

TECHNICAL PRODUCT SUBMITTAL

LBT500 THERMAL STORE



LBT500

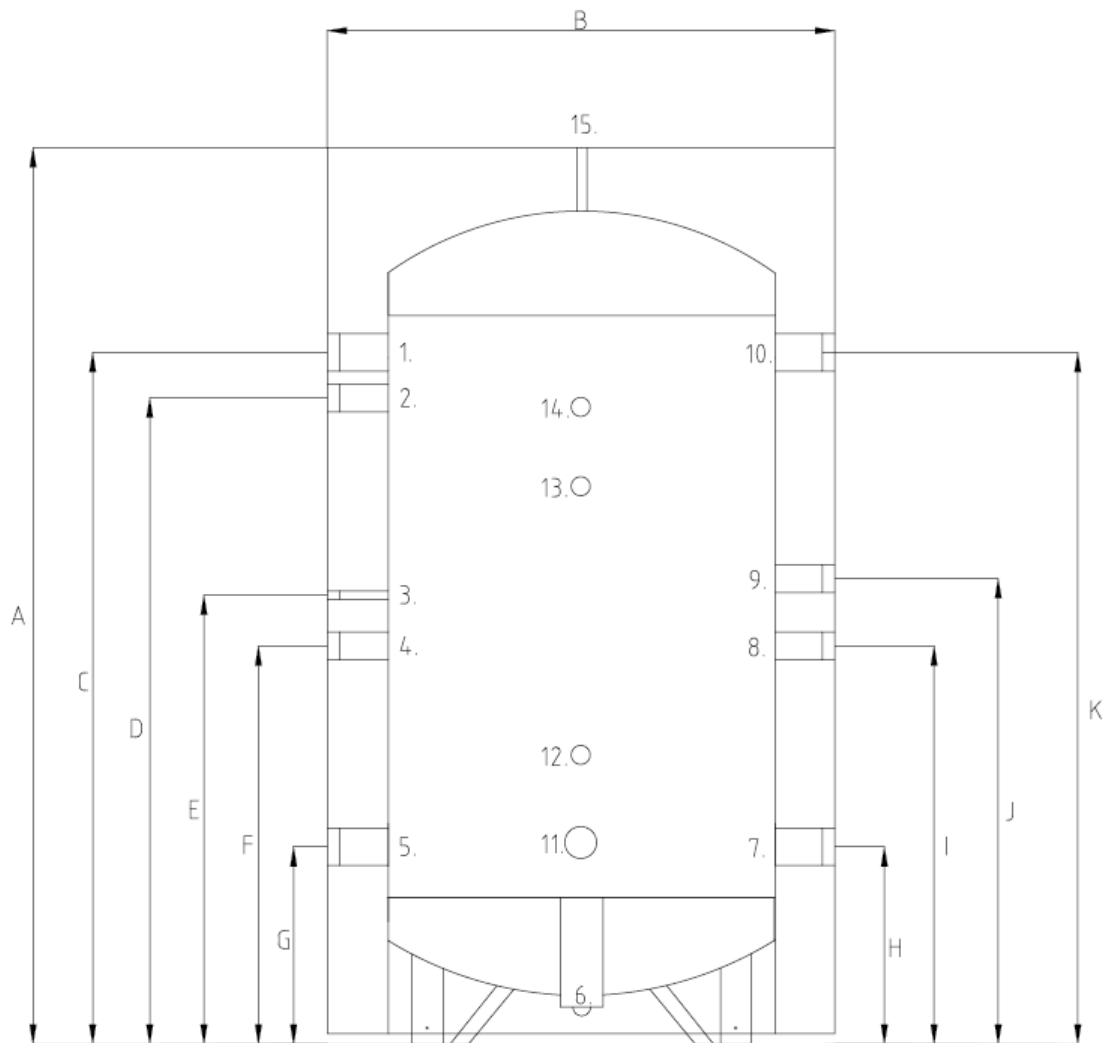
| EFFICIENCY DATA-Part L2 | |
|--------------------------------------|---------|
| Insulation Thickness | mm |
| Insulation Type | |
| Heat Loss | kWh/24h |
| EFFICIENCY DATA ErP AND ENERGY LABEL | |
| Ecodesign Energy Label rating | |
| Standing Loss | W |
| GENERAL DATA | |
| Storage Capacity | litres |
| Weight Empty | kg |
| Weight Full and Insulated | kg |
| Maximum Vessel Pressure | bar |
| Minimum Vessel Temperature | °C |
| Maximum Vessel Temperature | °C |

| |
|--------------|
| 55 |
| Polyurethane |
| 2.74 |
| C |
| 114.1 |
| 500 |
| 80 |
| 580 |
| 6 |
| -10 |
| 90 |

The LBT Thermal store must be installed and maintained in line with the Installation Commissioning and Maintenance Instructions which are available on the Literature & Downloads section of www.lochinvar.ltd.uk

ErP and Warranty

ErP Data including Product Fiche and Energy Labels where applicable and Warranty information are also available at www.lochinvar.ltd.uk



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LBT500 THERMAL STORE



| No | Description | Unit | LBT300 | LBT500 | LBT800 | LBT1000 | LBT1500 |
|----|--|------|--------|--------|--------|---------|---------|
| A | Total Height (with insulation) | mm | 1680 | 1735 | 1765 | 2075 | 2245 |
| B | Diameter of Water Heater (with insulation) | mm | 610 | 760 | 910 | 1010 | 1220 |
| C | Height of Heating system flow connection | mm | 1405 | 1450 | 1445 | 1715 | 1800 |
| D | Height of Auxiliary connection | mm | 1255 | 1300 | 1295 | 1565 | 1650 |
| E | Height of Sensor connection | mm | 895 | 885 | 885 | 1095 | 1180 |
| F | Height of Auxiliary connection | mm | 645 | 690 | 685 | 955 | 1040 |
| G | Height of Heating system return connection | mm | 355 | 380 | 395 | 415 | 500 |
| H | Height ASHP Return connection | mm | 355 | 380 | 395 | 415 | 500 |
| I | Height of Auxiliary connection | mm | 780 | 785 | 820 | 955 | 1020 |
| J | Height of Auxiliary connection | mm | 980 | 985 | 1020 | 1155 | 1220 |
| K | Height of ASHP flow connection | mm | 1405 | 1450 | 1445 | 1715 | 1800 |
| A | Height of AAV Connection | mm | 1680 | 1735 | 1765 | 2075 | 2245 |

| No | Description | Unit | LBT300 | LBT500 | LBT800 | LBT1000 | LBT1500 |
|----|----------------------------------|------|--------|--------|--------|---------|---------|
| 1 | Connection Heating System Flow | BSP | 2" | 3" | 3" | 3" | 3" |
| 2 | Connection Tank body | BSP | 1½" | 2" | 2" | 2" | 2" |
| 3 | Connection Sensor Point | BSP | ½" | ½" | ½" | ½" | ½" |
| 4 | Connection Tank body | BSP | 1½" | 2" | 2" | 2" | 2" |
| 5 | Connection Heating System Return | BSP | 2" | 3" | 3" | 3" | 3" |
| 6 | Connection Drain | BSP | 1¼" | 1¼" | 1½" | 1½" | 2" |
| 7 | Connection ASHP Return | BSP | 2" | 3" | 3" | 3" | 3" |
| 8 | Connection Tank Body | BSP | 1½" | 2" | 2" | 2" | 2" |
| 9 | Connection Tank Body | BSP | 1½" | 2" | 2" | 2" | 2" |
| 10 | Connection ASHP Flow | BSP | 2" | 3" | 3" | 3" | 3" |
| 11 | Connection Immersion heater | BSP | 2" | 2" | 2" | 2" | 2" |
| 12 | Connection Sensor Point | BSP | ½" | ½" | ½" | ½" | ½" |
| 13 | Connection Sensor Point | BSP | ½" | ½" | ½" | ½" | ½" |
| 14 | Connection Sensor Point | BSP | ½" | ½" | ½" | ½" | ½" |
| 15 | Connection Air Vent | BSP | 1¼" | 1¼" | 1½" | 1½" | 2" |