

WASK 1" Standpipe Kit – AC0270

The Tool kit has been designed solely for use with the **Uponor or Durafuse 32mm Purge fittings** and is not suitable for other manufacturers' fittings.

Intended for use venting during direct purging or venting operations at a **MOP = 2 Bar**. This equipment should be used in accordance with National Grid standards **T/PR/ML/3** and must not remain permanently attached to the pipeline.

Assembly & testing the equipment.

1a. Following electrofusion of the 32mm fitting to the main, remove the completion cap from the fittings and store in a safe place. Do not remove the integral cutters.

1b. The 32mm Purge tool body assembly can now be attached to threaded top of the fitting taking care not to over tighten the adaptors on to the PE threads. The adaptors seal with an O-ring so undue force is not required.

2. Fit the 1" test point (EA0268) to the 32mm Purge tool and test the electrofusion fitting and tool joints for leakage. On successful completion of the pressure tests, remove the 1" test point.

Drilling the 32mm tool.

3a. The 32mm drill spindle assembly is then connected to the body and lowered through the open ball valve so that the hexagonal end is located into the integral punch cutter. The assembly is hand tightened to seal.

3b. Engage a ratchet spanner to the 1/2" square at the top of the of the spindle and rotate in a clockwise direction until the main has been pierced. Note, the fitting manufacturers instructions must be observed.

3c. Unscrew the drill spindle/cutter completely until it is free from the fitting body threads, then raise the drill spindle to its stop.

3d. Close the ball valve.

3e. Detach the drill spindle complete with cutter and pipe coupon and store safely for re-use at end of procedure.

Building the Stand Pipe.

4a. Assemble the swivel head (EA0263) onto the valve outlet and hand tighten, note this joint has an O-ring seal so does not require tightening with a tool or spanner. The supporting arms can now be raised by depressing the spring loaded plunger and rotating through 90 degrees, releasing the plunger will lock the arms in the raised position.

4b. Fit the lower vent pipe (EA0258) to the swivel head by engaging the cam-lock joint. This is accomplished by first raising the 2 locking arms to allow the male spigot to enter the female socket having first checked the presence and condition of the rubber seal in the female socket. One correctly located, the locking arms can be lower to lock the two parts together, ensure both arms are operated together and do not use excessive force.

The arms can now be extended and braced against the trench sides to support the vent stack.

4c. The upper vent pipe (EA0259) can now be prepared for fitting having determined if the 1" flame trap is to be fitted as follows :-

Normal venting and depressurization operations – fit flame trap (EA0261)
High flow – direct purging operations – DO NOT fit flame trap.

Fit the correctly configured upper vent pipe in the same manner as the lower vent pipe, step 4b.

The Stand Pipe is now ready for use and can be put into operation by opening the ball valve.

Removal of the equipment – Stand Pipe

5a. To start this procedure first close ball valve, this will automatically depressurise the stand pipe through the vent stack, do not remove it until the pressure has decayed.

5b. Disconnect and remove the upper vent pipe by lifting the locking arms on the cam-lock connector and disengaging the vent pipe.

5c. Repeat step 5b. for the lower vent pipe.

5d. On the swivel head, first slide the bracing arms back into their inward position and then lower the arms into the closed position by depressing the sprung plunger. Remove the swivel head by carefully unscrewing the unit from the ball valve.

CAUTION – Ensure the ball valve unit does not rotate on the 32mm fitting as this will allow an escape of gas.

Removal of the equipment – 32mm tool.

6a. Refit and tighten the 32mm drill spindle assembly complete with the PE cutter and coupon to the ball valve.

6b. Open the ball valve and lower the drill spindle to engage the cutter into the fitting body. Screw the cutter into the body and ensure that it has entered fully into the fitting.

6c. Vent the tool by slightly loosening the drill spindle housing and check that the cutter has stopped the flow of gas.

NOTE - A small amount of gas may still be passing via the threads.

6d. Disengage the drill spindle hexagon from the cutter and raise the spindle fully to the stop. Remove the tool completely by unscrewing from the fitting and refit the completion cap to the tee.

Check cap for soundness.

The operation is now complete and all equipment can be inspected and returned to its tool box.