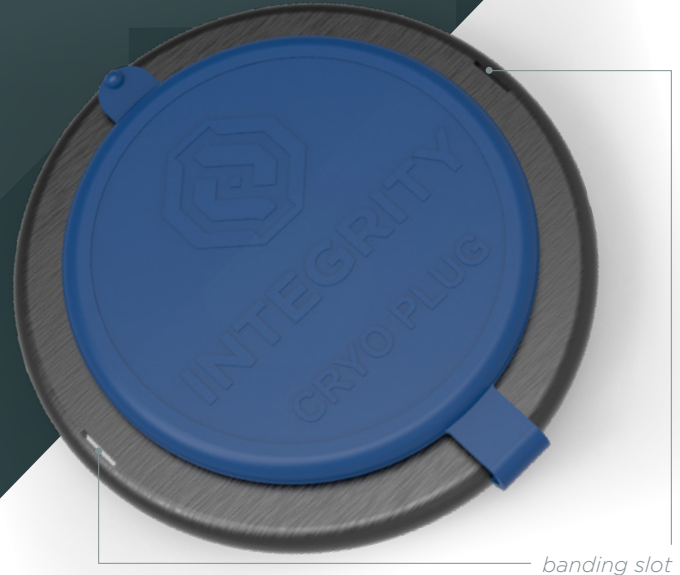




Cryogenic PLUG

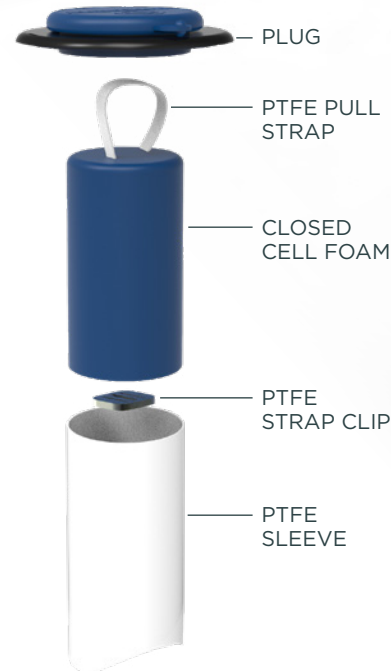


PRODUCT DESCRIPTION

Integrity Products Cryogenics Plugs are specially designed for cold service applications, these ports are manufactured as a simple 3-part assembly for cold service insulated piping systems. The 1st component on the Cryogenics Plug consists of the Plug itself with the addition of an aluminum ring with inserts for banding applications; 2nd an insulation insert made from a closed cell foam material with and PTFE strap that is mechanically mounted into place; 3rd a PTFE sleeve that can be cut to insulation thickness, this also protects against air infiltration under the insulation and serves as a barrier for the foam pillow creating a suction type fit, a thermal brake designed at the base of the sleeve to curve around the outer diameter of the pipe.

PRODUCT APPLICATION

Integrity Products Cryogenic Inspection Ports are uniquely designed for cryogenic applications to allow access for non-destructive testing on insulated pipe, vessel, tanks, and equipment. The design and materials selected are uniquely formulated for fluctuating and sub-zero temperatures. Together all of these components create a vapor/moisture barrier and reduces the risk of frost/ice build-up forming on the insulated system.



MATERIAL SPECIFICATIONS

PLUG

MATERIAL(S)

cover, cap, edge trim:
60 Durometer Silicone
edge trim (inside):
18 Gauge Black
Mild Steel

TENSILE STRENGTH

1319 PSI

ELONGATION

234%

PTFE PULL STRAP

TENSILE STRENGTH

23 MPa

DENSITY

2.16 g/cm³

ELONGATION

220%

CLOSED CELL FOAM

MATERIAL

23 MPa

DENSITY

2.16 g/cm³

PTFE SLEEVE

TENSILE STRENGTH

23 MPa

DENSITY

2.18 g/cm³

ELONGATION

280%

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