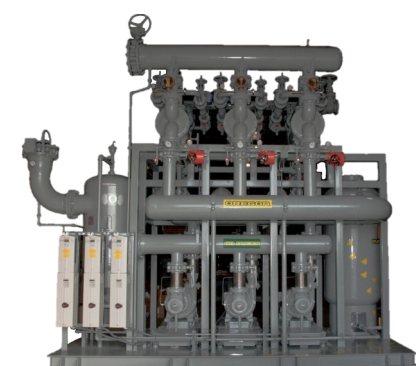




Ask us about Standard Pressure Boosters or Custom Packages



Heat Transfer Package



SlimLine Pressure Booster



Specialty Systems



Domestic
Hot Water
System

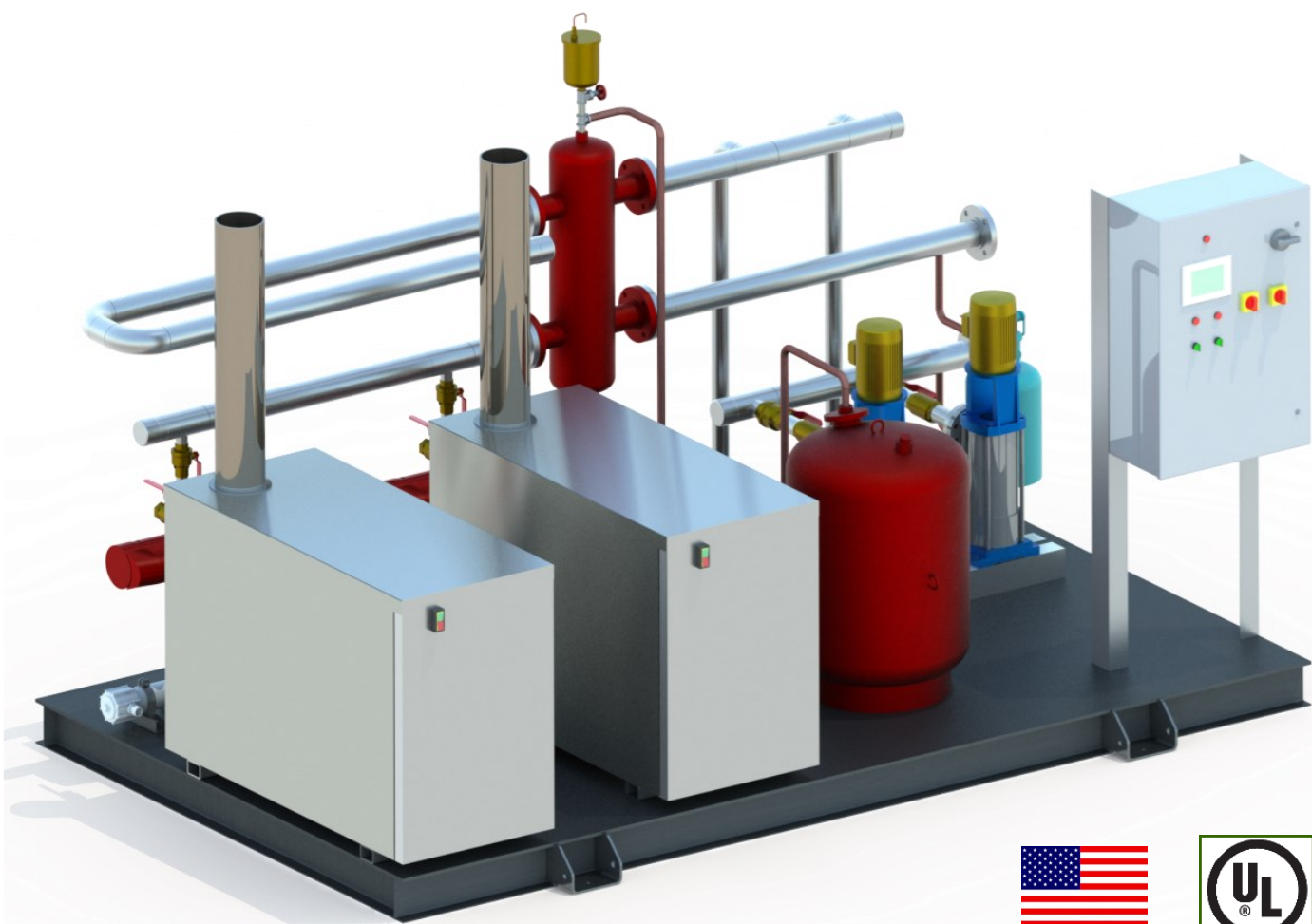


FlowTherm systems is a division of CHC
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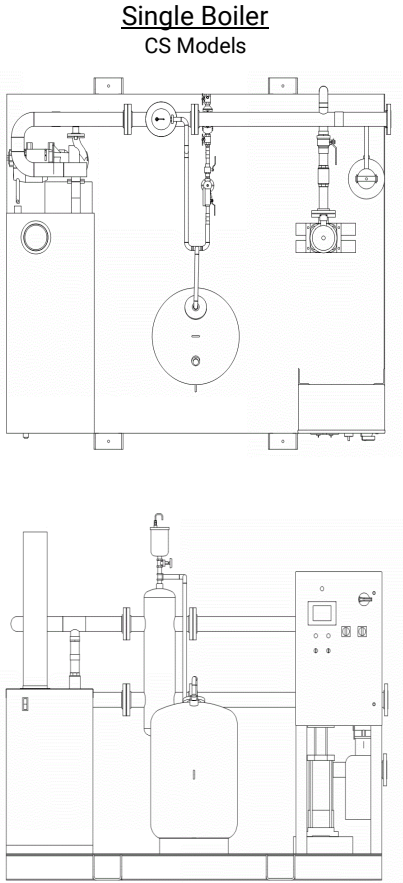
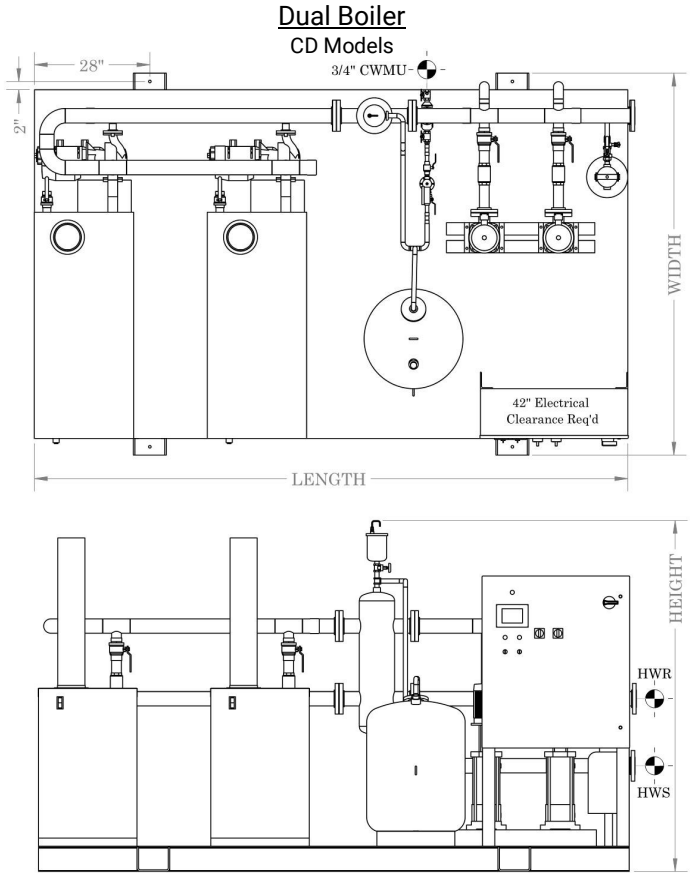
NT Hydronic Heating Module



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.

Layouts



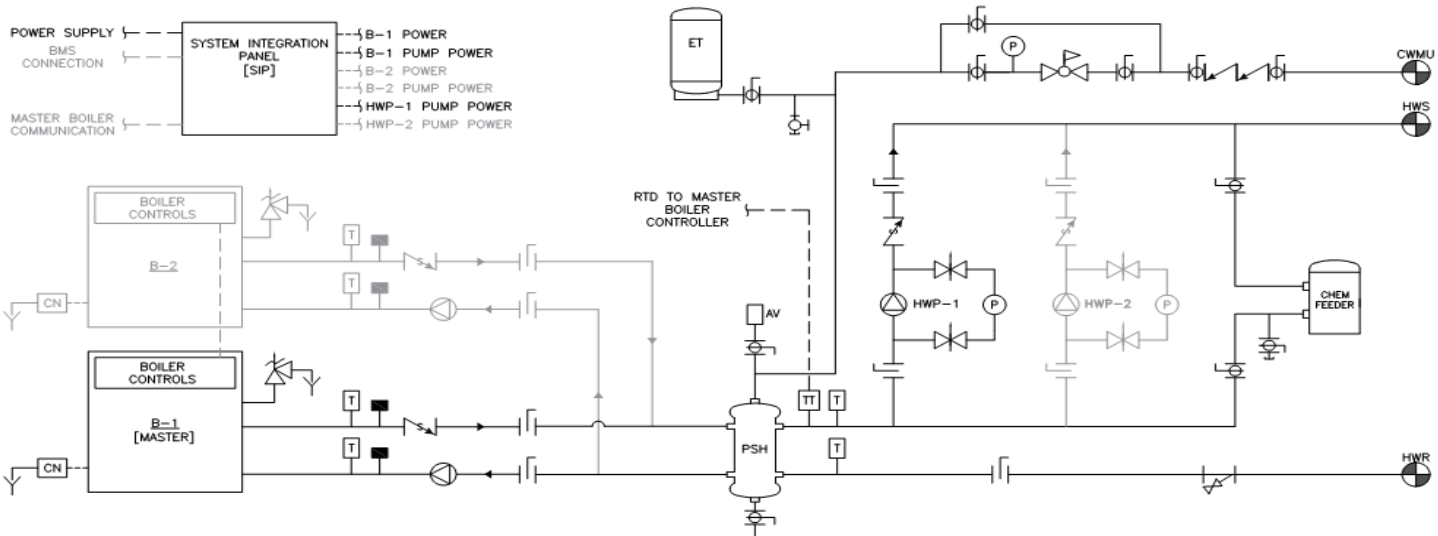
- 1. Boiler venting to be provided and installed by contractor.
- 2. Gas piping to be provided and installed by contractor.
- 3. Condensate drain piping to be provided and installed by contractor.

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



HHM-C Hydronic Heating Modules provide the following features and benefits:

- Indoor and outdoor 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:

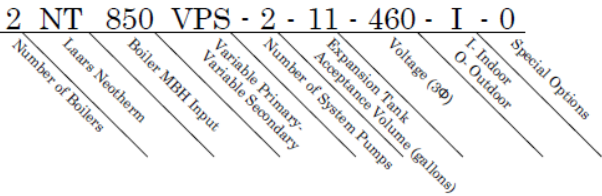
- HMI with 6" color touch screen
- NEMA 1 or NEMA 3R enclosure
- Three phase single point power
- VFD with individual disconnect for each system pump
- Wire-to-Water Power Optimization staging of secondary pumps
- BACnet BMS interface
- System Integration Panel for External Control (SIP-E) includes:
 - 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		NPT	Lbs.
CS150NT	150	138	95%	10	65	2.8 / 4.5 / 4.9	A	1	2305
CS210NT	210	194	95%	13	65	2.8 / 4.5 / 4.9	A	1.25	2335
CS285NT	285	264	95%	18	65	3.2 / 5.3 / 5.8	A	1.25	2385
CS399NT	399	386	96.5%	28	65	3.7 / 6.4 / 6.9	A	1.5	2470
CS500NT	500	475	95%	32	65	4.1 / 7.2 / 7.8	B	2	2835
CS600NT	600	572	95.3%	38	65	4.1 / 7.2 / 7.8	B	2	2880
CS750NT	750	724	96.5%	48	65	4.9 / 8.8 / 9.6	C	2.5	3140
CS850NT	850	813	95.7%	54	65	4.9 / 8.8 / 9.6	C	2.5	3165
CD300NT	300	276	95%	20	65	5.3 / 9.6 / 10.5	D	1.25	3380
CD420NT	420	388	95%	26	65	5.3 / 9.6 / 10.5	D	1.5	3510
CD570NT	570	528	95%	36	65	6.1 / 11.2 / 12.3	D	2	3725
CD799NT	798	772	96.5%	50	65	8.8 / 16.5 / 18.2	D	2.5	3780
CD1000NT	1,000	950	95%	64	65	10.4 / 19.7 / 21.7	E	2.5	4260
CD1200NT	1,200	1,144	95.3%	76	65	15.8 / 30.5 / 33.6	E	2.5	4450
CD1500NT	1,500	1,448	96.6%	96	65	15.8 / 30.5 / 33.6	F	3	4685
CD1700NT	1,700	1,626	95.7%	108	65	15.8 / 30.5 / 33.6	F	3	4735

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



Part Number Example:

HHM CD1700NT = 2NT850VPS-2-11-460-I-0