

# 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

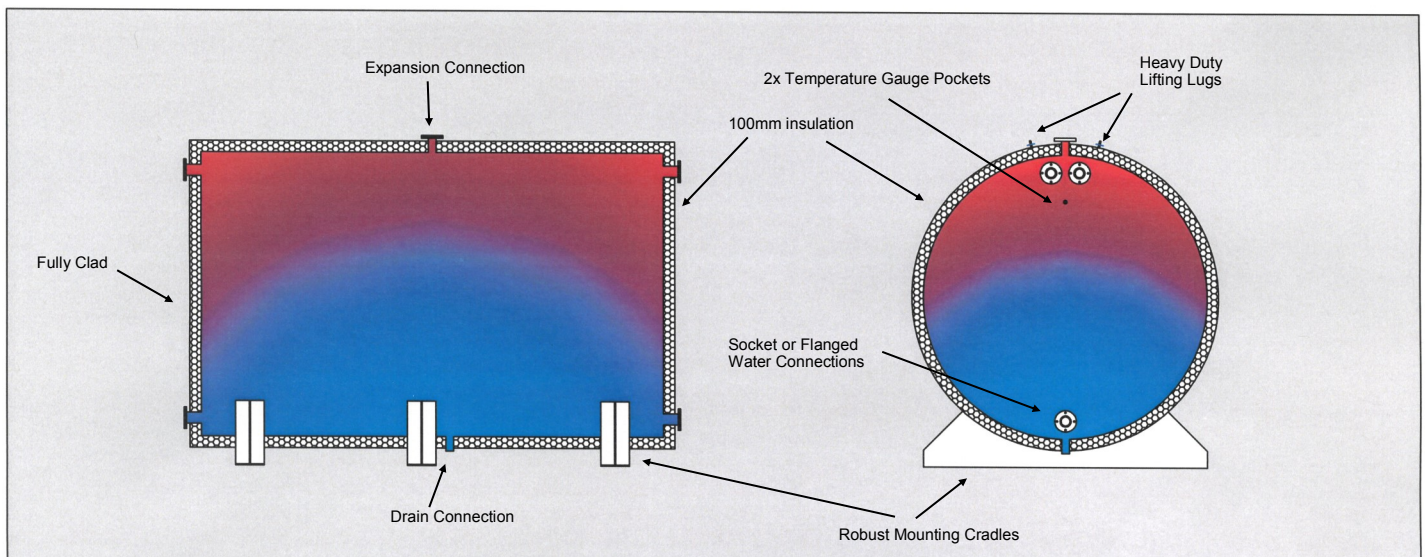
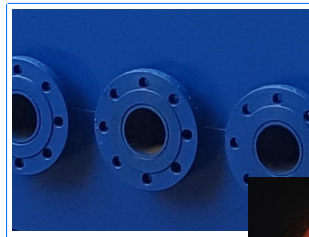
Accumulator tanks when used in association with FARM2000 boilers provide for increased boiler efficiency, user convenience, cleaner boiler operation and system safety as the tank operates as a safety heat leak in the event of power failure etc.

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

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