

The PTXV07(x) products can be used to replace the following obsolete product:

### PTXV18

The PTXV07(x) products provide full functionality of the former product but for a reduced pressure range.

### Mechanical

The PTXV07(x) products have 1/4" flare pipe connection, Some have male and some female.

Type	Connection
PTXV07	Female
PTXV07A	Female
PTXV07B	Male
PTXV07C	Female
PTXV07D	Female
PTXV07E*	Female

\* Current manufacture

Polyamide capillary with appropriate 1/4" flare connectors is required. This enables the pressure transducer to be positioned outside the cooled envelope.

### Electrical

Minor rewiring is necessary when replacing the PTXV18 with the PTXV07(x). The connector arrangements have been changed.

### Pressure Transducer Function

The PTXV18 was supplied with the original versions of the LCIC and LCIS controllers when controlling pulsed expansion valves using the JTL SUCCEEDS algorithm.

The 18 bar pressure transducer has been replaced with a 7 bar transducer. The controllers have to be able to work with both types of pressure transducer. To achieve this the controllers have a modified circuit on the pressure transducer input. Old style controllers (mk1) can only work with the 18 bar transducer. Mk2 boards can work with both. Item number 175 on the maintenance unit will select the appropriate conversion routine.

Mk1 boards with 18 bar	Select 18 - 2 on the MU	(PTXV18 pcb-mk1 on SiteEngineer remote software)
Mk2 boards with 18 bar	Select 18 - 1 on the MU	(PTXV18 pcb-mk2 on SiteEngineer remote software)
Mk2 boards with 7 bar	Select 7 - 1 on the MU	(PTXV07 pcb-mk2 on SiteEngineer remote software)

Note: The confusing use of 1s and 2s on the MU !!

Please note carefully the fact that the 7 bar transducers **will not work** with the mk1 boards so they cannot be supplied as replacements to sites with 18 bar transducers where mk1 boards are fitted without replacing the controller.

The effect of wrong choice is to make the transducer read incorrectly. E.g. if 18 bar and mk1 is selected on a mk2 board it will read very low. If 18 bar mk2 is selected when a 7 bar is being used it will read more or less correctly at 0 psi but read very high at high pressures. It gets even more confusing if 18 bar mk1 is selected when 7 bar is being used !

Mk2 boards can be identified by the production date or serial number on the board. Boards manufactured or serviced after 07/96 or with serial numbers from 054352 are suitable for use with the PTXV07(x). If in doubt about the suitability of the board and/or the transducer, contact the JTL Sales department for advice.

Note: The LCIC & LCIS products are only available as spare parts. For new designs controlling pulsed expansion valves consult the JTL Sales department. All new controllers only support the 7 bar transducer.