



Diffusion Pump Heaters by Dalton Electric

Agilent/Varian

Dalton's Diff-Therm Platen Heaters are designed as direct replacements for **Agilent / Varian Vacuum Diffusion Pump Heaters**.

Matching bolt patterns, casting shapes and sizes ensure ease of installation. Superior design and meticulous construction ensure uniform heating, longer life, and efficient power generation.

Dalton Diff-Therm heaters are built with high-purity magnesium oxide, nickel chromium resistance wire, and stainless steel internal components. Special filling methods and equipment compact the magnesium oxide tightly inside and around the resistor helix which is then swaged under 50 tons of pressure to its maximum possible density. The result is very high dielectric strength and efficient internal heat generation. Diff-Therm castings are machined to a smooth, flat finish to ensure efficient and uniform heat conduction into the boiler plate assembly for steady vaporization of the pump fluid.

To order a replacement heater, select the Dalton Diff-Therm heater below that matches your Varian equipment.

Heater Replacement Guide: AGILENT / VARIAN							
PUMP SIZE	PUMP MODEL	Heaters per Pump	Electrical Rating		AGILENT/VARIAN HEATER NO.	DALTON PART NO.	HEATER TYPE
			WATTS	VOLTS			
2"	H8A	1	350W	120V	0181-6473-01-100	W50830-0117	CARTR.
2"	H8-2	1	450W	120V	0181-6473-02-125	W50833-0118	CARTR.
2"	M-2	1	450W	120V	0181-6472-03-120	4/512-2/90	PLATEN
4"	H4X, VH8-4	1	1450W	120V	0181-6473-04-205	1512-4/90	PLATEN
4"	H4X, VH8-4	1	1450W	208V	0181-6473-210	1521-4/90	PLATEN
4"	H4X, VH8-4	1	1450W	240V	0181-6473-04-250	1524-4/90	PLATEN
4"	M-4, NH8-4	1	1190W	120	0181-6473-04-100	1212-4/90	PLATEN
4"	M-4, NH8-4	1	1190W	240	0181-6473-04-200	1224-4/90	PLATEN
4"	VARIOUS	1	AS REQUIRED		--	CUSTOM 4/90	PLATEN
4"	H84/0161	1	1000W	120V	0181-6473-04-004	1012-5/0	PLATEN
4"	VARIOUS	1	AS REQUIRED		--	CUSTOM 50	PLATEN
6"	VH8-6, VB250	1	2200W	120V	0181-6473-06-125	2212-60	PLATEN
6"	VH8-6, VH8250	1	2200W	208V	0181-6473-06-175	2221-60	PLATEN
6"	VH8-6, VH8250	1	2200W	240V	0181-6473-06-225	2224-60	PLATEN
6"	VH8-6, VH8250	1	2200W	480V	NOT LISTED	2248-60	PLATEN
6"	M-6, NH8-6	1	1785W	120V	0181-6473-06-100	1812-60	PLATEN



6"	VARIOUS	1	AB REQUIRED			CUSTOM 6D	PLATEN
6"	H86/0162	1	1800W	120V	0181-6473-01-005	1812-7D	PLATEN
6"	H86/0162	1	1800W	240V	0181-6473-01-006	1824-7D	PLATEN
6"	VARIOUS	1	AB REQUIRED			CUSTOM 7D	PLATEN
10"	H8-10	1	3900W	208V	NOT LISTED	3921-11D	PLATEN
10"	H8-10	1	3900W	240V	NOT LISTED	3924-11D	PLATEN
10"	H8-10	1	3900W	480V	NOT LISTED	3948-11D	PLATEN
10"	H8-10	1	3200W	480V	0180-6473-10-230	3348-11D	PLATEN
10"	VARIOUS	1	AB REQUIRED			CUSTOM-11D	PLATEN
10"	VH8-10, VH8400	1	5000W	208V	NOT LISTED	5021-12D	PLATEN
10"	VH8-10, VH8400	1	5000W	240V	NOT LISTED	5024-12D	PLATEN
10"	VH8-10, VH8400	1	5000W	480V	NOT LISTED	5048-12D	PLATEN
10"	VH8-10, VH8400	1	4400W	208V	0181-6473-10-140 (x2)	4421-12D	PLATEN
10"	VH8-10, VH8400	1	4400W	240V	0181-6473-10-150 (x2)	4424-12D	PLATEN
10"	VH8-10, VH8400	1	4400W	480V	0181-6473-10-170 (x2)	4448-12D	PLATEN
10"	VARIOUS	1	AB REQUIRED			CUSTOM 12D	PLATEN
16"	H8-16	3	3200W	240V	NOT LISTED	3224-8R	PLATEN
16"	H8-16	3	3200W	480V	NOT LISTED	3248-8R	PLATEN
16"	H8-16	3	2700W	240V	0181-6473-16-035	2724-8R	PLATEN
16"	H8-16	3	2700W	480V	0181-6473-16-045	2748-8R	PLATEN
16"	VARIOUS	3	AB REQUIRED			CUSTOM 8R	PLATEN
20"	H8-20	6	2400W	240V	NOT LISTED	2424-16R	PLATEN
20"	H8-20	6	2400W	480V	NOT LISTED	2448-16R	PLATEN
20"	H8-20	6	2000W	240V	0181-6473-20-060	2024-16R	PLATEN
20"	H8-20	6	2000W	480V	0181-6473-20-070	2048-16R	PLATEN
20"	H8-20	6	AB REQUIRED			CUSTOM 16R	PLATEN
32"	H8-32	6	4000W	240V	0181-6473-32-075	4024-14R	PLATEN
32"	H8-32	6	4000W	480V	0181-6473-32-075	4048-14R	PLATEN
32"	VARIOUS	6	AB REQUIRED			CUSTOM 14R	PLATEN
35"	NH8-35	6	4000W	240V	0181-6472-35-248	4024-16/8R	PLATEN
35"	NH8-35	6	4000W	480V	0181-6472-35-248	4048-16/8R	PLATEN
35"	VARIOUS	6	AB REQUIRED			CUSTOM16/8R	PLATEN

Dalton Electric Process heat precisely delivered.

For more information and a quote please contact us at
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