



Syntiro Dynamics

ZERO PUDDLE PROCESS TUBE & PIPE HANGERS

APPLICATIONS:

- Cleanrooms and mechanical areas; not limited to: biotech, pharmaceutical, food processing, beverage, dairy, cosmetic, chemical, water treatment, and semi-conductor industries.
- Low flow & low pressure systems with moderate vibration: WFI, SIP, CIP, process, utility & instrument lines, WFI, SIP, CIP, process, utilities & instrument lines.

SIZES:

- Support Range: 1/4" - 6" Tube and 1/2" - 6" Pipe, Copper and Conduits including PVC Coated Pipe contact Syntiro.
- Tight fit Anchors and loose fit Guides are offered for thermal expansion requirements.

FEATURES:

- Reduced OD allows hanger to be encased under the insulation's jacket.
- ZERO PUDDLE Silicones inserts raised geometry facilitates drainage of liquids on vertical/riser lines creating maintenance uptime.
- There are no exposed threads or openings in hardware plates.

MATERIALS:

- 304 and 316 stainless steels
- ZERO PUDDLE inserts are FDA grade silicone rubber

SPECIFICATIONS:

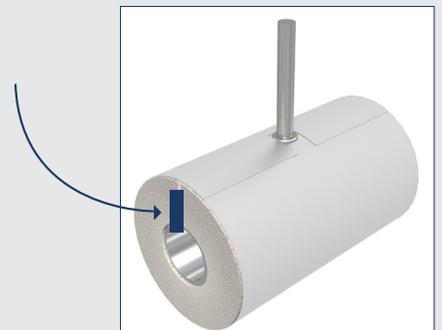
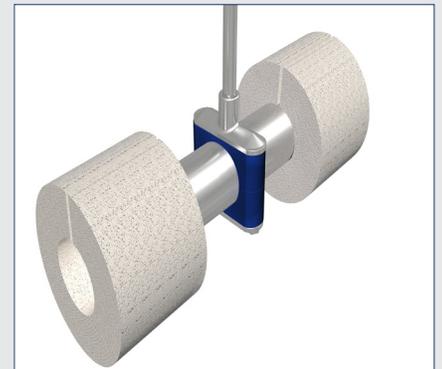
- Intermittent temperatures from -40F to 320F
- Continues temperatures from -20F to 302F - Contact Syntiro with continuous application's environmental details

BENEFITS:

- Guides provide a loose fit allow the line to freely expand and contract during thermal cycling, preventing undo stress to welds.
- Hanger's threaded section is elongated, increasing the housings elevation adjustment aiding in slope alignment.
- Insulation Envelope "IE": Reduced OD allows hanger to be buried under the insulation jacket.
- Hanger threads match MSS 69 rod OD requirement.



INSULATION ENVELOPE "IE"



CSD SERIES TUBE & PIPE HANGERS

ZERO PUDDLE SILICONE RUBBER GROMMETS



HANG MOUNT - CSDH STYLE - THREADED CONNECTION

- Zero Puddle silicone rubber grommets convex geometry eliminates puddling liquid on riser/vertical line.
- Shaped hardware reduces flat surfaces while supporting horizontal lines.
- Expanded threaded section aids during slope/elevation adjustment.
- Hangers threads match MSS 69 rod OD requirements.
- Ideal for long runs or on piping connect equipment.
- Consider Syntiro's shielded all thread rods as a time saver.

WELD MOUNT - CSDW STYLE - BOTTOM RECEIVES WELD

- Zero Puddle silicone rubber grommets convex geometry eliminates puddling liquid on riser/vertical lines.
- Weld/Bottom plates added thickness helps prevent warping during welding.
- Guides are available for all CSD Series hangers.
- Excellent hanger for welding to skids direct to from or via rod.
- Welding a rod to the weld plate? Consider the CSDW6R Style.



BASE MOUNT - CSDBM STYLE - BOTTOM RECEIVES WELD

- Zero Puddle silicone rubber grommets convex geometry eliminates puddling liquid on riser/vertical lines.
- Shaped hardware reduces flat surfaces while supporting horizontal lines.
- Three mounts are available: a flat bottom plate, a threaded coupling, or a rod welded to the bottom plate.
- Perfect for floor mounts or on a skid.

ROD MOUNT - CSDW6R STYLE - 6" IS STANDARD ROD LENGTH

- The convex geometry of the zero Puddle silicone rubber grommets effectively prevents liquid accumulation on the riser/vertical lines.
- CSDW Series with a rod welded to the weld/bottom plate.
- 6" is the standard rod length; custom lengths are available.
- There is no better hanger available for the support of vertical process tubes or piping.



SHIELDED ALL THREAD ROD

- LDPE sleeve covers the stock 6' section of all thread
- Quick cut to length in field
- Utility knife removes LDPE exposing threads