

Vacuum Insulated Field Can Joint

Vacuum Insulated Field Can Joints are used in place of bayonet connections when the pressure ratings of the piping system exceed that of standard bayonet connections as well as in larger bore piping systems when bayonets are not cost effective or available. CryoWorks can also accommodate vacuum insulated field can joints at tees, elbows, and valves. Installation can be completed by any certified welder trained in cryogenic and vacuum installations.

A Vacuum Insulated Field Can Joint is a welded assembly that utilizes a jacket field can to create an overlapping vacuum jacket along the connection of two factory-sealed vacuum insulated piping sections. Vacuum insulated field can joints provide a low heat-leak transition between the outer jacket and the inner pipe. Once the inner process pipe is welded and inspected, the exposed inner line is wrapped with super-insulation, gettering is installed, and the field can slides into place. The field can is then welded on the ends and pumped down to a high-vacuum level to ensure minimal heat leak.

Features:

- Efficient low heat connection.
- Allows for field adjustments.
- Pressure rating equal to line pressure.
- Long lasting durable design, available in either 304 or 316 stainless steel construction.
- Engineered for an easy removal through the cutting of a specially designed closure ring.

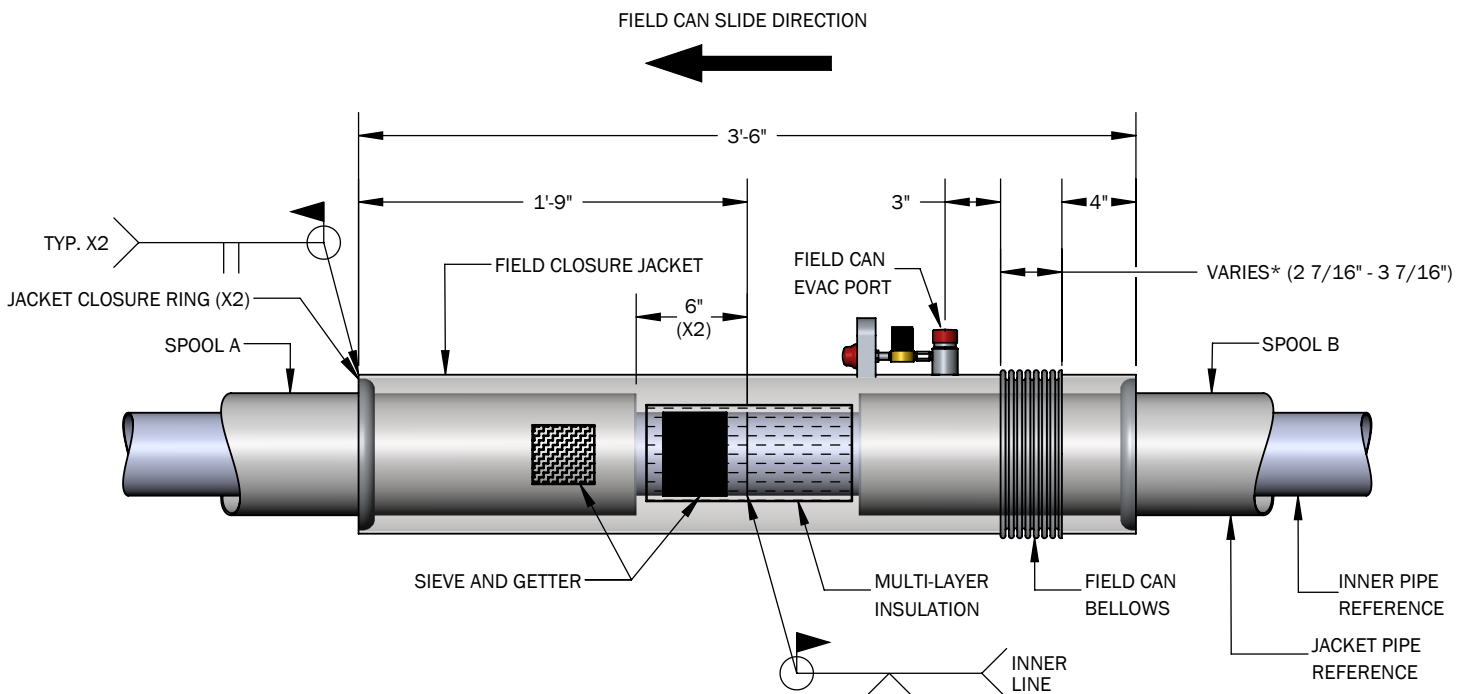
Benefits:

- Cost effective.
- Can be connected to tees, elbows, and valves.
- Less icing/condensation compared to mechanical insulation.
- Easy to fit up and field weld.
- Corrosion resistant.

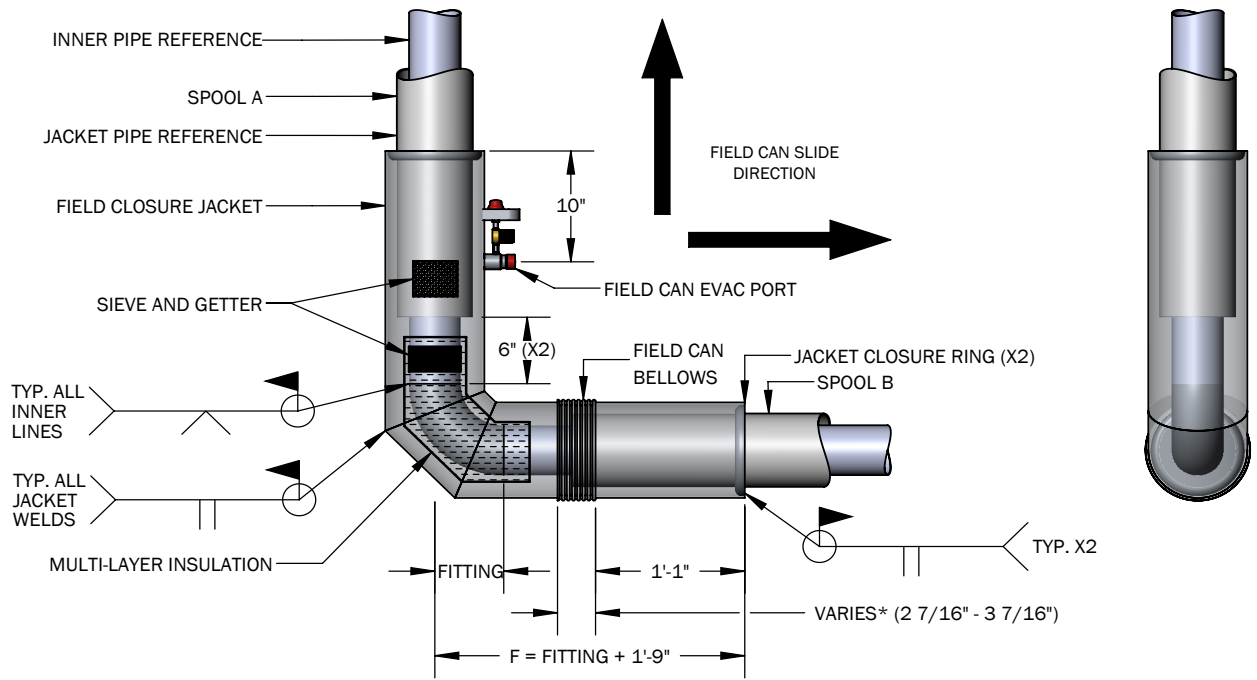
Technical Data:

VIP Line Size Inner x Jacket NPS (DN)	Field Can Jacket Size NPS (DN)
½" (15) x 2" (50)	4" (100)
1" (25) x 3" (80)	5" (125)
1 ½" (40) x 3 ½" (90)	5" (125)
2" (50) x 4" (100)	6" (150)
3" (80) x 5" (125)	8" (200)
4" (100) x 6" (150)	8" (200)
6" (150) x 8" (200)	10" (250)
8" (200) x 10" (250)	12" (300)
10" (250) x 12" (300)	16" (400)
12" (300) x 16" (450)	18" (450)

Straight Field Can Assembly:



Elbow Field Can Assembly:



Tee Field Can Assembly:

