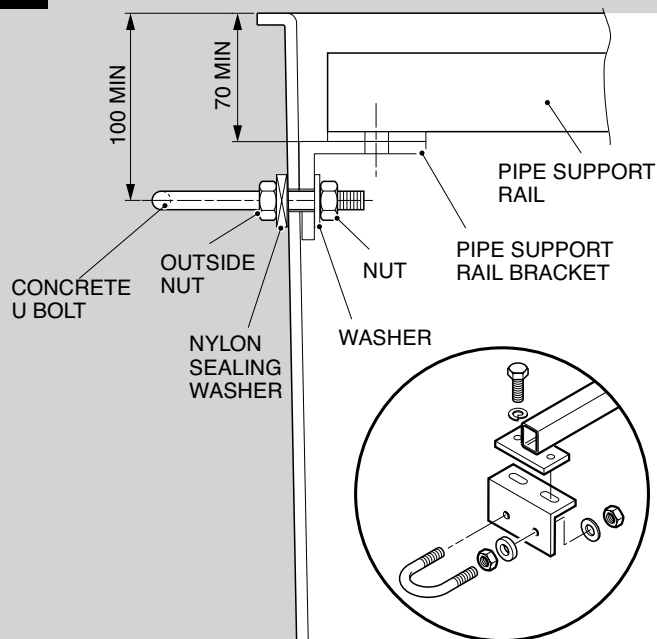
12



Mark out and cut holes in the corbel for the required number of vent pipes. The holes in the corbel **MUST** align with the holes in the sump. For Fibrelite entry boots, PSB-63-VT & PSB-90-VT drill a 150mm dia hole. Follow the pipekit installation instructions.

There must be a minimum of 200mm between pipe exit points. The pipe exit points will be 152mm set back from the centre of the sump.

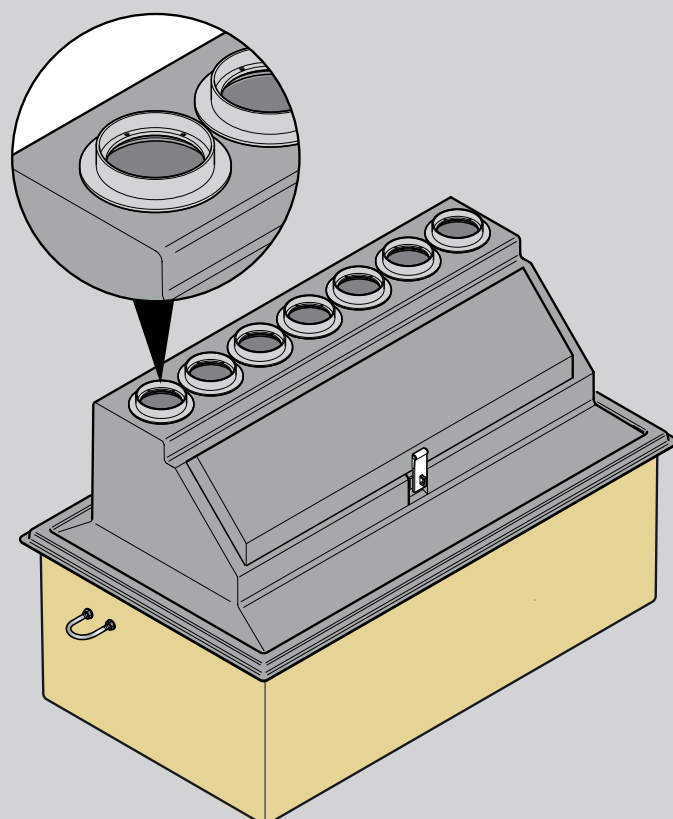
13



Fit the pipework support rail which is supported with 2 U-Bolt fixings through the sump end walls. Allow a minimum of 100mm below top of sump to the centre line of the U-Bolt. Mark and drill the holes for the u-bolts using a 12mm dia drill bit.

NB:- The outside nut on the concrete U-Bolt must be tightened until it stops on the thread & the Nylon Sealing Washer must be used on the outside between the nut & sump wall

14



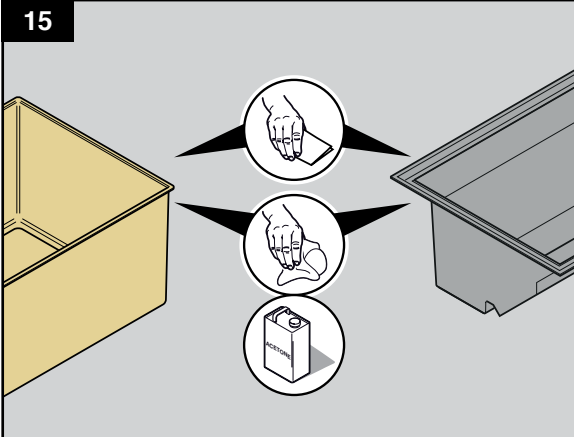
Fit the riser pipekits **without** the pipe sleeves. Follow the pipekit installation instructions.

INSTALLATION INSTRUCTIONS

(Corbel Installation)

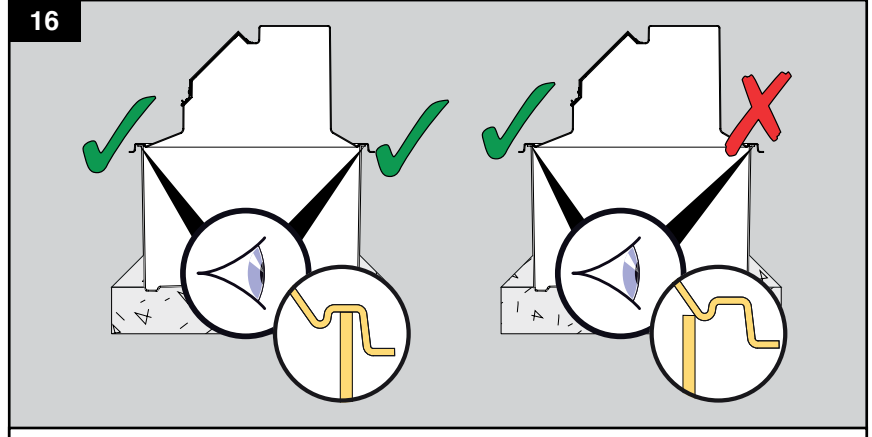
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15



Abrade inside groove of the corbel and the top of the sump (inside and outside wall) with sandpaper. Degrease with acetone.

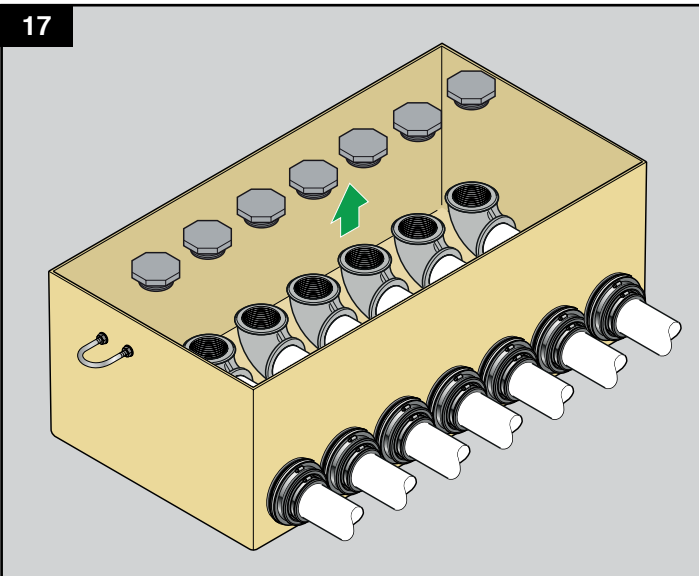
16



Dry fit the corbel on the sump to ensure it fits - push corbel groove onto sump wall.

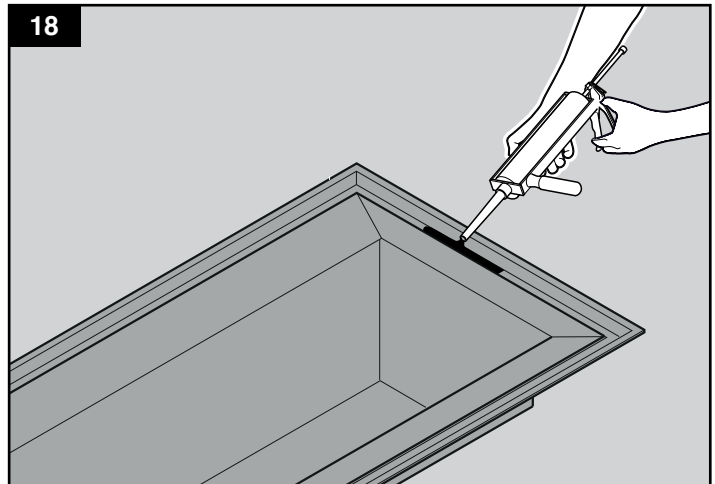
If it does not fit, pipework may have distorted the sump wall shape.

17



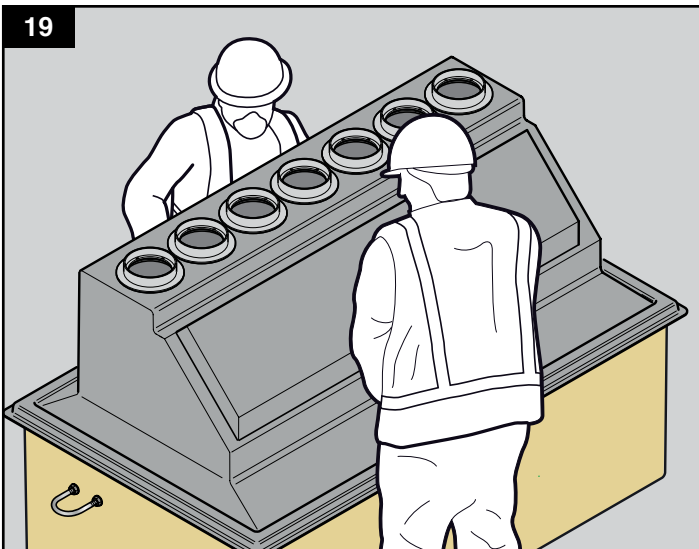
Remove elbow plugs.

18



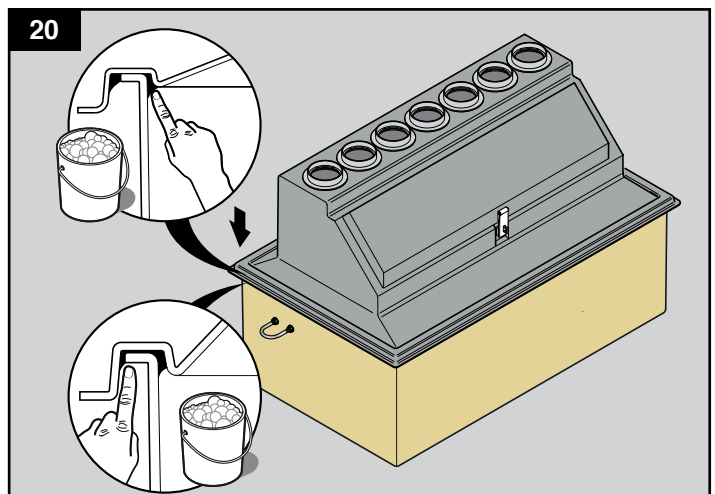
Apply 2 tubes of 40FC sealant in the groove of the corbel. Sealant should fill half the groove.

19



Place the corbel on the sump using 2 people and push it into position.

20



Apply sealant along BOTH the inside joint and outside joint between the sump & corbel. Smooth off sealant and push firmly into the gap to remove trapped air, using soapy water.

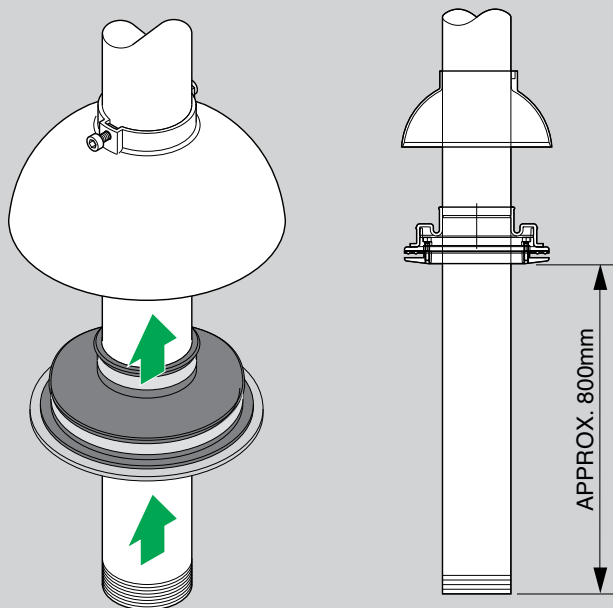
Use 2 tubes of sealant.

INSTALLATION INSTRUCTIONS

(Vertical Pipework Installation)

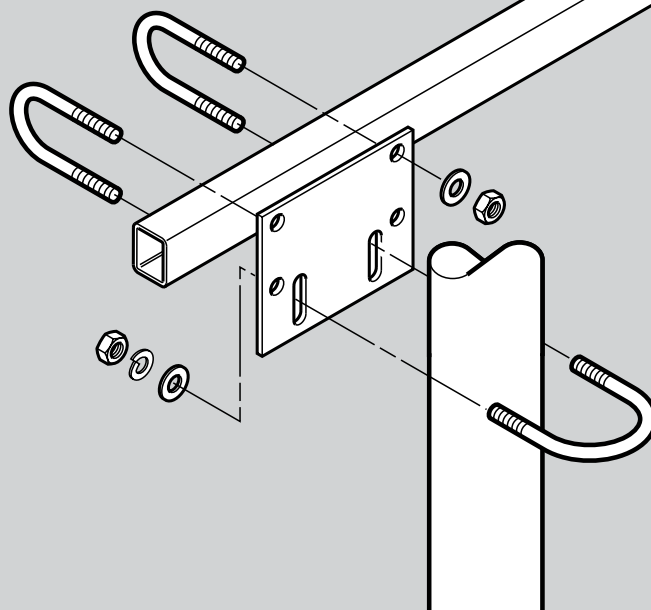
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21



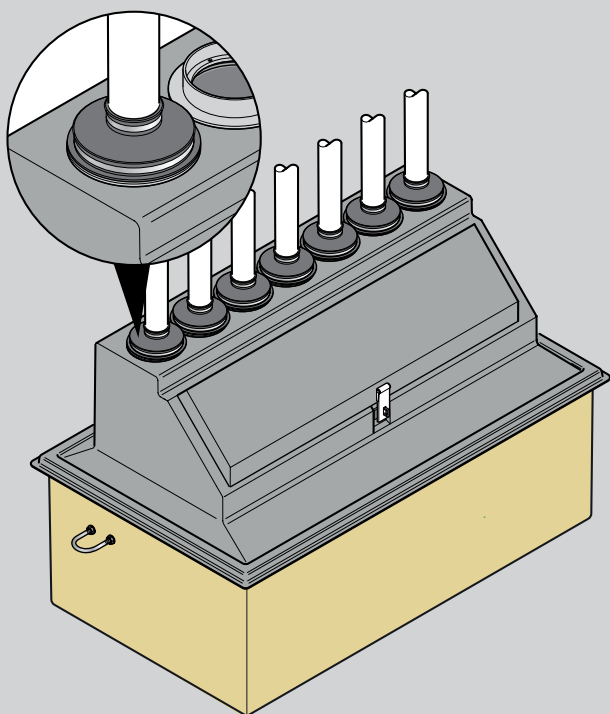
Slide the riser pipekit sleeves and VT-CAPS into the riser pipework approximately 800mm from the pipe base.

22



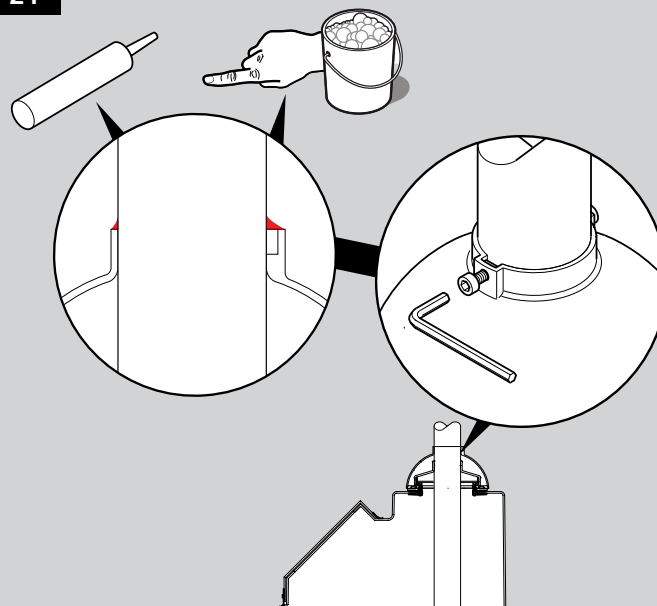
Install the vertical pipework while securing with the MPK-VENT mounting plate, pipe support rail bracket u-bolts and pipe riser u-bolt around the pipe support rail bracket.

23



Slide the riser pipekit sleeves down and secure around the flange rings.

24



WARNING!
Do not over-tighten or irreparable damage may occur.

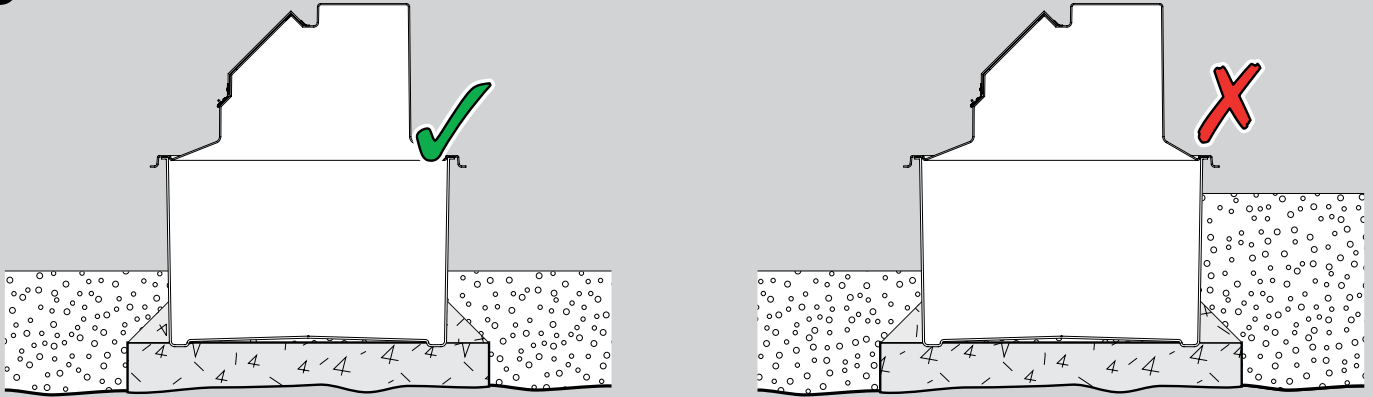
Slide VT-CAP's into position over the riser pipekit sleeves and tighten. Run a bead of sealant around the riser pipe and VT-CAP joint and smooth off with soapy water.

INSTALLATION INSTRUCTIONS

(Backfilling and Concreting)

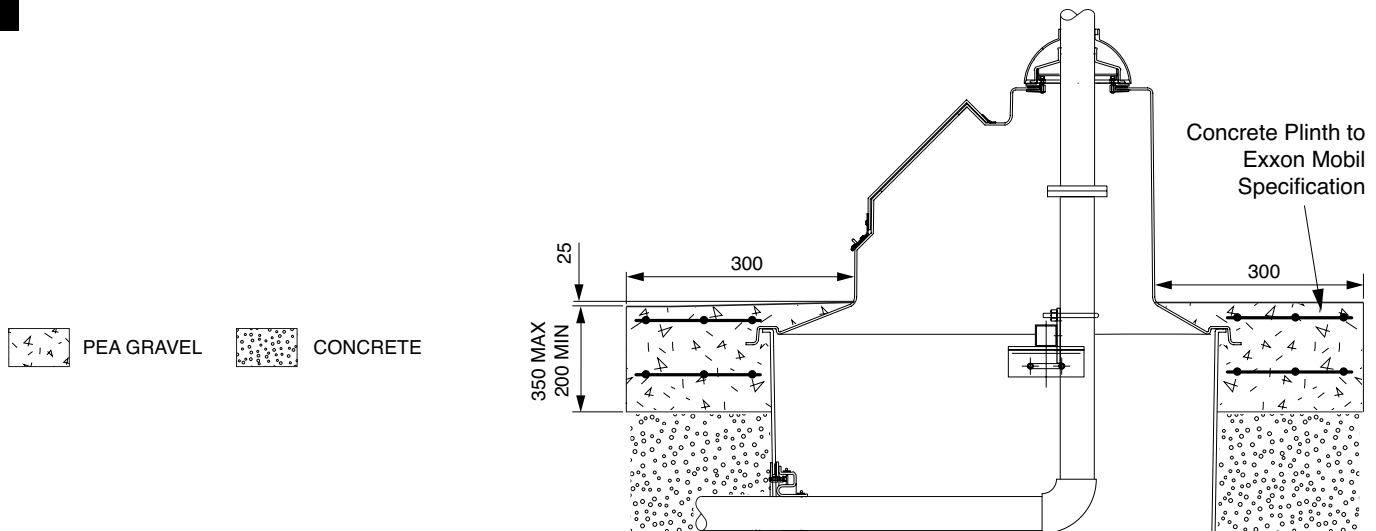
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25



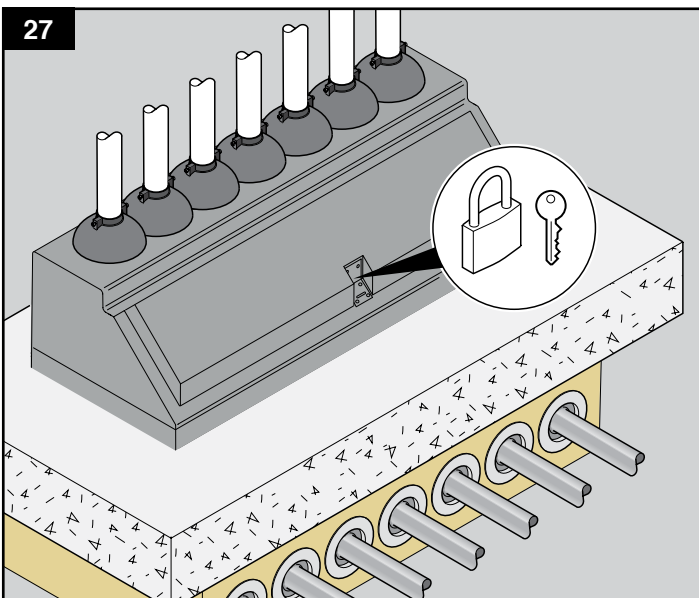
Carefully backfill the area around the sump with peagravel or sand. Backfill equally around the sump in layers to prevent damage or deformation.

26



Pour concrete. Create a concrete plinth around corbel, minimum thickness 200mm.

27



Fit suitable padlock to the clasp on the door (not supplied).