



FT-N

Multi-Bundle Electric
Thermal Fluid Heaters

20 – 500 kW



EFFICIENCY

UP TO 99%



THE FT-N ELECTRIC THERMAL FLUID HEATER

The highly efficient Fulton N-Model is the perfect fit for facilities seeking zero emissions and long-lasting heaters.

Zero Emissions

The fully electric Fulton N-Model produces zero scope 1 emissions.

Inherent Redundancy

Utilizing a Multi-Bundle design provides inherent redundancy, increasing reliability and reducing downtime.

Prolonged Fluid Life

Low watt density elements and cross element flow reduce film temperatures and fluid degradation rate.



High Efficiency

High grade electric elements paired with superior insulation boast thermal efficiencies up to 99%

High Turn-Down

Multiple element bundles and SCR controls allow for increased modulation and reduced cycling.

Ease of Installation

Vertical heater design offers a small installation footprint. Fully electric means no need for gas lines or costly storage tanks and supply systems required for propane and oil.

SPECIFICATIONS & DIMENSIONS

MODEL	FT-N	0075	0150	0225	0300	0375	0430	0640	0860	1070	1290	1500	1720
Input	KW	22	44	66	88	110	126	189	252	315	378	441	504
	1,000 BTU/HR	75	150	225	300	375	429	644	859	1,074	1,289	1,504	1,719
	1,000 KCAL/HR	18.9	37.8	56.7	75.6	94.5	108	162	216	271	325	379	433
Output	1,000 BTU/HR	74	148	222	294	368	420	631	842	1,053	1,263	1,474	1,685
	1,000 KCAL/HR	18.6	37.3	55.9	74.1	92.7	105.8	159	212.2	265.4	318.3	371.4	424.6
Thermal Fluid Content	Gallons	18	36	42	54	63	79	79	102	127	152	168	185
	Liters	68	136	159	204	238	299	299	386	480	575	636	700
Heater Flow Rate	GPM	50	50	50	90	90	125	125	150	150	175	200	200
	M ³ /HR	11.4	11.4	11.4	20.5	20.5	28.4	28.4	34	34	39.8	45.5	45.5
Dry Weight	lb	1,060	1,220	1,400	1,540	1,660	2,040	2,200	2,370	2,650	2,950	2,950	3,600
	kg	481	555	636	700	756	927	1,000	1,077	1,205	1,341	1,341	1,636
DIMENSIONS													
Heater Width	IN	20	26	28	32	32	32	32	38	44	50	54	58
	MM	508	660	711	813	813	813	813	965	1,118	1,270	1,372	1,473
Overall Depth	IN	37.5	43	43.5	43.5	47.5	47.5	49.2	53.8	58.4	65.7	71.8	75.7
	MM	953	1,092	1,105	1,207	1,207	1,207	1,257	1,365	1,483	1,669	1,823	1,993
Overall Height	IN	70	70	70.5	70	70	90.5	90.4	90.8	89.8	91.2	93	93
	MM	1,778	1,778	1,791	1,778	1,778	2,299	2,296	2,305	2,281	2,317	2,362	2,362

A CLOSER LOOK

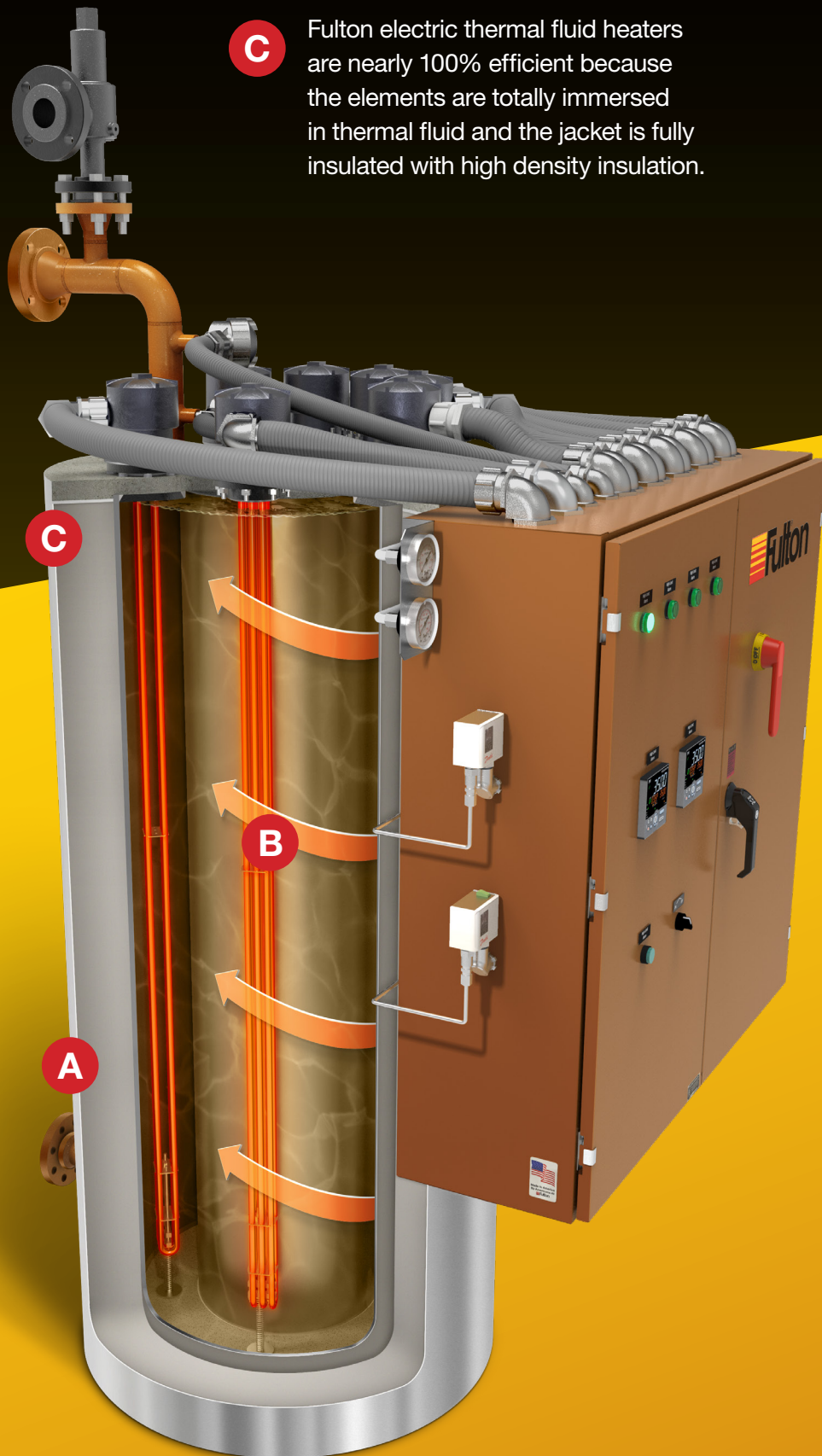
A Thermal fluid enters from a tangential nozzle at the bottom of the heater. This creates unique circulation (upward spiraling fluid), which results in an even flow of thermal fluid within the vessel.

B The thermal fluid flows evenly across the multiple low watt density elements, uniformly heating the thermal fluid. This results in low film temperatures and assures long element life.

C Fulton electric thermal fluid heaters are nearly 100% efficient because the elements are totally immersed in thermal fluid and the jacket is fully insulated with high density insulation.

Key Features

- ▶ Compact Vertical Design
- ▶ Heaters are Built and Tested to ASME Code Section VIII Div. I as standard. ASME Code Section I is available upon request
- ▶ 74,000 BTU/Hr to 1,685,000 BTU/Hr Output
- ▶ Operating Temperatures to 650° F
- ▶ Low Watt Density Elements Result in Low Film Temperatures and Long Element Life
- ▶ Customized Controls Available, Including (but not limited to) Class 1, Division 1 or 2 groups C&D of NEC Code
- ▶ Customized Heaters Available





Engineering a Sustainable Future

Fulton believes we can work towards a better future for everyone with continual investment in heat transfer innovations. This philosophy has resulted in numerous industry firsts and has reduced the environmental impact of our steam boilers, hydronic boilers, and thermal fluid heaters.

Each year, the use of Fulton's high efficiency products reduces CO₂ emissions by tens-of-thousands of metric tons for our customers - that's more than four times the total CO₂ emitted by Fulton's New York manufacturing facilities combined. Fulton's innovative products are the choice to help achieve Net Zero and sustainability goals.



Visit us online to learn more about how Fulton's products and corporate programs are contributing to a more sustainable future.

www.fulton.com/sustainability



Call: (315) 298-5121

972 Centerville Road
Pulaski, NY 13142

Celebrating
75
YEARS
1949-2024

www.fulton.com/thermal



FT-N_BROCHURE_231114