



Model HT-50 Sanitary Helical Static Mixers



Model HT-50

Model HT-50 Sanitary Helical Static Mixing units are suitable for use in sanitary applications in the food, pharmaceutical, cosmetic, beverage and other industries. The units are 316L S/S throughout with polished mixing elements and a 3A sanitary housing design with Tri-Clover Ferrule flanged end connections. The mixing elements are removable for inspection and cleaning.

Specifications & Accessories

- Mixing Elements: Hand Polished to a surface finish of less than 32 RMS (16 RMS with electro-polishing), 316L S/S throughout
- Housing: 3A sanitary design with 32 RMS finish (16 RMS finish with electro-polishing), 316L S/S throughout
- End Connections: Tri-Clover Ferrule end connection flanges. Downstream Ferrule has smooth-flow machined mixing element retainer ring integral with Ferrule. 316L S/S throughout
- Accessories: Clamps, Gaskets, Jackets, Spargers, etc.

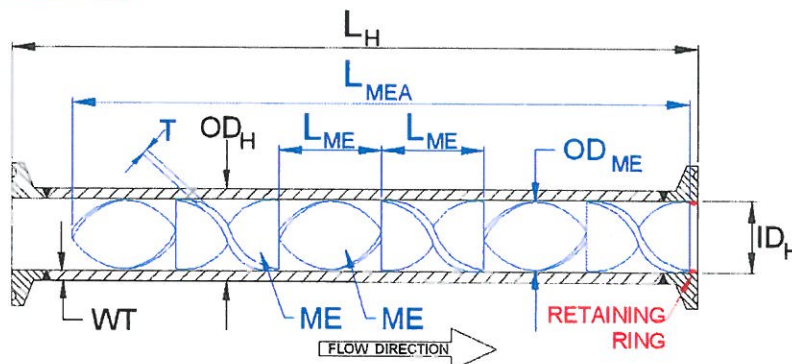


Table #1: Complete Sanitary Static Mixing Unit with Housing & Mixing Element Assembly

Model #	ME Number of Mixing Elements	L _H Housing Length	OD _H Housing Outside Diameter	ID _H Housing Inside Diameter	WT Housing Wall Thickness	Housing Working Pressure @ 100 °F
HT-50-0.50-6-C	6	5.5"				
HT-50-0.50-12-C	12	10.0"	1/2"	0.37"	0.065"	2,600 psia
HT-50-0.75-6-C	6	6.5"				
HT-50-0.75-12-C	12	12.0"	3/4"	0.62"	0.065"	1,725 psia
HT-50-1.00-6-C	6	9.0"				
HT-50-1.00-12-C	12	18.0"	1.0'	0.87"	0.065"	1,320 psia
HT-50-1.50-6-C	6	14.5"				
HT-50-1.50-12-C	12	29.0"	1-1/2'	1.37"	0.065"	880 psia
HT-50-2.00-6-C	6	19.0"				
HT-50-2.00-12-C	12	38.0"	2.0'	1.87"	0.065"	650 psia
HT-50-2.50-6-C	6	22.0"				
HT-50-2.50-12-C	12	44.0"	2-1/2"	2.37"	0.065"	510 psia
HT-50-3.00-6-C	6	27.0"	3.0"	2.87"	0.065"	425 psia
HT-50-4.00-6-C	6	36.5"	4.0"	3.83"	0.083"	310 psia
HT-50-6.00-6-C	6	53.0"	6.0"	5.78"	0.109"	260 psia

Table #2: Sanitary Mixing Element Assembly Only

Model #	ME Number of Mixing Elements	L _{MEA} Length Mixing Element Assembly	L _{ME} Length of One (1) Mixing Element	OD _{ME} Mixing Element Outside Diameter	OD _H Housing Outside Diameter	ID _H Housing Inside Diameter	T Mixing Blade Thickness
HT-50-0.50-6-E	6	3.15"					
HT-50-0.50-12-E	12	6.30"	0.525"	0.35"	1/2"	0.37"	1.0 mm
HT-50-0.75-6-E	6	5.40"					
HT-50-0.75-12-E	12	10.80"	0.90"	0.60"	3/4"	0.62"	1.5 mm
HT-50-1.00-6-E	6	7.56"					
HT-50-1.00-12-E	12	15.12"	1.26"	0.84"	1.0'	0.87"	2.0 mm
HT-50-1.50-6-E	6	12.06"					
HT-50-1.50-12-E	12	24.12"	2.01"	1.34"	1-1/2'	1.37"	3.0 mm
HT-50-2.00-6-E	6	16.60"					
HT-50-2.00-12-E	12	33.20"	2.76"	1.84"	2.0'	1.87"	4.0 mm
HT-50-2.50-6-E	6	21.06"					
HT-50-2.50-12-E	12	42.12"	3.51"	2.34"	2-1/2"	2.37"	5.0 mm
HT-50-3.00-6-E	6	25.56"	4.26"	2.84"	3.0"	2.87"	6.0 mm
HT-50-4.00-6-E	6	34.20"	5.70"	3.80"	4.0"	3.83"	6.0 mm
HT-50-6.00-6-E	6	51.60"	8.60"	5.73"	6.0"	5.78"	6.0 mm

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