

## ProPak Thermal Plus 45-Series SS Semi Instantaneous Packaged Plate Heat Exchanger

### Product Description

WRAS and KIWA UK Reg 4 approved Packaged Plate Heat Exchanger suitable for Domestic Hot Water Generation.

The ProPak Thermal range of packaged plate heat exchangers are suitable for the generation of domestic hot water in commercial and industrial applications. Each WRAS and KIWA UK Reg 4 approved unit is constructed with Stainless Steel AISI 316 plate heat exchangers, has a MODBUS interface and fully modulating ERP A rated primary pumps.

### ProPak ® Thermal Range: Features

- Full WRAS Approval (WRAS Approval Number 2312347)
- Heat outputs: 75 – 800kw
- Stainless Steel AISI 316 Plates
- EPDM Gaskets
- ERP A rated fully modulating Primary Pumps
- PID Controller with MODBUS Interface
- Fast acting Siemens 3-port valve
- High Density, Semi-Rigid Insulation

### ProPak ® Thermal Range: Options

- Skid Mounting with pre-connected Buffer Vessel
- High Outputs: 1mw + options

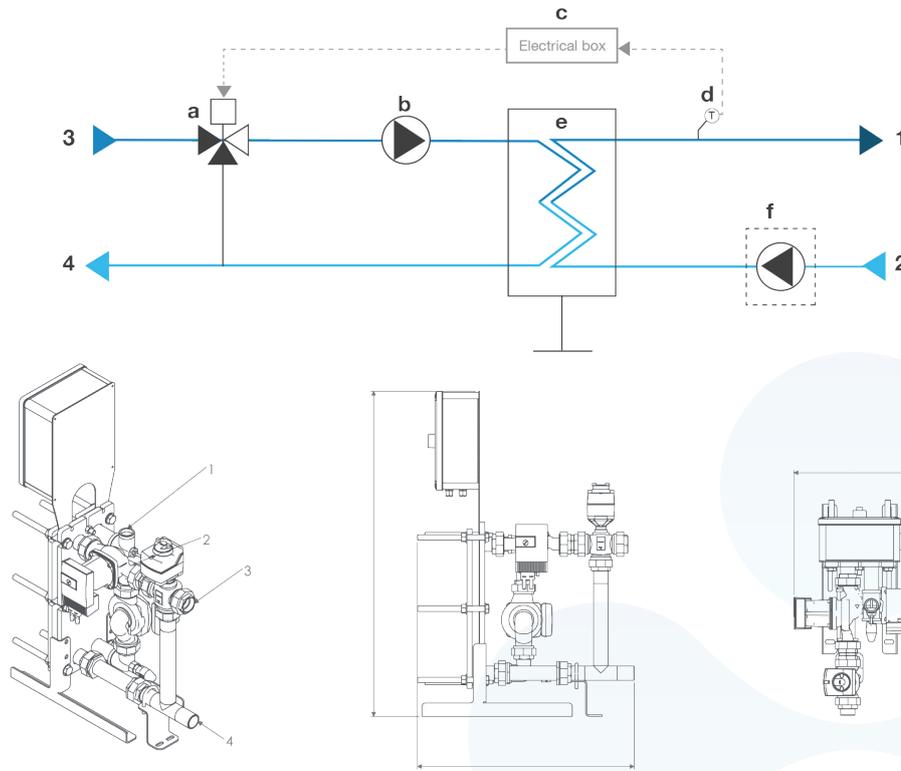


### Technical Specification

Plate Construction Material	AISI 316L Stainless Steel
Gasket Construction Material	EPDM - PRX Gasket
Press Plate and Mounting Frame Construction Material	Epoxy Coated Quality Mild Steel
Ancillaries Mounting Pipework	AISI 316L Stainless Steel
Insulating Jacket Material	30mm High Density Semi - Rigid Polyolefin Foam (PO)
Full PID Control Unit	MODBUS RTU/RS 485 BMS Interface
Maximum Full Load Current	10 Amp
Primary Circuit Motorised 3 Port Control Valve	Siemens VXF32.50-40 / SAX 19.03 Actuator
Primary Circulation Pump	Wilo Yonos Para HF 40/12
Total Height (A)	1700 mm
Total Length (B)	1000 mm
Total Width (C)	800 mm
Weight	240 kg
Maximum Operating Pressure - Primary	10 bar
Maximum Operating Pressure - Secondary	10 bar
WRAS Approval Number	2312347

# TECHNICAL PRODUCT SUBMITTAL

## ProPak Thermal Plus 45-Series SS Semi Instantaneous Packaged Plate Heat Exchanger



### Dimensions (mm)

A	1700
B	1000
C	800

### Connections

1	Secondary Outlet Connection - DN40
2	Secondary Inlet Connection - DN40
3	Primary Inlet Connection - DN40
4	Primary Outlet Connection - DN40

### Schematic Drawing Key

a	Motorised 3 Port Control Valve
b	Primary Circulation Pump
c	PID Control Unit - MODBUS / BMS Interface
d	Control Temperature Sensor - PT100
e	Gasketed Plate Heat Exchanger
f	Secondary Circulation Pump

