Fulton®

HOPKINS

HORIZONTAL COIL DESIGN
THERMAL FLUID HEATERS

1 MM - 40 MM BTU/HR

SPECIFICATIONS AND DIMENSIONS

Models	HPN	100S	200S	350S	600S	800S	1000S	1200S	1400S	1600S	2000S	2400S	3000S	4000S
Specifications														
Heat Output	Million BTU/hr	1	2	3.5	6	8	10	12	14	16	20	24	30	40
Flow Rate-Standard *1	GPM	75	150	265	425	600	725	900	1050	1200	1500	1800	2250	3000
Flow Rate-Low Flow *2	GPM	40	75	135	225	300	375	450	525	600	750	900	1125	1500
Circulating Pump Motor - STD	HP	7.5	15	20	30	40	50	60	75	100	100	125	150	200
Circulating Pump Motor - LF	HP	7.5	7.5	15	20	30	30	40	30	40	50	60	75	100
Blower Motor	HP	1/3	1	2	7.5	10	10	5	7.5	7.5	15	20	25	30
Light Oil (approx. fuel usage)*3	GPH	8.8	17.5	30.6	52.5	70	87.5	104.9	122.4	139.9	174.9	209.8	262.3	349.7
Natural Gas (approx. fuel usage)*3	FT3/hr	1,334	2,667	4,667	8,000	10,667	13,334	16,000	18,667	21,334	26,667	32,000	40,000	53,334
Pressure Drop - STD	PSI	10	23	11	16	16	13	16	10	15	14	15	9	21
Pressure Drop - LF	PSI	15	19	11	14	15	18	14	11	15	20	14	12	17
Dimensions														
Overall Height (w/o Stack)	IN	51	60	62	82	82	105	105	106	106	125	133	133	142
Overall Width	IN	42	50	50	74	93	87	103	110	110	123	130	130	142
Overall Length	IN	115	152	211	231	302	311	360	408	444	450	550	575	648
Inlet/Outlet Connections	IN	2	3	3	4	6	6	8	8	8	10	12	12	12
Thermal Liquid Volume	GAL	45	86	168	426	661	724	853	1168	1400	1721	2322	3180	4626
Approx. Dry Weight	LBS	3,936	6,800	9,052	14,350	18,500	23,100	26,800	30,500	32,600	41,400	68,000	74,000	80,000
Approx. Flooded Weight	LBS	4,310	7,514	10,447	17,886	23,987	29,110	33,880	40,195	44,220	55,685	87,273	100,394	118,396
Floor Loading	LB/FT3	129	143	143	151	123	155	132	129	131	145	176	194	186

NOTE: Dimensions shown are for the Hopkins model without the integral expansion tank.

*1 Standard flow rate yields a heater temperature rise of 55° Fahrenheit
*2 Low flow rate models yield a heater temperature rise of 110° Fahrenheit
*3 Fuel usages are approximate estimates and will vary by location, fuel quality, and operating condition

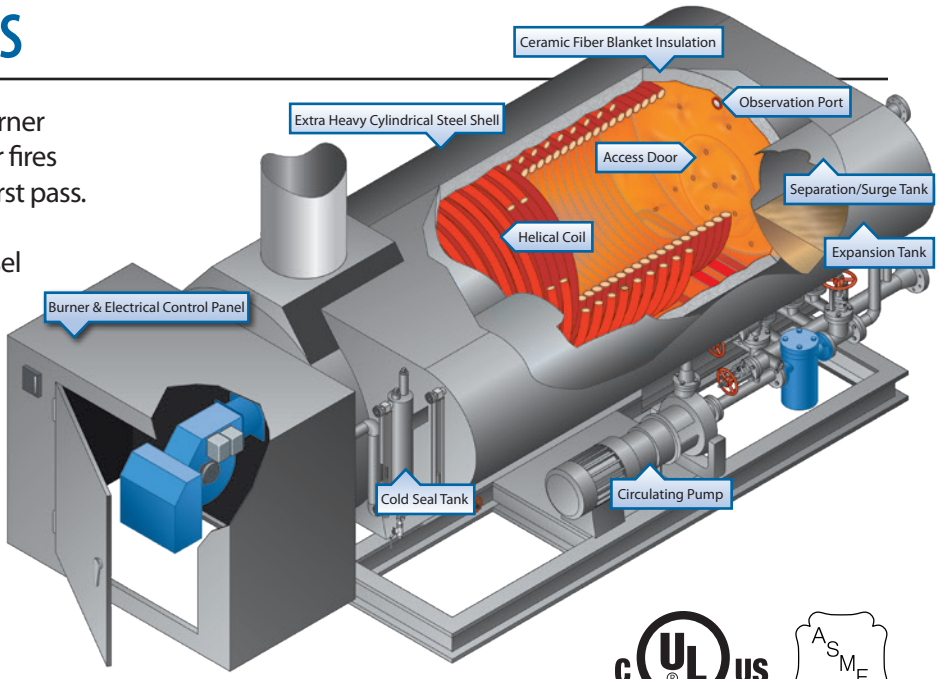
Specifications and Dimensions are approximate. Consult factory for model specific electrical requirements. We reserve the right to change specifications and/or dimensions without notice. Diagram for guidance purposes only. Comprehensive details of dimensions, connections, etc. for each model are given on product dimension data sheets available from Fulton.

THE COMBUSTION PROCESS

1 Air and fuel mix in the open protocol burner located at the front of the heater. The burner fires down the center of the vessel forming the first pass.

2 The hot gases turn at the rear of the vessel and return between two rolls of coils to the front end plate, forming the second pass.

3 The hot gases then flow along the outside of the coils to the back of the heater, forming the third pass. The gasses then exit out the flue.



Fulton®

Fulton Thermal Corporation
972 Centerville Road
Pulaski, NY 13142
(315) 298-5121

Printed in the U.S.A
HOPKINS_BRO_2018-0227

Learn more about Fulton products and services online at:
www.fulton.com