



SteamPac & WaterPac

Unfired Steam & Hot Water
Generators



► For use in Thermal Fluid (Hot Oil) Systems

WaterPac

UNFIRED HOT WATER GENERATOR

200,000 – 14 Million BTU/hr

Use WaterPac wherever additional potable hot water is required in laundry or industrial process heating applications. It can be installed alongside existing thermal fluid systems, eliminating the need for a separate fired water heater. Every SteamPac is designed to meet customers' unique applications and can provide instantaneous hot water or maintain storage tank temperature.

- ▶ Automatic temperature control
- ▶ No need for stack / additional fuel hookup
- ▶ All water-side surfaces stainless / carbon steel
- ▶ Vertical and horizontal designs available
- ▶ Minimal maintenance



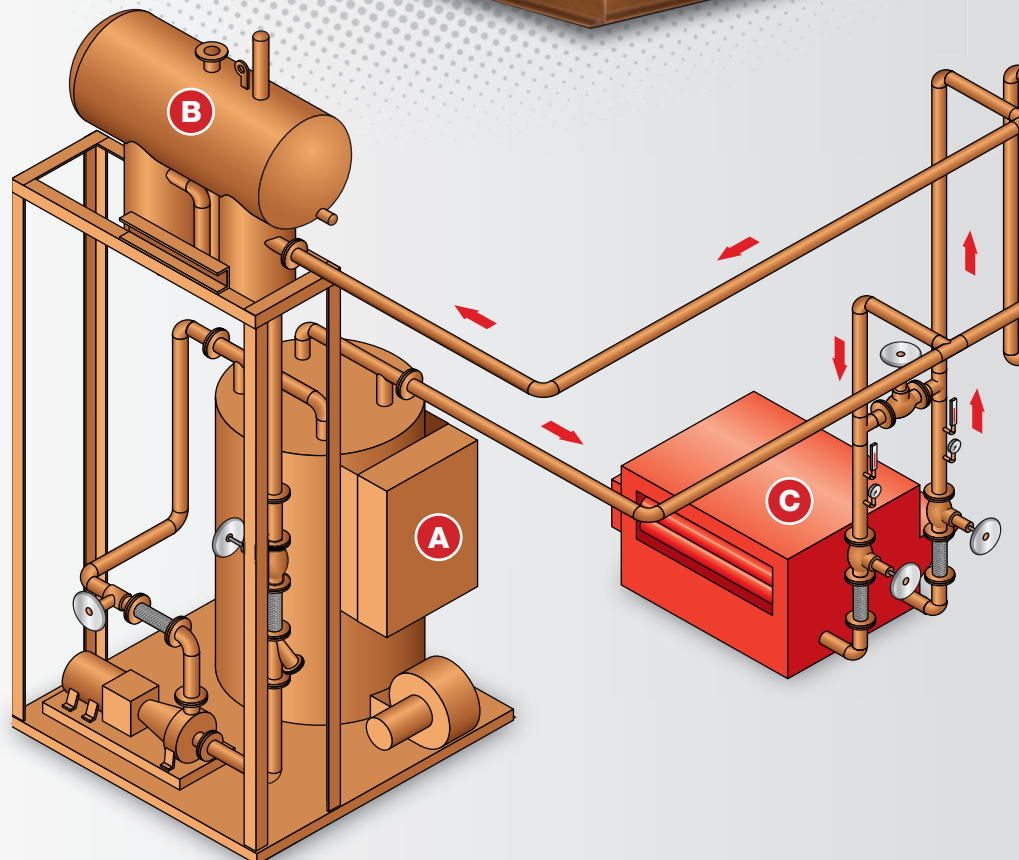
A Fulton Thermal Fluid Heater for temperatures up to 750°F

B Fulton patented combination tank (expansion, deaerator, and thermal buffer)

C Users (single or multiple) can be designed into a thermal fluid system. Autoclaves, fryers, reactors, ironers, ovens, open baths, calender roll equipment, platens, presses, or anywhere process heat, steam, and hot water is used.

D Fulton WaterPac unfired hot water generators (vertical or horizontal)

E Fulton SteamPac unfired steam generators (vertical or horizontal)



SteamPac

UNFIRED STEAM GENERATOR

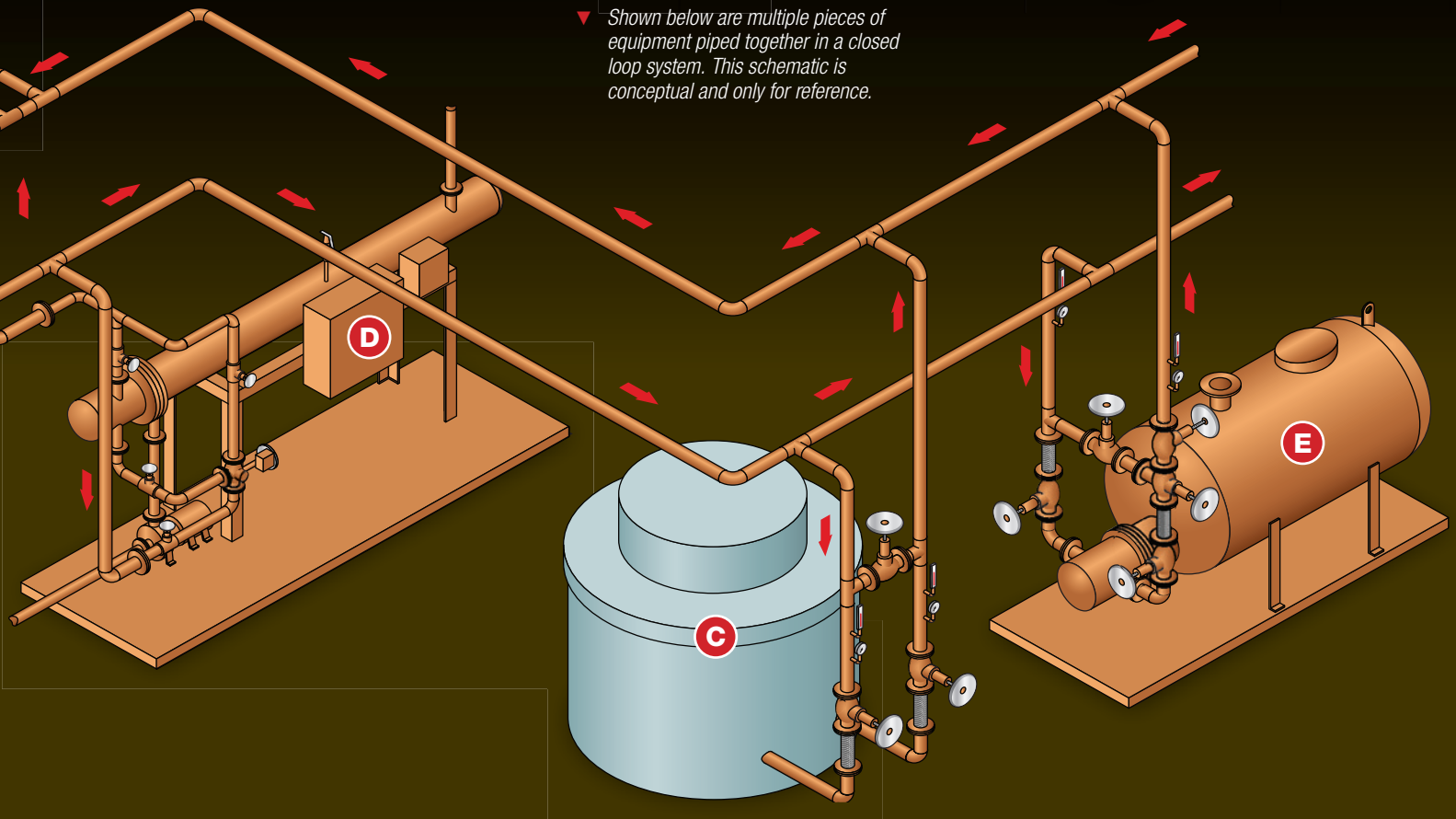
10 – 415 HP

Available in horizontal and vertical configurations, SteamPac responds quickly to process demands, providing full steam rapidly from startup thanks to its low thermal inertia. No costly fuel hookups or stack are required, reducing installation costs. SteamPac is an unfired pressure vessel, potentially eliminating the need for a stationary attendant. SteamPac units will not be harmed if the system runs dry, delivering simple, safe, and quiet operation.

- ▶ Steam pressure from 15 – 300 PSIG
- ▶ Produces dry steam – up to 99.5%
- ▶ Clean steam systems available
- ▶ Wide modulation range (30:1)
- ▶ Fully automatic operation



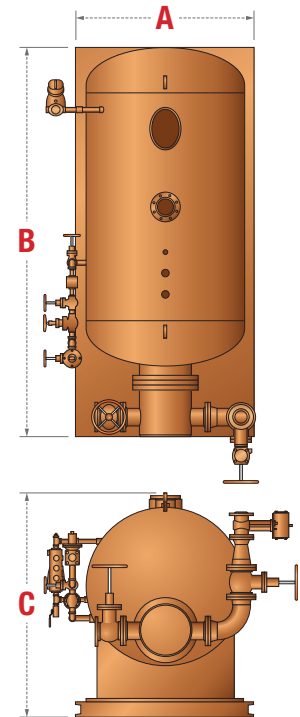
▼ Shown below are multiple pieces of equipment piped together in a closed loop system. This schematic is conceptual and only for reference.



SPECIFICATIONS & DIMENSIONS

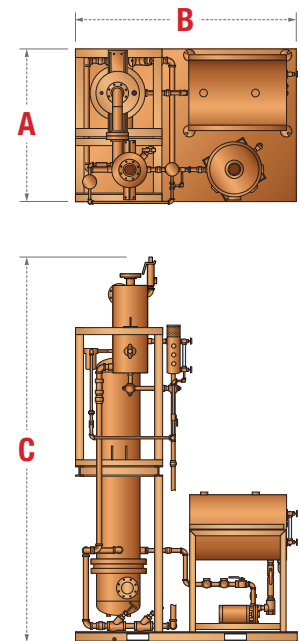
Horizontal SteamPacs (70 – 415 HP)

MODEL	FT-	070XH	100XH	150XH	180XH	200XH	250XH	300XH	350XH	415XH
SPECIFICATIONS										
Steam Output*	LB/HR	2,415	3,450	5,175	6,210	6,900	8,625	10,350	12,075	14,392
	KG/HR	1,096	1,565	2,347	2,817	3,130	3,912	4,695	5,477	6,528
Input	1000 BTU/HR	2,343	3,347	5,021	6,025	6,694	8,368	10,041	11,715	13,891
	1000 KCAL/HR	590	843	1,265	1,518	1,687	2,108	2,530	2,952	3,500
Flow Rate	GPM	160	228	342	411	456	570	684	798	946
	M3/HR	37	52	78	94	104	130	156	182	215
DIMENSIONS										
(A) Width	IN	42	48	48	48	60	60	60	60	60
	MM	1,067	1,219	1,219	1,219	1,524	1,524	1,524	1,524	1,524
(B) Length	IN	108	144	144	144	150	150	160	160	160
	MM	2,743	3,658	3,658	3,658	3,810	3,810	4,064	4,064	4,064
(C) Height	IN	84	98	98	98	98	98	98	98	98
	MM	2,134	2,489	2,489	2,489	2,489	2,489	2,489	2,489	2,489



Vertical SteamPacs (10 – 100 HP)

MODEL	FT-	010X	015X	020X	030X	040X	050X	075X	100X
SPECIFICATIONS									
Steam Output*	LB/HR	345	517	690	1,035	1,380	1,725	2,587	3,450
	KG/HR	157	235	313	470	626	783	1,174	1,565
Input	1000 BTU/HR	335	502	669	1,017	1,339	1,674	2,678	3,347
	1000 KCAL/HR	84	126	169	256	337	422	675	843
Flow Rate	GPM	23	35	46	69	92	114	171	228
	M3/HR	5.2	8	10.5	16	21	26	39	52
DIMENSIONS									
(A) Width	IN	84	72	92	92	92	92	92	92
	MM	2,134	1,829	2,337	2,337	2,337	2,337	2,337	2,337
(B) Length	IN	72	84	72	72	72	72	92	92
	MM	1,829	2,134	1,829	1,829	1,829	1,829	2,337	2,337
(C) Height	IN	125	125	125	125	143	143	169	169
	MM	3,175	3,175	3,175	3,175	3,632	3,632	4,293	4,293



*From 0 psig and at 212°F (100°C). Steam Output is based on a minimum thermal fluid temperature of 550°F (288°C)

NOTE: All dimensions based on 550°F thermal fluid and are subject to change based on customer requirements. Vertical SteamPac dimensions include feedwater tank and blowdown separator. WaterPac specifications and dimensions are highly customized; please contact Fulton for more information.



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Drawings & documentation available online

STEAMPAC-WATERPAC_BROCHURE-251204

