

Compare parts		(Ours)	Others
Raw Material	Aluminum material	Model number 3003 from Top material suppliers in China with certificates	1 series and 3 series from the small material factory in China without certificates.
	Aluminum board	The thickness is required to be 2mm	The thickness is 1.5mm, 1.8mm (the most), and 1.6mm
	Radiator tape	U-shaped (more fitting, stronger stability. Generally 0.08mm thickness)	V-shaped (poor fit, poor stability, prone to lodging, thickness is generally 0.06mm)
	Flat tube	Raw material is from the listed company, and using high-frequency welding machines, which are strong and durable	Raw material is usually from the supplier factories, and cold drawn pipes are used for welding, which is prone to leakage.
	Welding wire	Imported brand "ESAB" Better welding and durable	Made in China
	Cap	Zinc alloy	Cheap iron sheet, easy to rust and corrode
	Drain valve material	White nylon	Black regular plastic
	Dust cover	Standard Type	No dust cover/simple transparent cover
	Fan	From the domestic major factory	From the domestic small factory
Crafts	Surface treatment	Original color: No need for polishing to achieve other polishing effects	Polishing must be used to cover up defects and scratches caused by production, and polishing may affect the life of the product.
	Welding	Imported brazing equipment, double-track welding technology, and professional manual welding (professional technicians with 10 years experience) with higher requirements	Most of the equipments are from domestic small factories. The welding technology is not high, and the details control (such as welding seams) is not good.
Factory	R&D	Own R&D team、loading test, performance test, wind test, and supports in-depth customization	No R&D, no loading test, no performance testing, no data testing, doesn't support for in-depth customization
	Full process	All processes are completed in-house, Quality guaranteed	Important components are purchased from outside factories. Production progress and product quality can not be controlled.
	Equipments	The production equipment is complete (such as brazing furnaces, pipe making machines, core loading machines, laser cutting machines, CNC machine tools, etc.) Exclusive self-developed core loading machine, greatly improves production capacity	Outdated equipment, mainly manual work
	Capacity	Over 20000pcs/month	Generally 2000-3000pcs/month, and the production capacity is unstable
Quality inspection	Flat tube burst pressure test	Standard is 8.7 MPa Our requirement is 9-10 MPa Random inspections every half hour, every hour, every two hours	According to the minimum requirement of 8.7 MPa, it may only be inspected once a day or no inspection sometimes
	Finished product air tightness test	100% pure water detection (0.125MPa dry air is introduced into the inner cavity, and no leakage is allowed for 1 minute) The cost of testing is higher, but it can better ensure the airtightness of the product	Simple air tightness test or even no inspection sometimes
	Inspection before shipping	100% inspection before shipping	Usually no inspection before shipping
Quality assurance	After-sale service	Self-produced and sold, convenient and professional after-sales service 1year quality assurance	No after-sales service, no warranty period

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