



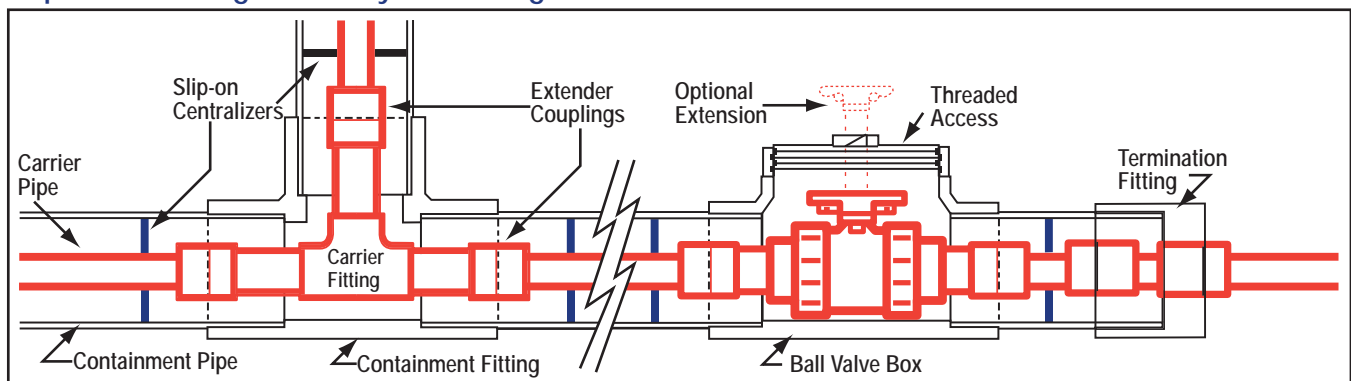
# PVC & CPVC DOUBLE CONTAINMENT SYSTEMS

DC-2-0417

## Double Containment Made Simple! Simplified Design, Easier Installation, Lower Overall Cost

Spears® Double Containment (DC) Fittings are constructed from standard fittings that are to be assembled on the jobsite. Spears® DC fittings work with standard pipe for both Carrier and Containment lines. Standard DC fitting configurations include Tees, Access Tees, Elbows, Couplings, Isolation Couplers, Termination & Closure Fittings, and Pipe Centralizers. Plus supplemental equipment such as Clamp-on Saddles for Sensors, Expansion Joints, and In-line Valve Boxes assembled with Spears® quality Industrial Ball Valve, Ball Check or Diaphragm Valves. See Catalog publication DC-1, Double Containment, for pricing and installation information.

### • Spears® Floating Carrier System Design



Carrier fittings are equipped with special extender couplings for connection to carrier pipe. Simple, slip-on centralizer brackets used on the carrier pipe support this assembly inside the containment pipe. This design allows the carrier fitting to "float" within the containment fitting, allowing ease of movement for installation while reducing problems associated with thermal expansion and contraction during operation.

### • Full Size Range for Virtually Any Application

Carrier x Containment Sizes 1/2x2, 3/4x3, 1x3, 1-1/2x4, 2x4, 3x6, 4x8, 6x10, 8x12, plus additional sizes on request.

### • PVC & CPVC Carrier/Containment Combination Configured to Order

Select any combination of carrier and containment pipe/fittings from PVC Sch 40, PVC Clear Sch 40, PVC Sch 80, CPVC Sch 80.

### • Full Service Pressure Rating

Spears® Double Containment carrier pipe and fittings are suitable for full Sch 40 or Sch 80 pressure applications, except where limited by addition of valves, saddles and other system components with lower pressure ratings.



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SPEARS® INNOVATION &  
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Assessed to ISO 9001: 2008  
Certificate number 293

# Spears® Double Containment . . . Designed for Simplicity!

- **Easy, Slip-on Centralizer Brackets**

Simple, slip-on design centralizes carrier pipe and fittings in containment pipe. Allows free movement of components and provides necessary space for routing of leak detection cables.

- **Solvent Cement Closure Fittings**

Solvent Cement Closure Fittings consist of a male component and a female component. An internal O-ring on each component serves as a "cement-wiper" during installation to assure a proper joint. A "One-step" type cement, such as Spears® CPVC 24 for both PVC & CPVC, should be used to facilitate rapid assembly.

- **Union Closure Fittings**

Union Closure Fittings consist of a male component and female component with Union Nut and O-ring seal. Each component is installed on the carrier pipe incorporating a double O-ring seal on the carrier pipe with cemented retainers. Union Closure Fitting allows for easy access to carrier pipe after installation and also provides a small amount of expansion and contraction.

- **Carrier & Containment Expansion Joints**

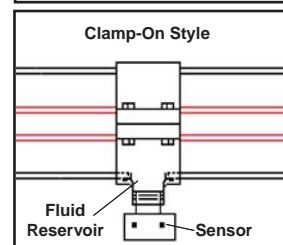
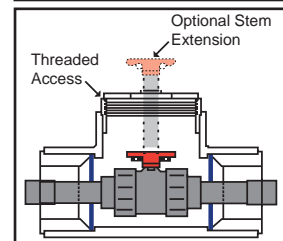
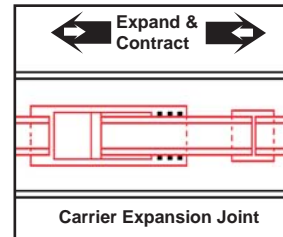
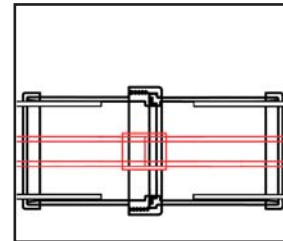
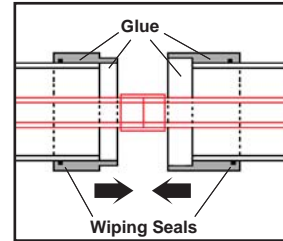
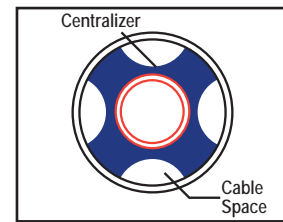
Temperature differentials can produce significant expansion and contraction changes between carrier pipe and containment pipe. These forces can severely damage system integrity. In addition to Spears® floating carrier design, Spears® in-line expansion joints can be used on either carrier or containment runs to compensate for expansion and contraction changes.

- **In-Line Valve Boxes**

Spears® unique containment enclosure of Valves provides easy access while allowing for addition of valve operation extensions or mechanical actuation. Special "Tee-style" configuration easily connects to containment system, minimizes space requirements and strengthens overall system integrity.

- **Sensor Saddles**

Easy-to-install threaded saddle tees can be easily located anywhere along containment pipe for mounting user-supplied leak detection sensors. Saddle tee forms low-point reservoir for detection of any fluid in the containment system. Select either Clamp-on style (for up to 6" pipe) or Glue-on style (for up to 8" and larger pipe).



**Note:** Assembled Carrier/Containment Pipe Available on Request

Contact Spears® for Complete Double Containment Custom Quotation

**Not for Distribution of Compressed Air or Gas**



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