

## PRESSURE-TESTABLE JOINT CLOSURE

ELECTRO-FUSION PRESSURE TESTABLE JOINT CLOSURES  
FOR HDPE JACKETED PRE-INSULATED PIPING SYSTEMS.



### PRESSURE-TESTABLE JOINT CLOSURE

THERMACOR'S PTJC or pressure-testable joint closure is a rugged, testable, and the highest quality joint closure method for HDPE jacketed pre-insulated piping systems. Thermacor's PTJC utilizes electro-fusion technology and HDPE material to create a joint closure and jacketing system that is seamless and can be tested and proven water-tight.

Thermacor's PTJC is an easy-to-install split HDPE sleeve that is sold complete with factory training to certify the installers along with the required tools for proper installation.

### Electro-Fusion Wire

Thermacor's Electro-Fusion Wire is an HDPE rod with embedded stainless steel wires that melt and fuse the surrounding HDPE sleeve and jacket together using an electrical current from a Thermacor provided fusion welder.



Electro-Fusion Wire on  
Inside of PTJC



Cross Section of Fusion  
Weld and Embedded Wires



PTJC with Straps and  
Fusion Welder

### HDPE

High Density Polyethylene is a ductile, durable, virtually inert thermoplastic that is freeze resistant, impact resistant, abrasion resistant, fatigue resistant, corrosion resistant, chemical resistant, scratch tolerant, and best of all, economical. HDPE has proven to be the most reliable and structurally strong material available today for jacketing pre-insulated pipe. HDPE is the only jacket material that can be heat fused to create a seamless outer jacket.

### Pressure Test

The pressure test is the integral step in the installation of THERMACOR'S PTJC and assures that the joint closures are properly sealed against water penetration. Each joint is tested to hold 5 pounds of air pressure for 5 minutes, thereby assuring that a proper seal has been made.