

Armstrong MS-6 Noiseless Heater

The use of hot water is indispensable in food processing, cleaning, and plating operations. Although the simplest and most efficient way to provide the water is by direct steam sparging, such a format often results in vibration and noise caused by steam blowing into the water tank. These problems can be greatly reduced by mounting an MS-6 noiseless heater at the end of the pipe.

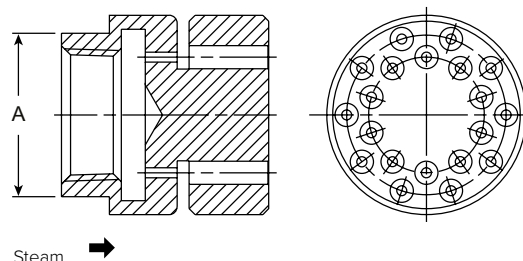
Features

- Stainless steel construction for greater durability
- Mounting is simple and economical
- Maintenance free

Formula for Calculating Steam Load to Heat Water in Tank

$$\text{kg/hr} = \frac{\text{Lit} \times \Delta T \times 4,186}{\text{Lat} \times T}$$

Lit = Liters of water to be heated
 ΔT = Temperature rise °C
 Lat = Latent heat of steam (kJ/Kg)
 T = Time in hours



Steam →

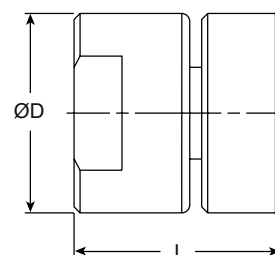


Table WH-385-1. Specifications	
Fluid	Steam
Pressure Range	0,5 - 7 bar
Silencing Limit Temperature	90°C
Material	304 Stainless Steel
Connection	NPT

Table WH-385-2. Dimensions and Weights						
Connections Size (mm)	15	20	25	32	40	50
«L»	49	49	52	55	59	65
«D»	35	45	50	60	70	105
«A»	30	35	41	50	60	90
Weights (kg)	0,25	0,40	0,52	0,77	1,15	2,99

Table WH-385-3. Capacities—Steam (kg/hr)						
Inlet (bar)	Connections Size					
	15	20	25	32	40	50
0,50	25	58	71	86	132	164
0,70	30	67	81	101	147	187
1,00	38	80	97	125	171	226
1,38	46	94	113	150	195	264
2,00	63	122	146	199	243	341
2,76	80	149	178	248	292	418
3,45	97	177	210	297	340	494
4,14	114	205	242	346	388	571
4,83	131	232	275	395	437	648
5,52	148	260	307	445	485	725
6,20	165	288	339	494	533	801
6,90	181	315	371	543	582	878

All dimensions and weights are approximate. Use certified print for exact dimensions. Design and materials are subject to change without notice.