



Ultrastore indirect coil

Galvanised header tank with ball valve and overflow pipe.

If the tank is oversized to 4x of the boiler water capacity, then the heat leak radiator can be omitted.

Cold water supply to the header tank.

Copper float valve recommended.
Copper overflow pipe must be used.



Heat leak radiator

Power supply for the pump & motorised valve through a fused spur



Motorised valve

Flow from the boiler

Wood burner with a back boiler.
Max. 20kW

Circulation pump

Thermostat

Return to the boiler

T

Installation notes;

Plastic pipework is not allowed.
Plastic header tank not recommended.

Motorised valve **MUST** be a 'normally open' type
i.e. the valve will open up when the power to it is cut.

If the header is very low, use of an 'injector tee' is recommended at the position T.

Pump controlled by a pipe or flue gas thermostat.

Normally open motorised valve will close when the pump is running.

In a case of a power cut, motorised valve will open and the gravity circulation will allow heat to be disbursed via the heat leak radiator or a metal header tank.

NORTHMAN AUTOMIX
Controlling heat, saving energy

Ultrastore 500 with pumped open vented solid fuel boiler & indirect coil

DRAWN	VERSION	DATE	DRAWING REF.
SS		17.01.2015	GENERIC