Maintenance and Fault Finding Instructions for:

DEAD-STOP (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

Risbridger
Quality Engineering Solutions

www.risbridger.com

Installation Options

The DEAD-STOP 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: INS-DEAD-STOP-ADJUSTABLE-FLOAT Installation Instructions.

Should the float become damaged and stuck in the open position the valve will fail to close and will not prevent an overfill when the fluid reaches the shut off level.

Should the DEAD-STOP valve need servicing or replacement parts please contact Risbridger Ltd at info@risbridger.com 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:-

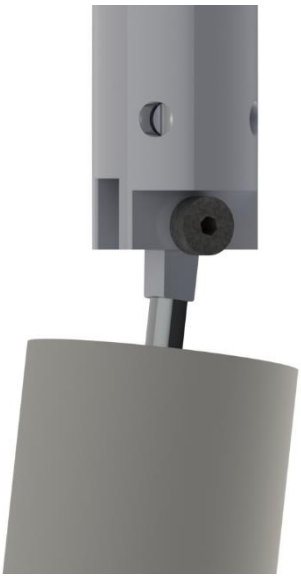
RECOMMENDED MAINTENANCE TOOLS REQUIRED

- 21mm, 28mm & 70mm spanners
- Torque wrench with 10Nm to 30Nm range minimum
- 13mm socket
- Thread / O-ring Grease
- Bondloc B542 (or equivalent semi-permanent thread sealant)

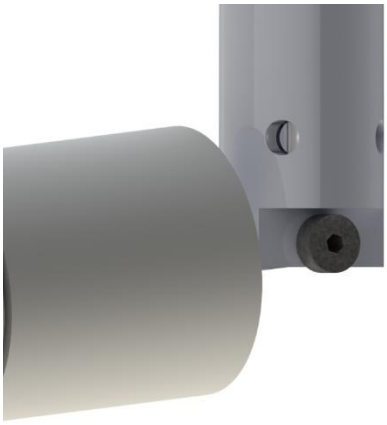
Fault finding – Step 1

Checking that the float is operating correctly

Float valve open



Float valve closed



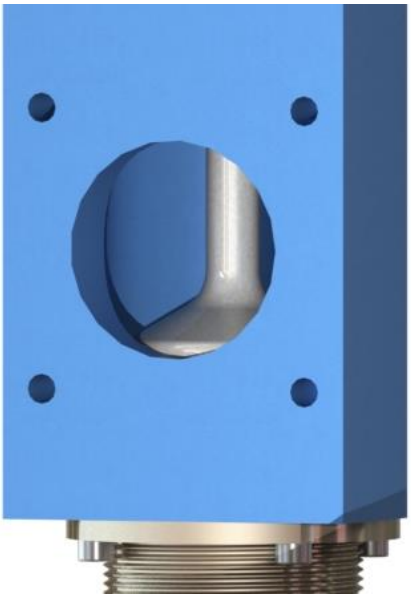
1. With the float held in the upright position, manually lift the float stem. Looking through the cross holes, you should see the poppet inside the float body moving up and down as the float is moved.
2. If the poppet is not moving, clean with an airline if available then apply an aerosol lubricant through 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.

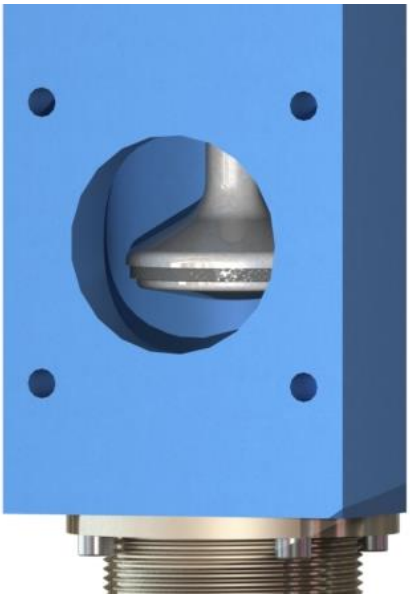
Fault finding – Step 2

Checking the lower main valve is moving freely and there is no debris present.

Valve closed



Valve open



1. Check the valve moves freely, there should be about 20mm of travel in the main valve poppet. If the poppet isn't moving freely, proceed to fault finding step 3.
2. Ensure there is no debris around the valve seat feature preventing the valve from fully closing.
3. Ensure the seal is correctly seated in the groove on the poppet and isn't damaged in any way.

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.

Fault finding – Step 3

Check that the upper main valve moves freely.

1. Using a 28mm spanner, remove the top cap, taking care not to damage the O ring on removal.

2. 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 valve doesn't move freely after following these steps, please contact Risbridger Ltd for further advice.

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.

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 and maintenance instructions, please see the following documents enclosed with the products or view on our website:

- DATA-DEAD-STOP
- INS-DEAD-STOP

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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