

Maintenance and Fault Finding Instructions for:
DEAD-STOP-2 (2" Pressure Fill)
Overfill Prevention Valve



**ALWAYS USE
NON-SPARK TOOLS!**

**OVERFILL VALVES MUST ALWAYS BE TESTED FOR CORRECT
OPERATION BEFORE THE SITE INSTALLATION IS SIGNED OFF**

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Introduction:

The DEAD-STOP-2 valve is opened by the flow of product being delivered into the tank and is closed against the delivery flow when the float lifts at the pre-set maximum tank capacity (Normally 95% of tank capacity).

NB: If use with alternative fuels outside this spectrum is required please refer to Risbridger Ltd.

For details of installing an extension to the Float Assembly to the correct level please see: DEAD-STOP-EXTENSION KIT Installation Instructions. Should the float become damaged and stuck in the open position the valve will fail to close and will not prevent an overflow when the fluid reaches the shut off level.

Should the DEAD-STOP-2 valve need servicing or replacement parts please contact Risbridger Ltd for more information.

Before starting a Maintenance or Testing Operation Please make sure you observe the correct Health & Safety Precautions and carry out work with due adherence to Site Specific Regulations.

Before starting work ensure you have the following:-

RECOMMENDED MAINTENANCE TOOLS REQUIRED

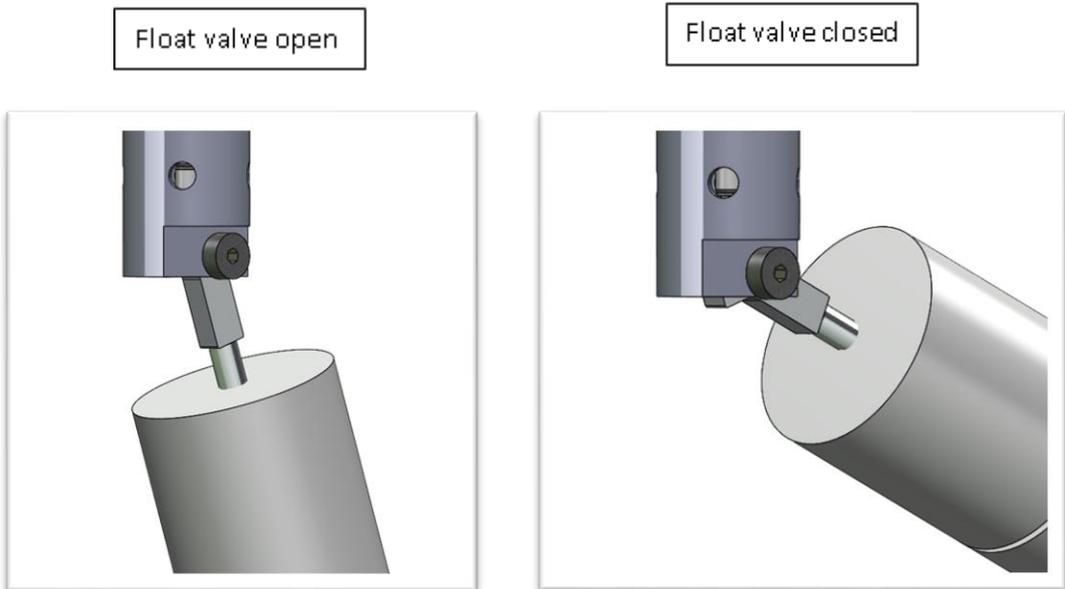


- Spanners 21mm, 24mm, 25mm and 70mm
- RIS-FLANGE2-CAP-WRENCH
- Thread / O-ring Grease
- Bondloc B542 (or equivalent semi-permanent thread sealant)

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FAULT FINDING – STEP 1:

Checking that the float is operating correctly



1. With the float held in the upright position, manually lift the float stem. You should see the poppet inside the float body moving up and down as the float is moved.
2. If the poppet is not moving, clean with an airline if available then apply an aerosol lubricant through the side hole in the float body. DO NOT USE OIL (e.g., 3-in-1 oil) as this can result in the valve sticking, causing incorrect operation.
3. If the valve is still not moving freely, please contact Risbridger Ltd.

IF THE VALVE DOES NOT MOVE FREELY, THEN THE VALVE NEEDS RETURNING TO RISBRIDGER FOR INSPECTION AND REPAIR OR REPLACEMENT. ENSURE THAT THE PIPEWORK IS CORRECTLY IN-LINE AND DOES NOT REQUIRE FORCE TO BE ALIGNED. EXCESSIVE FORCE FROM THE INLET PIPEWORK WILL TWIST THE VALVE AND PREVENT IT FROM OPERATING CORRECTLY.

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FAULT FINDING – STEP 2:

Checking that the valve is moving freely.

Float valve closed



Float valve open



1. Check the valve moves freely, there should be about 20mm of travel in the poppet.
2. If the poppet is not moving, clean with an airline if available then apply an aerosol lubricant through the side hole in the float body. **DO NOT USE OIL** (e.g., 3-in-1 oil) as this can result in the valve sticking, causing incorrect operation.
3. If the valve is still not moving freely, continue to step 3 of this document

IF THE VALVE DOES NOT MOVE FREELY, THEN THE VALVE NEEDS RETURNING TO RISBRIDGER FOR INSPECTION AND REPAIR OR REPLACEMENT.

ENSURE THE PIPEWORK IS CORRECTLY IN-LINE AND DOES NOT REQUIRE FORCE TO BE ALIGNED. EXCESSIVE FORCE FROM THE INLET PIPEWORK WILL TWIST THE VALVE AND PREVENT IT FROM OPERATING CORRECTLY.

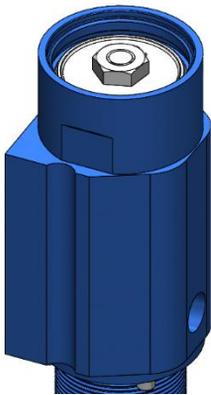
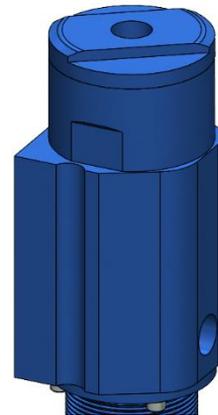
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FAULT FINDING – STEP 3: Check that the valve moves freely when connected to pipework.



1. Ensure that the line is not under pressure and leave all pipework connected to the valve. Remove the external pipework using a 25mm and 27mm spanner.

2. Using the 70mm spanner on the flats on the body and the RIS-FLANGE2-CAP-WRENCH on the top cap, loosen and unscrew the top cap, taking care not to damage the O-ring.



3. The top piston should move up and down freely. If it doesn't, clean with an airline and lubricate using an aerosol lubricant. If the piston continues to stick, please contact Risbridger Ltd for further advice.

IF THE VALVE DOES NOT MOVE FREELY, WHEN CONNECTED TO PIPEWORK, BUT DOES MOVE FREELY WHEN PIPEWORK IS REMOVED, THEN THE PIPEWORK NEEDS RE-ALIGNING OR A FLEX CONNECTOR NEEDS TO BE INSTALLED ON THE FACE OF THE VALVE TO RELIEVE STRESS ON THE VALVE. ENSURE THE PIPEWORK IS IN-LINE AND DOES NOT REQUIRE FORCE TO BE ALIGNED. EXCESSIVE FORCE FROM THE INLET PIPEWORK WILL TWIST THE VALVE AND PREVENT IT FROM OPERATING CORRECTLY.

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FOR REFERENCE.

Risbridger Ltd offer a range of tools specifically designed for Risbridger products. For further details please contact Risbridger,

For installation details of the products supplied with a DEAD-STOP-2 and maintenance instructions, please see the following documents enclosed with the products or view on our website:

- DATA-DEAD-STOP-2--
- INS-DEAD-STOP-2--
- INS-DEAD-STOP-2-EXTENSION-KIT--

WARRANTY.

All RISBRIDGER Ltd products are guaranteed against defects in material and workmanship for a period of 12 months from the date of purchase subject to normal use and service. The sole obligation under this warranty is limited to repair or replacement, at the option of RISBRIDGER Ltd any product found to be defective upon examination provided that such product will be returned for inspection carriage paid, within three months of installation. Liability is strictly limited to replacement of defective parts manufactured by RISBRIDGER Ltd and no liability can be accepted for any loss or consequential damages arising from the installation or use of any products supplied by RISBRIDGER Ltd whatsoever the cause. This warranty shall not apply to any product subject to abuse, negligence, accident, misapplication or any alteration by others.

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Quality...for more
than*



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