

**Power-/ voltage matrix as reference for ThermSys mineral insulated heater with real cold ends**

The matrix does not release the user from the obligation of a close examination of whether the generated power is in actual use and application. Also flow from the heater sheath that the heater may not work at lower power complete or partwise over its maximum allowed sheath temperature. Please note for that also ThermSys sheet „Treatment and operation of TS heaters and their applications“, or ask us directly for further information and design guidelines.

Order Code	Technical datas			Power in Watt															
	Sheath material Alloy600/stainless steel	∅ [mm]	Hot part [mm]	Line resistance	25	50	75	100	150	200	350	500	750	1000	1250	1500	1750	2000	3500
				Voltage in Volt															
S-H-I-1,0-250	1,0	250	3,1	9	12	15	18												
S-H-I-1,0-500	1,0	500	6,2		18	22	25	30	35										
S-H-VA4-1,0-750	1,0	750	9,3			28	30	38	45										max. up to 600°C
S-H-I-1,0-1000	1,0	1000	12,5			30	35	45	50	65									
S-H-VA4-1,0-1500	1,0	1500	18,6				45	55	60	80	95								max. up to 600°C
S-H-I-1,0-2000	1,0	2000	25,0				50	60	70	95	110	135							
S-H-I-1,5-500	1,5	500	2,8		12	15	18	20	24										
S-H-I-1,5-1000	1,5	1000	5,5			20	24	28	33	45	50								
S-H-VA4-1,5-1500	1,5	1500	8,3				28	35	40	55	65	80							max. up to 600°C
S-H-I-1,5-2000	1,5	2000	11,0					40	48	60	75	90							
S-H-VA4-1,5-3000	1,5	3000	16,5						60	75	90	110	130						max. up to 600°C
S-H-I-1,5-4000	1,5	4000	22,0							90	105	130	150						
S-H-I-1,5-6000	1,5	6000	33,0							110	130	160	180						
S-H-I-2,0-500	2,0	500	1,6				12	15	18	24									
S-H-I-2,0-1000	2,0	1000	3,1				18	22	24	33	40								
S-H-VA4-2,0-1500	2,0	1500	4,7				22	27	30	40	48	60	70						max. up to 600°C
S-H-I-2,0-2000	2,0	2000	6,2				24	30	36	48	56	70	80	90					
S-H-VA4-2,0-3000	2,0	3000	9,3			max. up to 600°C			45	60	70	80	100	110	120				
S-H-I-2,0-4000	2,0	4000	12,5							70	80	100	110	125	140	150			
S-H-VA4-2,0-5000	2,0	5000	15,5			max. up to 600°C					90	110	125	140	150	165	175		
S-H-I-2,0-6000	2,0	6000	18,6								95	120	140	150	165	180	190		
S-H-I / VA4-2,0-8000	2,0	8000	25,0			max. up to 600°C						140	160	180	195	210	220		
S-H-I-3,0-5000	3,0	5000	7,0								60	70	85	95	100	110	120		
S-H-I-3,0-8000	3,0	8000	11,2									90	105	120	130	140	150		
S-H-I-3,0-10000	3,0	10000	14,0										120	130	145	155	165	220	

Caption:

- ≤ 600°C Assembly by simply coiling and fixing with metal strips or similar
- > 600°C Assembly with very good heat transfer (e.g. fully caulked in groove)
- max. 1000 Assembly with ideal heat transfer (soldering/casting/free in the medium) except heater with stainless steel