

# V33 Transition Adaptor

*The new, cost-effective solution for connecting CIPP lined gas mains to new pipes*



## V33 Transition Adaptor

The V33 Transition Adaptor has been developed by PMP Gas in partnership with National Grid to provide a more cost-effective method of connecting CIPP hose lined iron gas mains pipes to PE pipes and other types of pipe.

V33 is manufactured in the UK by PMP Gas. Installations in the UK are carried out by PMP Gas and by selected PMP Gas trained installers. PMP Gas has licensing opportunities available for suitable installers in selected countries around the world.

When three ductile iron connections on a 250mm diameter gas main had to be replaced, using PMP Gas's V33 Transition Adaptor meant that sliplining the CIPP hose lined pipe could be avoided.

V33's unique design gives plenty of tolerance to allow for any misalignment in the host pipes and still achieves a perfect seal. V33 is the only fitting that we know of which has been designed for purpose. It's easy to use, simple to fit and PMP Gas's installation engineers are very safety conscious and know exactly what they are doing.

Mark Taylor, United Utilities Gas

# V33 Transition Adaptor - How it works



1 Internal view showing receiver for host pipe



2 V33 is positioned over the host pipe



3 NBR Rubber seal in place



4 NBR rubber AMEX-10 Seal



5 Close-up showing resin inlet port



6 Complete V33 Transition Adaptor



Fully assembled V33 Transition Adaptor connected to a host pipe

## What is V33?

The V33 Transition Adaptor is a steel and NBR rubber adaptor that securely grips existing CIPP lined gas pipes, completely sealing the annulus of the parent pipe and the liner inside it, whilst providing a new flange to enable new connections to be made to the existing host pipe.

V33 enables existing networks to be maintained or extended. V33 Transition Adaptors are manufactured to fit pipe diameters from 250mm (8") to 1200mm (48"). V33 meets UK Standards PL1 & PL2.

**V33 allows localised repair and branch connections without decommissioning sections of the gas network**



1 Isolate the pipe



2 Positioning V33 on host pipe



3 Secure the rear seal compression ring



Preparing expansion system

## V33 Benefits

- Offers a localised repair solution
- Brings assets back into use
- Allows branch connections to be made
- Existing networks can be extended
- Negates the need for decommissioning
- Removes the need for post installation revalidation of the pipeline
- Provides a more effective repair solution to those currently available
- Negates major civils work with its associated disruption and cost
- Reduces engineering costs

**V33 offers gas providers and utilities contractors many benefits when compared with traditional methods**



4 Expanding stainless steel compression rings



5 Completed V33 ready for connection to new pipe



6 New pipe connected

# V33 installation in the field

Using two V33 Transition Adaptors to replace existing connections on a CIPP hose lined section of pipe negated the need to slipline 500m of pipe with PE which would have led to an unacceptable reduction in capacity.

PMP Gas carried out the installation over three nights. They are very secure and haven't presented any problems at all. What I like about the V33 is that it provides a mechanical seal, forming a physical bridge between the host main and the CIPP liner. V33 is very effective and a really good engineering solution which is very straightforward to install.

Steve Bunker, National Grid

## Now you have a choice

Until now, maintaining sections of CIPP lined gas pipes, or adding to them, required the decommissioning of long sections of the gas network.

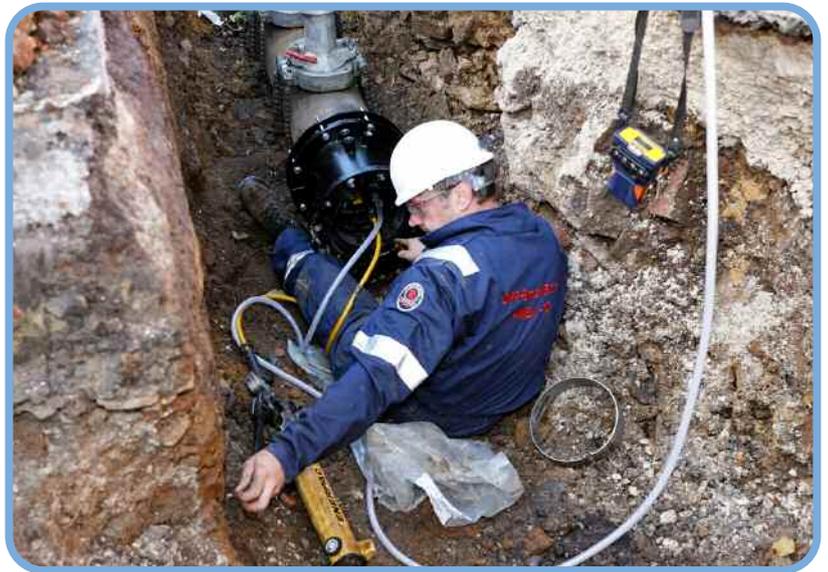
Connecting CIPP lined pipe sections to new pipes has proved to be difficult, problematic and expensive.

V33 provides a robust, simple and economical solution for maintaining CIPP lined gas pipes.

## V33's unique benefits

At a stroke the arrival of the V33 Transition Adaptor wipes out the problems associated with connections to CIPP hose lined gas pipes. Repairs, maintenance and new connections are rendered simple, secure and inexpensive by V33's ability to create a perfect seal.

*"What I liked about the V33 is that it provides a mechanical seal, forming a physical bridge between the host main and the CIPP liner."*



# V33 - World licensing opportunities



## Become a V33 licensed installer

PMP Gas has licensing opportunities for V33 Transition Adaptor distributors and installers worldwide.

There is considerable demand for a safe yet cost effective solution for the connection of CIPP lined gas mains to new pipes in Europe, Asia, North America and South America.

PMP Gas is offering exclusive distribution and installation rights in selected territories. We provide full training, technical support and advice to licensed installers and our 'exclusive territory' licences mean that installers gain maximum return on their investment with no competition from other licensees.

The V33 licensing package includes:

- Exclusive territory rights
- Full training
- Technical support

## PMPGas

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*"Because of its unique design the V33 has plenty of tolerance to allow for any misalignment in the existing pipes and still achieve a perfect seal."*

*"The V33 is the only fitting that we know of which has been designed for this purpose. It's easy to use and simple to fit."*