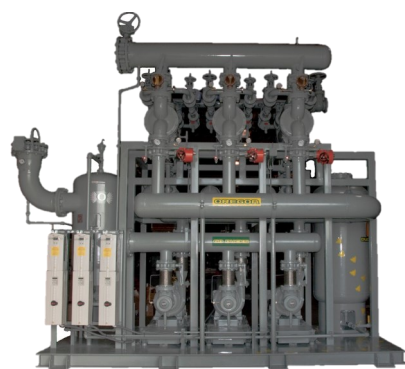




Ask us about Standard Pressure Boosters or Custom Packages



Heat Transfer Package



SlimLine Pressure Booster



Specialty Systems



Domestic
Hot Water
System

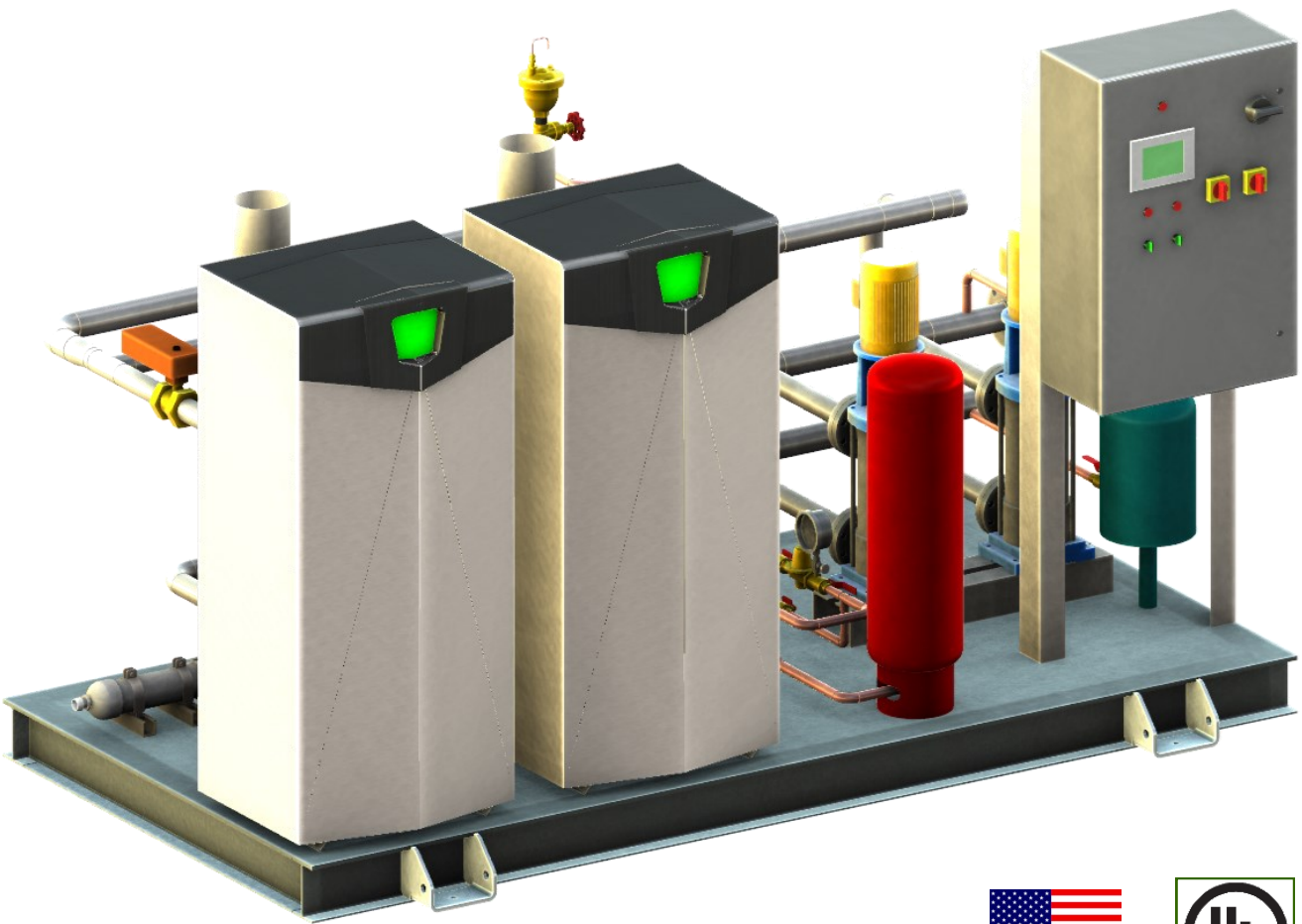


FlowTherm systems is a division of CHC
2293 Tripaldi Way, Hayward, CA 94545 510-293-1993
www.chchydraulics.com

FT - FTTHB1 - R8



FT Hydronic Heating Module



Made in America



FlowTherm systems has been designing and manufacturing packaged hydronic heating and cooling systems for over 35 years with a focus on quality, reliability, and customer service. Our pre-engineered, modular hydronic packages provide a turnkey solution for engineers and contractors.

All FlowTherm systems packages are built to industry standards by experienced pipefitters welders and fabricators in our west coast manufacturing facility.

HHM-C Hydronic Heating Modules features & benefits:

- Indoor rated condensing boilers with variable system pumps
- 100% capacity rated system pumps
- Variable Primary and optional variable primary/variable secondary pump control
- Structural steel frame with full coverage plate steel deck
 - Includes lifting and anchor points
 - Seismic spring isolator ready (anchorage calculations not included)
- Master/member boiler sequencing control system
- Reverse layout option
- System air separator and auto air vent
- System thermal expansion tank
- System chemical pot feeder

System Integration Panel (SIP) includes:

- HMI with 6” color touch screen
- NEMA 1 or NEMA 3R enclosure
- Three phase single point power
- VFD with individual disconnect for each system pump
- Wire-to-Water Power Optimization staging of secondary pumps
- BACnet BMS interface
- System Integration Panel for External Control (SIP-E) includes:
 - All of the above except for the HMI

Technical Data

HHM Model	MBH		Efficiency	GPM ¹	TDH	FLA ²	Frame	Water Conn.	Weight ³
	Input	Output		30°ΔT	Ft.	460V/230V/208V		Inch Pipe	Lbs.
CS400FT	399	392	98%	26	65	4.2 / 7.4 / 8.1	A	1.5	2545
CS500FT	500	489	97.7%	32	65	4.6 / 8.2 / 9.0	A	2	2610
CS600FT	600	585	97.5%	39	65	4.6 / 8.2 / 9.0	A	2	2675
CS725FT	725	705	97.2%	47	65	5.4 / 9.8 / 10.8	A	2.5	2730
CS850FT	850	825	97%	55	65	5.4 / 9.8 / 10.8	A	2.5	2760
CD800FT	798	784	98%	52	65	9.8 / 18.6 / 20.5	D	2.5	3910
CD1000FT	1,000	978	97.7%	65	65	11.4 / 21.8 / 24.0	D	2.5	3980
CD1200FT	1,200	1,170	97.5%	78	65	16.8 / 32.6 / 36.0	D	2.5	4135
CD1450FT	1,450	1,410	97.2%	94	65	16.8 / 32.6 / 36.0	D	3	4270
CD1700FT	1,700	1,650	97%	110	65	16.8 / 32.6 / 36.0	D	3	4325

¹ Flow at a particular ΔT can be found by calculating GPM = BTU / [500 · ΔT]

² Full load amperages are calculated assuming 3 phase incoming power

³ Operating weight

Part Numbering

2 FT 850 VP - 2 - 11 - 460 - I - 0

Number of Boilers

Lochinvar FTXL

Boiler MBH Input

Variable Primary Only

Number of System Pumps

Expansion Tank Acceptance Volume (gallons)

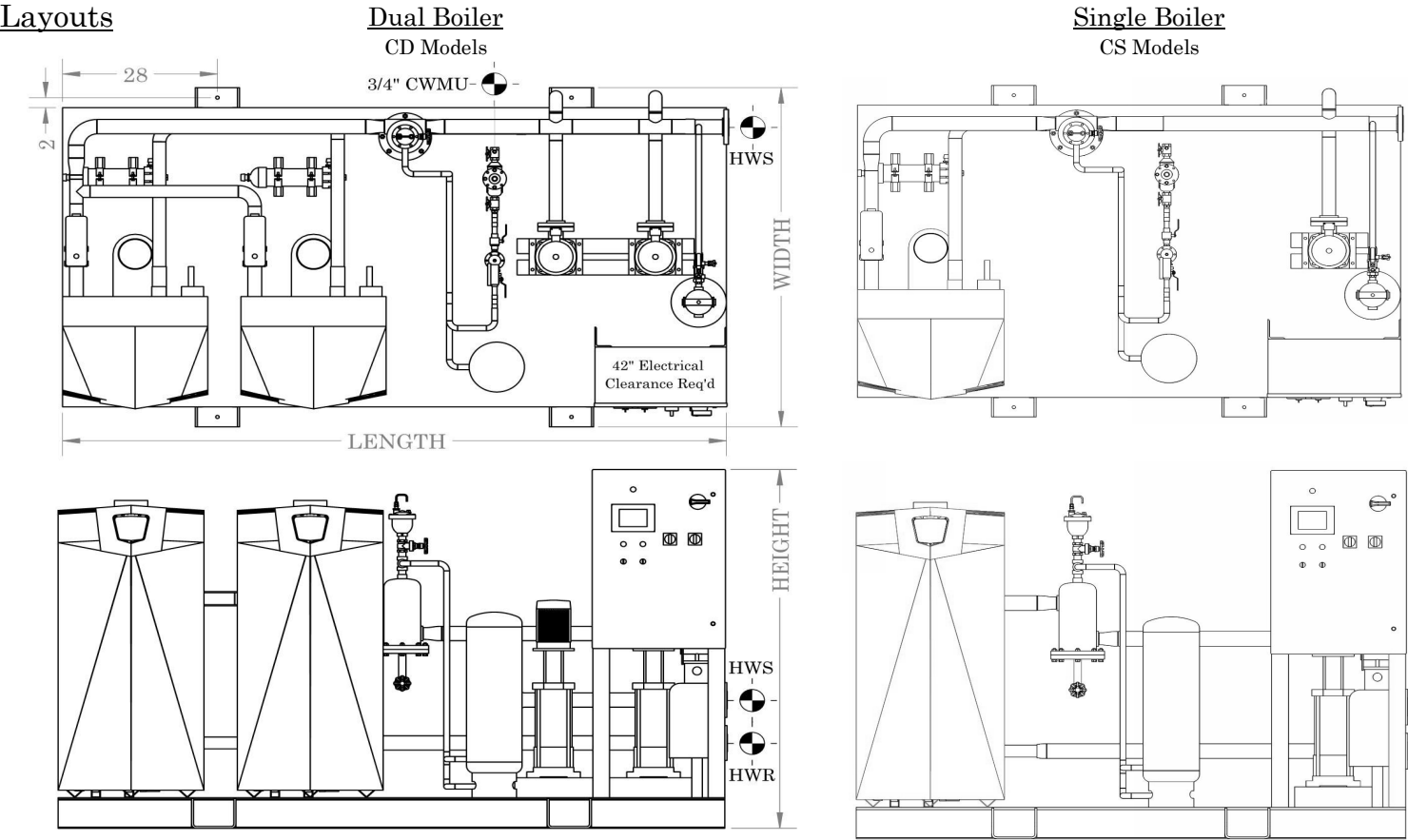
Voltage (3Ø)

I- Indoor
O- Outdoor

Special Options

Part Number Example:
HHM CD1700FT = 2FT850VP-2-11-460-I-0

Layouts



- Boiler venting to be provided and installed by contractor.
- Gas piping to be provided and installed by contractor.
- Condensate drain piping to be provided and installed by contractor.

Frame Dimensions

Frame Size	Length	Width	Max Height
A	9'	5' 8"	6'
B	9'	6' 8"	6'
C	9'	7' 8"	6'

Frame Size	Length	Width	Max Height
D	12'	5' 8"	6'
E	12'	6' 8"	6'
F	12'	7' 8"	6'

Piping & Instrumentation Diagram

