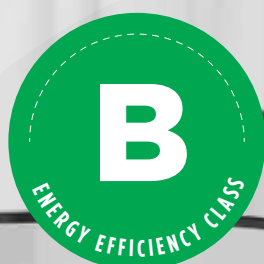


# THERMOCYLINDER

DOMESTIC HOT  
WATER



**ENERGIE  
DOMESTIC  
HOT WATER  
CYLINDER,**  
SUITABLE FOR  
OPERATION WITH  
HEAT PUMPS.



# THERMOCYLINDER

ENERGIE.PT

## DHW CYLINDER FOR HEAT PUMP

ENERGIE thermocylinders are containers in which hot water is stored, allowing you to meet the needs at times of greater consumption or simultaneous consumption in different parts of the building. Manufactured in single coil stainless steel, available in 160, 200, 300 and 500 litre capacities.

The ideal solution for medium-sized flats and houses. This range is compatible with all ENERGIE heat pumps.

 **PORTUGUESE MANUFACTURING**



## DHW ACCUMULATION TANK

- High quality and precision stainless steel vessel with high density PU rigid insulation (PU free of CFC and HCFC).
- XL coil suitable for heat pump.
- Immersion heater included.
- Integration in small spaces, 60x60 cm module (Except for the DHW500HP).
- Easy to install.
- 3 adjustable feet.

### STANDARD CONNECTIONS

### TOP CONNECTIONS



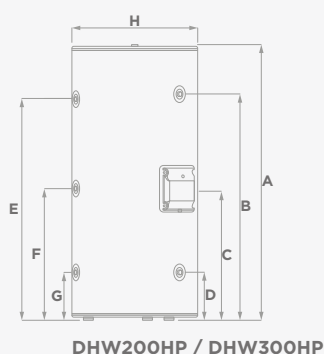
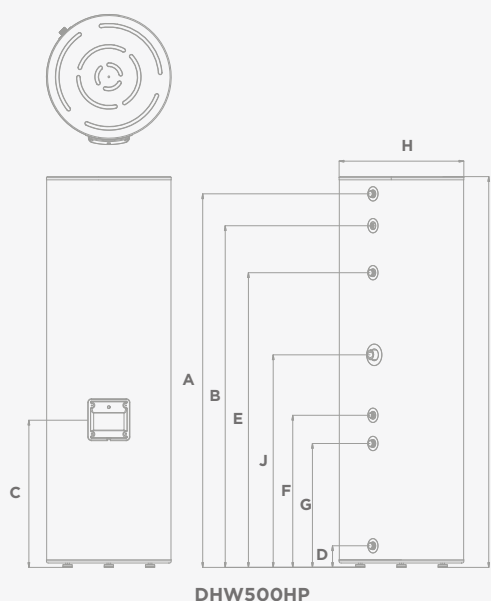
See warranty conditions

Equipment: **Thermocylinder**

Models: **DHW200HP / DHW300HP / DHW500HP**

### THERMOCYLINDER | STANDARD CONNECTIONS

|          | DHW200HP<br>mm   Ø Pol. | DHW300HP<br>mm   Ø Pol. | DHW500HP<br>mm   Ø Pol. | OBS.                   |
|----------|-------------------------|-------------------------|-------------------------|------------------------|
| <b>A</b> | 1240   G 3/4" F         | 1540   G 3/4" F         | 1937   G 1" M           | Hot water              |
| <b>B</b> | 1025   G 1/2" F         | 1320   G 1/2" F         | 1772   G 1/2" F         | Instruments            |
| <b>C</b> | 595   G 1" 1/4" F       | 595   G 1" 1/4" F       | 689   G 1" 1/4" F       | Electric support power |
| <b>D</b> | 215   G 3/4" F          | 215   G 3/4" F          | 102   G 1" M            | Cold water             |
| <b>E</b> | 1000   G 3/4" F         | 1080   G 3/4" F         | 1527   G 1" M           | Coil inlet             |
| <b>F</b> | 595   G 1/2" F          | 595   G 1/2" F          | 784   3/4" M            | Recirculation          |
| <b>G</b> | 215   G 3/4" F          | 215   G 3/4" F          | 637   G 1" M            | Coil outlet            |
| <b>H</b> | Ø580                    | Ø580                    | Ø650                    | Diameter               |
| <b>I</b> | -                       | -                       | 2020                    | Height                 |
| <b>J</b> | -                       | -                       | 1095   G 1" 1/4 F       | Magnesium Anode        |

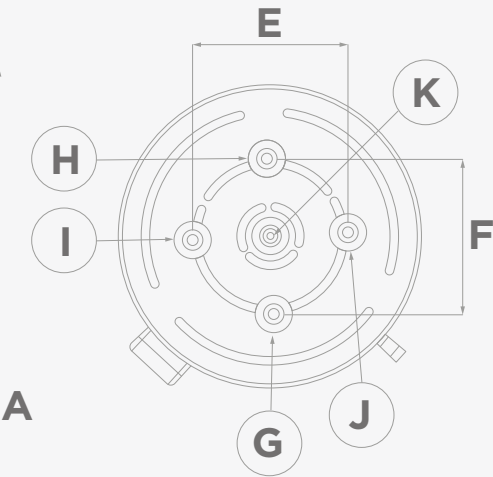
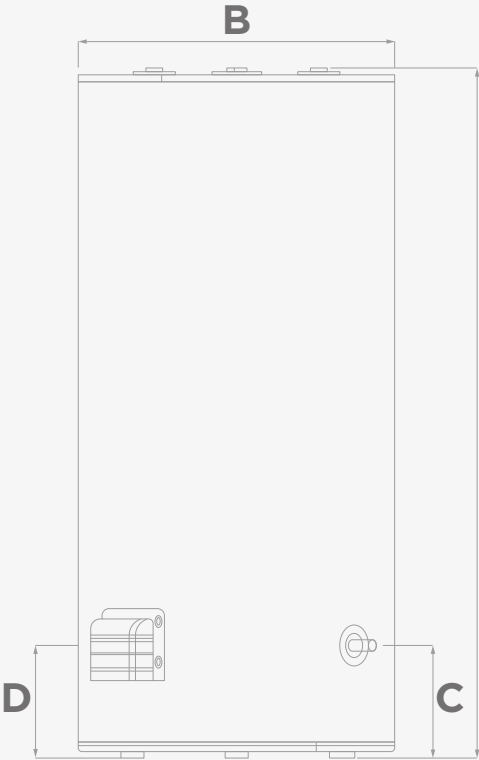


| ACCUMULATOR TECHNICAL DATA   |                | DHW200HP        | DHW300HP        | DHW500HP        | DHW160HP-THB    | DHW200HP-THB    | DHW300HP-THB    |
|------------------------------|----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| Nominal Capacity             | l              | 200             | 270             | 450             | 160l            | 200             | 270             |
| Material                     | -              | Stainless Steel | Stainless Steel | Stainless Steel | Stainless Steel | Stainless Steel | Stainless Steel |
| Insulation                   | mm             | 50              | 50              | 50              | 50              | 50              | 50              |
| Max. operating pressure      | bar            | 7               | 7               | 7               | 7               | 7               | 7               |
| Max. temperature             | °C             | 90              | 90              | 90              | 90              | 90              | 90              |
| Max. operating pressure coil | bar            | 8               | 8               | 8               | 8               | 8               | 8               |
| Max. temperature coil        | °C             | 90              | 90              | 90              | 90              | 90              | 90              |
| Coil surface area            | m <sup>2</sup> | 2,3             | 2,6             | 2,4             | 1,9             | 2,3             | 2,8             |
| Static losses (EN 12897)     | W              | 59              | 65              | 92              | 53              | 59              | 65              |
| Energy Efficiency Class      | -              | B               | B               | C               | B               | B               | B               |
| Coil power                   | kW             | a) 70   b) 43   | a) 79   b) 49   | a) 73   b) 45   | a) 58   b) 36   | a) 70   b) 43   | a) 79   b) 49   |
| Power supplied               | -              | 230V/50Hz       | 230V/50Hz       | 230V/50Hz       | 230V/50Hz       | 230V/50Hz       | 230V/50Hz       |
| Immersion heater             | W              | 1500            | 1500            | 2000            | 1500            | 1500            | 1500            |
| Room temperature limits      | °C             | -5/40           | -5/40           | -5/40           | -5/40           | -5/40           | -5/40           |
| Empty weight                 | kg             | 51              | 60              | 77              | 38              | 48              | 62              |
| Dimensions (Ø/height)        | mm             | Ø580/1240       | Ø580/1540       | Ø650/2020       | Ø580/960        | Ø580/1240       | Ø580/1540       |

- a) Primary circuit (Tin =90°C; Tout =80°C); Production DHW (Tin=10°C; Tout=55°C)
- b) Primary circuit (Tin =70°C; Tout =60°C); Production DHW (Tin=10°C; Tout=55°C)

Equipment: **Thermocylinder**

Models: **DHW160HP-THB / DHW200HP-THB / DHW300HP-THB**



THERMOCYLINDER | TOP CONNECTIONS

|   | DHW160HP-THB<br>mm   Ø Pol. | DHW200HP-THB<br>mm   Ø Pol. | DHW300HP-THB<br>mm   Ø Pol. | OBS.                   |
|---|-----------------------------|-----------------------------|-----------------------------|------------------------|
| A | 960                         | 1240                        | 1540                        | Height                 |
| B | Ø580                        | Ø580                        | Ø580                        | Diameter               |
| C | 185   G 1/2" F              | 185   G 1/2" F              | 185   G 1/2" F              | Outflow                |
| D | 185   G 1" 1/4 F            | 185   G 1" 1/4 F            | 185   G 1" 1/4 F            | Electric support power |
| E | 310                         | 310                         | 310                         | -                      |
| F | 310                         | 310                         | 310                         | -                      |
| G | -   G 3/4" F                | -   G 3/4" F                | -   G 3/4" F                | Cold water             |
| H | -   G 3/4" F                | -   G 3/4" F                | -   G 3/4" F                | Hot water              |
| I | -   G 1" F                  | -   G 1" F                  | -   G 1" F                  | Coil inlet             |
| J | -   G 1" F                  | -   G 1" F                  | -   G 1" F                  | Coil outlet            |
| K | -   G 1/2" F                | -   G 1/2" F                | -   G 1/2" F                | Instruments            |

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