



## Finned tube heat exchanger

High frequency welded aluminum, copper, alloy, titanium finned tubes

Daikure

[www.daikure.co.jp](http://www.daikure.co.jp)

Since 1951, Daikure is the top producer of metal grating in Japan. Welding technology gained from their long experiences are fully utilised in production of finned tubes.

Daikure in 1970, for the first time in Asia produced a high frequency welded spiral finned tube, and now is a well-established provider of heat exchanger from its Japan and Taiwan factories. Daikure finned tubes are manufactured by original production technology that makes it possible to maintain the long-lasting quality level, and to produce finned tubes with various combinations of materials.

Daikure developed aluminum finned tubes ten years ago. Fins are completely welded by high frequency resistance welding process that allows a superior heat transfer efficiency. The maximum operating temperature can achieve up to 400° C, and it is durable against thermal cycling such as daily start & stop operation of a boiler. The aluminum fins resist high pressure washing process.

**DESIGN CASE : ECONOMIZER**

Economizer designed with "Super Aluminum Fintube" becomes 25% smaller and 50% lighter than that designed with Carbon steel fintube.

Fintube type	Fintube (Carbon steel fin)	Super Aluminum Fintube
Tube spec	Stainless Steel φ25.4×t2.3	Stainless Steel φ25.4×t2.3
Fin spec	Carbon steel t1.0×14h×4.23P	Aluminum t0.5×15h×2.99P
Number of fintube	294 pcs	224 pcs
Application size	1200mm×2300mm×2000mm	1200mm×2300mm×1500mm
Weight	4390 kg	2300 kg

**REDUCE VOLUME**  
**SIZE**  
 25% smaller  
**WEIGHT**  
 50% lighter



Daikure Welded Aluminum Fintube



Carbon Steel/Stainless Steel Solid Fintube



Carbon Steel/Stainless Steel Serrated Fintube



Fired Heater Fintube



Copper Fintube



Titanium Fintube



H-Fintube