



Thermal Solutions Manufacturing

Aluminum Heavy Duty Products

DALLAS, TX. Plant Capabilities 2020

3051 W. Commerce Dallas, TX. 75212 Phone: 1-800-776-9605 Fax: 214-638-1445

Thermal Solutions Manufacturing's Dallas facility provides same-day service to its local customers and in most cases overnight service on in-stock radiators, condensers, complete truck radiators, charge air coolers, heaters and built to order Serpentine and Flat Fin cores for trucks, off-highway and industrial applications. Thermal Solutions Manufacturing offers coverage for both foreign and domestic passenger cars and light trucks. Our regional manufacturing plants and our national distribution system combine the local service you need with the fast delivery and model coverage you demand. Team up with Thermal Solutions Manufacturing.

Wherever you go, we have your Thermal Solution!

Aluminum Headers & Tube Types

Header types: Flanged, Flat, Bolt On & T-Bar

Header thicknesses: .075", .125", .160"

Flanged



Bolt On



T-Bar



Extruded Tubes

Low Pressure Oil & Water

Up to an estimated Continuous 250 PSI



Low Pressure Air, Oil, Water & Steam

Up to an estimated Continuous 250 PSI



High Pressure Oil & Water

Up to an estimated Continuous 500 PSI



High Pressure Air, Oil, Water & Steam

Up to an estimated Continuous 500 PSI

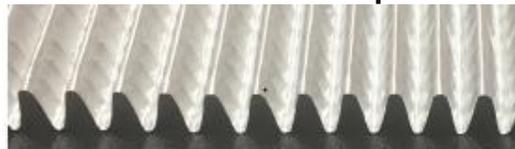


Aluminum Fin & Side Styles

.006" x .310" Tall Non Louvered Thermal Square Bump



.004" x .310" Tall Non Louvered Thermal V-Bump



.004" x .310" Tall Louvered Thermal V-Louvered



Side Options

.063", .125", .190" & .250"

6061-T6 Aluminum Bracket & Tank Options

.080", .125", .190" & .250"



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THERMAL SQUARE-BUMP FIN CHARGE AIR COOLER, AC

CORE DEPTH	1 PC MAX CORE SIZE	.006 THICK x 0.310 TALL NON LOUVERED THERMAL SQUARE BUMP FINS
2 1/4"	66" x 44"	SEVERE DUTY APPLICATIONS UP TO 500 PSI FLAT HEADERS – 0.075", 0.125" & .160" BOLT ON HEADERS – 0.075", 0.125" & .160" FLANGE HEADERS MUST BE 1/2" WIDER THAN CORE T-BAR HEADERS
2 5/8"	66" x 44"	
3	66" x 44"	
3 1/2"	66" x 44"	
4"	66" x 44"	
4 1/2"	66" x 44"	
5 1/2"	66" x 44"	
6 1/4"	66" x 44"	

CORES OVER 66" x 44" CAN BE MADE BY WELDING MULTIPLE BLOCKS FPI 6, 7 1/2, 8, 9, 10, 11 & 12

THERMAL SQUARE-BUMP FIN OIL COOLER, AO

CORE DEPTH	1 PC MAX CORE SIZE	.006 THICK x 0.310 TALL NON LOUVERED THERMAL SQUARE BUMP FINS
1 1/2"	66" x 44"	SEVERE DUTY APPLICATIONS UP TO 500 PSI FLAT HEADERS – 0.075", 0.125" & .160" BOLT ON HEADERS – 0.075", 0.125" & .160" FLANGE HEADERS MUST BE 1/2" WIDER THAN CORE T-BAR HEADERS
2 1/4"	66" x 44"	
2 5/8"	66" x 44"	
3	66" x 44"	
3 1/2"	66" x 44"	
4"	66" x 44"	
4 1/2"	66" x 44"	
6 1/4"	66" x 44"	

CORES OVER 66" x 44" CAN BE MADE BY WELDING MULTIPLE BLOCKS FPI 6, 7 1/2, 8, 9, 10, 11 & 12

THERMAL SQUARE-BUMP FIN RADIATOR, AR

CORE DEPTH	1 PC MAX CORE SIZE	.006 THICK x 0.310" TALL NON LOUVERED THERMAL SQUARE BUMP FIN
1 1/2"	66" x 44"	SEVERE DUTY APPLICATIONS UP TO 500 PSI FLAT HEADERS – 0.075", 0.125" & .160" BOLT ON HEADERS – 0.075", 0.125" & .160" FLANGE HEADERS MUST BE 1/2" WIDER THAN CORE T-BAR HEADERS
2 1/4"	66" x 44"	
2 5/8"	66" x 44"	
3	66" x 44"	
3 1/2"	66" x 44"	
4"	66" x 44"	
4 1/2"	66" x 44"	
6 1/4"	66" x 44"	

CORES OVER 66" x 44" CAN BE MADE BY WELDING MULTIPLE BLOCKS FPI 6, 7 1/2, 8, 9, 10, 11 & 12



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THERMAL V-BUMP FIN, ACV, AOV & ARV

CORE DEPTH	1 PC MAX CORE SIZE	.004 THICK x 0.310 TALL NON LOUVERED THERMAL V-BUMP FIN with EXTRUDED TUBES
		MEDIUM TO HEAVY DUTY APPLICATIONS UP TO <u>250 PSI</u>
1 1/4"	66" x 44"	FLANGE HEADERS - 0.075", MUST BE 1/2" WIDER THAN CORE
2 1/4"	66" x 44"	FLAT & BOLT ON HEADERS - 0.075" & 0.125"
3"	66" x 44"	T-BAR HEADERS ARE <u>ONLY</u> AVAILABLE IN OIL COOLERS & RADIATORS
3 1/2"	66" x 44"	CHARGE AIR COOLERS, OIL COOLERS & RADIATORS
4"	66" x 44"	
4 1/2"	66" x 44"	
CORES OVER 66" x 44" CAN BE MADE BY WELDING MULTIPLE BLOCKS		FPI 8, 9 & 10

THERMAL V-LOUVERED FIN, ACL, AOL & ARL

CORE DEPTH	1 PC MAX CORE SIZE	.004 THICK x 0.310" TALL LOUVERED THERMAL BUMP FIN with EXTRUDED TUBES
		LIGHT & MEDIUM DUTY APPLICATIONS UP TO <u>250 PSI</u>
1 1/2"	66" x 44"	FLANGE HEADERS - 0.075", MUST BE 1/2" WIDER THAN CORE
2 1/4"	66" x 44"	FLAT & BOLT ON HEADERS - 0.075"
3"	66" x 44"	T-BAR HEADERS ARE <u>ONLY</u> AVAILABLE IN OIL COOLERS & RADIATORS
		CHARGE AIR COOLER, OIL COOLERS & RADIATORS
CORES OVER 66" x 44" CAN BE MADE BY WELDING MULTIPLE BLOCKS		FPI 11, 12 & 13

EXTRUDED ALUMINUM TANKS, AT

IN STOCK SIZES		EXTRUDED TANKS, UP TO 96" IN LENGTH
W x H	W x H	
2 1/4" x 2"	2 5/8" x 2"	
3" x 2"	3 1/2" x 2"	
3 1/2" x 2 1/2"	4 1/2" x 2"	
4 1/2" x 2 1/2"	5 1/2" x 3"	
6 1/4" x 2"	6 1/4" x 3"	
SPECIAL ORDER SIZES		
REQUIRE ADDITIONAL TIME		