



**KWIKOT**

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# Kwikot Megaflo

Light Commercial Electric Water Heaters

**Everyday**

# Kwikot Megaflor 450 litre

Electric Water Heater

**450L**  
MF 450V



**450L**  
MF 450H

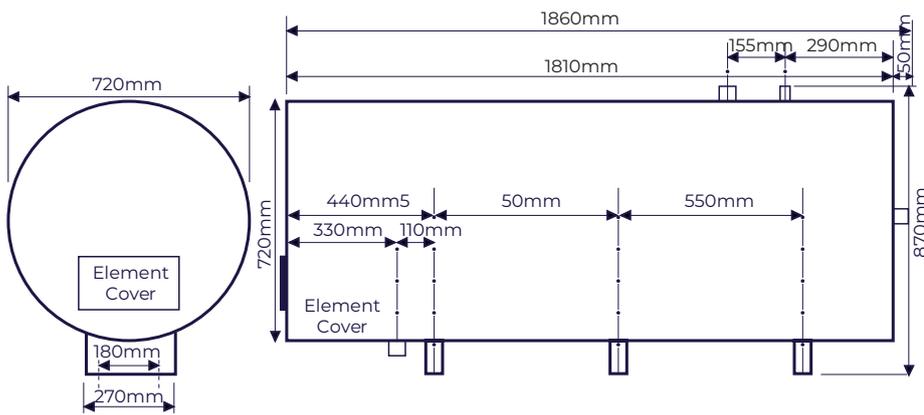


## Features

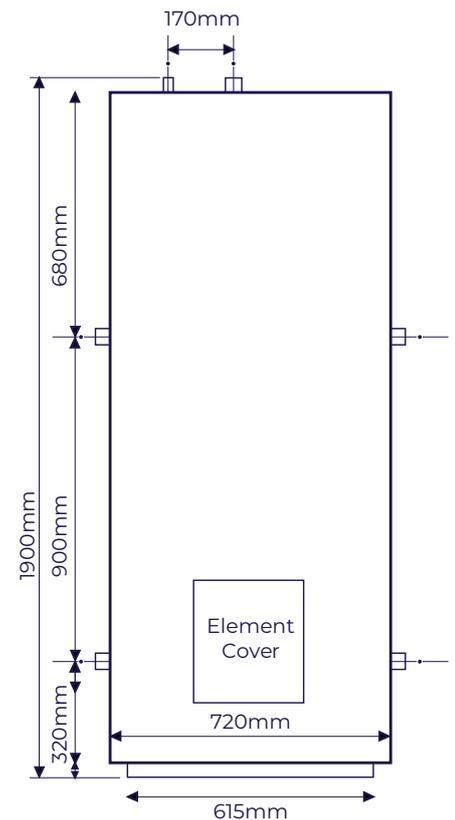
- Megaflor 450 litre electric water heaters have been designed for light commercial and large domestic hot water applications.
- When used with good mains pressure, the water heater can be installed almost anywhere – floor standing or roof.
- Megaflor 450 litre water heaters have a polyurethane foam insulation and are finished with a galvanised outer casement.
- The element load cannot be switched directly through the thermostat and a contactor switch rated 30Amp AC1 duty must be utilised.
- The contactor switch is not a standard component and must be specified and purchased separately.
- Megaflor 450 litre can be installed in all areas. For aggressive water conditions, "Incolloy" electric heating elements can be requested at an additional cost.
- Megaflor 450 litre water heaters operate up to 400kPa and will work efficiently under lower pressures.

## Product Specifications

Horizontal

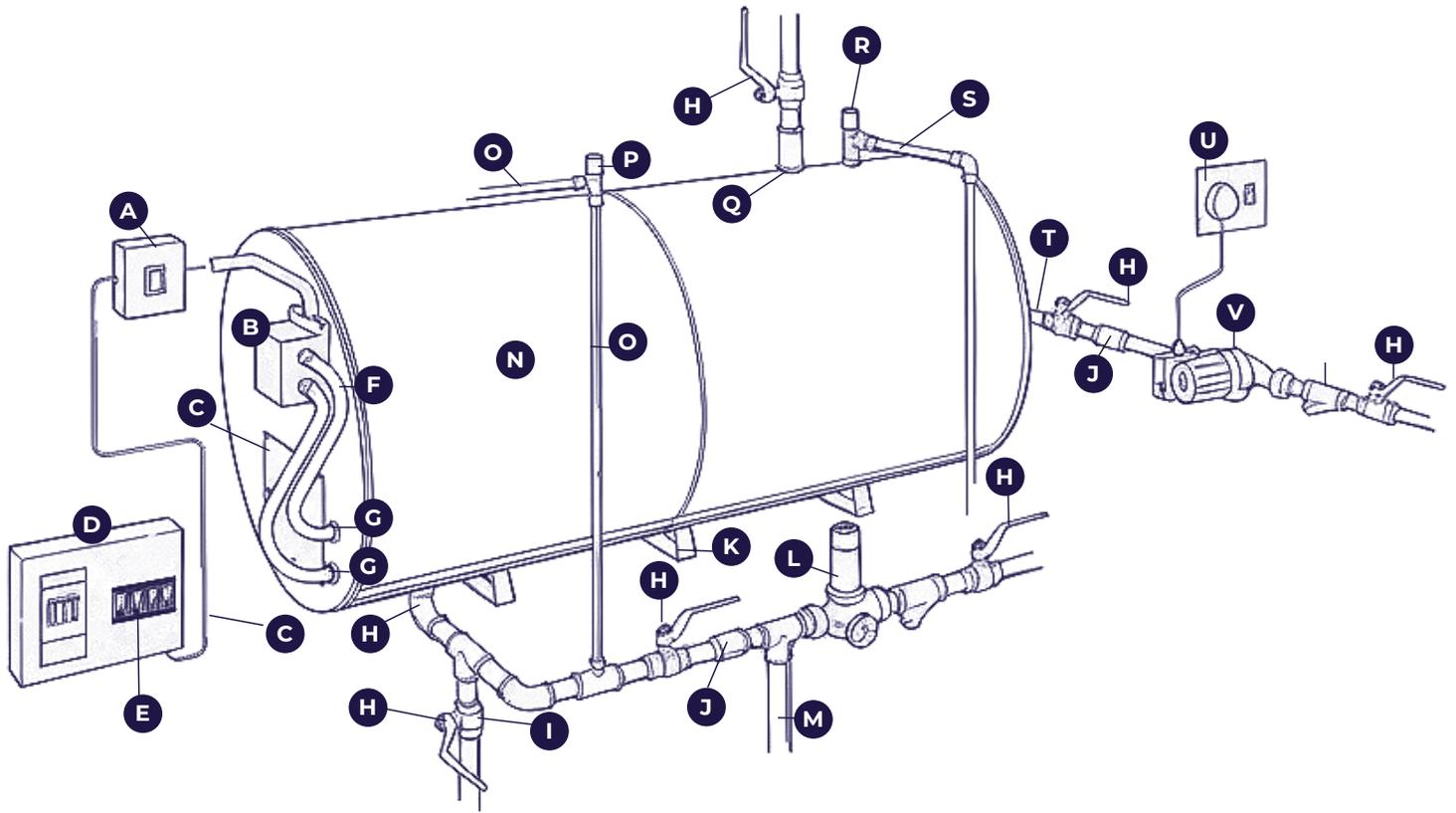


Vertical



Product Code	Capacity (Litres)	Element Rating (Kw)	Operating Pressure (kPa)	Mass Empty (kg)	Connections (mm) (male iron)
MF 450V (vertical)	450	18	up to 400	124	40
MF 450H (horizontal)	450	12	up to 400	129	40

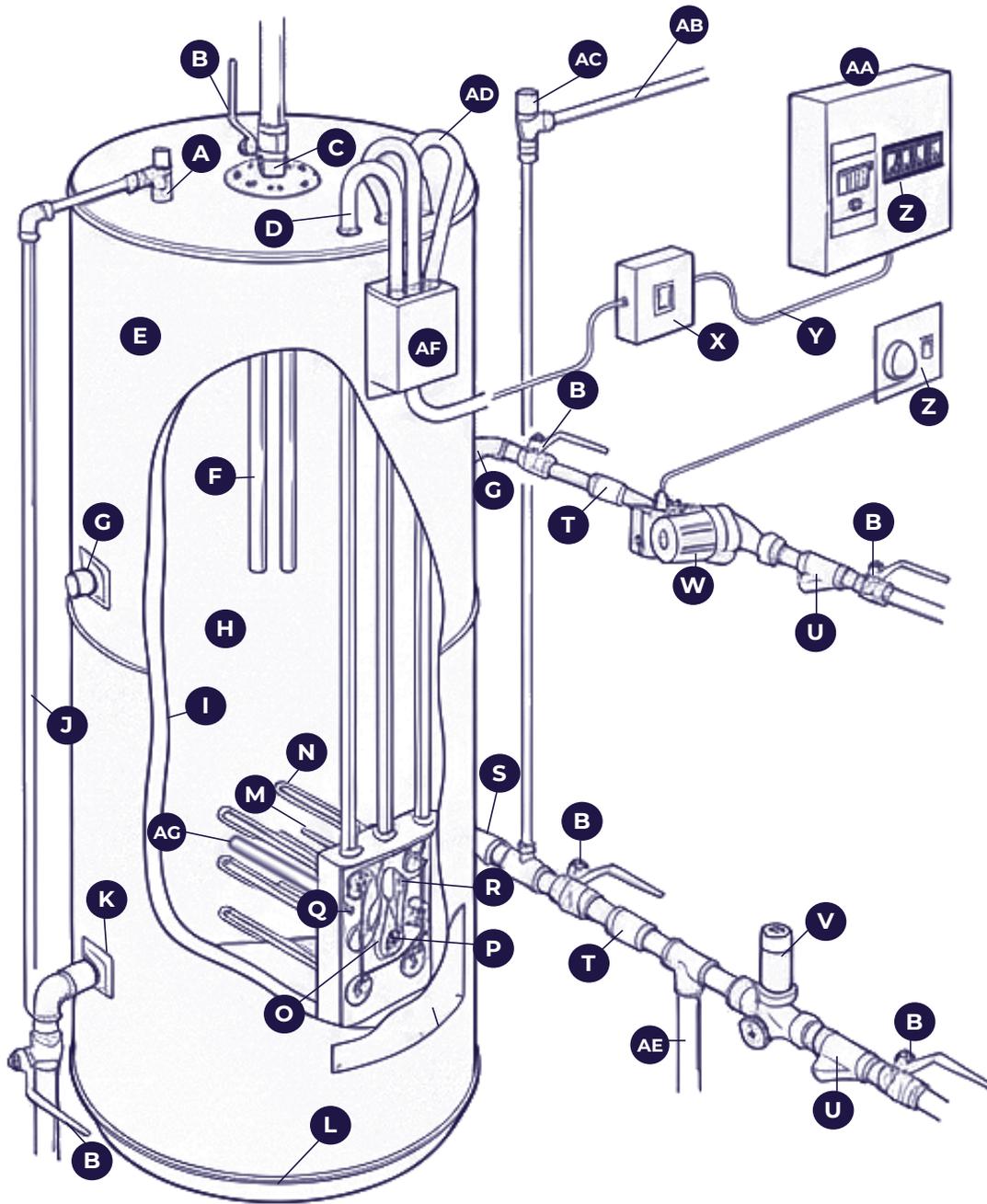
# Piping and Component Installation - Horizontal



- |  |   |
|--|---|
| A. 3 Phase Isolator                              | R. Temperature & Pressure Safety Valve (400kpa) |
| B. Contactor Switch                              | S. Safety Overflow Pipe (metallic)              |
| C. Electrical Cover Plate                        | T. 40mm Return Connection                       |
| D. Distribution Board (3 Phase)                  | U. 15 Amp Wall Socket                           |
| E. 3-phase Circuit Breaker                       | V. Inline Circulation Pump                      |
| F. Flexible Conduit                              |   |
| G. 25mm Electrical Conduit Entry                 |   |
| H. Isolating Lever-Ball Valve                    |   |
| I. Drain Connection                              |   |
| J. Non-return Valve                              |   |
| K. Kwikot Floor Bracket for Horizontal Cylinder  |   |
| L. Pressure Reducing Valve With or Without Gauge |   |
| M. Balanced Cold Water Draw Off To Other Taps    |   |
| N. 0.8mm Galvanised Sheet Steel                  |   |
| O. Expansion Overflow Pipe (metallic)            |   |
| P. Expansion Relief Valve (400kPa)               |   |
| Q. 40mm Hot Water Outlet                         |   |



# Piping and Component Installation - Vertical



- A. Temperature & Pressure Safety Valve (400kpa)
- B. Isolating Lever-Ball Valve
- C. 40mm Hot Water Outlet
- D. 25mm Electrical Conduit Entry
- E. 0.8mm Galvanised Sheet Steel
- F. 4 x Sacrificial Anodes
- G. 40mm Return Connection
- H. Thermofused Porcelain Coating
- I. 50mm Polyurethane Foam Insulation
- J. Safety Overflow Pipe (metallic)
- K. Drain Connection
- L. Floor Standing Base Ring for Vertical Only
- M. Kwikot Thermostat Pocket
- N. 6 x 3kW Standard Immersion Elements (vertical only)
- O. Thermostat Control Wires
- P. Terminal Block
- Q. Earth Stud

- R. VKF Thermostat Set At 60°C
- S. Cold Water Inlet
- T. Non-return Valve
- U. Strainer
- V. Pressure Reducing Valve with or without Gauge
- W. Inline Circulation Pump
- X. 3 Phase Isolator
- Y. Supply Cable
- Z. 3-phase Circuit Breaker
- AA. Distribution Board (3 Phase)
- AB. Expansion Overflow Pipe (metallic)
- AC. Expansion Relief Valve (400kPa)
- AD. Flexible Conduit
- AE. Balanced Cold Water Draw Off to Other Services
- AF. Contactor Switch
- AG. 320mm Sacrificial Anode



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## Product Installation Data

- The water heater must be installed under cover (inside or outside) and not exposed directly to climatic weather conditions.
- The following minimum installation clearance must be allowed for: 500mm clear space around the Safety Valve and for servicing the anodes.
- 300mm clear space immediately in front of the electrical cover plate.
- Do not wall mount.
- Suitable for use with water meeting the requirements of SANS 241

## Standard Fitted Accessories

- Immersion elements.
- Fail-safe thermostat graduated between 30°C and 70°C.
- Flange plate and element port with magnesium sacrificial anodes
- Thermostat pocket.
- The safety valve (supplied fitted to water heater) is designed to release water if the pressure in the water heater approaches 400kPa or if the temperature approaches 94°C. The safety valve is fitted with a 20mm male thread connection and the overflow is a 22mm Conex, which must be piped with a metallic overflow pipe to the exterior of the building.

## Product Warranty and Anode Servicing

The period of guarantee is from the date of installation providing that documentation of proof of installation is furnished, or alternatively from date of manufacture as determined from the serial plate or date stamp code.

- One year on the standard immersion elements, VKF7" thermostat and flange assembly plate and gasket.
- Two years on the Safety Valve.
- Three Years on the inner cylinder, subject to water conditions equivalent to main Metropolitan supply authorities. This guarantee is subject to only genuine Kwikot replacement parts (element and thermostat etc) been used whilst the inner cylinder is still under guarantee.
- The guarantee on the installation is the responsibility of the installer.

# Additional Installation Components

A selection of Kwikot installation components available.

Product Code	Description
KHN8-250	Pressure Reducing Valves 15mm to 100mm (adjustable 150kPa to 600kPa)
INDS-20	Basket Strainer - 15mm to 100mm
INDN-20	Non Return Valves- 15mm to 100mm
INDB-20	Lever Ball Valves 15mm to 100mm
IND-CPN-25-6	Screwed-End Circulating Pumps



Basket Strainer



Lever Ball Valves  
15mm to 100mm



Non Return Valves  
15mm to 100mm

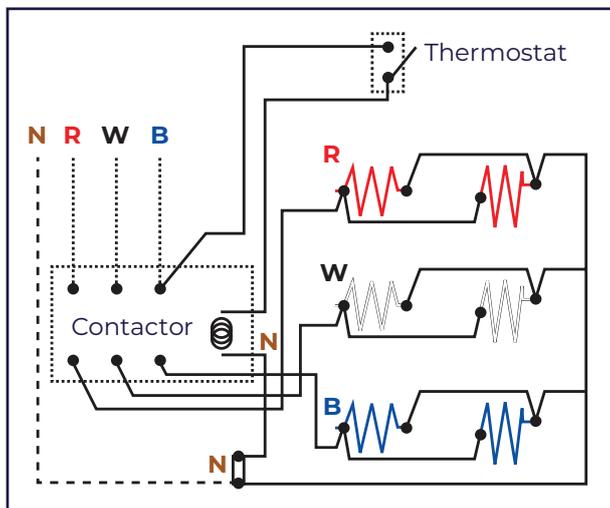


Screwed-End  
Circulating Pumps

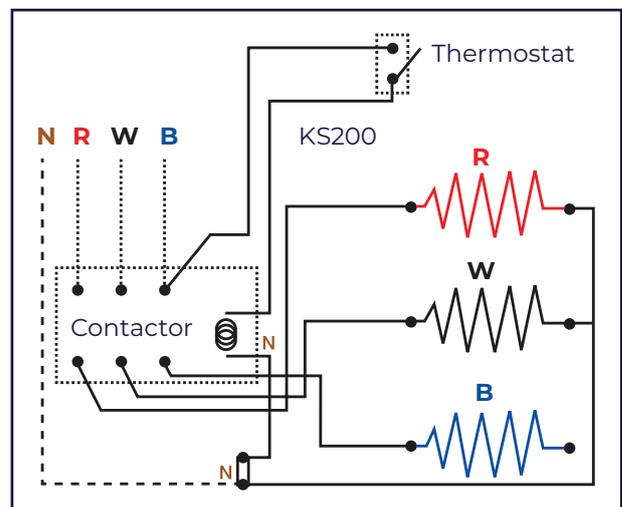


Pressure Reducing  
Valves  
15mm to 100mm  
(150kPa to 600kPa)

## Electrical Wiring Diagram



450 Litre Vertical 6x3Kw Elements



450 Litre Vertical 3x4Kw Elements



## Register Your Kwikot Product Today!

### Why Register?

Ensure peace of mind by registering your Kwikot product and enjoy these exclusive benefits:

- **Full Warranty Activation** – Get complete coverage for your product.
- **Stay Informed** – Receive important safety and product updates.
- **Proof of Ownership** – Simplify future service or support requests.

### Who Can Register?

- Homeowners who have purchased and installed a Kwikot product
- Licensed plumbers or installers registering on behalf of clients

### What You'll Need to Register:

- Installation date
- Product serial number (found on your product)
- Proof of purchase or installation (optional upload)
- Contact details (name, email, phone number)

Scan here  
to register



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### Need Assistance?

**Sales and Payment Queries:**  
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technical.info@kwikot.com

[www.kwikot.com](http://www.kwikot.com)

**Admin, Marketing and Product Queries:**  
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