



FLEXIBLE TUBULAR HEATERS

MPI Morheat Flexible Tubular Heaters are completely flexible and may be shaped around pipes, along platen paths, and into other challenging shapes that require precise heating. We have several options for terminations and temperature control to meet your needs and they are excellent replacements for traditional tubular heaters and other electric heating elements and



STANDARD FEATURES

- Easy installation with a uniform finish
- Can be formed by hand
- Store in a straight condition to save storage space
- No special installation tools required
- Patented technology ensure industry leading heat transfer
- Up to 75% sheath contact with round and square flexible tubular heaters when recommended groove geometry is followed
- Rapid heat-up times
- Minimal temperature difference between heater sheath and heated tool
- 3-dimensional groove geometry
- Industry's smallest bending radius
- MPI's flexibility enables heat to be located where it is needed; an improvement over rigid cartridge heaters
- Reduced energy costs: tool mass can be reduced

CONSTRUCTION & TOLERANCES

Technical key features of MPI flexible tubular heater include:

- Sheath material. Stainless Steel
- Max sheath temperature. 700°C / 1290°F
- Standard connection voltage 230V
- High voltage resistance*. 1000V AC
- Insulation resistance* ≥ 5 MOhm at 500V DC
- Leakage current*. < 0.5 mA at 253V AC
- Wattage tolerance. +/-10%
- Length tolerance. +/-1.5%






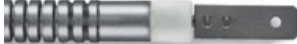
SPECIAL OPTIONS

- Bendable unheated zones
- Connection voltage from 12V to 250V
- Individual length
- Individual wattage
- Individual connection options

DIMENSIONS

Dia.	L Min [mm]	L Max [mm]	Max Tube Section [mm]	Min Internal Bending Radius	Max. sheath surface load [W/cm ²]	max. wattage [W] at 230V
6	300	1.8	24	6.5	10	2190
6.5	300	1.8	24	6.5	10	2190
8	300	2.6	10	10	15	5200
8.2	300	2.6	10	10	15	5200
8.5	300	2.6	10	10	15	5200
10	300	2.6	10	10	12.5	5200

TERMINATION OPTIONS

CERAMIC TERMINAL CONNECTOR "PLUG'N HEAT"		THREADED PINS	
	<ul style="list-style-type: none"> • B 14 x H 21 x T 25 mm • Ready for installation • No additional insulation necessary • Heat resistant up to 230°C in continuous operation (short term max. up to 280°C) • Only for 8.5 and/Q 8 x 8 		<ul style="list-style-type: none"> • M 2.5 with set of nuts and washers made of stainless steel. • M 4 with set of nuts and washers made of stainless steel (only for 8.5 and/Q 8 x 8).
PLAIN NI-LEADS		EXTERNAL MOUNTED LEADS	
	<ul style="list-style-type: none"> • With ceramic beads insulation, up to 600°C 		<ul style="list-style-type: none"> • Glass silk insulated Ni-leads up to 320°C, multi wire (also with cable socket for M 4) • PTFE insulated Ni-leads, up to 260°C, multi wire • Silicon insulated Ni-leads, up to 180°C, multi wire
HIGH TEMPERATURE LEADS		FLAT PLUG	
	<ul style="list-style-type: none"> • High temperature mineral fibre insulated Ni-leads with ceramic sealed tube section, multi wire 		<ul style="list-style-type: none"> • W = 6.3 mm

STOCK LIST / STANDARD PARTS

MPI P/N	Diame-ter (mm)	Watts (W)	Volts (V)	Length (mm)	MPI P/N	Diame-ter (mm)	Watts (W)	Volts (V)	Length (mm)
TUB-F00001	8.5	3450	230	1300	TUB-F00010	8.5	1000	230	700
TUB-F00002	8.5	3680	230	1350	TUB-F00011	8.5	1100	230	750
TUB-F00003	8.5	3710	230	1400	TUB-F00012	8.5	1190	230	800
TUB-F00004	8.5	3840	230	1450	TUB-F00013	8.5	1250	230	850
TUB-F00005	8.5	3970	230	1500	TUB-F00014	8.5	1350	230	900
TUB-F00006	8.5	700	230	500	TUB-F00015	8.5	1430	230	950
TUB-F00007	8.5	780	230	550	TUB-F00016	8.5	1500	230	1000
TUB-F00008	8.5	860	230	600	TUB-F00017	8.5	1590	230	1050
TUB-F00009	8.5	950	230	650	TUB-F00018	8.5	1650	230	1100

STOCK LIST / STANDARD PARTS

MPI P/N	Diame-ter (mm)	Watts (W)	Volts (V)	Length (mm)	MPI P/N	Diame-ter (mm)	Watts (W)	Volts (V)	Length (mm)
TUB-F00019	8.5	1750	230	1150	TUB-F00049	8.0	3245	240	1450
TUB-F00020	8.5	1830	230	1200	TUB-F00050	8.0	3365	240	1500
TUB-F00021	8.5	1900	230	1250	TUB-F00051	8.0	3480	240	1550
TUB-F00022	8.5	1990	230	1300	TUB-F00052	8.0	3600	240	1600
TUB-F00023	8.5	2070	230	1350	TUB-F00053	6.5	350	230	300
TUB-F00024	8.5	2150	230	1400	TUB-F00054	6.5	400	230	350
TUB-F00025	8.5	2230	230	1450	TUB-F00055	6.5	500	230	400
TUB-F00026	8.5	2300	230	1500	TUB-F00056	6.5	600	230	450
TUB-F00027	8.0	675	240	350	TUB-F00057	6.5	650	230	500
TUB-F00028	8.0	795	240	400	TUB-F00058	6.5	700	230	550
TUB-F00029	8.0	910	240	450	TUB-F00059	6.5	800	230	600
TUB-F00030	8.0	1025	240	500	TUB-F00060	6.5	850	230	650
TUB-F00031	8.0	1145	240	550	TUB-F00061	6.5	900	230	700
TUB-F00032	8.0	1260	240	600	TUB-F00062	6.5	1000	230	750
TUB-F00033	8.0	1380	240	650	TUB-F00063	6.5	1100	230	800
TUB-F00034	8.0	1495	240	700	TUB-F00064	6.5	1200	230	850
TUB-F00035	8.0	1615	240	750	TUB-F00065	6.5	1300	230	900
TUB-F00036	8.0	1730	240	800	TUB-F00066	6.5	1350	230	950
TUB-F00037	8.0	1845	240	850	TUB-F00067	6.5	1400	230	1000
TUB-F00038	8.0	1960	240	900	TUB-F00068	6.5	1450	230	1050
TUB-F00039	8.0	2080	240	950	TUB-F00069	6.5	1500	230	1100
TUB-F00040	8.0	2195	240	1000	TUB-F00070	6.5	1550	230	1150
TUB-F00041	8.0	2316	240	1050	TUB-F00071	6.5	1600	230	1200
TUB-F00042	8.0	2430	240	1100	TUB-F00072	6.5	1650	230	1250
TUB-F00043	8.0	2545	240	1150	TUB-F00073	6.5	1700	230	1300
TUB-F00044	8.0	2665	240	1200	TUB-F00074	6.5	1800	230	1350
TUB-F00045	8.0	2780	240	1250	TUB-F00075	6.5	1900	230	1400
TUB-F00046	8.0	2895	240	1300	TUB-F00076	6.5	2000	230	1450
TUB-F00047	8.0	3015	240	1350	TUB-F00077	6.5	2100	230	1500
TUB-F00048	8.0	3130	240	1400					