



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

HEAT TRANSFER RESEARCH INC., RESEARCH AND TECHNOLOGY CENTER  
160 Research Drive  
Navasota, TX 77868  
Doug Becker Phone: 979 690 3290  
Email: [doug.becker@htri.net](mailto:doug.becker@htri.net)

MECHANICAL

Valid To: April 30, 2020

Certificate Number: 3996.01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following tests on liquid to liquid heat exchangers:

<u>Test Description</u>	<u>Parameters<sup>1</sup></u>	<u>Test Method(s)</u>
Cold Water Loop Pressure	Maximum Operating Pressure 101.0 ± 0.13 psia	ANSI/AHRI Standard 400
	Minimum Operating Pressure 14.5 ± 0.13 psia	
Temperature	Maximum Operating Temperature 125 ± 0.03°F	
	Minimum Operating Temperature Greater of Wetbulb plus 5 ± 0.03 °F or 40 ± 0.03 °F	
Flow	Maximum Flow Rate 1200 ± 2.9 gpm	
	Minimum Flow Rate 190 ± 1.9 gpm	
Hot Water Loop Pressure	Maximum Operating Pressure 101.0 ± 0.13 psia	ANSI/AHRI Standard 400
	Minimum Operating Pressure 14.5 ± 0.13 psia	

Withdrawn

**Test Description**

**Parameters<sup>1</sup>**

**Test Method(s)**

Hot Water Loop (cont'd)  
Temperature

Maximum Operating Temperature  
 $150 \pm 0.03$  °F

Minimum Operating Temperature  
Greater of Wetbulb plus  $5 \pm 0.03$  °F  
or  $40 \pm 0.03$  °F

ANSI/AHRI Standard 400

Flow

Maximum Flow Rate  
 $1200 \pm 2.9$  gpm

Minimum Flow Rate  
 $190 \pm 1.9$  gpm

**Withdrawn**





## Accredited Laboratory

A2LA has accredited

### HEAT TRANSFER RESEARCH INC., RESEARCH AND TECHNOLOGY CENTER

Navasota, TX

# Withdrawn

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005 *General requirements for the competence of testing and calibration laboratories*. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communiqué dated April 2017).



Presented this 28<sup>th</sup> day of August 2018.

A handwritten signature in black ink, written over a horizontal line.

President and CEO  
For the Accreditation Council  
Certificate Number 3996.01  
Valid to April 30, 2020

*For the types of tests to which this accreditation applies, please refer to the laboratory's Mechanical Scope of Accreditation.*