Risbridger
Quality Engineering Solutions

INSTRUCTION SHEET

RIS-FLANGE2-SO-SUCTION-R2M-LT INSTRUCTIONS

The RIS-FLANGE2-SO-SUCTION-R2M-LT with an added lever operated shut-off feature allows line testing without any disassembly in the containment chamber. This assembly comes with a suction tube deflector and rivets to attach to a suction tube.

N.B: It is important that the lever is locked in the 'open' position for normal suction operation using the cable tie supplied.

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INSTALLATION

1. Measure from the tank bottom surface to the tank lid top surface, at the suction entry point. This distance is the correct overall length for the drop tube and compensates for the intake, bottom clearance and valve stand-off height.

2. Cut (non flared end) suction tube to the length required using a pipe cutter for a clean square cut. Ensure external edge if fully deburred to avoid damage to the O-ring fitted in the thread adaptor.

3. Using either the paper drill guide provided or the RIS-FLANGE2-SUCTION-JIG (sold separately) at the cut end to drill 3 x equi-spaced 3.2mm rivet holes in the tube. Remove all burrs and clean the external wall of the tube. **Do not rivet until adaptor is placed over the tube.**

4. Smear the large section internal O-ring with a suitable O-ring grease to assist fitting over the drop tube.

5. Slide the thread adaptor over the suction tube with care to avoid damage to the internal 'O' ring. The 2" BSPT threaded end of the adaptor must face away from the flared end of the suction tube.

6. Using a hand rivet gun and the rivets supplied, rivet the intake deflector onto the bottom of the suction tube.

7. Place the RIS-FLANGE2-SO-SUCTION-R2M-LT body in a soft jaw vice clamping the sides (not the side entry port).

8. Place the flat rubber washer inside the base recess of the suction body against the flat internal face.

9. Push the flare end of the suction tube against the rubber washer and screw the threaded adaptor into the valve body and tighten using a 70mm spanner. This will press the suction tube into the rubber washer, creating a seal.

10. Check that the 2" BSP female thread on the tank lid is clean and free from any debris.

11. Insert the suction tube and valve into the tank and screw the adaptor into the tank lid until tight using a 70mm spanner. The tapered thread should create a seal when tightened appropriately.

12. Test the system for vapour tightness.

13. After testing, wrap the cable tie through the 'flip over lever' cross hole and around the side entry pipe work and lock in the normal 'open' position.

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