

INTEGRITY PRODUCTS

# Cryogenic Plug



Always wear appropriate PPE (personal protective equipment) which conforms to applicable work safe standards.



## TOOLS REQUIRED



**TIN  
SNIPS**

Use tin snips to cut 3" hole in jacketing.



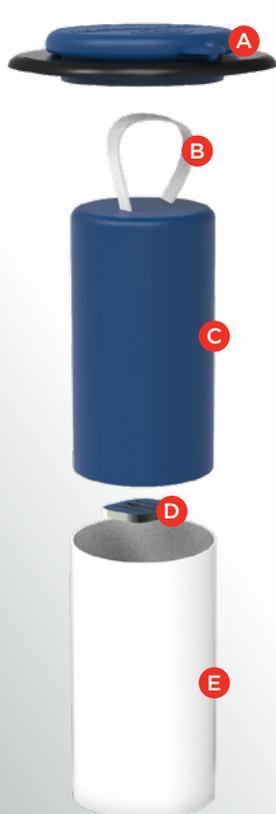
**KEY-HOLE  
SAW**

Use key-hole saw to core-out insulation.

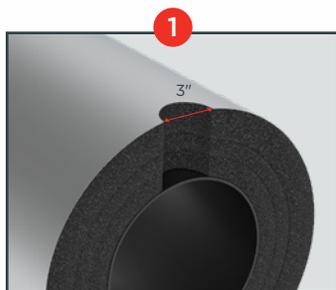


**MASTIC CRYO-BOND  
VAPOR STOP SEALANT**

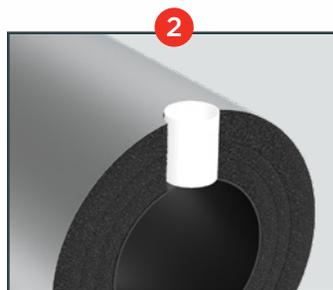
Apply a mastic cryo-bond sealant to the exterior surface of the PTFE sleeve and the underside of the aluminum ring.



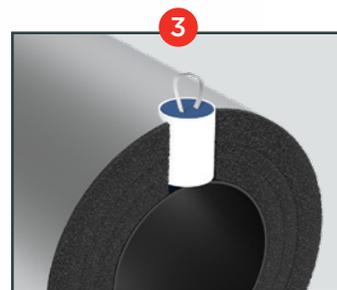
- A** PLUG
- B** PTFE PULL STRAP
- C** CLOSED CELL FOAM
- D** PTFE STRAP CLIP
- E** PTFE SLEEVE



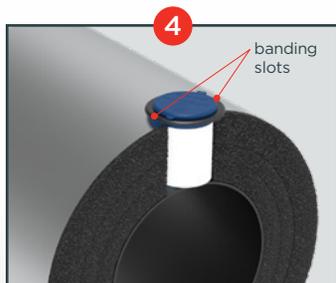
**STEP 1**  
Mark a 3" circle on the jacketing and cut the jacketing using tin snip and core-out insulation using key-hole saw. See the cross-section of the cavity created by coring.



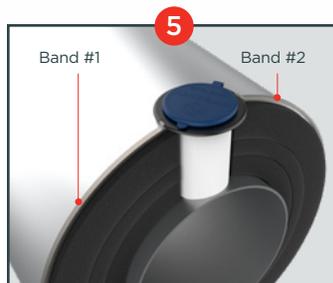
**STEP 2**  
Apply a mastic cryo-bond vapor stop sealant on the outer circumference of the PTFE sleeve followed by insertion of PTFE sleeve in the cavity.



**STEP 3**  
Insert the closed-cell foam containing the PTFE pull strap inside the PTFE sleeve.



**STEP 4**  
Insert the plug and aluminum ring over the protruded portion of PTFE sleeve. During installation of plug, ensure that banding slots of aluminum ring are facing in the circumference (radial) direction of the pipe.



**STEP 5**  
Loop each SS band through the underside of each banding slot located on both sides of the aluminum ring. Secure into place with banding clips.

*Two stainless steel (SS) bands are required to secure the plug and aluminum ring in place.*

Join the ends of both SS bands on the adjacent side and tightly secure into place with an additional banding clip.