

## ProPak Thermal 31-Series D 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

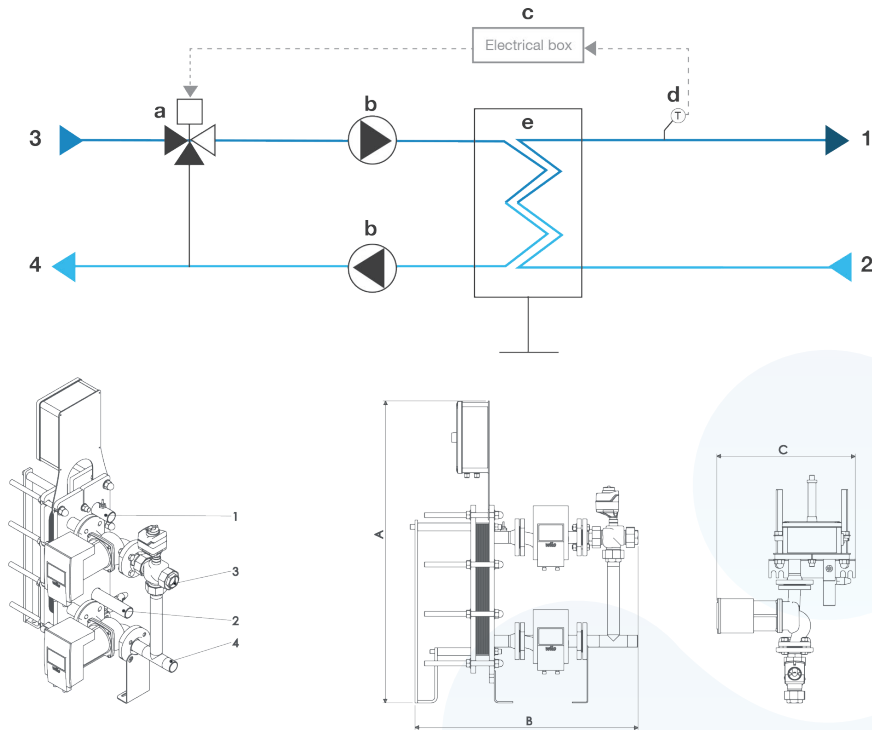


### Technical Specification

|                                                      |                                                     |
|------------------------------------------------------|-----------------------------------------------------|
| 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                            | 5 Amp                                               |
| Primary Circuit Motorised 3 Port Control Valve       | Siemens VXG 48.32 / SAS 61.03 Actuator              |
| Primary Circulation Pump(s)                          | Wilo Yonos Para HF 30/12                            |
| Total Height                                         | 1100 mm                                             |
| Total Length                                         | 900 mm                                              |
| Total Width                                          | 350 mm                                              |
| Weight                                               | 95 kg                                               |
| Maximum Operating Pressure - Primary                 | 10 bar                                              |
| Maximum Operating Pressure - Secondary               | 10 bar                                              |
| WRAS Approval Number                                 | 2312347                                             |

# TECHNICAL PRODUCT SUBMITTAL

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### Dimensions (mm)

|   |      |
|---|------|
| A | 1100 |
| B | 900  |
| C | 350  |

### Connections

|   |                                    |
|---|------------------------------------|
| 1 | Secondary Outlet Connection - DN32 |
| 2 | Secondary Inlet Connection - DN32  |
| 3 | Primary Inlet Connection - DN32    |
| 4 | Primary Outlet Connection - DN32   |

### Schematic Drawing Key

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

