

# GAUMER PROCESS

HEATERS  
SYSTEMS  
CONTROLS

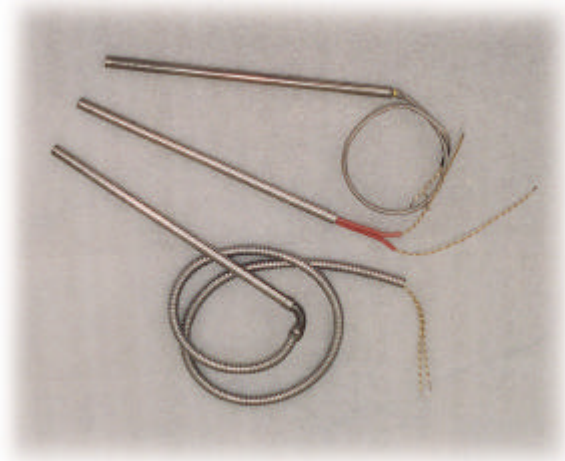
## Cartridge Heaters Premium Construction

### APPLICATIONS

The Gaumer Premium Construction Cartridge Heater is used for heating metal parts, platens, molds, dies, and fixtures thru the insertion of cartridge heaters into drilled holes. The swedged construction and the alloy sheath material is good for rugged duty operation.

### STANDARD FEATURES

- High Quality Nickel-Chromium Resistance Wire
- High Grade MgO (Magnesium Oxide) is Compacted thru a Swedging Operation to Maximize Heat-Transfer.
- Heavy-Wall Alloy Sheath Provides Excellent Resistance to Corrosion and has a Good Emissivity Factor for Good Transfer of Heat.
- Alloy End-Disk is Heliarc Welded to Provide a Liquid-tight Seal and to Maintain Heater Strength and Integrity During Removal.
- Stranded High-Temperature Lead Wires are Attached to Solid Nickel Terminal Pins.



### SPECIAL FEATURES AND OPTIONS

- 18F High-Temperature Flexible Leadwires, 18 inches long
- 24F High Temperature Flexible Leadwires, 24 inches long
- 36F High Temperature Flexible Leadwires, 36 inches long
- 2CB 2 Inch High-Temperature Terminal Pins with Ceramic Beads
- 4CB 4 Inch High-Temperature Terminal Pins with Ceramic Beads
- 1L Hex Head Threaded Stainless Steel Bushing Welded to Terminal End
- 2L Double Head Double Thread Stainless Steel Bushing Welded to Terminal End
- SF Hex Head Stainless Steel Flange tack welded to Heater Terminal End
- J Internally Mounted Type J Thermocouple with 18 inch long Leadwires
- K Internally Mounted Type K Thermocouple with 18 inch long Leadwires
- MB 12 Inches Stainless Steel Flexible Conduit Tackwelded to Heater Sheath. Includes 14 Inches Insulated High-Temperature Leadwires
- RASS Right Angle Stainless Steel Elbow is Welded to Terminal End of Heater and to 12 Inches Long Stainless Steel Flexible Conduit. Includes 14 Inches Insulated High-Temperature Leadwires
- SASS Straight Stainless Steel Transition Fitting is Welded to Terminal End of Heater and to 12 Inches Long Stainless Steel Flexible Conduit. Includes 14 Inches Insulated High-Temperature Leadwires.

# Cartridge Heaters

Premium Construction

**Diameter: 0.250**

Catalog Number	Watts	Volts	Length	Watts/ sq.in.	Weight (lbs.)	Features
A101-80	80	120	1.000	108	0.10	
A101-100	100	120	1.000	260	0.10	
A102-100	100	240	1.000	250	0.02	
A101-150	150	120	1.000	390	0.10	
A121-75	75	120	1.250	130	0.10	
A121-100	100	120	1.250	173	0.10	
A121-125	125	120	1.250	216	0.10	
A121-150XX	150	120	1.250	260	0.10	
A121-150	150	120	1.250	260	0.10	
A122-150	150	240	1.250	260	0.10	
A122-200	200	240	1.250	346	0.10	
A122-225	225	240	1.250	390	0.02	
A121-75-1L	750	120	1.250	130	0.10	St.Stl. Hex Head Bushing
A141-50	50	120	1.500	65	0.03	
A141-100	100	120	1.500	130	0.10	
A141-150	150	120	1.500	195	0.10	
A142-175	175	240	1.500	228	0.10	
A141-200	200	120	1.500	260	0.10	
A142-200	200	240	1.500	260	0.10	
A142-250	250	240	1.500	325	0.10	
A201-50	50	120	2.000	43	0.03	
A201-80	80	120	2.000	68	0.03	
A201-100	100	120	2.000	87	0.10	
A202-125	125	240	2.000	108	0.03	
A201-150-22TF	150	120	2.000	130	0.10	
A201-150	150	120	2.000	130	0.10	
A202-150	150	240	2.000	130	0.10	
A201-200	200	120	2.000	173	0.10	
A202-200	200	240	2.000	173	0.10	
A201-250	250	120	2.000	217	0.10	
A202-250	250	240	2.000	215	0.10	
A201-300	300	120	2.000	260	0.10	
A202-300	300	240	2.000	260	0.10	
A222-300-36F	300	240	2.250	260	0.10	36 inch long Flexible Leads
A222-350-36F	350	240	2.250	300	0.03	36 inch long Flexible Leads
A241-250	250	120	2.500	159	0.04	
A242-250	250	240	2.500	159	0.04	
A301-100	100	120	3.000	50	0.05	
A301-125	125	120	3.000	65	0.10	
A301-200	200	120	3.000	104	0.10	
A301-200-F	200	120	3.000	104	0.10	10 inch long Flexible Leads
A301-200-1L	200	120	3.000	104	0.10	St.Stl. Hex Head Bushing
A302-200	200	240	3.000	104	0.10	
A302-200-30MB	200	240	3.000	104	0.10	
A302-250	250	240	3.000	128	0.05	
A301-300	300	120	3.000	156	0.10	
A301-300-1L	300	120	3.000	156	0.10	St.Stl. Hex Head Bushing

# Cartridge Heaters

## Premium Construction

**Diameter: 0.250**

Catalog Number	Watts	Volts	Length	Watts/ sq.in.	Weight (lbs.)	Features
A302-300	300	240	3.000	156	0.10	
A302-3001L	300	240	3.000	156	0.05	St.Stl. Hex Head Bushing
A341-200	200	120	3.500	89	0.10	
A362-200-30MB	200	240	3.750	84	0.10	
A401-100	100	120	4.000	37	0.10	
A401-200	200	120	4.000	74	0.10	
A402-200	200	240	4.000	74	0.10	
A401-300	300	120	4.000	111	0.10	
A402-300	300	240	4.000	111	0.10	
A402-400	400	240	4.000	148	0.10	
A441-200	200	120	4.500	64	0.10	
A501-120-24F	120	120	5.000	34	0.10	24 inch long Flexible Leads
A501-120-24FJ	120	120	5.000	34	0.10	
A502-350	350	240	5.000	101	0.10	
A501-400	400	120	5.000	113	0.09	
A502-400	400	240	5.000	113	0.09	
A602-300-18F	300	240	6.000	71	0.10	18 inch long Flexible Leads
A602-300	300	240	6.000	71	0.10	
A601-400	400	120	6.000	94	0.10	
A602-400	400	240	6.000	94	0.10	
A601-600	600	120	6.000	142	0.10	
A802-400	400	240	8.000	71	0.10	
A1002-500-1L-6	500	240	10.000	71	0.10	

**Diameter: 0.375**

Catalog Number	Watts	Volts	Length	Watts/ sq.in.	Weight (lbs.)	Features
B101-55	55	120	1.000	95	0.03	
B101-100	100	120	1.000	172	0.05	
B101-150	150	120	1.000	259	0.05	
B102-200-F	200	240	1.000	344	0.05	10 inch long Flexible Leads
B121-100	100	120	1.250	115	0.06	
B121-125	125	120	1.250	144	0.06	
B121-150	150	120	1.250	172	0.06	
B122-150	150	240	1.250	172	0.06	
B121-200	200	120	1.250	230	0.06	
B122-200	200	240	1.250	230	0.06	
B121-400	400	120	1.250	426	0.03	
B141-030	30	120	1.500	26	0.04	
B141-30	30	120	1.500	26	0.07	
B141-50-22F	50	120	1.500	43	0.04	22 inch long Flexible Leads
B141-75	75	120	1.500	65	0.07	
B141-075	75	120	1.500	65	0.04	
B141-80	80	120	1.500	68	0.04	
B141-100	100	120	1.500	86	0.07	
B142-100	100	240	1.500	86	0.04	
B142-125	125	240	1.500	106	0.04	
B141-150	150	120	1.500	129	0.07	

# Cartridge Heaters

## Premium Construction

**Diameter: 0.375**

Catalog Number	Watts	Volts	Length	Watts/ sq.in.	Weight (lbs.)	Features
B142-150	150	240	1.500	129	0.07	
B142-150-1L	150	240	1.500	129	0.04	St.Stl. Hex Head Bushing
B141-200	200	120	1.500	173	0.07	
B142-200	200	240	1.500	173	0.04	
B141-250	250	120	1.500	216	0.07	
B142-250	250	240	1.500	216	0.07	
B161-125	125	120	1.750	86	0.08	
B161-175	175	120	1.750	122	0.08	
B162-200	200	240	1.750	142	0.05	
B161-250	250	120	1.750	172	0.08	
B162-250	250	240	1.750	172	0.08	
B17X1-100	100	120	1.875	65	0.05	
B172-150	150	240	1.875	98	0.05	
B171-200	200	120	1.875	129	0.05	
B171-250	250	120	1.875	152	0.05	
B172-250	250	240	1.875	161	0.05	
B201-50	50	120	2.000	29	0.09	
B201-75	75	120	2.000	42	0.05	
B201-100	100	120	2.000	57	0.09	
B1X2-100	100	240	2.000	57	0.05	
B202-100	100	240	2.000	57	0.09	
B201-150	150	120	2.000	86	0.09	
B202-150	150	240	2.000	86	0.09	
B201-200	200	120	2.000	115	0.09	
B202-200	200	240	2.000	115	0.09	
B201-250	250	120	2.000	144	0.09	
B202-250F	250	240	2.000	144	0.05	10 inch long Flexible Leads
B202-250	250	240	2.000	144	0.09	
B202 250F	250	240	2.000	143	0.09	
B201-300	300	120	2.000	172	0.09	
B202-300	300	240	2.000	172	0.09	
B201-400	400	120	2.000	230	0.09	
B202-400	400	240	2.000	230	0.09	
B201-500	500	120	2.000	282	0.05	
B202-500	500	240	2.000	282	0.05	
B211-100	100	120	2.125	55	0.10	
B212-200	200	240	2.125	106	0.06	
B221-75	75	120	2.250	37	0.10	
B221-125	125	120	2.250	62	0.06	
B222-125	125	240	2.250	62	0.06	
B222-150	150	240	2.250	73	0.06	
B221-175	175	120	2.250	86	0.10	
B221-250	250	120	2.250	123	0.10	
B222-250	250	240	2.250	123	0.10	
B221-300	300	120	2.250	148	0.06	
B222-300	300	240	2.250	148	0.06	
B221-350	350	120	2.250	173	0.06	
B222-350	350	240	2.250	173	0.06	

# Cartridge Heaters

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**Diameter: 0.375**

Catalog Number	Watts	Volts	Length	Watts/ sq.in.	Weight (lbs.)	Features
B231-75	75	120	2.375	35	0.06	
B241-200	200	120	2.500	87	0.11	
B242-200	200	240	2.500	87	0.11	
B241-250	250	120	2.500	108	0.11	
B242-250	250	240	2.500	108	0.11	
B241-300	300	120	2.500	130	0.11	
B242-300	300	240	2.500	130	0.11	
B241-400	400	120	2.500	174	0.07	
B242-400	400	240	2.500	174	0.07	
B241-500	500	120	2.500	216	0.11	
B242-500	500	240	2.500	216	0.11	
B271-60	60	120	2.875	22	0.08	
B271-250	250	120	2.875	92	0.08	
B272-300	300	240	2.875	110	0.08	
B301-100	100	120	3.000	34	0.14	
B302-100	100	240	3.000	34	0.14	
B301-150	150	120	3.000	52	0.14	
B302-150	150	240	3.000	52	0.14	
B301-200	200	120	3.000	69	0.14	
B302-200	200	240	3.000	69	0.14	
B301-250	250	120	3.000	86	0.14	
B302-250	250	240	3.000	86	0.14	
B302-260	260	240	3.000	92	0.14	
B301-300	300	120	3.000	104	0.14	
B302-300	300	240	3.000	104	0.14	
B301-400	400	120	3.000	138	0.14	
B302-400	400	240	3.000	138	0.14	
B301-500	500	120	3.000	173	0.14	
B302-500	500	240	3.000	173	0.14	
B302-600	600	240	3.000	208	0.14	
B321-500	500	120	3.250	152	0.15	
B341-250	250	120	3.500	72	0.16	
B342-250	250	240	3.500	72	0.09	
B341-300	300	120	3.500	87	0.16	
B342-300	300	240	3.500	87	0.16	
B342-320	320	240	3.500	91	0.09	
B341-500	500	120	3.500	144	0.16	
B342-500	500	240	3.500	144	0.16	
B371-150	150	120	3.875	38	0.18	
B372-500	500	240	3.875	128	0.10	
B401-125	125	120	4.000	31	0.11	
B402-125	125	240	4.000	31	0.11	
B401-150-F	150	120	4.000	37	0.11	10 inch long Flexible Leads
B402-150	150	240	4.000	37	0.11	
B401-175	175	120	4.000	43	0.11	
B401-250	250	120	4.000	62	0.18	
B402-250	250	240	4.000	62	0.18	
B401-300	300	120	4.000	74	0.18	

# Cartridge Heaters

## Premium Construction

**Diameter: 0.375**

Catalog Number	Watts	Volts	Length	Watts/ sq.in.	Weight (lbs.)	Features
B402-300F	300	240	4.000	74	0.11	10 inch long Flexible Leads
B402-300	300	240	4.000	74	0.18	
B402-370	370	240	4.000	92	0.18	
B401-400	400	120	4.000	99	0.18	
B402-400	400	240	4.000	99	0.18	
B402-450	450	240	4.000	109	0.18	
B401-500	500	120	4.000	123	0.18	
B402-500	500	240	4.000	123	0.18	
B401-550	550	120	4.000	134	0.18	
B422-300	300	240	4.250	67	0.19	
B422-750	750	240	4.250	167	0.19	
B441-300	300	120	4.500	65	0.20	
B442-300	300	240	4.500	65	0.20	
B442-420	420	240	4.500	90	0.20	
B441-500	500	120	4.500	108	0.20	
B442-500	500	240	4.500	108	0.20	
B472-300	300	240	4.875	59	0.22	
B472-500	500	240	4.875	98	0.22	
B501-150	150	120	5.000	29	0.23	
B502-150	150	240	5.000	29	0.23	
B501-200	200	120	5.000	38	0.23	
B502-200F	200	240	5.000	38	0.14	10 inch long Flexible Leads
B501-300	300	120	5.000	58	0.23	
B502-300	300	240	5.000	58	0.14	
B502-30020SB	300	240	5.000	58	0.14	
B502-400	400	240	5.000	76	0.23	
B502-470	470	240	5.000	90	0.23	
B501-500	500	120	5.000	96	0.23	
B502-500	500	240	5.000	96	0.23	
B501-650	650	120	5.000	125	0.23	
B502-750	750	240	5.000	144	0.23	
B502-1000	1000	240	5.000	192	0.23	
B522-200	200	240	5.250	36	0.24	
B542-175-24RAX	175	240	5.500	31	0.25	
B542-175	175	240	5.500	31	0.25	
B542-525	525	240	5.500	91	0.25	
B542-600	600	240	5.500	104	0.25	
B542-1000	1000	240	5.500	173	0.25	
B601-200	200	120	6.000	31	0.27	
B601-250	250	120	6.000	39	0.27	
B601-250-SF	250	120	6.000	39	0.27	Hex Head St.Stl. Flange
B601-250-14RAF	250	120	6.000	39	0.27	Right Angle Fttg - Flex Leads
B602-250	250	240	6.000	39	0.27	
B601-300	300	120	6.000	47	0.27	
B602-350-18F	350	240	6.000	55	0.27	18 inch long Flexible Leads
B601-400	400	120	6.000	63	0.27	
B601-400-18F	400	120	6.000	63	0.27	18 inch long Flexible Leads
B602-400-18SB	400	240	6.000	63	0.27	

# Cartridge Heaters

## Premium Construction

**Diameter: 0.375**

Catalog Number	Watts	Volts	Length	Watts/ sq.in.	Weight (lbs.)	Features
B602-400	400	240	6.000	63	0.27	
B601-500	500	120	6.000	79	0.27	
B601-500-SSBX	500	120	6.000	79	0.27	St.Stl. Braid over Lead Wires
B602-500	500	240	6.000	79	0.27	
B602-575	575	240	6.000	90	0.27	
B601-600	600	120	6.000	94	0.27	
B602-600	600	240	6.000	94	0.27	
B601-750	750	120	6.000	115	0.27	
B602-750	750	240	6.000	117	0.27	
B602-900	900	240	6.000	139	0.27	
B602-1000	1000	240	6.000	157	0.27	
B642-600	600	240	6.500	86	0.30	
B642-625	625	240	6.500	90	0.30	
B642-1000	1000	240	6.500	143	0.30	
B701-250	250	120	7.000	33	0.32	
B702-250	250	240	7.000	33	0.32	
B702-300	300	240	7.000	40	0.32	
B702-500	500	240	7.000	65	0.32	
B701-600	600	120	7.000	80	0.32	
B702-600-18F	600	240	7.000	80	0.32	18 inch long Flexible Leads
B702-600-1L-185F	600	240	7.000	80	0.32	Hex Head St.Stl. Flange
B702-600	600	240	7.000	80	0.32	
B702-675	675	240	7.000	90	0.32	
B702-1000-F	1000	240	7.000	133	0.32	10 inch long Flexible Leads
B702-1000	1000	240	7.000	133	0.32	
B742-600	600	240	7.500	75	0.34	
B742-725	725	240	7.500	91	0.34	
B742-1000F	1000	240	7.500	124	0.20	10 inch long Flexible Leads
B772-750	750	240	7.875	90	0.36	
B80X-25	25	12	8.000	3	0.36	
B801-025	25	120	8.000	3	0.22	
B801-200-1L-TCJ	200	120	8.000	22	0.36	
B801-250	250	120	8.000	29	0.36	
B801-300	300	120	8.000	34	0.36	
B802-300	300	240	8.000	34	0.36	
B802-350-18F	350	240	8.000	41	0.36	18 inch long Flexible Leads
B801-400	400	120	8.000	45	0.36	
B801-450	450	120	8.000	51	0.36	
B801-500	500	120	8.000	58	0.36	
B802-500-18SB	500	240	8.000	58	0.36	
B802-500-18F	500	240	8.000	58	0.36	18 inch long Flexible Leads
B802-500-36F	500	240	8.000	58	0.22	36 inch long Flexible Leads
B802-500	500	240	8.000	58	0.36	
B801-600	600	120	8.000	69	0.36	
B802-600	600	240	8.000	69	0.36	
B802-700	700	240	8.000	79	0.36	
B802-750	750	240	8.000	85	0.36	
B802-775	775	240	8.000	88	0.36	

# Cartridge Heaters

## Premium Construction

**Diameter: 0.375**

Catalog Number	Watts	Volts	Length	Watts/ sq.in.	Weight (lbs.)	Features
B801-800-18F	800	120	8.000	90	0.36	18 inch long Flexible Leads
B802-1000	1000	240	8.000	115	0.36	
B852-500	500	240	8.625	56	0.39	
B902-400	400	240	9.000	42	0.41	
B901-500-SSBX	500	120	9.000	52	0.41	St.Stl. Braid over Lead Wires
B901-500	500	120	9.000	52	0.41	
B902-1000	1000	240	9.000	100	0.41	
B942-600	600	240	9.500	57	0.43	
B942-1000	1000	240	9.500	96	0.43	
B1001-300-12FL	300	120	10.000	27	0.45	St.Stl. Hex DblEnd Head Bushi
B1001-400	400	120	10.000	36	0.45	
B1002-400	400	240	10.000	36	0.45	
B1001-500	500	120	10.000	46	0.27	
B1002-500-18F	500	240	10.000	46	0.45	18 inch long Flexible Leads
B1002-500	500	240	10.000	46	0.45	
B1001-600	600	120	10.000	54	0.45	
B1002-600	600	240	10.000	54	0.45	
B1001-800-1L	800	120	10.000	72	0.45	St.Stl. Hex Head Bushing
B1002-800	800	240	10.000	73	0.45	
B1002-1000F	1000	240	10.000	91	0.45	10 inch long Flexible Leads
B1002-1200F	1200	240	10.000	108	0.45	10 inch long Flexible Leads
B1072-240	240	240	10.875	20	0.49	
B1101-300-RA	300	120	11.000	25	0.50	
B1201-400	400	120	12.000	30	0.55	
B1201-600-F	600	120	12.000	45	0.55	10 inch long Flexible Leads
B1201-600	600	120	12.000	45	0.55	
B1202-600	600	240	12.000	45	0.55	
B1202-1000	1000	240	12.000	75	0.55	
B1201-1500	1500	120	12.000	90	0.55	
B1272-1000	1000	240	12.875	73	0.59	
B1401-500-SSBX	500	120	14.000	31	0.38	St.Stl. Braid over Lead Wires
B1402-600	600	240	14.000	39	0.38	
B1442-1000F	1000	240	14.000	65	0.38	10 inch long Flexible Leads
B1502-700-18F	700	240	15.000	44	0.68	18 inch long Flexible Leads
B1802-1000-18F	1000	240	18.000	51	0.82	18 inch long Flexible Leads
B2201-300-24F	300	120	22.000	12	0.10	24 inch long Flexible Leads
B4002-1500-18F	1500	240	40.000	32	0.75	18 inch long Flexible Leads

**Diameter: 0.500**

Catalog Number	Watts	Volts	Length	Watts/ sq.in.	Weight (lbs.)	Features
C101-50	50	120	1.000	65	0.06	
C101-150	150	120	1.000	193	0.06	
C121-50	50	120	1.250	43	0.08	
C121-125	125	120	1.250	107	0.08	
C122-125	125	240	1.250	107	0.08	
C122-200	200	240	1.250	172	0.08	
C122-250	250	240	1.250	212	0.08	

# Cartridge Heaters

## Premium Construction

**Diameter: 0.500**

Catalog Number	Watts	Volts	Length	Watts/ sq.in.	Weight (lbs.)	Features
C141-50	50	120	1.500	32	0.09	
C141-150	150	120	1.500	97	0.09	
C142-150	150	240	1.500	97	0.09	
C141-200	200	120	1.500	128	0.09	
C142-200	200	240	1.500	128	0.09	
C161-75-F	75	120	1.750	34	0.11	10 inch long Flexible Leads
C201-75	75	120	2.000	32	0.13	
C201-150	150	120	2.000	54	0.13	
C202-150-18F	150	240	2.000	54	0.13	18 inch long Flexible Leads
C201-200	200	120	2.000	86	0.13	
C202-200	200	240	2.000	86	0.13	
C201-250	250	120	2.000	108	0.13	
C202-250	250	240	2.000	108	0.13	
C201-300	300	120	2.000	128	0.13	
C202-300	300	240	2.000	128	0.13	
C201-400	400	120	2.000	171	0.13	
C202-400	400	240	2.000	171	0.13	
C221-75	75	120	2.250	28	0.14	
C221-125	125	120	2.250	46	0.14	
C221-200-F	200	120	2.250	74	0.14	10 inch long Flexible Leads
C221-250	250	120	2.250	92	0.14	
C222-250	250	240	2.250	92	0.14	
C221-400	400	120	2.250	147	0.14	
C222-400	400	240	2.250	147	0.14	
C221-500	500	120	2.250	184	0.14	
C222-500	500	240	2.250	184	0.14	
C231-75	75	120	2.375	26	0.15	
C232-75	75	240	2.375	26	0.15	
C231-100	100	120	2.375	34	0.15	
C232-100	100	240	2.375	34	0.15	
C231-120	120	120	2.375	41	0.15	
C232-120	120	240	2.375	41	0.15	
C231-250	250	120	2.375	86	0.15	
C232-250	250	240	2.375	86	0.15	
C231-500	500	120	2.375	172	0.15	
C232-500	500	240	2.375	172	0.15	
C241-80	80	120	2.500	26	0.16	
C241-100	100	120	2.500	32	0.16	
C242-100	100	240	2.500	32	0.16	
C241-250	250	120	2.500	81	0.16	
C242-250	250	240	2.500	81	0.16	
C241-300	300	120	2.500	96	0.16	
C242-300	300	240	2.500	96	0.16	
C242-350	350	240	2.500	112	0.16	
C241-400	400	120	2.500	128	0.16	
C242-400	400	240	2.500	128	0.16	
C241-500	500	120	2.500	161	0.16	
C242-500	500	240	2.500	161	0.16	

# Cartridge Heaters

## Premium Construction

**Diameter: 0.500**

Catalog Number	Watts	Volts	Length	Watts/ sq.in.	Weight (lbs.)	Features
C252-300	300	240	2.625	90	0.16	
C251-350	350	120	2.625	108	0.16	
C261-400	400	120	2.750	120	0.17	
C262-400	400	240	2.750	120	0.17	
C302-75-1LX	75	240	3.000	19	0.19	
C301-100	100	120	3.000	25	0.19	
C301-125	125	120	3.000	32	0.19	
C302-125	125	240	3.000	32	0.19	
C301-250	250	120	3.000	64	0.19	
C302-250	250	240	3.000	64	0.19	
C301-300	300	120	3.000	78	0.19	
C302-300	300	240	3.000	78	0.19	
C301-350	350	120	3.000	89	0.19	
C301-400	400	120	3.000	104	0.19	
C302-400	400	240	3.000	104	0.19	
C301-500	500	120	3.000	129	0.19	
C302-500	500	240	3.000	129	0.19	
C301-600	600	120	3.000	154	0.19	
C302-600	600	240	3.000	154	0.19	
C301-750	750	120	3.000	193	0.19	
C302-750	750	240	3.000	193	0.19	
C301-1000	1000	120	3.000	254	0.19	
C321-120	120	120	3.250	27	0.20	
C341-250	250	120	3.500	54	0.22	
C342-250	250	240	3.500	54	0.22	
C342-350	350	240	3.500	75	0.22	
C341-400	400	120	3.500	86	0.22	
C342-420	420	240	3.500	82	0.22	
C341-500	500	120	3.500	107	0.22	
C342-500	500	240	3.500	107	0.22	
C342-750	750	240	3.500	162	0.22	
C372-250	250	240	3.875	50	0.24	
C371-500	500	120	3.875	100	0.24	
C401-100	100	120	4.000	19	0.25	
C401-150	150	120	4.000	28	0.25	
C402-150	150	240	4.000	28	0.25	
C402-180	180	240	4.000	34	0.25	
C401-250	250	120	4.000	46	0.25	
C402-250	250	240	4.000	46	0.25	
C401-300	300	120	4.000	56	0.25	
C402-300	300	240	4.000	56	0.25	
C401-350	350	120	4.000	65	0.25	
C402-350	350	240	4.000	65	0.25	
C401-400	400	120	4.000	74	0.25	
C402-400	400	240	4.000	74	0.25	
C402-490	490	240	4.000	90	0.25	
C401-500	500	120	4.000	92	0.25	
C402-500-48F	500	240	4.000	92	0.25	48 inch long Flexible Leads

# Cartridge Heaters

## Premium Construction

**Diameter: 0.500**

Catalog Number	Watts	Volts	Length	Watts/ sq.in.	Weight (lbs.)	Features
C402-500	500	240	4.000	92	0.25	
C402-500-18F	500	240	4.000	92	0.25	18 inch long Flexible Leads
C401-550	550	120	4.000	100	0.25	
C401-750	750	120	4.000	138	0.25	
C402-750	750	240	4.000	138	0.25	
C402-1000	1000	240	4.000	184	0.25	
C431-550	550	120	4.375	95	0.27	
C442-250-16AC	250	240	4.500	40	0.28	
C442-250	250	240	4.500	40	0.28	
C441-500	500	120	4.500	80	0.28	
C442-500	500	240	4.500	80	0.28	
C442-500-48F	500	240	4.500	80	0.28	48 inch long Flexible Leads
C442-550	550	240	4.500	80	0.28	
C441-750	750	120	4.500	120	0.28	
C442-750	750	240	4.500	120	0.28	
C472-300	300	240	4.875	47	0.30	
C472-1000	1000	240	4.875	155	0.31	
C501-150	150	120	5.000	22	0.31	
C501-200	200	120	5.000	29	0.31	
C502-200	200	240	5.000	29	0.31	
C501-250	250	120	5.000	36	0.31	
C501-350	350	120	5.000	50	0.31	
C502-350	350	240	5.000	50	0.31	
C501-400	400	120	5.000	58	0.31	
C502-400	400	240	5.000	58	0.31	
C501-500	500	120	5.000	72	0.31	
C502-500	500	240	5.000	72	0.31	
C504-500	500	240	5.000	72	0.31	
C504-500-36	500	480	5.000	72	0.31	
C502-625	625	240	5.000	89	0.31	
C501-750-F	750	120	5.000	108	0.31	10 inch long Flexible Leads
C501-750	750	120	5.000	108	0.31	
C502-750	750	240	5.000	108	0.31	
C502-1000	1000	240	5.000	143	0.31	
C521-40	40	120	5.250	5	0.21	
C542-200	200	240	5.500	25	0.34	
C541-500	500	120	5.500	64	0.34	
C542-500	500	240	5.500	64	0.34	
C542-500-F	500	240	5.500	64	0.34	10 inch long Flexible Leads
C542-650	650	240	5.500	83	0.34	
C542-700	700	240	5.500	89	0.34	
C541-750	750	120	5.500	95	0.34	
C542-750	750	240	5.500	95	0.34	
C552-500	500	240	5.625	63	0.35	
C572-300	300	240	5.750	38	0.36	
C561-700	700	120	5.750	89	0.36	
C562-700	700	240	5.750	89	0.36	
C601-250	250	120	6.000	29	0.38	

# Cartridge Heaters

## Premium Construction

**Diameter: 0.500**

Catalog Number	Watts	Volts	Length	Watts/ sq.in.	Weight (lbs.)	Features
C602-250	250	240	6.000	29	0.38	
C601-300-18F	300	120	6.000	35	0.38	18 inch long Flexible Leads
C601-300	300	120	6.000	35	0.38	
C602-300-24F	300	240	6.000	35	0.38	24 inch long Flexible Leads
C602-300	300	240	6.000	35	0.38	
C601-350	350	120	6.000	41	0.38	
C601-350-24F	350	120	6.000	41	0.38	24 inch long Flexible Leads
C602-350	350	240	6.000	41	0.38	
C601-500-24F	500	120	6.000	59	0.38	24 inch long Flexible Leads
C601-500-18FL	500	120	6.000	59	0.38	St.Stl. Hex DblEnd Head Bushi
C601-500	500	120	6.000	59	0.38	
C604-500	500	240	6.000	59	0.38	
C602-500	500	240	6.000	59	0.38	
C602-500-48F	500	240	6.000	59	0.38	48 inch long Flexible Leads
C602-500-RAX	500	240	6.000	59	0.38	
C602-500-18F	600	240	6.000	59	0.38	18 inch long Flexible Leads
C601-750	750	120	6.000	88	0.38	
C602-750-18F	750	240	6.000	88	0.38	18 inch long Flexible Leads
C602-750	750	240	6.000	88	0.38	
C602-775	775	240	6.000	90	0.38	
C601-800	800	120	6.000	90	0.38	
C601-1000	1000	120	6.000	117	0.38	
C602-1000	1000	240	6.000	117	0.38	
C602-1000-RB30	1000	240	6.000	117	0.38	
C631-500	500	120	6.375	55	0.40	
C642-500	500	240	6.500	54	0.41	
C642-850	850	240	6.500	93	0.41	
C642-1000	1000	240	6.500	110	0.41	
C701-250	250	120	7.000	25	0.44	
C701-500	500	120	7.000	50	0.44	
C701-500-18F	500	120	7.000	50	0.44	18 inch long Flexible Leads
C702-500	500	240	7.000	50	0.44	
C701-600	600	120	7.000	60	0.44	
C702-600-20SB	600	240	7.000	60	0.44	
C702-600	600	240	7.000	60	0.44	
C702-1000	1000	240	7.000	99	0.44	
C742-500	500	240	7.500	46	0.47	
C742-975	975	240	7.500	92	0.47	
C742-1000	1000	240	7.500	95	0.47	
C801-300	300	120	8.000	26	0.50	
C801-300-24F	300	120	8.000	26	0.50	24 inch long Flexible Leads
C802-300-24F	300	240	8.000	26	0.50	24 inch long Flexible Leads
C802-400-F	400	240	8.000	34	0.50	10 inch long Flexible Leads
C801-500	500	120	8.000	43	0.50	
C801-500-18F	500	120	8.000	43	0.50	18 inch long Flexible Leads
C801-500-F	500	120	8.000	43	0.50	10 inch long Flexible Leads
C802-500	500	240	8.000	43	0.50	
C802-500-18F	500	240	8.000	43	0.50	18 inch long Flexible Leads

# Cartridge Heaters

## Premium Construction

**Diameter: 0.500**

Catalog Number	Watts	Volts	Length	Watts/ sq.in.	Weight (lbs.)	Features
<b>C802-500-RB18</b>	500	240	8.000	43	0.50	
<b>C802-500RAF</b>	500	240	8.000	43	0.50	Right Angle Fitting
<b>C802-500-2LTCJ</b>	500	240	8.000	43	0.50	
<b>C802-600-36SB</b>	600	240	8.000	52	0.50	
<b>C802-600</b>	600	240	8.000	52	0.50	
<b>C802-700</b>	700	240	8.000	59	0.50	
<b>C802-700-24F</b>	700	240	8.000	59	0.50	24 inch long Flexible Leads
<b>C801-800F</b>	800	120	8.000	69	0.50	10 inch long Flexible Leads
<b>C801-800</b>	800	120	8.000	69	0.50	
<b>C801-1000</b>	1000	120	8.000	86	0.50	
<b>C802-1000</b>	1000	240	8.000	86	0.50	
<b>C802-1500</b>	1500	240	8.000	129	0.50	
<b>C802-2000</b>	2000	240	8.000	172	0.50	
<b>C842-300</b>	300	240	8.500	24	0.53	
<b>C842-500-AC24</b>	500	240	8.500	40	0.33	
<b>C842-500</b>	500	240	8.500	40	0.53	
<b>C842-1000</b>	1000	240	8.500	80	0.53	
<b>C901-300</b>	300	120	9.000	23	0.56	
<b>C902-500</b>	500	240	9.000	38	0.56	
<b>C902-1000</b>	1000	240	9.000	76	0.56	
<b>C941-300-36F</b>	300	120	9.500	22	0.59	36 inch long Flexible Leads
<b>C942-500</b>	500	240	9.500	37	0.59	
<b>C942-1000</b>	1000	240	9.500	73	0.59	
<b>C1001-300-F</b>	300	120	10.000	21	0.63	10 inch long Flexible Leads
<b>C1002-350-AC</b>	350	240	10.000	24	0.63	
<b>C1001-500</b>	500	120	10.000	34	0.63	
<b>C1002-500-18F</b>	500	240	10.000	34	0.63	18 inch long Flexible Leads
<b>C1002-500</b>	500	240	10.000	34	0.63	
<b>C1002-500-RAF</b>	500	240	10.000	34	0.39	Right Angle Fitting
<b>C1002-500-F</b>	500	240	10.000	34	0.63	10 inch long Flexible Leads
<b>C1001-600</b>	600	120	10.000	41	0.63	
<b>C1002-600-F</b>	600	240	10.000	41	0.63	10 inch long Flexible Leads
<b>C1001-750-18F</b>	750	120	10.000	51	0.63	18 inch long Flexible Leads
<b>C1001-750-18F</b>	750	120	10.000	51	0.39	18 inch long Flexible Leads
<b>C1002-750-18F</b>	750	240	10.000	51	0.63	18 inch long Flexible Leads
<b>C1002-800-18</b>	800	240	10.000	54	0.63	
<b>C1002-800</b>	800	240	10.000	54	0.63	
<b>C1001-1000</b>	1000	120	10.000	68	0.63	
<b>C1002-1000</b>	1000	240	10.000	68	0.63	
<b>C1002-1500</b>	1500	240	10.000	102	0.63	
<b>C1002-2000</b>	2000	240	10.000	136	0.63	
<b>C1102-600F</b>	600	240	11.000	36	0.69	10 inch long Flexible Leads
<b>C1102-1000</b>	1000	240	11.000	61	0.69	
<b>C1102-1500</b>	1500	240	11.000	91	0.69	
<b>C1142-250-AC</b>	250	240	11.500	14	0.72	
<b>C1142-600F</b>	600	240	11.500	34	0.72	10 inch long Flexible Leads
<b>C1162-500-18F</b>	500	240	11.750	28	0.73	18 inch long Flexible Leads
<b>C1162-1000</b>	1000	240	11.750	56	0.73	

# Cartridge Heaters

## Premium Construction

**Diameter: 0.500**

Catalog Number	Watts	Volts	Length	Watts/ sq.in.	Weight (lbs.)	Features
C1201-100-CEXP	100	120	12.000	6	0.47	
C1201-350-18F	350	120	12.000	20	0.75	18 inch long Flexible Leads
C1202-350-18F	350	240	12.000	20	0.75	18 inch long Flexible Leads
C1202-350	350	240	12.000	20	0.75	
C1201-500	500	120	12.000	28	0.75	
C1202-500-18F	500	240	12.000	28	0.75	18 inch long Flexible Leads
C1201-600	600	120	12.000	34	0.75	
C1202-600	600	240	12.000	34	0.75	
C1201-1000	1000	120	12.000	56	0.75	
C1202-1000	1000	240	12.000	56	0.75	
C1202-1000-18SB	1000	240	12.000	56	0.75	
C1201-1200-24F	1200	120	12.000	67	0.75	24 inch long Flexible Leads
C1201-1200	1200	120	12.000	67	0.75	
C1202-1500	1500	240	12.000	84	0.75	
CIR-3120	1500	240	12.000	84	0.75	
C1202-2000	2000	240	12.000	112	0.75	
C1302-700	700	240	13.000	36	0.81	
C1302-700-18F	700	240	13.000	36	0.81	18 inch long Flexible Leads
C1407-500X	500	0	14.000	24	0.55	
C1402-500XX	500	240	14.000	24	0.88	
C1402-500	500	240	14.000	24	0.88	
C1402-500-18F	500	240	14.000	24	0.88	18 inch long Flexible Leads
C1402-700	700	240	14.000	34	0.88	
C1402-1000-RHF	1000	240	14.000	48	0.55	
C1402-1000	1000	240	14.000	48	0.88	
C1402-1500-18BS	1500	240	14.000	72	0.88	
C1402-1500	1500	240	14.000	72	0.88	
C1402-1600-F	1600	240	14.000	77	0.88	10 inch long Flexible Leads
C1402-2300	2300	240	14.000	110	0.88	
C1432-400	400	240	14.375	18	0.90	
C1432-400-AC	400	240	14.375	18	0.90	
C1501-500-18F	500	120	15.000	22	0.94	18 inch long Flexible Leads
C1502-500-18F	500	240	15.000	22	0.94	18 inch long Flexible Leads
C1502-600	600	240	15.000	26	0.94	
C1502-600-18F	600	240	15.000	26	0.94	18 inch long Flexible Leads
C1502-1500	1500	240	15.000	66	0.94	
C1601-500-18F	500	120	16.000	21	1.00	18 inch long Flexible Leads
C1602-500	500	240	16.000	21	1.00	
C1601-1000	1000	120	16.000	41	1.00	
C1601-1000-22F	1000	120	16.000	41	1.00	22 inch long Flexible Leads
C1601-1000-XL	1000	120	16.000	41	1.00	St.Stl. Hex DblEnd Head Bushi
C1602-1000	1000	240	16.000	41	1.00	
C1602-1500	1500	240	16.000	61	1.00	
C1702-500	500	240	17.000	20	1.06	
C1702-600	600	240	17.000	24	1.06	
C170XX1-22F	1000	120	17.000	40	1.06	22 inch long Flexible Leads
C1802-500	500	240	18.000	18	1.13	
C1802-500-18F	500	240	18.000	18	1.13	18 inch long Flexible Leads

# Cartridge Heaters

## Premium Construction

**Diameter: 0.500**

Catalog Number	Watts	Volts	Length	Watts/ sq.in.	Weight (lbs.)	Features
<b>C1802-1500</b>	1500	240	18.000	55	1.13	
<b>C1802-1500-F</b>	1500	240	18.000	55	1.13	10 inch long Flexible Leads
<b>C1802-1700-1L</b>	1700	240	18.000	62	1.13	St.Stl. Hex Head Bushing
<b>C1802-1700-18F</b>	1700	240	18.000	62	1.13	18 inch long Flexible Leads
<b>C2002-1050</b>	1050	240	20.000	34	1.25	
<b>C2602-2000</b>	2000	240	26.000	60	1.63	

**Diameter: 0.625**

Catalog Number	Watts	Volts	Length	Watts/ sq.in.	Weight (lbs.)	Features
<b>D121-50</b>	50	120	1.250	34	0.10	
<b>D121-200</b>	200	120	1.250	137	0.10	
<b>D121-250</b>	250	120	1.250	171	0.10	
<b>D122-250</b>	250	240	1.250	128	0.10	
<b>D121-400</b>	400	120	1.250	274	0.10	
<b>D141-200</b>	200	120	1.500	102	0.13	
<b>D141-250</b>	250	120	1.500	128	0.13	
<b>D201-100</b>	100	120	2.000	34	0.17	
<b>D201-200</b>	200	120	2.000	68	0.17	
<b>D202-400</b>	400	240	2.000	137	0.17	
<b>D202-500F</b>	500	240	2.000	170	0.11	10 inch long Flexible Leads
<b>D221-100</b>	100	120	2.250	29	0.19	
<b>D221-250</b>	250	120	2.250	73	0.19	
<b>D222-250</b>	250	240	2.250	73	0.19	
<b>D221-350</b>	350	120	2.250	103	0.19	
<b>D222-350</b>	350	240	2.250	103	0.19	
<b>D222-500</b>	500	240	2.250	146	0.19	
<b>D231-150-18F</b>	150	120	2.375	41	0.20	18 inch long Flexible Leads
<b>D231-150F</b>	150	120	2.375	41	0.20	10 inch long Flexible Leads
<b>D232-150</b>	150	240	2.375	41	0.20	
<b>D232-180-F</b>	180	240	2.375	49	0.20	10 inch long Flexible Leads
<b>D231-280</b>	280	120	2.375	77	0.20	
<b>D232-280</b>	280	240	2.375	77	0.20	
<b>D231-350</b>	350	120	2.375	96	0.20	
<b>D242-280</b>	280	240	2.500	73	0.21	
<b>D301-150</b>	150	120	3.000	31	0.18	
<b>D302-150</b>	150	240	3.000	31	0.25	
<b>D302-180-2L</b>	180	240	3.000	37	0.25	St.Stl. Hex DblEnd Head Bushi
<b>D301-250</b>	250	120	3.000	51	0.25	
<b>D302-250</b>	250	240	3.000	51	0.25	
<b>D301-400</b>	400	120	3.000	81	0.25	
<b>D301-500</b>	500	120	3.000	102	0.25	
<b>D302-500</b>	500	240	3.000	103	0.25	
<b>D302-750</b>	750	240	3.000	154	0.25	
<b>D312-800-19F</b>	800	240	3.125	158	0.26	19 inch long Flexible Leads
<b>D351-240</b>	240	120	3.625	45	0.30	
<b>D361-525</b>	525	120	3.750	82	0.31	
<b>D362-525</b>	525	240	3.750	82	0.23	

# Cartridge Heaters

## Premium Construction

**Diameter: 0.625**

Catalog Number	Watts	Volts	Length	Watts/ sq.in.	Weight (lbs.)	Features
D362-525-16F	525	240	3.750	82	0.31	16 inch long Flexible Leads
D402-100-F	100	240	4.000	15	0.33	10 inch long Flexible Leads
D402-100	100	240	4.000	15	0.33	
D401-150	150	120	4.000	22	0.33	
D402-200-F	200	240	4.000	29	0.33	10 inch long Flexible Leads
D401-250	250	120	4.000	37	0.33	
D402-250	250	240	4.000	37	0.33	
D402-400	400	240	4.000	58	0.33	
D401-500	500	120	4.000	74	0.33	
D402-500	500	240	4.000	73	0.33	
D402-600	600	240	4.000	88	0.33	
D401-750-F	750	120	4.000	110	0.33	10 inch long Flexible Leads
D401-750	750	120	4.000	110	0.33	
D402-750	750	240	4.000	110	0.24	
D402-1000	1000	240	4.000	146	0.33	
D431-240	240	120	4.375	35	0.36	
D431-300	300	120	4.375	42	0.26	
D441-250	250	120	4.500	35	0.38	
D441-275	275	120	4.500	38	0.38	
D441-275-F	275	120	4.500	38	0.38	10 inch long Flexible Leads
D502-125	125	240	5.000	14	0.42	
D501-250	250	120	5.000	28	0.42	
D502-250	250	240	5.000	28	0.42	
D502-500	500	240	5.000	57	0.42	
D502-750-24F	750	240	5.000	86	0.42	24 inch long Flexible Leads
D502-750	750	240	5.000	86	0.42	
D502-1000	1000	240	5.000	114	0.42	
D502-1300	1300	240	5.000	148	0.42	
D531-800	800	120	5.375	84	0.45	
D532-800	800	240	5.375	84	0.45	
D542-285	285	240	5.500	28	0.34	
D542-800	800	240	5.500	86	0.46	
D601-300	300	120	6.000	28	0.50	
D602-300	300	240	6.000	28	0.50	
D601-400-1L	400	120	6.000	38	0.50	St.Stl. Hex Head Bushing
D601-400	400	120	6.000	38	0.50	
D602-400	400	240	6.000	38	0.50	
D601-500	500	120	6.000	47	0.50	
D602-500	500	240	6.000	47	0.50	
D602-750	750	240	6.000	70	0.36	
D602-1000	1000	240	6.000	93	0.50	
D601-1500	1500	120	6.000	139	0.50	
D602-1500	1500	240	6.000	140	0.50	
D641-325	325	120	6.500	27	0.54	
D641-350	350	120	6.500	30	0.39	
D642-350	350	240	6.500	30	0.39	
D641-500	500	120	6.500	43	0.54	
D642-500	500	240	6.500	43	0.54	

# Cartridge Heaters

## Premium Construction

**Diameter: 0.625**

Catalog Number	Watts	Volts	Length	Watts/ sq.in.	Weight (lbs.)	Features
D702-400	400	240	7.000	31	0.58	
D701-500	500	120	7.000	39	0.58	
D702-500	500	240	7.000	39	0.58	
D702-1000	1000	240	7.000	79	0.58	
D702-1500	1500	240	7.000	118	0.58	
D762-1200	1200	240	7.750	84	0.46	
D801-100-X36	100	120	8.000	7	0.67	
D801-500	500	120	8.000	34	0.67	
D802-500	500	240	8.000	34	0.67	
D802-850	850	240	8.000	58	0.67	
D802-1000	1000	240	8.000	68	0.67	
D801-1200	1200	120	8.000	82	0.67	
D802-1200	1200	240	8.000	82	0.67	
D802-1500	1500	240	8.000	102	0.67	
D802-2000	2000	240	8.000	137	0.67	
D842-1000	1000	240	8.500	65	0.71	
D861-450	450	120	8.750	28	0.73	
D1001-500	500	120	10.000	27	0.83	
D1002-500	500	240	10.000	27	0.83	
D1001-600	600	120	10.000	32	0.83	
D1002-1600	600	240	10.000	32	0.83	
D1002-750	750	240	10.000	40	0.83	
D1002-1000	1000	240	10.000	54	0.83	
D1002-1500	1500	240	10.000	81	0.83	
D1002-2000	2000	240	10.000	108	0.83	
CIR4105	1700	0	10.750	85	0.90	
CIR4105-8CY	1700	0	10.750	85	0.90	
D1102-1000	1000	240	11.000	49	0.92	
D1062-1700-X	1700	240	11.000	91	0.92	
D1201-500	500	120	12.000	22	1.00	
D1202-500	500	240	12.000	22	1.00	
D1201-600	600	120	12.000	27	1.00	
D1202-900	900	240	12.000	40	1.00	
D1201-1000-1L	1000	120	12.000	45	1.00	St.Stl. Hex Head Bushing
D1201-1000	1000	120	12.000	45	1.00	
D1202-1000	1000	240	12.000	45	1.00	
D1201-1500	1500	120	12.000	66	1.00	
D1202-1500	1500	240	12.000	67	1.00	
D1202-2000	2000	240	12.000	89	1.00	
D1301-600-24RA	600	120	13.000	25	1.08	
D1302-750-36SF	750	240	13.000	31	1.08	Hex Head St.Stl. Flange
D1302-750	750	240	13.000	31	1.08	
D1402-3700	3700	240	14.000	140	1.17	
D1462-1000	1000	240	14.750	38	1.23	
D1502-600	600	240	15.000	21	1.25	
D1502-750	750	240	15.000	27	1.25	
D1502-2400	2400	240	15.000	84	1.25	
D1502-4000	4000	240	15.000	141	1.25	

# Cartridge Heaters

## Premium Construction

**Diameter: 0.625**

Catalog Number	Watts	Volts	Length	Watts/ sq.in.	Weight (lbs.)	Features
D1602-2500	2500	240	16.000	82	1.33	
D1602-4500	4500	240	16.000	148	1.33	
D1801-600	600	120	18.000	18	1.50	
D1802-1500	1500	240	18.000	44	1.50	
D1802-3000	3000	240	18.000	87	1.50	
D1802-4700	4700	240	18.000	137	1.50	
D2002-1000	1000	240	20.000	27	1.67	
D2002-1500	1500	240	20.000	40	1.67	
D2002-3500	3500	240	20.000	92	1.67	
D2002-4700	4700	240	20.000	123	1.67	
D2102-1075	1075	240	21.000	28	1.75	
D2402-1200	1200	240	24.000	26	2.00	
D2402-2000	2000	240	24.000	44	2.00	
D2402-3000	3000	240	24.000	66	2.00	
D2402-4700	4700	240	24.000	102	2.00	
D3602-1500	1500	240	36.000	22	3.00	
D3602-3000	3000	240	36.000	43	3.00	

**Diameter: 0.750**

Catalog Number	Watts	Volts	Length	Watts/ sq.in.	Weight (lbs.)	Features
E221-200	200	120	2.250	49	0.22	
E231-200	200	120	2.375	49	0.24	
E232-200	200	240	2.375	49	0.24	
E301-250	250	120	3.000	43	0.30	
E302-250	250	240	3.000	43	0.30	
E302-500F	500	240	3.000	85	0.26	10 inch long Flexible Leads
E341-300	300	120	3.500	51	0.35	
E342-300	300	240	3.500	51	0.35	
E351-750-CR	750	120	3.625	120	0.36	
E401-250	250	120	4.000	31	0.40	
E402-400	400	240	4.000	49	0.40	
E402-500	500	240	4.000	61	0.40	
E402-1000	1000	240	4.000	122	0.40	
E461-350	350	120	4.750	36	0.47	
E501-300	300	120	5.000	28	0.50	
E502-500	500	240	5.000	47	0.50	
E502-1000	1000	240	5.000	95	0.50	
E522-250-X	250	240	5.250	24	0.47	
E602-300	300	240	6.000	23	0.60	
E602-350	350	240	6.000	27	0.60	
E601-500	500	120	6.000	39	0.60	
E602-500	500	240	6.000	39	0.60	
E602-500-2L	500	240	6.000	39	0.60	St.Stl. Hex DblEnd Head Bushi
E602-750-F	750	240	6.000	59	0.60	10 inch long Flexible Leads
E602-1000-JTC	1000	240	6.000	78	0.51	
E602-1000	1000	240	6.000	78	0.51	
E602-1000-JT/C	1000	240	6.000	78	0.60	

# Cartridge Heaters

## Premium Construction

**Diameter: 0.750**

Catalog Number	Watts	Volts	Length	Watts/ sq.in.	Weight (lbs.)	Features
E602-1500	1500	240	6.000	116	0.60	
E602-2000	2000	240	6.000	155	0.60	
E702-350	350	240	7.000	23	0.70	
E701-500	500	120	7.000	33	0.70	
E702-500	500	240	7.000	33	0.70	
E702-1000	1000	240	7.000	66	0.70	
E742-1300	1300	240	7.500	80	0.75	
E801-500	500	120	8.000	28	0.80	
E802-500	500	240	8.000	28	0.80	
E802-1000	1000	240	8.000	57	0.80	
E802-2000	2000	240	8.000	114	0.80	
E1002-100-1L	100	240	10.000	5	0.85	St.Stl. Hex Head Bushing
E1002-200	200	240	10.000	10	1.00	
E1002-200-1L	200	240	10.000	10	0.85	St.Stl. Hex Head Bushing
E1001-800	800	120	10.000	36	1.00	
E1002-1000	1000	240	10.000	45	1.00	
E1002-2000	2000	240	10.000	90	0.85	
E1102-1500	1500	240	11.000	63	1.10	
E1202-100-1L	100	240	12.000	4	1.02	St.Stl. Hex Head Bushing
E1202-1000	1000	240	12.000	37	1.20	
E1202-1400	1400	240	12.000	52	1.20	
E1202-2000	2000	240	12.000	74	1.20	
E1202-4000	4000	240	12.000	148	1.20	
E1301-600	600	120	13.000	20	1.30	
E1302-1000	1000	240	13.000	34	1.30	
E1302-125F	1250	240	13.000	43	1.11	10 inch long Flexible Leads
E1304-1250	1250	240	13.000	43	1.30	
E1332-550	550	240	13.375	19	1.34	
E1402-700	700	240	14.000	22	1.40	
E1402-1000	1000	240	14.000	32	1.40	
E1402-1200	1200	240	14.000	41	1.40	
E1402-1250	1250	240	14.000	40	1.40	
E1402-2500	2500	240	14.000	79	1.40	
E1402-4500	4500	240	14.000	142	1.40	
E1502-1500	1500	240	15.000	44	1.50	
E1502-3000	3000	240	15.000	88	1.50	
E1602-700F	700	240	16.000	19	1.60	10 inch long Flexible Leads
E1602-1250	1250	240	16.000	34	1.60	
E1602-1800	1800	240	16.000	49	1.60	
E1602-3000	3000	240	16.000	82	1.60	
E1602-4700	4700	240	16.000	129	1.60	
E1702-1200	1200	240	17.000	30	1.70	
E1702-1200-90AF24	1200	240	17.000	30	1.45	
E1802-2000	2000	240	18.000	49	1.80	
E1802-3000	3000	240	18.000	74	1.80	
E1802-5000	5000	240	18.000	122	1.80	
E2002-1000	1000	240	20.000	22	2.00	
E2002-1150	1150	240	20.000	25	2.00	

# Cartridge Heaters

Premium Construction

**Diameter: 0.750**

Catalog Number	Watts	Volts	Length	Watts/ sq.in.	Weight (lbs.)	Features
<b>E2002-1200</b>	1200	240	20.000	27	2.00	
<b>E2002-2300</b>	2300	240	20.000	52	2.00	
<b>E2002-250</b>	2500	240	20.000	54	2.00	
<b>E2002-5250</b>	5250	240	20.000	115	2.00	
<b>E2402-1200</b>	1200	240	24.000	22	2.40	
<b>E2402-1375</b>	1375	240	24.000	25	2.40	
<b>E2402-1400</b>	1400	240	24.000	26	2.40	
<b>E2402-2550</b>	2550	240	24.000	47	2.40	
<b>E2402-2750</b>	2750	240	24.000	50	2.40	
<b>E2402-2800</b>	2800	240	24.000	52	0.25	
<b>E2402-4600</b>	4600	240	24.000	84	2.40	
<b>E2402-5500</b>	5500	240	24.000	100	2.40	
<b>E3604-2000</b>	2000	240	36.000	24	3.60	
<b>E3602-2500</b>	2500	240	36.000	30	3.60	