

HEATFLO

HEAT TRANSFER SYSTEMS



ENERGY SAVER

HEATFLO HEAT TRANSFER SYSTEMS FOR INSTANTANEOUS HOT WATER SUPPLY

Heatflo heat transfer systems with plate heat exchanger for optimum heat transfer efficiency in the production of non-storage responsive hot water. Primary and secondary liquids counter-flowing through alternative pairs of plates, allow the heat from the primary energy source to efficiently transfer to the secondary water supply.

CONSTRUCTION

- Stainless steel, plate heat exchanger, plates are housed within a frame that allows the number of plates to be altered; increased or reduced in accordance with the system performance requirements.
- Proportional controller with temperature sensor and four-way motorised valve to control the primary energy flow.
- High temperature secondary water limit thermostat.
- Single or Twin primary circulating pumpset.
- Optional secondary hot water return circulator.
- Custom controls option.
- High heat transfer coefficient.
- Compact construction - low maintenance.
- Reduced bacterial risks.

DESIGN CONSIDERATIONS

TYPE CODE	HS	HD
Single primary pump	●	
Twin duty-standby primary pump		●
Primary pump auto-changeover		●
Secondary return circulator	○	○
Integral automatic controller	●	●
Day-night control	○	○
Remote BMS enable	●	●
Common alarm terminals	●	●
APPLICATIONS		
Hot water supply	●	●
Buffer storage vessel	○	○
High temperature hot water primary	○	○
Steam-water system	○	○
Swimming pool system	○	○

● Standard ○ Optional



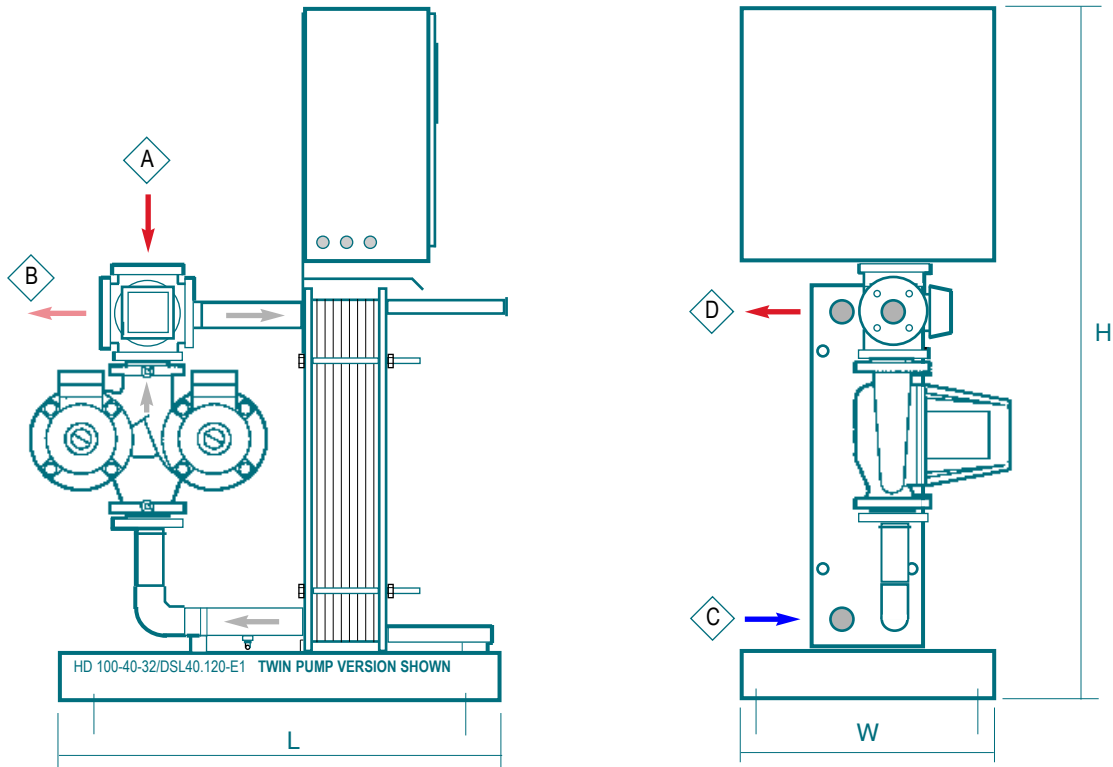
HTHW Heatflo System

FLUID
a

for better fluid handling

HEATFLO

HEAT TRANSFER SYSTEMS



DIMENSIONS & DATA

MODEL	SECONDARY FLOW - L/s 10 - 60 °C	SECONDARY HEAD LOSS kPa	PRIMARY FLOW - L/s AT 82 °C	HEAT LOAD kW	DIMENSIONS in mm's			DRY WEIGHT kg	
					W	L	H	HS	HD
H 025	0.25	9	0.5	52	420	640	1250	120	130
H 050	0.5	10	1.0	105	420	640	1250	125	135
H 075	0.75	8	1.2	157	420	640	1250	135	140
H 100	1.0	9	1.6	209	450	800	1250	170	180
H 150	1.5	16	2.4	313	450	800	1250	180	190
H 200	2.0	15	3.1	418	450	1000	1530	280	305
H 250	2.5	16	3.9	522	450	1000	1530	290	315
H 300	3.0	16	4.7	627	450	1000	1530	300	325
H 350	3.5	15	5.5	732	450	1000	1750	310	335
H 400	4.0	13	6.3	836	540	1000	1750	540	565
H 450	4.5	6	7.0	935	540	1000	1750	550	575
H 500	5.0	15	7.8	1040	540	1000	1750	550	575

DESIGN CONSIDERATIONS

Operating limits

TYPE CODE	HS	HD
Maximum operating temperature - °C	110	
Maximum pressure - bar	6 optional 10	
Maximum operating temperature - steam system - °C	130	

Heatflo coding example

TYPE CODE	SECONDARY FLOW CODE	PRIMARY - AB	SECONDARY - CD	ELECTRIC SUPPLY
HS - single pump HD - twin pump	150 -	40 -	32 -	E3 - three phase E1 - single phase

HEATFLO 8.0.1