



Specialist fittings and equipment for the gas industry

UNDER PRESSURE INSTALLATION

Wask Gas Service Fittings & Completion Plugs

Fitting installation.

Completion Plug installation

- 1.0 Select the correct size plug complete with washer, seal and locknut. Select the correct adaptor and screw onto the solid fitting spindle. Thread the Plug square end first into the adaptor and tighten grub screw to engage the square of the plug. Ensure the fitting is held securely.
- 1.1 Fit the spindle fully into the Fitting Head so that the plug is in the bell of the Head. Adjust the nut on the Head seal to ensure it is a close fit. **DO NOT OVER TIGHTEN:** the spindle must slide smoothly and easily.
- 1.2 Using the large spanner, fit the Head into the bayonet of the base unit turning clockwise whilst depressing the plunger. Ensure the bayonet is fully engaged, indicated by the Plunger rising.
- 1.3 Open the valve plate by turning the Pivot Stud to the "open" position.
- 1.4 Lower the Fitting Spindle until the plug touches the pipe and engages the tapped hole. It may be necessary to loosen the Head seal to enable the plug to be aligned with the hole. Continue to screw the plug down until resistance is felt. Once the plug is engaged (and the spindle cannot be pulled upwards), there should be **A MINIMUM OF FOUR FULL THREADS** to ensure sufficient engagement of the thread.
- 1.5 Do not attempt to to tighten the plug at this stage. Although a perfect seal will not be obtained, the leakage of gas is minimal.
- 1.6 Remove the Fitting Head from the Base Unit whilst leaving the Spindle in position on the Plug.
- 1.7 Remove the Base Unit and chains from the pipe, again leaving the Plug and Spindle on the pipe.
- 1.8 If the swarf magnet has not been used, it will be necessary to unscrew the Plug **SLIGHTLY** from the pipe to clean swarf from under the rubber seal.
- 1.9 Undo the grub screw and break the joint between fitting spindle assembly and Plug body using the ratchet spanner and a suitable pair of Grips. Align the curved lower surface



of the plug Washer with the crown of the pipe then tighten the Nut on the plug seal to between 30 and 40 Nm.

Service Nipple installation

- 2.0 Select the correct adaptor and screw onto the solid fitting spindle. Screw the Service nipple into the adaptor, stopper end first until a resistance is felt. Tighten the grub screw to ensure that the Nipple is held securely.
- 2.1 Follow steps 1.2 – 1.9 from completion plug installation to complete procedure.

2 Part Tee installation

- 3.0 Remove the taper plug from the top of the Tee body. Screw the Top Tee onto the newly installed Service Nipple. Using suitable Grips to hold the Nipple stationary tighten the Tee until a gas tight seal on the taper thread is achieved. Note: It may be necessary to use a jointing compound which must be approved by your employer.
- 3.1 To align the Tee outlet with the service run, loosen the lock nut on the Nipple and carefully rotate the Assembly. Re-tighten ensuring that the curved base of the seal washer is aligned with the crown of the pipe.
- 3.2 Make the outlet connection as described on the Flex-Grip leaflet item no. JR0030 and pressure test the service as per your employers instructions.
- 3.3 To raise the Stopper select the correct Lifter tool provided. With the nut located adjacent to the handle insert the spindle and locate the square end into the square recess in the plastic stopper.
- 3.4 Rotate the thumb nut clockwise to attach securely the Spindle to the Stopper. Slide down and engage the Nut into the Tee.
- 3.5 Turn the winged handle to unscrew the Stopper from its seat and raise to the roof of the Tee. Rotate Handle to engage the 1" thread until a resistance is felt ensuring the stopper is held securely.
- 3.6 Unscrew the thumb nut to release the Lifter tool. Replace the taper square plug and tighten to give a gas tight seal.



1.6 Canopy removed



1.7 Base & chains removed



3.4 Stopper down



3.3 Lifter Tool



3.5 Stopper raised

Top Service Tee installation

- 4.0 Remove the taper plug from the tee. Also remove loose parts such as the crimp ring, plastic washer and anti-shear rubber from the branch outlet. Ensure that the nut, washer and rubber seal on the male thread are at the top to allow as much thread as possible to be screwed into the pipe.
- 4.1 Select the Solid fitting spindle and screw the Tee directly into it.
- 4.2 Follow steps 1.2 – 1.9 from completion plug installation.
- 4.3 Make the service connection at the branch outlet, making reference to the Crimp instruction leaflet.
- 4.4 On completion of the service connection, perform a pressure test as per your employer's instructions.
- 4.5 To raise the stopper select the Universal Stopper Key. Ensure the key is set correctly in that the flanged square is adjacent to the 3/4" male thread. If not slide out the spindle and turn it around.
- 4.6 Screw the Universal stopper key into branch and locate the square end into the square recess in the stopper.
- 4.7 Using a suitable ratchet, 13mm A/F spanner turn the spindle counter clockwise until a resistance is felt. The stopper is fully raised.
- 4.8 Whilst holding the spindle stationary unscrew stopper key to disengage the stopper. **IMPORTANT!** If the spindle is rotated the stopper will unscrew completely from the Tee causing gas to escape. Replace the square headed plug and tighten to achieve a gas tight seal.
- 4.9 Replacing the stopper is the reverse procedure.



Crimp Top Service Tee



4.2 Fitting spindle and Tee assembly



4.5 Universal Stopper Key

Side Service Tee installation

- 5.0 Remove the square headed closure plug from the branch. Also remove the anti shear rubber, plastic washer and crimp ring from the outlet. Ensure that the nut, washer and rubber seal on the male thread are at the top to allow as much thread as possible to be screwed into the pipe.
- 5.1 Select the correct fitting spindle and engage the Tee vertically into it. This will help sit the fitting squarely. Tighten the set screw and ensure the Tee is held securely.
- 5.2 Follow steps 1.2 – 1.9 from completion plug installation.
- 5.3 Make the service connection at the branch outlet, making reference to the Crimp instruction leaflet enclosed in the packaging.
- 5.4 On completion of the service connection, perform a pressure test as per your employer's instructions.
- 5.5 To raise the stopper select the Universal Stopper Key. Ensure the key is set correctly in that the flanged square is adjacent to the 3/4" male thread. If not, slide out the spindle and turn it around. Screw on the adaptor bush, (BE0035).
- 5.6 Screw the Universal stopper key into branch and locate the square end into the square recess in the stopper.
- 5.7 Using a suitable ratchet, 13mm A/F spanner turn the spindle counter clockwise until a resistance is felt. The stopper is fully raised. Pull the spindle upwards to disengage from the stopper.
- 5.8 Unscrew stopper key from the fitting and replace the square headed closure plug and tighten to achieve a gas tight seal.
- 5.9 Replacing the stopper is the reverse procedure.

5.7 Turn spindle counter-clockwise to open valve

Crimp Side Service Tee



5.1 Spindle/Tee assembly



5.5 Universal Stopper Key





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