

LOGSTOR Installation Instructions

Flexible pressure tool for EWJoint ø 90-200 mm



Installation instructions

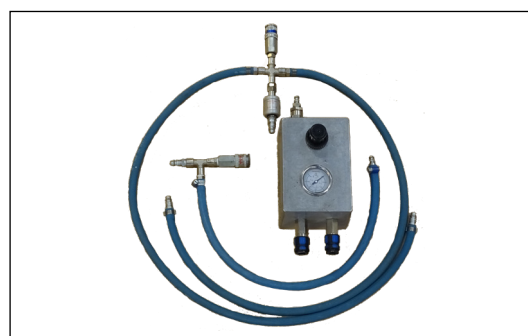
Flexible pressure tool for EWJoint \varnothing 90-200 mm

Pressure tool contents

- 2 x AirLock \varnothing 90-200 mm.
- 2 x pressure bands, circumferential, \varnothing 90-200 mm.
- 2 x wedges for pressure band support.



Pressure tubes and reduction box for flexible pressure tool.



Airlock

The AirLock clamp is used to adjust and squeeze the circumferential pressure bands.



Wedges

Wedges to be used under the pressure band.



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Installing EWJoint

Install the EWJoint in accordance with Weld Joint Manual p. 3.1.1 – 3.1.4.

It is recommended to install tape in the weld zones to ensure a long service life of the pressure tubes. Remove the tape, before leakage testing.

Now install the flexible pressure tool as described in the following.



Installing pressure band and AirLock

Wrap the pressure band around the pipe.

Place the AirLock with the pressure band as illustrated.

The pressure band must be depressurized. This is done by releasing the check valve.

It is important that the AirLock is installed perpendicular to the pressure band so the pressure is evenly distributed from side to side.

The pressure band is placed in the AirLock and tightened manually, so the pressure band is in contact with the casing joint all the way around.

Make sure the pressure band is not twisted.



Installing AirLock

Only now the handle of the AirLock is completely closed. Mind your fingers.

Hold the AirLock clamp, so the fingers are not between the clamp, and close the handle.

Push the wedge between the pressure band and the AirLock. Make sure the wedge is installed in the middle of the pressure band.



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Installing AirLock continued

Place the pressure band, so 20 mm protrudes the casing joint rim.

Repeat the procedure at the opposite end of the casing joint.

Make sure the terminals are not in contact with the pressure band. Use a piece of emery cloth between the terminal and pressure band, if necessary.



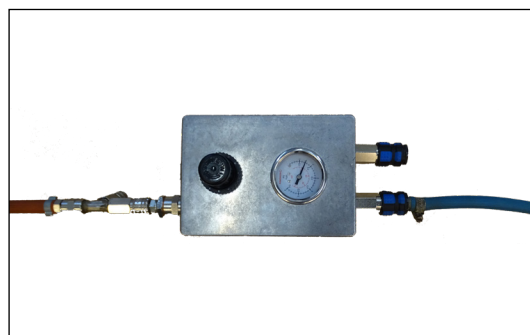
Connecting pressure tubes

Connect the red tube (high pressure) to the reduction box.

The pressure on the reduction box is guiding. When the PDA has been connected, the pressure is checked according to the PDA.

Adjust the pressure on the reduction box to approx. 1.5 bar, before opening for the pressure. Connect the blue tube (low pressure) to the reduction box.

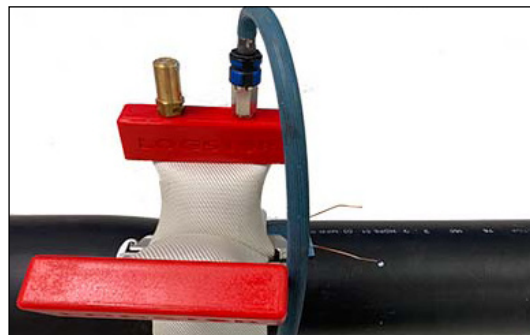
The valve of the distributor must be in closed position, until all pressure tubes have been connected.



When all tubes have been connected, open the valve, so the pressure bands are pressurized.

Please check:

- Both pressure bands are pressurized
- The position of pressure bands is correct
- The pressure bands are not in contact with the terminals



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Connecting pressure tubes, continued

Connect welding cables and sense cables to the front of the WeldMaster/ WeldMaster Light.

Connect the two cables from the WeldMaster /WeldMaster Light to the terminals in the casing joint - be careful with the connection. It must be good. Fasten the clamps.

Check that the pressure on the PDA or LOGSTOR Connect app is 1.5 bar. WeldMaster/WeldMaster Light monitors that the pressure is within the allowable tolerances during the weld process (1.4 – 1.7 bar).

Now continue the installation as described on p. 3.1.10 – 3.1.19 in the Weld Joint Manual.



Maintenance

At regular intervals inspect tubes, tools, and safety equipment for damage.

Minimum every third month inspect the pressure bands which are used regularly for damages and leaks.

Pay special attention to the fold at both sides of the pressure bands as regards leaks. Check for leaks by adding air pressure and use leak spray.

Likewise check the pressure band for wear on the side, facing the casing joint.

Register, that the pressure band has been inspected - by entering the date on the pressure band or under comments in the casing joint installation report.

Regularly check the tool for visible damages, including safety valves and AirLock.

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