

Specifications - Coil Design Thermal Fluid Heater

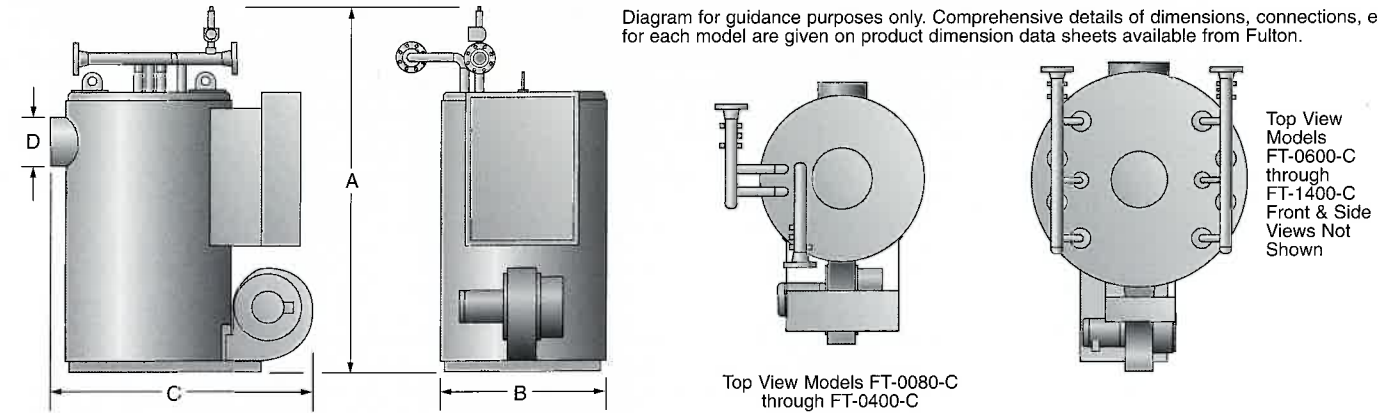
Model FT-C		0080	0120	0160	0240	0320	0400	0600	0800	1000	1200	1400
Heat Output	1000 BTU/HR	800	1200	1600	2400	3200	4000	6000	8000	10000	12000	14000
	1000 KCAL/HR	200	300	400	600	800	1000	1500	2000	2500	3000	3500
Thermal Fluid Content	GAL	10	21	19	31	68	76	132	171	290	383	460
	LITERS	38	80	72	116	258	288	500	648	1097	1450	1741
Recommended Flow Rate	GPM	50	75	100	150	250	250	375	500	615	730	800
Typical Circulating Pump Motor	HP	7.5	10	10	15	20	20	30	40	50	50	60
Typical Burner Motor	KW	5.6	7.5	7.5	11.2	14.9	14.9	22.4	29.8	37.3	37.3	45
Fuel Consumption @ Full Output	GP/HR	7.1	10.7	14.3	21.4	28	35.3	53	69.7	87.1	104.5	122
	LITER/HR	27	40.6	54.1	81	108.8	136	201	263.7	329.6	395.5	461.5
Natural Gas	FT3/HR	998	1498	1998	2999	4000	4997	7498	9997	12496	14998	17500
	M3/HR	28.3	42.4	56.5	84.9	113.2	141.5	212.3	283	353.8	424.6	495.5

- Voltage 3 Phase for Burner and Pump - Each unit has an incorporated stepdown transformer.
- Fuel up to No. 6 Oil Available for Large Units.
- Efficiency up to 80% Minimum Based on High Heating Value of the Fuel (No. 2 Oil @ 140,000 BTU/GHHV; Natural Gas @ 1000 BTU/ft³HHV).
- Modulation 3 to 1 Turn Down Ratio. Optional on FT-0080, 0120, and 0160 - Standard on all others.
- Circulating pump motor sizes based on standard pressure (55 PSIG) and viscosity 1 cs, specific gravity 0.7, with 25-37 PSID available head for installation.

Dimensions - Coil Design Thermal Fluid Heater

Model FT-C		0080	0120	0160	0240	0320	0400	0600	0800	1000	1200	1400
Heater Inlet/Outlet Connections	IN	1.25	1.5	2	2.50	3	3	4	4	6	6	6
(A) Overall Height	MM	32	51	50	65	80	80	100	100	150	150	150
(B) Heater Diameter	IN	60	76	76	86	101	108	139	139	143.5	144	163
	MM	1524	1930	1930	2184	2559	2793	3531	3531	3645	3658	4144
(C) Overall Depth	IN	25	34	34	40	49	49	57	71	90	108	108
	MM	635	865	865	1015	1252	1245	1450	1805	2285	2745	2746
(D) Flue Outlet Diameter	IN	41	56	56	62	80	70	79	103	130	148.5	153
	MM	965	1422	1422	1525	2030	1780	2007	2615	3302	3772	3894
Recommended Vertical Stack Diameter	IN	10	10	10	12	14	14	18	20	20	22	22
Approx. Dry Weight	MM	254	254	254	304	356	356	457	508	508	558	558
	IN	10	12	12	14	18	18	22	24	24	26	26
Approx. Dry Weight	MM	254	304	304	356	457	457	558	609	609	661	661
	LB	1,500	2,100	2,550	3,400	5,300	5,300	8,250	11,450	19,250	21,700	23,000
	KG	680	953	1,150	1,550	2,400	2,400	3,750	5,200	8,750	9,850	10,455

Diagram for guidance purposes only. Comprehensive details of dimensions, connections, etc. for each model are given on product dimension data sheets available from Fulton.

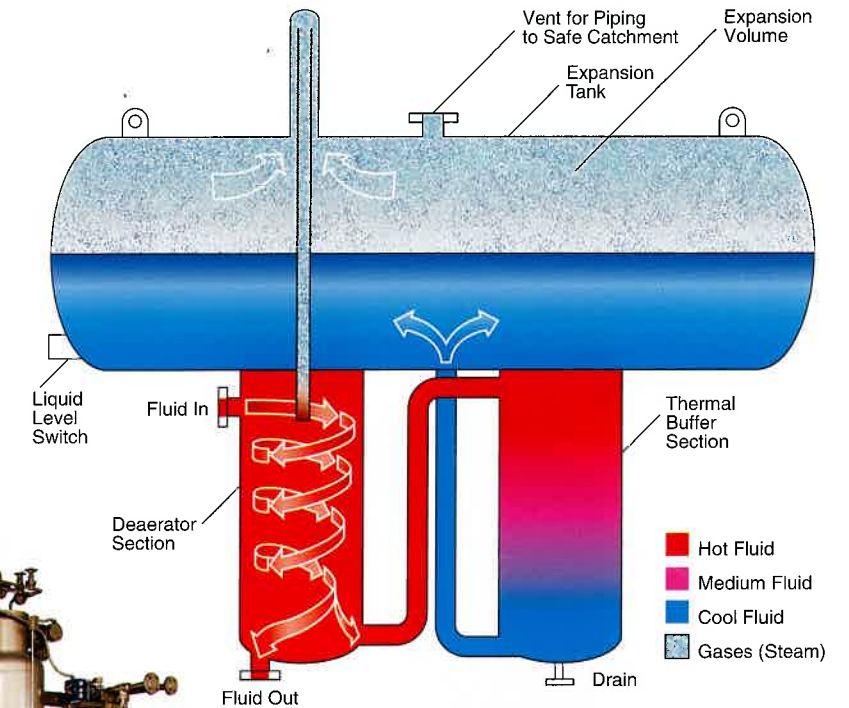


Fulton's Expansion, Deaeration, and Thermal Buffering System

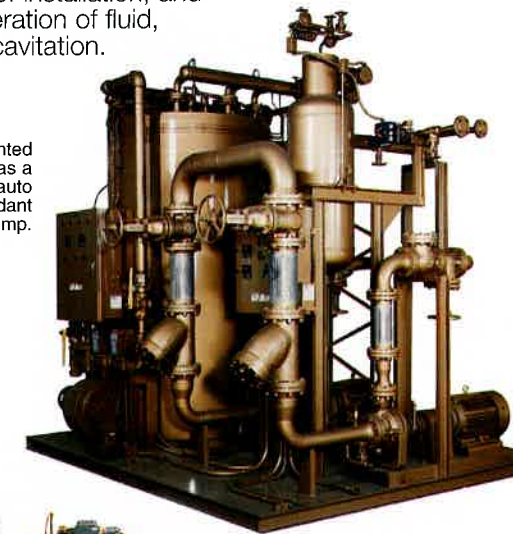
Fulton's patented deaerator cold seal expansion tank is designed to work as an open system where applicable, eliminating the expense of purging the system with inert gases. The Fulton deaerator expels steam and any other non-condensibles out to a safe catchment and prevents hot thermal fluid from oxidizing by allowing only cool thermal fluid to come in contact with the outside air. This is done by utilizing three separate components incorporated into one combined tank.

The unique combination of the operation of these three vessels in one results in numerous advantages including: pipework simplification, protection of thermal fluid from oxidation, ease of installation, and continuous deaeration of fluid, avoiding pump cavitation.

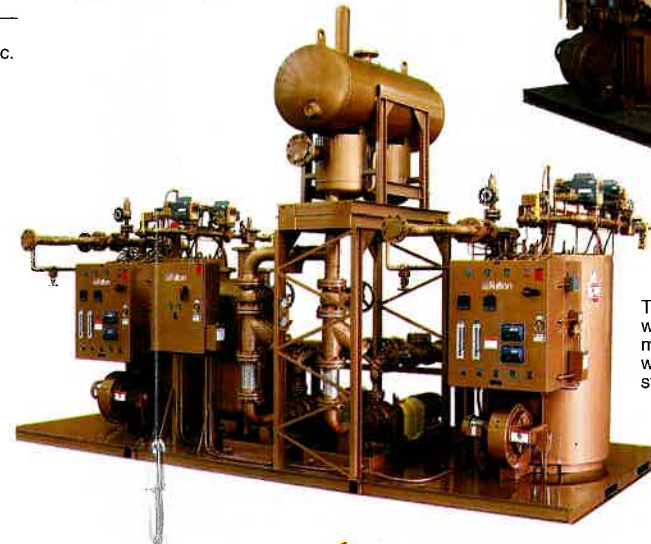
Fulton's Patented Combination Expansion Deaeration/Thermal Buffer Tank



This skid mounted FT-0600-C has a deaerator with auto vent and redundant circulating pump.



This skid features two FT-0240-C heaters with circulating pumps, DA tank and skid mounted catch tank. Use in conjunction with unfired steam generators to provide steam for autoclave sterilization.



Fulton Heaters Are Used In Many Varied Applications

- Autoclaves
- Chemical Reactors
- Deodorizing
- Distillation
- Food Processing (Frying, Baking, etc.)
- Laundry
- Marine Liquid Cargo Heating and Shipboard Services
- Metal Finishing
- Ovens
- Paint and Varnish Manufacture
- Paper Converting Machinery
- Plastics
- Printing and Packaging Machinery
- Surface Pretreatment and Finishing
- Tank Farms/Pipe and Pump Tracing
- Textile Machinery
- Unfired Steam Raising and Water Heating
- Laminating

