

NOTICE OF COMPLETION
AND
AUTHORIZATION TO APPLY THE UL MARK



November 27, 2018

Mr. George Western
Zyklus Heat Transfer Inc.
1488 N Bolton St
Po Box 60
Jacksonville, TX, 75766-0060, USA

Our Reference: File SA33458, Vol 1

Order: 12581806
Project: 4788742449

Your Reference: George Western 10/30/2018

Project Scope: USR/CNR – Evaluation of the Condenser/Evaporator Coil, Model S.

Dear Mr. Western:

Congratulations! UL's investigation of your product(s) has been completed under the above Reference Number and the product was determined to comply with the applicable requirements. This letter temporarily supplements the UL Follow-Up Services Procedure and serves as authorization to apply the UL Mark at authorized factories under UL's Follow-Up Service Program. To provide your manufacturer(s) with the intended authorization to use the UL Mark, you must send a copy of this notice to each manufacturing location currently authorized under File SA33458, Vol 1.

Records in the Follow-Up Services Procedure covering the product are now being prepared and will be sent in the near future. Until then, this letter authorizes application of the UL Mark for 90 days from the date indicated above.

Additional requirements related to your responsibilities as the Applicant can be found in the document "Applicant responsibilities related to Early Authorizations" that can be found at the following web-site:
<http://www.ul.com/EAResponsibilities>

Any information and documentation provided to you involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL.

We are excited you are now able to apply the UL Mark to your products and appreciate your business. Feel free to contact me or any of our Customer Service representatives if you have any questions.

Very truly yours,

Ignacio Dueñas
Staff Engineer
Ignacio.Duenas@ul.com

Reviewed by:

Bruce A. Mahrenholz
CPO Director
Bruce.A.Mahrenholz@ul.com

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UL RECOGNIZED COMPONENT MARK

UL Component Recognition means that UL has evaluated components or materials intended for use in a complete product or system. These components are intended only for end-use products that may be eligible for UL certification.

Because UL Recognized Components are intended for specific applications, Marks or symbols using the letters “U-L” can never be used in connection with the advertising or promotion of UL Recognized Components. The appropriate symbol for promoting a UL Component Recognition is the UL Recognized Component Mark. Products using the UL Recognized Component Mark are ineligible to use a promotional badge.

References to UL Component Recognition

Sample correct references

Incorrect references

UL Recognized Component.

UL Approved Component.

Recognized under the Component
Recognition Program of UL.

UL Certified Component.

UL Listed Component.

UL Classified Component.

This [component or material] is
Recognized by UL. Representative
samples of this component have
been evaluated by UL and meet
applicable UL requirements.

Exceeds UL requirements.



Marking:

Type	Material	Working press (Design)	Burst Press
Z	3/8 x .012 copper hairpin	450	2250
Y	½ x .016 copper hairpin	440	2200
K	5/16 .012 copper hairpin	450	2250
L	5/16 x .016 copper hairpin	520	2600
S	3/8 X .016 copper hairpin ¹	600	3000

Each component must show:

Company: Zyklus

Symbol: Recognized component 

Type: Single letter type designation from above

Pressure: Design pressure for stated model type

In addition, each carton or container leaving Zyklus must have attached a label stating:

“The design pressure marked on this component shall not be less than the installed system working pressure or less than the values outlined in ASHRAE 15 for the charged refrigerant. After charging, mark the unit with the refrigerant type and oil used. This unit is not suitable for use with ammonia (R717).”

¹ For type “S” coil, must use .025 wall return bend.

CERTIFICATE OF COMPLIANCE

Certificate Number 20150328-SA33458
Report Reference SA33458-20101026
Issue Date 2015-MARCH-28

Issued to: ZYKLUS HEAT TRANSFER INC
1488 N BOLTON ST
PO BOX 60
JACKSONVILLE TX 75766

**This is to certify that
representative samples of** COMPONENT - CONDENSERS, REFRIGERANT;
COMPONENT - EVAPORATORS, REFRIGERANT
Models K, L, Y, and Z.

Have been investigated by UL in accordance with the
Standard(s) indicated on this Certificate.

Standard(s) for Safety: UL 207, Refrigerant-Containing Components and
Accessories, Nonelectrical;
CSA C22.2 No. 140.3-09, Refrigerant-Containing
Components for use in Electrical Equipment

Additional Information: See the UL Online Certifications Directory at
www.ul.com/database for additional information

Only those products bearing the UL Certification Mark should be considered as being covered by UL's
Certification and Follow-Up Service.

Recognized components are incomplete in certain constructional features or restricted in performance
capabilities and are intended for use as components of complete equipment submitted for investigation rather
than for direct separate installation in the field. The final acceptance of the component is dependent upon its
installation and use in complete equipment submitted to UL LLC.

Look for the UL Certification Mark on the product.

B. Mahrenholz

Bruce Mahrenholz, Assistant Chief Engineer, Global Inspection and Field Services

UL LLC

Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL. For questions, please
contact a local UL Customer Service Representative at <http://ul.com/aboutul/locations/>

