

Press gas system suitable for natural gas and LPG applications

[View miproducts listing](#)



## Level of assurance needed to demonstrate NZ Building Code Compliance

Supporting documentation should include technical information by manufacturer and either a BRANZ or independent Appraisal or CodeMark



KE KELIT confirms that this minimum level of assurance has been met or exceeded by the following:

CodeMark

[BCS-1710118-CMNZ](#)

## Technical Statement

### Product Description

VSH XPress Copper GAS is an extremely user-friendly solution:

- The use of VSH XPress GAS systems dispenses with the need for complicated clamping techniques, time-consuming preparations and drying times – the installation is faster and cleaner
- No need to thread the pipe
- No lubrication needed for installation
- Easy insertion of the pipe in the fitting due to the special design of the fittings
- Short radius bends ensure compact and space-saving installation.

The above features ensure that no special welding skills are required for an installation and that the work can be carried out in a pleasant and safe environment.

Installations are a minimum of 3x faster than traditional systems, as no threading or welding is required.

### Operating Conditions

-20°C to +70°C / 5 bar

### Component Sizes

Available copper piping diameters are 15, 18, 22, 28, 35, 42 and 54mm

### Materials

The copper pipes that may be used for the VSH XPress Copper GAS system in gas applications must comply with the norm EN 1057 R250/R290. KE KELIT NZ supply COPPERFIX EN 1057 R250/R290 copper pipe in the 15-54 mm size range which is suitable for use with VSH XPress Copper GAS fittings. EN 1057 is the norm for seamless copper and copper alloyed pipes for potable water, gas and heating installations.

### Scope of use

Suitable for Natural Gas and LPG applications.

- Copper pipes must be protected from the impact of outer corrosion, such as sulphites, nitrites and ammonia. Insulating materials must be nitrate free (i.e. contain no more than 0.02% nitrate).
- Copper tube is not for installation below ground, unless installed in protective ducting.
- Fittings can only be used with copper pipes conforming to R250/290 of EN 1057:2006.
- Copper pipes should not be stored outside.

### New Zealand Building Code (NZBC)

The product will, if employed in accordance with the supplier's installation and maintenance requirements, assist with meeting the following provisions of the building code:

- **Clause B1 Structure:** Performance B1.3.2
- **Clause B2 Durability:** Performance B2.3.1(a)
- **Clause F2 Hazardous building materials:** Performance F2.3.1
- **Clause G10 Piped services:** Performance G10.3.1, G10.3.2, G10.3.3, G10.3.5, G10.3.6
- **Clause G11 Gas as an energy source:** Performance G11.3.1, G11.3.5

### Supporting Evidence

The product has and can make available the following additional evidence to support the above statements:



CodeMark

[BCS-1710118-CMNZ](#)



### Company Contact Details



Company: KE KELIT

Physical Address: 12 Gregory Street  
Naenae  
LOWER HUTT

Postal Address: 12 Gregory Street  
Naenae  
LOWER HUTT

Email: [info@kekelit.co.nz](mailto:info@kekelit.co.nz)

Website: <http://www.kekelit.co.nz/>

## Product Criteria

### Design requirements

All designs and construction shall be within the requirements and the tables set out in the VSH XPress GAS Australasian Technical Specification Rev1 and in Limitation D - available from the manufacturer's web site [www.kekelit.co.nz](http://www.kekelit.co.nz), including design velocities in accordance with the corresponding European standards referenced, and all other uses are outside the scope of this certificate

### Installation requirements

Installation shall be performed by KE KELIT trained and approved installers, who shall be Registered Certifying Gasfitter or a Registered Licensed Gasfitter under the supervision of a Certifying Gasfitter.

Installation and maintenance - where applicable - of the VSH XPress GAS Fittings, shall be in accordance with the VSH XPress GAS Fittings Australasian Technical Specification and the VSH XPress GAS distributed by KE KELIT Technical Manual Revision 1.3

Installers are required to hold a KE KELIT Installation training card.

KE KELIT approved tools must only be used as outlined in the VSH XPress GAS Systems Training Handbook and the VSH XPress GAS distributed by KE KELIT NZ Technical Manual Revision 1.3.

## Company Product Information

### Quality Assurance



ISO 9001 (Quality Management)



Date last validated: **11 February 2019**



Date last updated: **11 February 2019**

Disclaimer: The Product Technical Statement (PTS) template is copyright to Construction Information Limited. However the content of this PTS is the responsibility of the product manufacturer/supplier. Refer to the miproducts Terms and Conditions