GD Hot Water Unit

Description

The Hot Water Unit is a compact modular frame unit to provide hot water for various applications with different temperatures.

The Hot Water Unit consists of a water- and steam-regulating system with a PHE for water heating.

It is completely assembled with water pumps, condensate pump, valves and all necessary piping.

Application

The Hot Water Unit contains a main water cycle to feed the first water cycle and up to three additional water loops, each with circulating pump and temperature regulation.

The nominal capacity due to heat of the main cycle is 800,000 BTU/HR. The heat capacity of the secondary loops depends on the application. The working pressure of the main water loop is 20 psi.

Materials

Water contacting parts are made in stainless steel AISI 304.

Options

Water circulation pump in the secondary loops are also available with 110 GPM.

Integration

The main cycle has a high heat capacity, so the Hot Water Unit in very flexible in use and can be customized in an optional way. The secondary loops depend on customer requirements and can be flexibly used until the maximum heating capacity of the main cycle is reached.

Technical specifications

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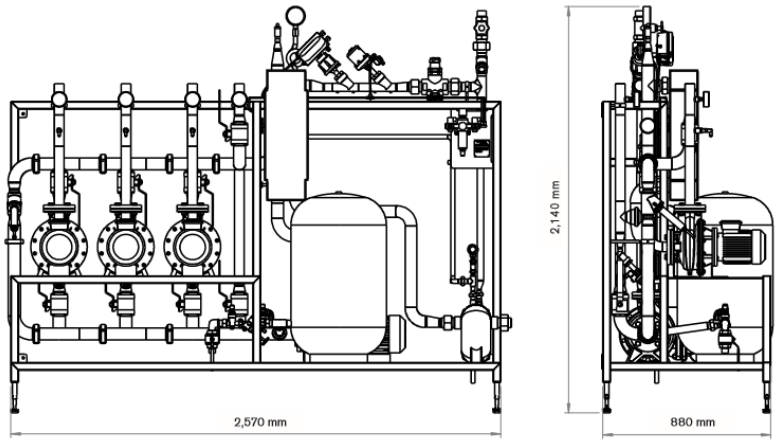
GD HW UNIT	GDHW-1	GDHW-2	GDHW-3	GDHW-4
HEAT CAPACITY [BTU/HR]	800,000	800,000	800,000	800,000
TEMPERATURE LOOPS	1	2	3	4
MAX. TEMPERATURES [°F]	140-200	140-200	140-200	140-200
STEAM FLOW AT 50 PSI [LBS/HR]	414	414	414	414
MAIN PUMP - MOTOR [HP]	3	3	3	3
MAIN PUMP - FLOW RATE [GPM]	125	125	125	125
MAIN PUMP - MAX. WORKING PRESSURE [PSI]	20	20	20	20
PUMP OPTION FOR SECONDARY LOOPS - MOTOR [HP]		2	2	2
PUMP OPTION FOR SECONDARY LOOPS - FLOW RATE [GPM]		50-100	50-100	50-100
PUMP OPTION FOR SECONDARY LOOPS - MAX. WORKING PRESSURE [PSI]		2	2	2
LOOP CONNECTION [INCH]	2” TC	2” TC	2” TC	2” TC
DIMENSION WxLxH [INCH]*	35x60x80	35x70x80	35x80x80	35x100x80
MACHINE WEIGHT [LBS]	600	800	950	1100

** APPROXIMATELY*



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