INSTALLATION INSTRUCTIONS
S2 Remote Fill Systems

1. Prepare concrete slab at the correct height and install the sump ensuring that it is level. Measurements from the external base of the sump to the top up of the sump (not the gasket) to forcourt level must be adhered to.

2. If the pipework is prefitted, connect the outside pipework to the pipe stubs using a welding socket and weld pipes. Continue to page 7.

3. Remove the spill container if it is fitted.

4. If the sump has not been pre-drilled, mark out the position for the fill/VR1b pipes and cut holes for the entry kits as per the manufacturers recommendations. Ensure the horizontal positions of the entry holes match to the ports in the spill container.

5. Place the support foot/feet into position and fit the pipework ensuring the riser positions align with the apertures in the spill container. It will be necessary to refit the spill container for alignment. Once aligned remove the spill container and bond the pipework support feet to the base of the sump with a small bead of sealant.
Make all electrical connections inside the sump.

Perform vacuum test of the sump using the following procedure.

Test ONLY at the 0.6m depth setting or irreparable damage may occur.

a. Remove riser pipe/s.

b. Fit plug into the termination fitting.

c. Fit S2 sump test plate.

d. S2 SUMP TEST PLATE

e. Carry out test.

f. Refit pipe riser/s.

g. Remove test plate and plug.
Drill holes in the fill riser to accommodate the 1/2” BSP male adapter and weld in position ensuring that the coned seating face is on the outside.

ENSURE THAT ADEQUATE ‘FALL BACK’ IS ACHIEVED.

THE BELOW MEASUREMENTS ARE A GUIDE ONLY

Mark out the position for the BSP male adaptor. The drain back must be connected to the fill pipe at the lowest fuel grade.

Refit the spill container ensuring that the gasket is in place.

Attach the drainback hose to the adaptor in the base of spill container.
12. Bolt down the spill container using the supplied nuts and washers.

13. 1/2" BSPP-BSPT ADAPTOR WELDED TO RISER

14. Attach the drainback hose to the welded adaptor in the riser pipe.

15. Fit the VR1b/Fill caps.

Seal the pipe risers to the spill container with the appropriate entry boot gaiters.
If the inspection cap is fitted, remove it. Place test disc in the inspection port position and perform vacuum test of the spill container. Test **ONLY** at the 0.6m depth setting or irreparable damage may occur.

Refit the inspection cap and secure by tightening the clip with a screwdriver.

Fitting the platform if it is included in the system.

Seat the platform onto the spill container. If the system includes a drainback, remove the extended drainback plunger and then refit the plunger. If the platform does not have precut holes refer to the platform installation instructions.

**NB:** The platform is NOT bolted down to the spill container/sump but is sat over the threaded studs and nuts.
Thoroughly abrade the outside surface of the sump and the inside surface of the skirt.

Degrease the outside surface of the sump and the inside surface of the skirt with a suitable degreasing agent such as Acetone.

Fix the foam spacer blocks to the outside of the offset fill sump at the height of 60mm.

Ensure that the space between the sump and skirt is equalized.

Set frame to the correct height using the hanging rods.

Lay concrete to the required specifications.

Remove the 4 hanger rods.

Sprinkle sand into the space between the outside of the sump and the inside surface of the skirt. The distance from the top of the sand to the top of sump should be 15mm.
INSTALLATION INSTRUCTIONS
S2 Remote Fill Systems

27

= 4.5 litres

The two part cold poured expansion joint sealant consists of one large tin pack (A) and one small tin pack (B).

The combined contents of pack A&B is 4.5 litres.

15

Using a suitable rod or stick stir the contents of pack (A).

16

Stir the COMPLETE contents of pack (B) into the tin containing pack (A) to give a combined content of 4.5 litres.

**NOTE:** The contents of both tins are sufficient to seal 4 offset fill sumps.

17

Mix contents together for a full 5 minutes using a slow speed electric drill (400-500rpm) with a low viscosity mixing paddle until a completely homogeneous mix is obtained. Mixing is made easier if pack (B) is added in two stages.

28

Decant a suitable amount of mixed sealant into a smaller tin/pot (DO NOT USE THE TIN THAT CONTAINED PACK “B”) and pour the mixed sealant into the void between the sump & skirt.

29

Application Temperature: +5 to +45 degrees °C

(DO NOT apply at temperatures below +4 degrees °C)

Pot Life: 45 minutes at 25 degrees °C

Cure Times: Tack Free: 2 1/2 hours at 25 degrees °C

Full Cure: 2 days

(Note: low temperature impede cure)

30

Wait 24 hours after the sealant has been poured between the sump and skirt, before performing a vacuum test.

Place a round CTP/FL760 or a square CTP/FL60 test plate in the frame. Perform a vacuum test ONLY at the 0.6m depth setting or irreparable damage may occur.

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Fit the access cover.