

ONE-PIECE MICA-INSULATED BAND HEATER



MB-1 Series

- ✓ 1 to 6 1/8" Nozzle Diameter
- ✓ 100 to 1000 Watts
- ✓ 120 and 240V
- ✓ Up to 482°C (900°F) Max Sheath Temperature
- ✓ Up to 399°C (750°F) Max Barrel Temperature
- ✓ Flexible Strand Terminals (Type A)
- ✓ Heavy-Duty Anti-Torque Post Terminal (Type P)

APPLICATIONS

- ✓ Barrels and Dies of Plastic Molding Machines
- ✓ Extruders
- ✓ Autoclaves

FEATURES

Efficient Heat Transfer is provided by high-quality nickel-chromium resistor wire wound on a select mica strip and enclosed in a die-formed aluminum coated steel sheath.

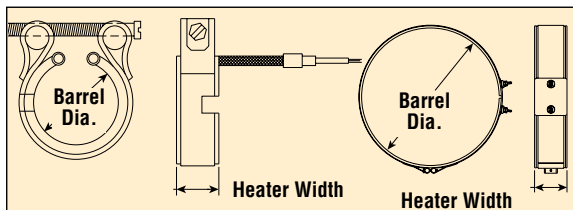
Long-Term Durability is ensured by non-hygroscopic mica insulation.

Uniform Fit to ±1/16".

Type A Extra Flexible Stranded Nickel Leadwire protected by a close-knit stainless steel braided sleeve. Standard length is 24" with 18" of braid.

Heavy-Duty Stainless Steel Anti-Torque Post Terminals come standard at #10 to 32 threads, except for 1" wide units, which have #6 to 32 threads.

Reliable Performance and Quick Temperature Response One-Piece Construction provides maximum nozzle coverage in tight spaces.



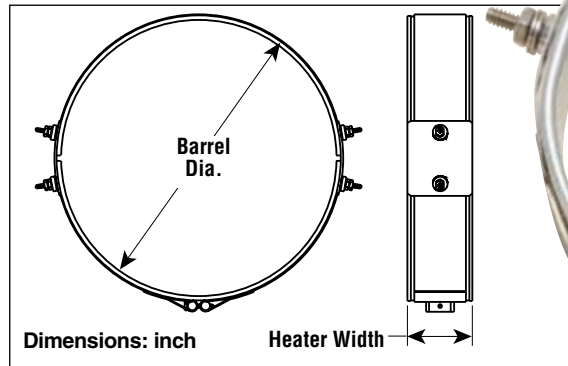
To Order

Watts	Volts	W/in ₂	Dimensions (inch)		Term.	Model No.	Wt. (lb)
			Barrel Dia.	Heater Width			
175	240	30	15/16	2	A	MBOR2A1A1	0.2
100	120	32	1	1	A	MB1A1A1A1	0.2
100	240	32	1	1	A	MB1A1A1A2	0.2
150	120	48	1	1	A	MB1A1A1A3	0.2
150	120	32	1	1 1/2	A	MB1A1J1A1	0.2
150	240	32	1	1 1/2	A	MB1A1J1A2	0.2
200	120	42	1	1 1/2	A	MB1A1J1A3	0.2
200	240	42	1	1 1/2	A	MB1A1J1A4	0.2
100	120	41	1 1/4	5/8	A	MB1EOL1A1	0.3
150	120	31	1 1/4	1 1/4	A	MB1E1E1A1	0.3
150	240	31	1 1/4	1 1/4	A	MB1E1E1A2	0.3
150	240	19	1 1/4	2	A	MB1E2A1A1	0.3
150	240	35	1 3/8	1	A	MB1G1A1A1	0.3
275	240	42	1 3/8	1 1/2	A	MB1G1J1A1	0.3
300	240	35	1 3/8	2	A	MB1G2A1A1	0.3
150	120	32	1 1/2	1	A	MB1J1A1A1	0.3
150	240	32	1 1/2	1	A	MB1J1A1A2	0.3
200	120	42	1 1/2	1	A	MB1J1A1A3	0.3
200	240	42	1 1/2	1	A	MB1J1A1A4	0.3
225	240	38	1 1/2	1 1/4	A	MB1J1E1A1	0.4
200	120	28	1 1/2	1 1/2	A	MB1J1J1A1	0.4
200	240	28	1 1/2	1 1/2	A	MB1J1J1A2	0.4
250	120	35	1 1/2	1 1/2	A	MB1J1J1A3	0.4
250	240	35	1 1/2	1 1/2	A	MB1J1J1A4	0.4
275	240	39	1 1/2	1 1/2	A	MB1J1J1A6	0.4
275	120	39	1 1/2	1 1/2	P	MB1J1J1P1	0.4
275	240	39	1 1/2	1 1/2	P	MB1J1J1P2	0.4
300	240	32	1 1/2	2	A	MB1J2A1P1	0.4
200	240	31	1 3/8	1 1/4	A	MB1L1E1A1	0.4
200	240	36	1 3/4	1	A	MB1N1A1A1	0.4
200	120	24	1 3/4	1 1/2	A	MB1N1J1A1	0.4
200	240	24	1 3/4	1 1/2	A	MB1N1J1A2	0.4
250	120	30	1 3/4	1 1/2	A	MB1N1J1A3	0.4
250	240	30	1 3/4	1 1/2	A	MB1N1J1A4	0.4
250	240	30	1 3/4	1 1/2	P	MB1N1J1P1	0.4
275	240	33	1 3/4	1 1/2	A	MB1N1J1A5	0.4
300	120	36	1 3/4	1 1/2	A	MB1N1J1A6	0.4
300	240	36	1 3/4	1 1/2	A	MB1N1J1A7	0.4
300	240	36	1 3/4	1 1/2	P	MB1N1J1P2	0.4
200	240	34	1 7/8	1	A	MB1Q1A1A1	0.4
200	120	32	2	1	A	MB2A1A1A1	0.5
200	240	32	2	1	A	MB2A1A1A2	0.5
250	240	27	2	1 1/2	P	MB2A1J1P1	0.5
300	240	32	2	1 1/2	P	MB2A1J1P2	0.5
200	120	30	2 1/8	1	A	MB2C1A1A1	0.5
275	240	41	2 1/8	1	A	MB2C1A1A2	0.5
350	240	35	2 1/8	1 1/2	P	MB2C1J1P1	0.5
250	120	35	2 1/4	1	P	MB2E1A1P1	0.5
250	240	35	2 1/4	1	P	MB2E1A1P2	0.5
200	240	19	2 1/4	1 1/2	P	MB2E1J1P1	0.5
375	240	35	2 1/4	1 1/2	P	MB2E1J1P2	0.5
525	240	37	2 1/4	2	P	MB2E2A1P1	0.5
200	240	27	2 3/8	1	P	MB2G1A1P1	0.5
275	240	35	2 3/8	1	P	MB2J1A1P1	0.6
300	240	25	2 1/2	1 1/2	P	MB2J1J1P1	0.6
350	120	30	2 1/2	1 1/2	P	MB2J1J1P2	0.6
350	240	30	2 1/2	1 1/2	P	MB2J1J1P3	0.6
450	240	29	2 1/2	2	P	MB2J2A1P1	0.6
400	240	31	2 3/4	1 1/2	P	MB2N1J1P1	0.6
300	240	32	3	1	P	MB3A1A1P1	0.7
400	240	42	3	1	P	MB3A1A1P2	0.7
400	240	28	3	1 1/2	P	MB3A1J1P1	0.7
500	240	35	3	1 1/2	P	MB3A1J1P2	0.7
300	240	31	3 1/8	1	P	MB3C1A1P1	0.7
400	240	27	3 1/8	1 1/2	P	MB3C1J1P1	0.7
400	240	27	3 1/4	1 1/2	P	MB3E1J1P1	0.7
500	240	30	3 1/2	1 1/2	P	MB3J1J1P1	0.7
600	240	27	3 1/2	2	P	MB3J2A1P1	0.8
700	240	40	3 3/4	1 1/2	P	MB3N1J1P1	0.8
500	240	27	4	1 1/2	P	MB4A1J1P1	0.8
650	240	31	4 1/2	1 1/2	P	MB4J1J1P1	0.8
600	240	24	5 1/4	1 1/2	P	MB5E1J1P1	0.9
1000	240	35	6 1/8	1 1/2	P	MB6C1J1P1	1

Ordering Example: MB2J1A1P1, 275 W, 240V heater.

2-PIECE MICA-INSULATED BAND HEATER

MB-2 Series



- ✓ 3½ to 10½" Barrel Dia.
- ✓ 500 to 2000 Watts
- ✓ 240 to 480V
- ✓ 21 to 40 W/in²
- ✓ Up to 900°F Max Sheath Temperature
- ✓ Up to 750°F Max Barrel Temperature
- ✓ Heavy Duty Anti-Torque Post Terminals (Type P)

APPLICATIONS

- ✓ Barrels and Dies of Plastic Molding Machines
- ✓ Extruders
- ✓ Autoclaves
- ✓ Heating Pipe Sections Up to 10½" OD

FEATURES

Efficient Heat Transfer is provided by high quality nickel chromium resistor wire wound on a selected mica strip and enclosed in a die-formed aluminum coated steel sheath.

Long-Term Durability is assured by non-hygroscopic mica insulation.

Uniform Fit to ±1/16" because of low expansion stainless steel clamping band, which assures maximum heat distribution.

Easy to Apply due to two-piece construction. Each heater is rated 240V. Connect in series for 480V; parallel for 240V.

Heavy Duty Stainless Steel Post Terminals complete with hardware, are designed to prevent excess torsion during tightening of connections. Standard #10-32 threads.

Reliable Performance and Quick Temperature Response

To Order						
Watts	Volts	W/in ²	Dimensions (inch)		Model No.	Wt. (lb)
			Barrel Dia.	Heater Width		
500	240/480	30	3½	1½	MB3J1J2P1	0.7
700	240/480	37	4	1½	MB4A1J2P1	0.8
800	240/480	32	4	2	MB4A2A2P1	0.8
750	240/480	35	4½	1½	MB4J1J2P1	0.8
600	240/480	27	4¾	1½	MB4N1J2P1	0.8
900	240/480	39	4⅞	1½	MB4Q1J2P1	0.8
700	240/480	30	5	1½	MB5A1J2P1	0.9
900	240/480	38	5	1½	MB5A1J2P2	0.9
900	240/480	36	5¼	1½	MB5E1J2P1	0.9
800	240/480	31	5½	1½	MB5J1J2P1	0.9
850	240/480	30	6	1½	MB6A1J2P1	1
1000	240/480	35	6	1½	MB6A1J2P2	1
750	240/480	25	6¼	1½	MB6E1J2P1	1
950	240/480	31	6½	1½	MB6J1J2P1	1
1200	240/480	39	6½	1½	MB6J1J2P2	1
1000	240/480	24	6½	2	MB6J2A2P1	1
1000	240/480	31	6¾	1½	MB6N1J2P1	1
1000	240/480	30	7	1½	MB7A1J2P1	1.2
1000	240/480	29	7¼	1½	MB7E1J2P1	1.2
900	240/480	20	7¼	2	MB7E2A2P1	1.3
1200	240/480	35	7⅝	1½	MB7G1J2P1	1.2
1000	240/480	28	7½	1½	MB7J1J2P1	1.2
1200	240/480	34	7½	1½	MB7J1J2P2	1.2
1000	240/480	27	7¾	1½	MB7N1J2P1	1.2
1000	240/480	27	7⅞	1½	MB7Q1J2P1	1.2
1100	240/480	35	8	1¼	MB8A1E2P1	1.4
1000	240/480	27	8	1½	MB8A1J2P1	1.4
1300	240/480	35	8	1½	MB8A1J2P2	1.4
1200	240/480	30	8½	1½	MB8J1J2P1	1.5
1400	240/480	35	8½	1½	MB8J1J2P2	1.5
1600	240/480	30	8½	2	MB8J2A2P1	1.5
1300	240/480	31	9	1½	MB9A1J2P1	1.6
1500	240/480	35	9	1½	MB9A1J2P2	1.6
1800	240/480	30	9½	2	MB9J2A2P1	1.7
2000	240/480	33	9¾	2	MB9N2A2P1	1.8
1000	240/480	21	10	1½	MB10A1J2P1	2.1
1400	240/480	30	10	1½	MB10A1J2P2	2.1
2000	240/480	40	10½	1½	MB10J1J2P1	2.4

Note: Watt densities shown are based on heated area of contact surface only.

Ordering Example: MB6J1J2P1, 950 Watt, 240 or 480V Heater.