

Amber

Bastion Pump with Mixing Valve

The Bastion Pump With Mixing Valve is designed to work with manifolds of all types, on 210mm centers. The thermostatic blending valve is a bolt on unit providing a quick and simple system to install.

The thermostatic blending valve is the core of the control system. It is used to flow and return manifolds to control the flow temperature of water to the underfloor heating pipework. It mixes the hot water from the boiler and supplies the water back to the underfloor heating pipe at the correct temperature.

The mixing valve operates at a lower temperature than a radiator system, between 35°C and 60°C depending on the floor construction. The water supply temperature can be adjusted according to the structure of the floor.



Technical Data:

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Maximum temperature	85°C	
Maximum static pressure	10 bar	
Adjustable control range	35°C to 60°C	
Factory pre-set	40°C	
Supply Voltage	220-240V, 50/60Hz	
Motor Protection	Pump does not need external protection	
Protection Leve	IP44	
Insulation Class	H	
Relative Humidity (RH)	Max 95%	
Suction Inlet Pressure	Liquid Temperature	Minimum Inlet Pressure
	<+75°C	0.005 Mpa
	<+90°C	0.028 Mpa
	<+110°C	0.100 Mpa
EMC Standard	EN61000-6-1 and EN61000-6-3	
Sound Pressure Level	The sound pressure level of pump is lower than 42dB(A)	
Ambient Temperature	0 – 70°C	
Temperature Grade	TF110	
Surface Temperature	Maximum surface temperature should not exceed 125°C	
Liquid Temperature	2°C – 110°C	