

VISO
KA

**VISOKA**
Advantage... Finned Tubes



100% Effective fin bond

ISO 9001:2008
BUREAU VERITAS
Certification



BUREAU VERITAS
Certification



Certification
Awarded to

VISOKA ENGINEERING PRIVATE LIMITED



L 4 SIPCOT INDUSTRIAL PARK, PHASE - II, SRIPERUMBUDUR - 602 105,
TAMILNADU, INDIA.

Bureau Veritas Certification (India) Private Limited certify that the
Management System of the above organisation has been audited and found
to be in accordance with the requirements of the standard detailed below

STANDARD
ISO 9001:2008

SCOPE OF SUPPLY

EMBEDDED (G TYPE) AND WRAPPED ON (L, KL, LL TYPE) FINNED TUBES.
MANUFACTURE AND DISPATCH OF
MONO AND BIMETALLIC EXTRUDED FINNED TUBES.

Certification Cycle Start Date: 28 February 2011
Next Recertification Due Before: 03 December 2013
Subject to the continued satisfactory operation of the organisation's Management System,
this certificate expires on: 03 March 2014
Original Certification Date: 14 February 2002
Certificate Number: IND11.7304UIR1 Date: 28 May 2012

Bureau Veritas Certification
using the accreditation
certificate number 008



008

R. K. SHARMA
Director

Certification Body Address: Brandon House, 180 Borough high Street, London SE1 1 LH, United Kingdom.
Local Office Address: "Marwah Centre" 6th Floor, Krishanlal Marwah Marg, Opp. Ansa Industrial Estate,
Off Saki Vihar Road, Andheri (East), Mumbai - 400 072, India.
Further clarifications regarding the scope of this certificate and the applicability of the management system
requirements may be obtained by consulting the organisation.
To check this certificate validity please call : +91 22 6695 6300



VISOKA
Advantage... Finned Tubes



Products

Extruded Bimetallic Finned Tubes

Extruded Mono metallic Finned Tubes

G Finned Tubes

L Finned Tubes

LL Finned tubes

KL Finned Tubes



Visoka Engineering Private Limited (VISOKA) founded in 1999 and managed by professionals.

VISOKA manufactures high quality extruded and applied finned tubes for various industrial heat exchanger applications. The machinery and technology for the manufacture of extruded finned tubes are acquired from Europe. Our manufacturing facility is located in a well developed industrial Estate near Chennai. We have trained man power to handle all the operations.

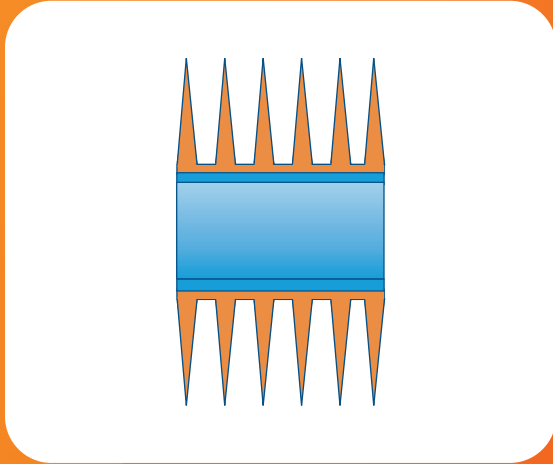


AN ISO 9001:2008
CERTIFIED ORGANISATION

Extruded Bimetallic Finned Tubes

Aluminium fins are formed from a bimetallic tube consisting of a base tube and an aluminium muff tube. The fins are formed on a cold rolling process from the wall thickness of the aluminium muff tube.

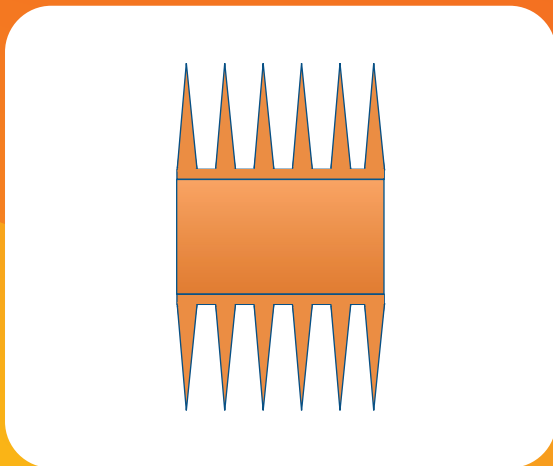
Extruded fin gives very good corrosion protection to the base tube, as the base tube is not visible to the atmosphere in between the fins.



The finned tubes for construction of heat exchangers for the range of temperatures from 233° to 598° K (-40° to 325°C). The fin OD ranging from 38 mm to 82.55mm.

- ▶ Fin Material - Aluminium (or) Copper
- ▶ Tube Material - No theoretical limit

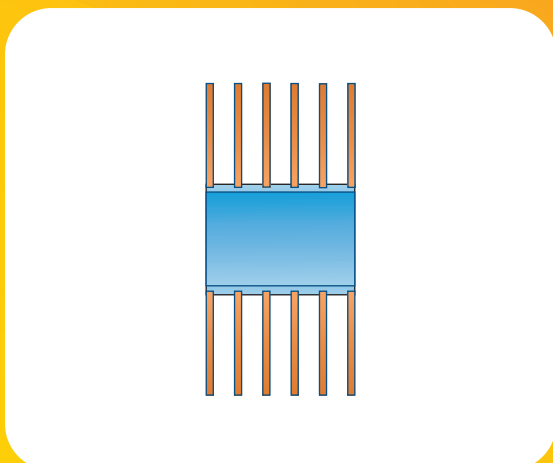
Extruded Mono metallic Finned Tubes



This is similar to the extruded Bimetallic. Except that there is no inner base tube. The tube & fins are made out of the single aluminium tube.

- ▶ Maximum operating TEMPERATURE – 350 Deg C.
- ▶ FIN OD RANGING FROM 38MM TO 57MM

G Finned Tubes

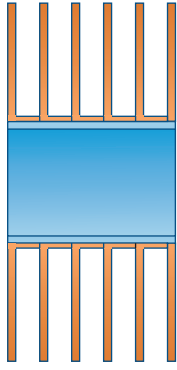


Aluminium fin strip is wound & embedded on a groove and securely locked by closing the groove with the base tube metal. This ensures maximum heat transfer at high temperatures.

Maximum Operating temperature for G fin is 450 deg C.

- ▶ Fin Material - Aluminium (or) copper
- ▶ Tube Material - Carbon steel, Stainless steel, Low alloy steel, copper, copper alloys, copper nickel, aluminium bronze, nickel alloys etc

L Finned Tubes

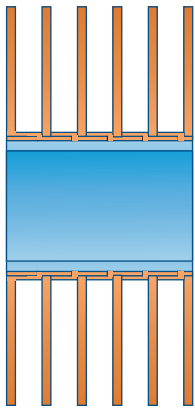


Aluminium fin strip is formed to L shape and then tension wound to the base tube.

Maximum operating temperature for L fin is 150 deg C.

- ▶ Fin Material - Aluminium (or) Copper
- ▶ Tube Material - No theoretical limit

LL Finned Tubes

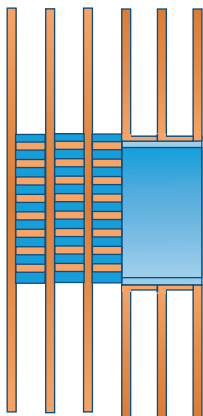


Aluminium fin strip is formed to LL shape and tension wound on the tube with overlapping of fins as shown in the figure.

Maximum operating temperature for LL fin is 180 deg C.

- ▶ Fin Material - Aluminium (or) copper
- ▶ Tube Material - No theoretical limit

KL Finned Tubes

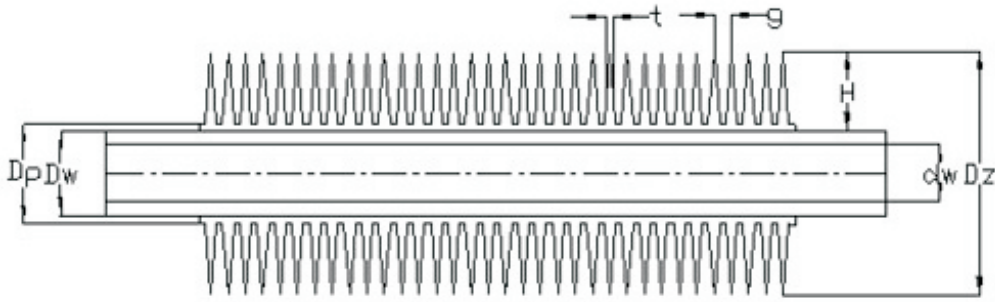


This is manufactured similar to L fin except that the base tube is knurled before wrapping the 'L' shaped fin strip. After wrapping the fin strip, the fin foot is pressed over the tube knurl & tension wound on the base tube to increase the bonding between the tube & fin. This will result in increased heat transfer performance.

Maximum Operating temperature is 260 deg C.

- ▶ Fin Material - Aluminium (or) copper
- ▶ Tube Material - No theoretical limit

BW BIMETALIC, HIGH FINNED TUBES



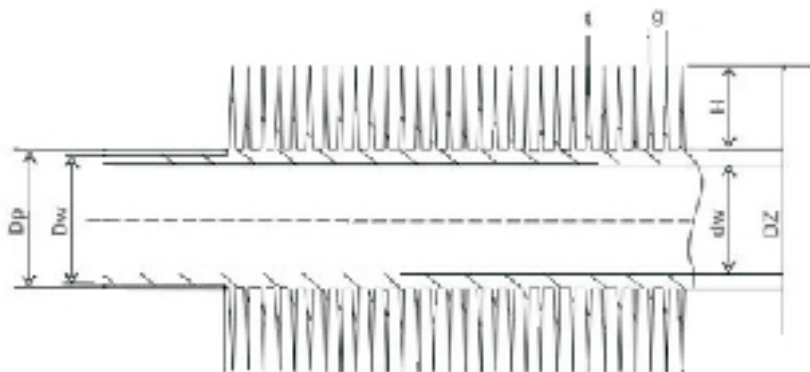
Material :

Fin - Aluminium Alloy - 1050, 1060, 1070, 3003, 6063

Tube - No therotical limit

Type code	Dz Mm	Dp Mm	Dw Mm	Fins per inch	t mm	g mm	Fz (fin outer surface Area) m2
VB - 38.1 - 70 - 2.3	70	39.7	38.1	11	0.4	2.3	2.37
VB - 38.1 - 70 - 2.5	70	39.7	38.1	10	0.4	2.54	2.20
VB - 38.1 - 70 - 2.84	70	39.7	38.1	9	0.4	2.8	1.98
VB - 38.1 - 70 - 3.17	70	39.7	38.1	8	0.4	3.17	1.76
VB - 38.1 - 70 - 3.6	70	39.7	38.1	7	0.4	3.6	1.56
VB - 31.8 - 63.5 - 2.3	63.5	33.4	31.8	11	0.4	2.3	2.11
VB - 31.8 - 63.5 - 2.54	63.5	33.4	31.8	10	0.4	2.54	1.92
VB - 31.8 - 63.5 - 2.8	63.5	33.4	31.8	9	0.4	2.8	1.75
VB - 31.8 - 63.5 - 3.17	63.5	33.4	31.8	8	0.4	3.17	1.56
VB - 31.8 - 63.5 - 3.6	63.5	33.4	31.8	7	0.4	3.6	1.39
VB - 25.4 - 57 - 2.3	57	27.0	25.4	11	0.4	2.3	1.8
VB - 25.4 - 57 - 2.54	57	27.0	25.4	10	0.4	2.54	1.67
VB - 25.4 - 57 - 2.8	57	27.0	25.4	9	0.4	2.8	1.5
VB - 25.4 - 57 - 3.17	57	27.0	25.4	8	0.4	3.17	1.33
VB - 25.4 - 57 - 3.6	57	27.0	25.4	7	0.4	3.6	1.18
VB - 19.05 - 40 - 2.3	40	20.65	19.05	11	0.4	2.3	1.09
VB - 19.05 - 40 - 2.54	40	20.65	19.05	10	0.4	2.54	0.99
VB - 19.05 - 40 - 2.8	40	20.65	19.05	9	0.4	2.8	0.90
VB - 19.05 - 40 - 3.17	40	20.65	19.05	8	0.4	3.17	0.81
VB - 19.05 - 40 - 3.6	40	20.65	19.05	7	0.4	3.6	0.72

Mono Metallic, High Finned Tubes



Material :

Fin - Aluminium Alloy - 1050, 1060, 1070, 3003, 6063

Tube - Aluminium Alloy - 1050, 1060, 1070, 3003, 6063

Specifications

Nr	Dz Mm	Dp Mm	Dw Mm	dw Mm	H Mm	t Mm	g Mm	Fz Mm	FZ/Fw
1	58	33	33	29	12.5	0.35	2.3	1.7	18.88
2	58	33	33	29	12.5	0.35	2.5	1.57	17.44
3	58	33	33	29	12.5	0.35	2.8	1.42	15.74
4	58	33	33	29	12.5	0.35	3.2	1.25	13.88
5	51	29	29	25	11	0.35	2.3	1.33	16.63
6	51	29	29	25	11	0.35	2.5	1.23	15.3
7	51	29	29	25	11	0.35	2.8	1.1	13.8
8	51	29	29	25	11	0.35	3.2	0.98	12.2
9	38	20	20	16	9	0.35	2.5	0.74	14.8

Fz - Surface Area Outside, Fw - Surface area inside

Tolerance: Fin OD (+)0.8 mm (-) 1.2 mm, Fin thickness (+/-) 0.05 mm

APPIICATIONS

Visoka extruded finned tubes are the most sought for various critical Heat Exchange applications viz:

- Radiators
- Evaporators
- Air Cooled Heat Exchangers
- Oil Coolers
- Gas Coolers
- Charge Air Coolers
- Fluid Coolers
- Air Heaters
- Inter Coolers
- After Coolers
- Condensers
- Air Coolers
- Cooling Coils
- Heating Coils
- Dehumidifiers
- Heat Pipes
- Chillers
- Hydrogen Cooler

Market Served

Original Equipment manufacturers, replacement and retrofit

BUREAU VERITAS
Certification



Certification
Awarded to

VISOKA ENGINEERING PRIVATE LIMITED



L 4 SIPCOT INDUSTRIAL PARK, PHASE – II, SRIPERUMBUDUR – 602 105,
TAMILNADU, INDIA.

Bureau Veritas Certification (India) Private Limited certify that the Management System of the above organisation has been audited and found to be in accordance with the requirements of the standard detailed below

STANDARD

ISO 9001:2008

SCOPE OF SUPPLY

**MANUFACTURE AND DISPATCH OF
MONO AND BIMETALLIC EXTRUDED FINNED TUBES
EMBEDDED (G TYPE) AND WRAPPED ON (L, KL, LL TYPE) FINNED TUBES.**

Certification Cycle Start Date: 28 February 2011
Next Recertification Due Before: 03 December 2013

Subject to the continued satisfactory operation of the organisation's Management System,
this certificate expires on: 03 March 2014

Original Certification Date: 14 February 2002
Certificate Number: IND11.7304U/R1 Date: 28 May 2012

R. K. SHARMA
Director

Bureau Veritas Certification
using the accreditation
certificate number 008



008

Certification Body Address: Brandon House, 180 Borough high Street, London SE1 1 LH, United Kingdom.
Local Office Address: "Marwab Centre" 6th Floor, Krishanlal Marwab Marg, Opp. Ansa Industrial Estate,
Off Saki Vihar Road, Andheri (East), Mumbai - 400 072, India.
Further clarifications regarding the scope of this certificate and the applicability of the management system
requirements may be obtained by consulting the organisation.
To check this certificate validity please call : +91 22 6695 6300



Visoka is committed to customer satisfaction through supply of quality products and continual improvement in product, processes and system.

VISOKA



VISOKA
Advantage... Finned Tubes

www.visokaa.com

VISOKA ENGINEERING PRIVATE LIMITED

L 4 SIPCOT INDUSTRIAL PARK, PHASE - II SRIPERUMBUDUR - 602 105, INDIA .

Phone: - 91-44-27168053/27168054 | Fax: 91 - 44 - 27168055 | E-mail: info@visokaa.com