

ABSTRACT**DUAL GLAND AIR INVERSION AND STEAM CURE OF CURED IN PLACE LINERS**

Installation of a flexible cured in place liner by inverting the liner with air and curing the liner with steam introduced through a perforated lay flat hose without deflating the liner between the inversion and cure. The installation is performed with an apparatus having two independently operable glands with at least one fluid inlet port installed on the line downstream of the second gland liner. As the liner reaches the distal end of the conduit to be lined, it enters a sample and porting pipe with an exhaust pipe gland and exhaust pipe and it is pierced by a rigid porting tool. Steam is then introduced into the lay flat hose to cure the resin and is exhausted through an exhaust hose connected to a controllable exhaust pipe. After curing steam is replaced with air to cool the liner, the ends are cut to restore service through the host pipe.

[Figure 1]