Standing Heat Loss Chart in Watts for Standard Vessels

Thermal Products Ltd
Riverside Works,
Egmont Street
Mossley
Ashton-Under-Lyne
OL5 9NE

Standing Heat Loss Chart for Standard Vessels

Stainless Steel and Copper Cylinders, Vessels & Calorifiers

			Directives			
			EcoDesign (814/2013)		Energy Labelling (812/2013)	
Size (Litres)	Diameter* (mm)	Shell Length* (mm)	Standing Heat Loss (Watts)	Max Heat Loss Allowable in 2017 (Watts)	Energy Efficiency Class	Max Energy Efficiency Class Allowable in 2017
230	500	1270	50.8	90.6	B	C
270	500	1470	57.6	95.4	B	C
360	600	1370	64.6	104.7	B	C
450	600	1740	79.4	114.0	B	C
500	675	1470	77.1	116.0	B	C
550	675	1720	88.2	122.9		
600	750	1450	84.7	123.7		
700	750	1680	96.0	130.7		
800	750	1930	108.2	137.7		
900	750	2150	119.0	143.3	N/A	N/A
1000	900	1750	119.6	150.3		
1200	900	2050	137.0	159.7		
1500	1050	1950	153.9	174.2		
1750	1050	2175	168.9	181.8		
2000	1050	2400	183.9	189.0		

Carbon Steel & Copper-Lined Carbon Steel Cylinders, Vessels & Calorifiers

			Directives			
			EcoDesign (814/2013)		Energy Labelling (812/2013)	
Size (Litres)	Diameter** (mm)	Shell Length** (mm)	Standing Heat Loss (Watts)	Max Heat Loss Allowable in 2017 (Watts)	Energy Efficiency Class	Max Energy Efficiency Class Allowable in 2017
230	500	1270	50.8	90.6	B	C
270	600	1100	53.8	96.7	B	C
300	600	1200	57.8	99.8	B	C
360	600	1370	64.6	104.7	B	C
400	600	1540	71.4	109.1	B	C
450	600	1740	79.4	114.0	B	C
500	700	1470	79.9	118.8	B	C
550	700	1580	85.0	122.0		
600	700	1700	90.5	125.4		
700	700	2000	104.3	133.1		
800	800	1750	106.1	138.7		
900	800	1950	116.5	144.4	N/A	N/A
1000	900	1750	119.6	150.3		
1200	900	2050	137.0	159.7		
1500	1000	2060	153.3	172.1		
1750	1000	2380	173.7	182.0		
2000	1100	2280	184.6	191.4		

Please note the standing heat losses as shown above are based on each of the vessels supplied in complete form, IE supplied complete with with GMS factory fitted insulation, consisting of 75mm thick fibreglass mattresses secured to shell and enclosed in stucco aluminium sheet (ΔT = 45˚C).

GMS Thermal Products Ltd are ISO 9001 approved