

FARM 2000

FROM

M&K Products

Accumulator Tanks

FARM 2000 Accumulator tanks (or thermal stores) are designed to operate with FARM2000 biomass batch boilers when used for heating, hot water and hot air systems etc

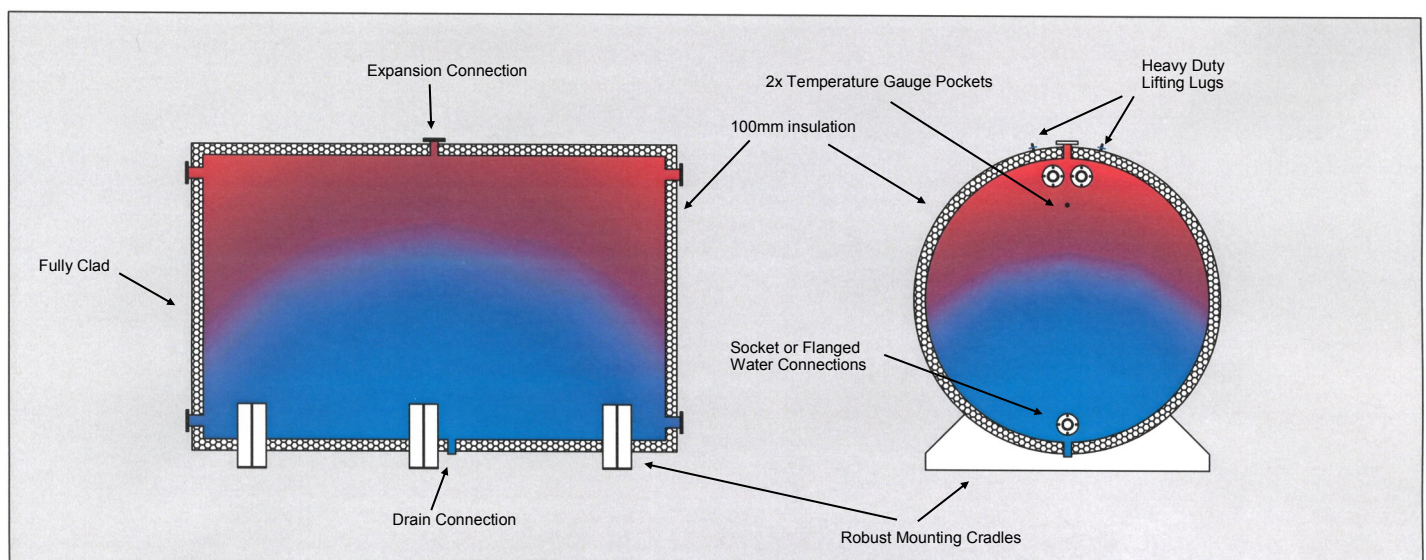
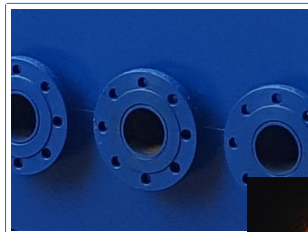
Accumulator tanks when used in association with FARM2000 boilers provide for increased boiler efficiency, user convenience, cleaner boiler operation and system safety as the tank operates as a safety heat leak in the event of power failure etc.

FARM2000 recommend an accumulator tank capacity of between 80 litres and 125 litres, or more, per kW output of the boiler, our Accumulator Tanks are available with capacities ranging from 5000 litres to 40000 litres.

FARM2000 Accumulator tanks are supplied fully insulated with all required water connections and heavy duty mounting cradles or legs.

Choose vertical or horizontal tank configuration.

- **Enables lower stoking frequency**
Typically once/twice per day on average.
- **Higher boiler efficiency**
Allows operation with un-interrupted burn.
- **Increased user flexibility and convenience.**
Stoke the boiler when you want to rather than when you have to.
- **Stores heat ahead of requirement**
Heating, Grain drying, wood drying, greenhouses etc
- **Acts as a heat leak**
In the event of a power failure etc during combustion cycle acts as a gravity heat leak for added safety.
- **Horizontal or Vertical Configuration.**
Select best layout to suit available space in your building.
- **BSP socket or flanged connection options**
Select type and number of water connections
- **100mm Insulation**
Minimal heat loss for extended standby period.
- **Designed & Manufactured in UK**
Prompt service and individual attention



DIMENSIONS AND TECHNICAL DATA

SIZING AND INSTALLATION

FARM2000 accumulators are designed for use in open vented indirect hot water heating systems and must be installed according to the current FARM 2000 Installation and Operating Instruction Booklet.

FARM2000 recommend a minimum capacity of 80 litres per kW output of the boiler.

FARM2000 accumulators are ready for installation and specification includes the following:

- Cylindrical construction
- Vertical or horizontal options
- 100mm all round insulation
- Fully clad and painted.
- BSP or flanged water connections
- Sockets for temperature gauge pockets.
- Integral support frame or legs for easy siting.
- Connection for expansion pipe.
- Connection for drain tap.
- Pressure tested to 2 bar before despatch
- Fitted with heavy duty lifting eyes for ease of handling

| Tank Capacity (litres) | Shell Thickness (mm) | Horizontal Configuration | | | Vertical Configuration | | | Approx. Weight (kg) | Flow Fittings BSP or Flanged | Return Fittings BSP or Flanged | Expansion Fitting BSP or Flanged | Drain Fitting BSP |
|---------------------------|-------------------------|--------------------------|----------------|----------------|------------------------|----------------|----------------|------------------------|---------------------------------|-----------------------------------|-------------------------------------|----------------------|
| | | Diameter (mm) | Length (mm) | Overall Height | Diameter (mm) | Length (mm) | Overall Height | | | | | |
| 5000 | 4 | 1700 | 3050 | 1850 | 2000 | 2000 | 3200 | 1100 | 2" | 2" | 2" | 2" |
| 7500 | 6 | 2100 | 2850 | 2250 | 2400 | 2400 | 3000 | 1800 | 2.5" | 2.5" | 2" | 2" |
| 10000 | 6 | 2100 | 3800 | 2250 | 2400 | 2400 | 3950 | 2200 | 3" | 3" | 2" | 2" |
| 12500 | 6 | 2100 | 4600 | 2250 | 2400 | 2400 | 4750 | 2500 | 3" | 3" | 2" | 2" |
| 15000 | 8 | 2700 | 3300 | 2850 | 3000 | 3000 | 3450 | 3500 | 3" | 3" | 2" | 2" |
| 20000 | 8 | 2700 | 4250 | 2850 | 3000 | 3000 | 4400 | 4200 | 4" | 4" | 2" | 2" |
| 25000 | 8 | 2700 | 5200 | 2850 | 3000 | 3000 | 5350 | 4900 | 4" | 4" | 2" | 2" |
| 30000 | 8 | 3200 | 4500 | 3350 | 3500 | 3500 | 4650 | 5600 | 4" | 4" | 2" | 2" |
| 35000 | 8 | 3200 | 5150 | 3350 | 3500 | 3500 | 5300 | 6200 | 5" | 5" | 2" | 2" |
| 40000 | 8 | 3200 | 5850 | 3350 | 3500 | 3500 | 6000 | 6800 | 5" | 5" | 2" | 2" |

Recommended Approx. Accumulator Sizes (Litres) for Boiler Models

| MODEL | STRAW-FIRED | | WOOD-FIRED | |
|-----------|-------------|---------|------------|-------------|
| | Minimum | Maximum | Minimum | Maximum |
| HT50R | 5,000 | 7,500 | 7,000 | 10,000 plus |
| HT60R | 7,500 | 10,000 | 10,000 | 15,000 plus |
| HT70R | 10,000 | 12,500 | 15,000 | 20,000 plus |
| HT80R | 12,500 | 15,000 | 20,000 | 25,000 plus |
| BB144/3R | 15,000 | 20,000 | 20,000 | 25,000 plus |
| BB146/3R | 20,000 | 25,000 | 25,000 | 30,000 plus |
| BB244/3R | 25,000 | 30,000 | 30,000 | 35,000 plus |
| BB154/3R | 22,500 | 30,000 | 30,000 | 35,000 plus |
| BB254/3R | 30,000 | 40,000 | 40,000 | 50,000 plus |
| BB254H/3R | 35,000 | 50,000 | 50,000 | 65,000 plus |

Note: 1,000 litres stores approx. 30kWhs

All FARM 2000 Accumulator Tanks are manufactured in the U.K. Each tank undergoes strict quality control and a pressure test before despatch.

All FARM 2000 Accumulator Tanks should be installed in open vented systems and are not pressure vessels.

M&K PRODUCTS (BROMSGROVE) LTD.
 Dodford, Bromsgrove, Worcs. B61 9BT, UK
 Tel: +44 (0)1527.836444 , e-mail: heat@farm2000.co.uk
www.farm2000.co.uk

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12/17