



# Product Specification

## Domestic Range

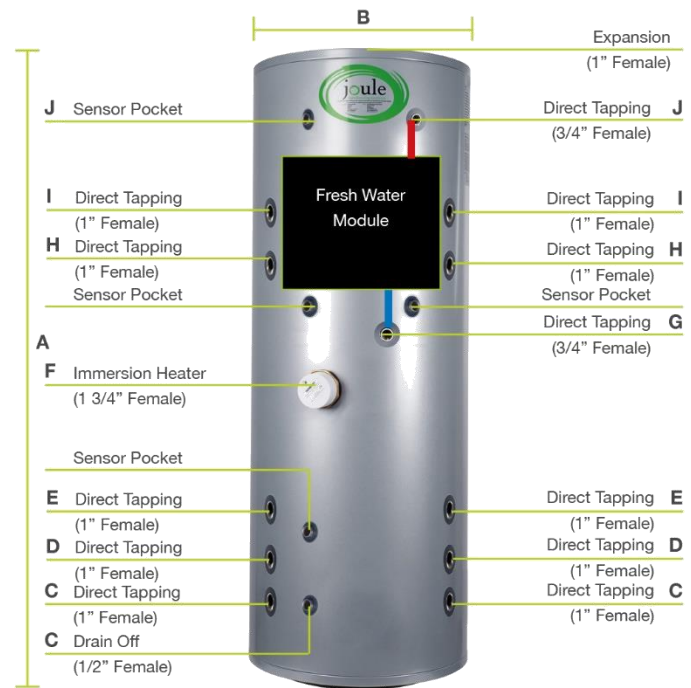
### 500 L Thermal Store 2.0

|          |          |               |                |
|----------|----------|---------------|----------------|
| Capacity | Type     | Model         | Installation   |
| 500L     | Unvented | Thermal Store | Floor Standing |

#### Descriptive Specification

- The unit is to be floor standing Cyclone pre-insulated Hot Water Cylinder
- The cylinder is to be manufactured from Duplex LDX 2101.
- The cylinder must be tested to 10 bar with a maximum operating pressure of 5 bar.
- The cylinder should have a standing loss of no more than 115 W

| Constructive Specifications   |                                 |
|-------------------------------|---------------------------------|
| Capacity                      | 500L                            |
| Cylinder Material             | Stainless Steel Duplex LDX 2101 |
| Thermal Insulation            | Polyurethane foam CFC/HCFC Free |
| Coil Material                 | Stainless Steel Tube AISI 316L  |
| Weight (empty) kg             | 87                              |
| Weight (full) kg              | 589                             |
| Max. Operating Pressure (bar) | 5                               |
| Test Pressure (bar)           | 10                              |
| Working Temperatures (c)      | >70                             |
| Heating Elements              | 1. No. Incoloy Immersion        |
| Heat Loss (W)                 | 115                             |
| Product Code                  | KCZMVI-0500LFC                  |



#### Dimensions (mm)

|   |      |
|---|------|
| A | 1900 |
| B | 710  |
| C | 225  |
| D | 325  |
| E | 425  |
| F | 765  |
| G | 655  |
| H | 1154 |
| I | 1254 |
| J | 1635 |

#### Thermal Store 2.0 Fresh Water Module Performance

| Store Temperature (°C) | DHW Supply Rate |          | Return Temperature (°C) | Mains Temperature (°C) | DHW Supply Temperature (°C) | Store Heating Power (kW) |
|------------------------|-----------------|----------|-------------------------|------------------------|-----------------------------|--------------------------|
|                        | (ltr/min)       | (ltr/hr) |                         |                        |                             |                          |
| 60                     | 12.5            | 750      | 42                      | 15                     | 50                          | 30                       |
|                        | 16.7            | 1000     | 36                      |                        | 49                          | 40                       |
|                        | 25              | 1500     | 33                      |                        | 45                          | 52                       |
|                        | 29.2            | 1750     | 27                      |                        | 44                          | 59                       |
| 70                     | 12.5            | 750      | 47                      | 50                     | 30                          |                          |
|                        | 16.7            | 1000     | 40                      | 50                     | 41                          |                          |
|                        | 25              | 1500     | 29                      | 49                     | 59                          |                          |
|                        | 33.3            | 2000     | 27                      | 44                     | 67                          |                          |