

CSD SERIES

TUBE & PIPE HANGERS WITH ZERO PUDDLE INSERTS

APPLICATIONS:

- Cleanrooms and mechanical areas, including but not limited to the biotech, pharmaceutical, food processing, beverage, dairy, cosmetic, chemical, water treatment, and semiconductor 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 for Copper and Conduits, including PVC Coated Pipe and EMT Conduit.
- Tight fit Anchors and loose fit Guides for thermal cycling are offered.

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, reducing downtime.
- There are no exposed threads or openings.

MATERIALS:

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

SPECIFICATIONS:

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

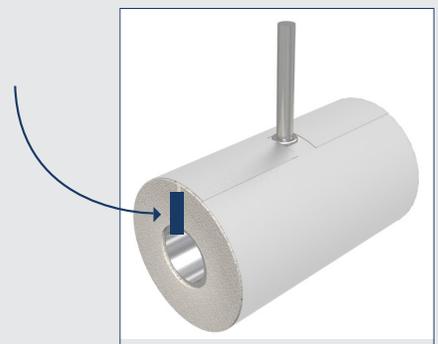
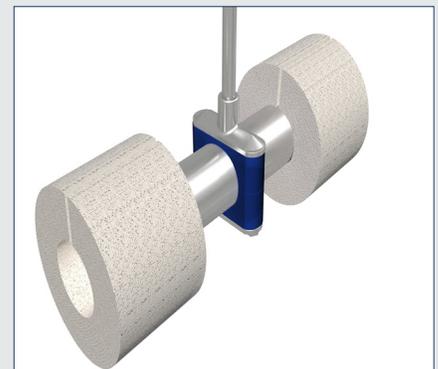
BENEFITS:

- Guides with loose fit allow the line to freely expand and contract during thermal cycling, preventing undue stress to welds.
- Hanger's threaded section is elongated, increasing the housing's elevation adjustment aiding in slope alignment.
- Insulation Envelope "IE": Reduced OD allows the hanger to be buried under the insulation jacket.
- Insulation Thickness: Line's ODs are Encased Under Insulation
 - 1.0" of insulation : 1/2" Tube (0.5") to 3" Copper (3.125")
 - 1.5" of insulation : 3" Pipe (3.5") to 4" Pipe (4.50")
 - 2.0" of insulation : 6" Tube (6.0") to 6" Pipe (6.625")
- There are no exposed threads or openings in the hardware's plates.
- All plates are cleaned and polished.
- Hanger threads match the MSS 69 rod OD requirement.

ZERO PUDDLE INSERT



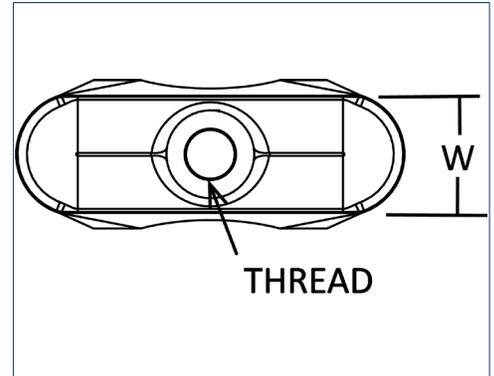
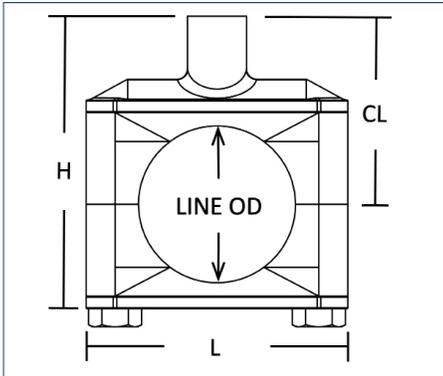
INSULATION ENVELOPE "IE"



Refer to www.syntirocorp.com or call Syntiro for most up to date information

HANG MOUNT - CSDH

FOR ATTACHMENT: Use Syntiro's Shielded Rod, a solid rod with a threaded end



for 316 hardware substitute 304 with 316

Tube Size	Line OD	H	L	PLATES W	CL	Thread	Part Number (anchor/tight fit)	Part Number (guide/loose fit)
1/4"	0.25	2.07	1.93	0.75	1.45	3/8"-16	CSDH0.25T304ZP	CSDH0.25T304ZG
3/8"	0.38	2.07	1.93	0.75	1.45	3/8"-16	CSDH0.38T304ZP	CSDH0.38T304ZG
1/2"	0.50	2.07	1.93	0.75	1.45	3/8"-16	CSDH0.50T304ZP	CSDH0.50T304ZG
3/4"	0.75	2.29	1.93	0.75	1.55	3/8"-16	CSDH0.75T304ZP	CSDH0.75T304ZG
1"	1.00	2.29	1.93	0.75	1.55	3/8"-16	CSDH1.0T304ZP	CSDH1.0T304ZG
1 1/2"	1.50	2.79	2.49	0.75	1.80	3/8"-16	CSDH1.5T304ZP	CSDH1.5T304ZG
2"	2.00	3.29	2.99	0.88	2.11	3/8"-16	CSDH2.0T304ZP	CSDH2.0T304ZG
2 1/2"	2.50	4.36	3.36	0.88	2.92	1/2"-13	CSDH2.5T304ZP	CSDH2.5T304ZG
3"	3.00	5.18	3.99	0.88	3.17	1/2"-13	CSDH3.0T304ZP	CSDH3.0T304ZG
4"	4.00	6.12	5.10	1.00	3.88	5/8"-11	CSDH4.0T304ZP	CSDH4.0T304ZG
6"	6.00	7.44	7.26	1.25	4.11	3/4"-10	CSDH6.0T304ZP	CSDH6.0T304ZG
Pipe Size	Line OD	H	L	PLATES W	CL	Thread	Part Number (anchor/tight fit)	Part Number (guide/loose fit)
1/2"	0.840	2.29	1.93	0.75	1.55	3/8"-16	CSDH0.50P304ZP	CSDH0.50P304ZG
3/4"	1.050	2.29	1.93	0.75	1.55	3/8"-16	CSDH0.75P304ZP	CSDH0.75P304ZG
1"	1.315	2.79	2.49	0.75	1.80	3/8"-16	CSDH1.0P304ZP	CSDH1.0P304ZG
1 1/4"	1.660	3.29	2.99	0.88	2.11	3/8"-16	CSDH1.25P304ZP	CSDH1.25P304ZG
1 1/2"	1.900	3.29	2.99	0.88	2.11	3/8"-16	CSDH1.5P304ZP	CSDH1.5P304ZG
2"	2.375	4.36	3.36	0.88	2.92	1/2"-13	CSDH2.0P304ZP	CSDH2.0P304ZG
2 1/2"	2.875	4.84	3.74	0.88	3.11	1/2"-13	CSDH2.5P304ZP	CSDH2.5P304ZG
3"	3.500	5.52	4.48	1.00	3.60	1/2"-13	CSDH3.0P304ZP	CSDH3.0P304ZG
4"	4.500	6.69	5.10	1.00	4.24	5/8"-11	CSDH4.0P304ZP	CSDH4.0P304ZG
6"	6.625	7.94	7.73	1.25	4.35	3/4"-10	CSDH6.0P304ZP	CSDH6.0T304ZG