

PPS Packaged Plate Semi-Storage

Packaged Plate Heat Exchangers for DHW Systems



The Adveco PPS is a range of packaged plate heat exchanger systems from 100 to 600 kW designed to operate with a stainless steel buffer vessel to provide a high-capacity source of domestic hot water to a building.

Supplied pre-assembled on a metal skid base, the Adveco PPS comprises of a high-quality gasketed stainless steel plate heat exchanger with integrated pumps, controls, valves, and all pipework and fittings.

A 24 Volt controls system includes a digital LED display to show system temperature and set point, temperature controllers, volt-free contacts for BMS fault and enable signals, and a twin-pump changeover timer for applicable systems.

The Adveco PPS range is WRAS approved and is suitable for use with systems up to 99°C and 6-10 bar working pressure.

STANDARD FEATURES

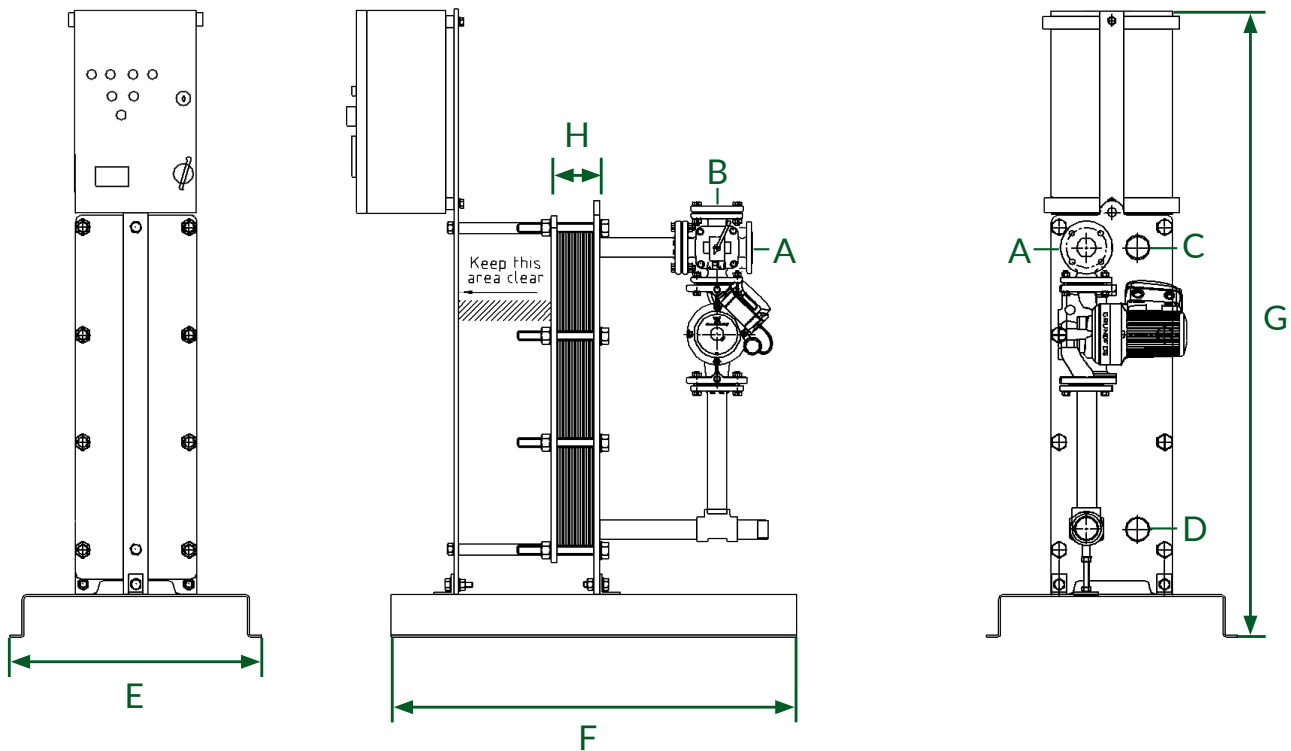
- Primary pumps with activation and changeover controls
- AISI 316 single wall stainless steel plate construction
- 10 bar working pressure for units up to 400 kW. 6 bar working pressure from 500 kW and above.
- EPDM clip-on gaskets
- 4 port modulating control valve with electric actuator
- Digital temperature controller
- Non-self-resetting overheat protection
- Removable insulation jacket
- Plate to buffer DHW shunt pump
- Output demand signal to primary heat source

AVAILABLE OPTIONS

- Single (-S) or twin-head (-T) pump systems
- Alternative control panel orientations to suit installation layout
- Storage vessels available from 200 to 6000 litres

PRACTICAL, EFFICIENT & SUSTAINABLE
BUILDING SERVICES SOLUTIONS





Technical Specifications

Model PPS	PPS-100S PPS-100T	PPS-150S PPS-150T	PPS-200S PPS-200T	PPS-300S PPS-300T	PPS-400S PPS-400T	PPS-500S PPS-500T	PPS-600S PPS-600T
Heat Transfer	80°C 100	150	200	300	400	500	600
Duty (kW)	75°C -- 70°C 83	-- 127	-- 162	-- 242	260 --	315 --	379 --

Dimensions & Connections

A - From primary (inch)	1.25" BSPT F	1.25" BSPT F	1.25" BSPT F	1.25" BSPT F	1.50" PN6 FLANGED	1.50" PN6 FLANGED	1.50" PN6 FLANGED
B - To primary (inch)	1.25" BSPT F	1.25" BSPT F	1.25" BSPT F	1.25" BSPT F	1.50" PN6 FLANGED	1.50" PN6 FLANGED	1.50" PN6 FLANGED
C - Secondary In (mm)	1.25" BSPT M	1.25" BSPT M	1.25" BSPT M	1.25" BSPT M	2.00" BSPT M	2.00" BSPT M	2.00" BSPT M
D - Secondary Out (mm)	1.25" BSPT M	1.25" BSPT M	1.25" BSPT M	1.25" BSPT M	2.00" BSPT M	2.00" BSPT M	2.00" BSPT M
E - Base width (mm)	560	560	560	560	620	620	620
F - Base depth (mm)	1000	1000	1000	1000	1000	1000	1000
G - Total height (mm)	1530	1530	1530	1530	1541	1541	1541
H - Plate compression dimension* (mm)	Max. 47 Min. 46	70 68	81 78	112 108	-- --	80 77	86 83

*The plate assembly is set by a compression dimension as opposed to a tightening torque value. The plates should seal upon compression to the "maximum" value. Plate assemblies should not be tightened beyond the minimum compression dimension.