

A new, safe method for cutting a live service, prior to dead insertion, in no-gas conditions

This new technique developed by Steve Vick International allows an operative to isolate a metallic low pressure service under 'no gas' conditions to enable the service to be safely cut and subsequently dead inserted with a new PE pipe.

Currently, the technique is available for low pressure services (up to 75 mbar) with diameters from 1/4" to 1 1/4", but it is envisaged that larger diameters will subsequently be added.

BACKGROUND

This technique is designed as a safe alternative to the common practice of isolating a live service by first wrapping it in grease-based tape and cutting through the tape and the service to minimize blow.

By using a clamp with a gland and an inert sealant injected through a 5mm drilled hole, the Rapid Service Isolator provides a method of cutting the pipe in 'no gas' conditions, considerably reducing any risk to operatives from build up of gas in the trench.

**Kit is compact and lightweight.
Entire procedure takes less than 3 minutes**

KIT DESCRIPTION

Everything required to carry out Live Service Termination is included in the kit which is supplied in a fabric carrier.

*The sealant is purchased separately and comes in sealed cartridges marked with quantities required for each service diameter.



Applicator Gun



Air Drill



Barrel Nipple



Specially modified jaw locking pliers



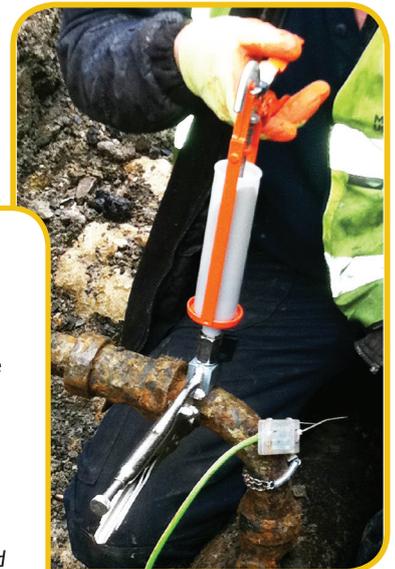
Sealant*



Drill Bit Gland



Drill Bit - Short fluted 150mm



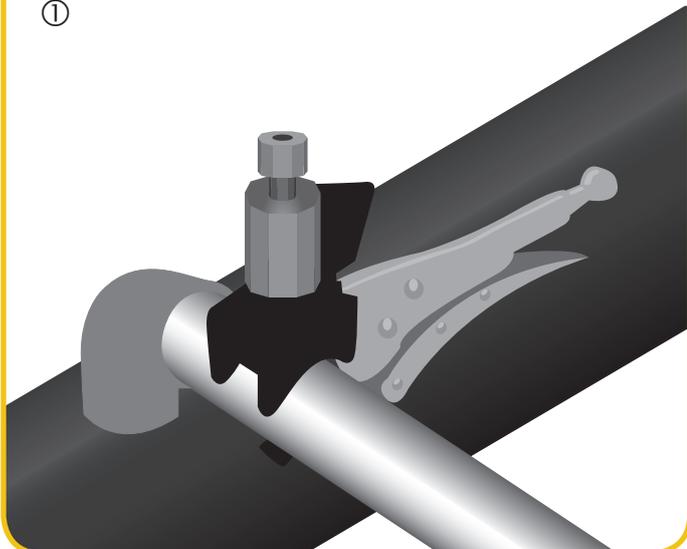
FEATURES AND BENEFITS

- A safe method of cutting through live services in no gas conditions prior to dead insertion
- Service can be isolated close to main to minimize excavation
- Takes only a minute to drill the service (5mm hole)
- Modified jaw locking pliers fit all sizes in the range (1/4" to 1 1/4")
- No waiting time once sealant is injected - service can be cut immediately
- Sealant is inert - no health/ handling hazards
- If sealant accidentally enters the main it crumbles presenting no interference
- Part used cartridges can be re-used
- Easy-to-use applicator gun for injecting sealant
- Kit is compact and lightweight
- Entire procedure takes less than three minutes
- Can be used on bends, sockets and Top-tees

STEP BY STEP PROCEDURE

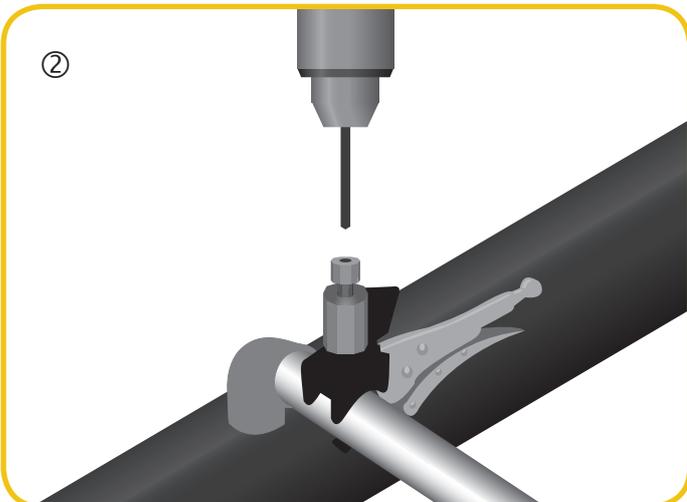
Please note: All of the following steps to be carried out following approved procedures

①



Attach the modified jaw locking pliers with built-in gland and rubber seal to the service at the point of isolation (this can be on a vertical or horizontal section) close to the main.

②



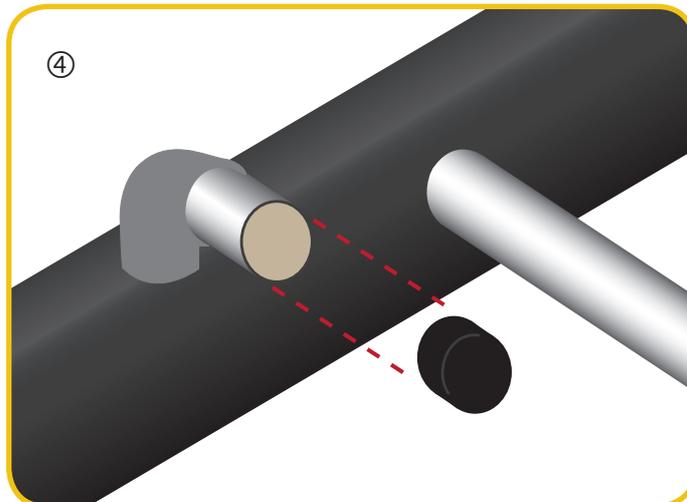
Using the air drill and a 5mm bit, drill through the gland and into the service. This takes seconds. Once drilling is complete, withdraw the drill to the point you can close the valve. Remove the gland and attach the barrel nipple.

③



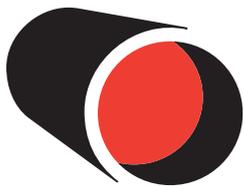
Screw the sealant cartridge onto the barrel nipple then slide the applicator gun over the cartridge. Open the valve and inject the correct quantity of sealant. This is marked on the cartridge, e.g. half a cartridge for 1". The cartridge may be resealed for later use.

④



Test for a gas-tight seal, then cut through the service. Place a temporary cap over the cut end of the service and remove stub following approved procedures. Fit either a plug or new top tee to main.

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