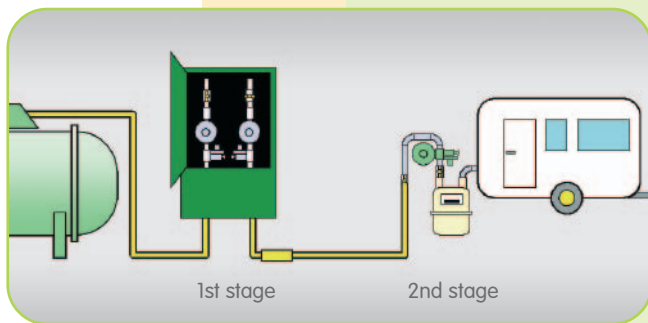


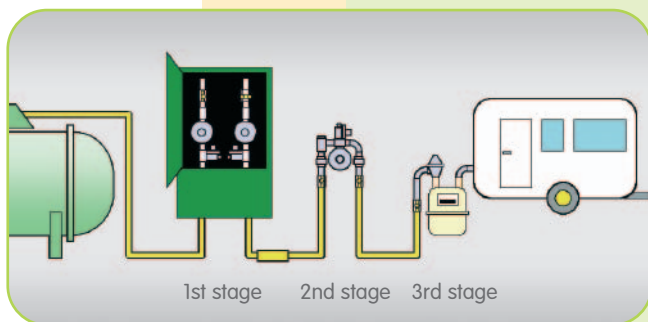
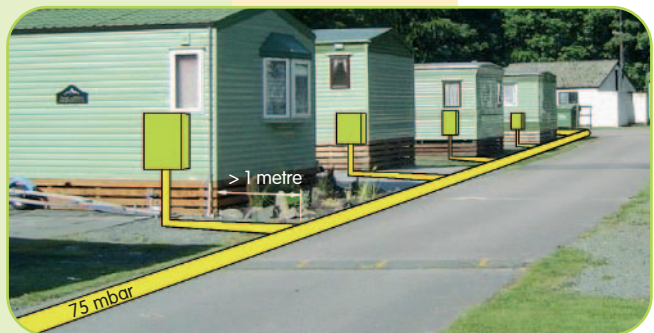
# J42 meter regulator: Three stage LPG supply innovation

Traditionally in the UK a piped LPG system has had two stage pressure reduction. A first stage unit mounted near the storage tank taking the pressure down to 0.75 bar, and a second stage regulator reducing it to 37 mbar.



An LPG system can now be installed in several types of building that previously were unsuitable. Apartment buildings and those of historical significance can now be supplied as the pipework, running at the lower pressure, does not have to be on the outside.

This method has several drawbacks. The conventional second stage system is relatively expensive. The pipework between first and second regulators being pressurised to 0.75 bar cannot be brought within 3 metres of buildings. But a second stage regulator can be fitted that has enough capacity to supply several end users. So one second stage regulator can be used to feed several third stage regulators, the versatile Elster Jeavons J42U meter service regulator, fitted with under pressure cut off.



Recently this type of installation has been introduced to many sites. Because the pipelines between second and third stage regulators are only pressurised to 75 mbar, they can be run nearer to buildings or caravans, reducing the materials used.

Sometimes installation costs can be reduced by installing pipework between buildings when previously it had to be led around them because of proximity regulations.

So by using the J42 meter service regulator as a third stage reduction, an LPG system can be cheaper to install, uses less materials, and can be put into areas and situations where previously it would have been impossible or inappropriate.