



## SECTION VIII, DIV.1 TRAINING SEMINAR

This three day training seminar will consist of lectures and training leading attendees through the use of Section VIII, Div. 1 the instructor will show in the Code, where answers to common and some uncommon questions can be found.

- ASME history and general policies
- Design, Including cylindrical components under internal and external pressure, head calculations, and reinforcement of openings
- Materials, A general overview of Code requirements and details on calculating Minimum Design Metal Temperatures
- Fabrication, A general overview and discussion of Section VIII, Div. 1 fabrication and welding requirements
- Heat Treatment, Detailed discussion of Section VIII, Div.1 PWHT requirements focusing on Low Alloy, High Alloy Carbon Steels
- NDE per Section VIII, Div. 1, Brief discussion of the requirements of Section VIII, Div.1 including RT, UT, MT and PT
- Pressure Testing, Stamping and Data Reports, Calculation of test pressures, gauge range determination, stamping requirements and discussion of the Code required Data Reports

*Note: Code Books are NOT Provided. Please bring a copy as they are very helpful in the learning process*

In training sessions attendees will use their Code Books with instructor guidance to answer questions relating to the Code. These questions will include design, materials, fabrication, pressure testing, stamping and documentation.

The questions are asked at random and attendees will use Section VIII, Div. 1, in depth. Training sessions are standalone for attendees who want to reinforce their knowledge of Section VIII, Div. 1.



## SECTION IX TRAINING SEMINAR

This two day training seminar provides instruction on the organization and use of Section IX. Included in the seminar is the development and review of a WPS, a PQR and a WPQ.

### **General**

- The Purpose of Section IX
- The Organization of Section IX
- Responsibilities
- Processes Addressed

*Note: Code Books are NOT Provided. Please bring a copy as they are very helpful in the learning process*

### **Welding Procedures**

- Definition of Terms (i.e., WPS, PQR, Etc.)
- Explanation of essential, non-essential and supplementary essential variables
- How to write and review a welding procedure using Section IX
- Limits of Section IX
- Revisions to documents
- Qualifying a Welding Procedure including required testing
- Use of Important tables from Section IX
- General Variables

### **Performance Qualifications (Welders)**

- Responsibilities
- Performance Variables
- Record Requirements
- Mechanical and Radiographic Testing
- Acceptance Criteria

This seminar can also be combined with other training seminars, such as the Section VIII, Div. 1, providing attendees with hands on use of the Code by answering pre-established questions with instructor guidance.

Alabama Heat Exchangers, Inc.

P.O. Box 174

Theodore, AL 36590

Phone : (251) 653-1166

Fax : (251) 653-1104

[www.heatexchanger.com](http://www.heatexchanger.com)



**ASME/NBIC SEMINAR REGISTRATION FORM  
MOBILE, AL AUGUST 17<sup>TH</sup>-21<sup>ST</sup> 2020**

Name: \_\_\_\_\_ Title: \_\_\_\_\_  
Name: \_\_\_\_\_ Title: \_\_\_\_\_  
Name: \_\_\_\_\_ Title: \_\_\_\_\_  
Name: \_\_\_\_\_ Title: \_\_\_\_\_  
Company: \_\_\_\_\_  
Address: \_\_\_\_\_  
City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_  
Telephone: \_\_\_\_\_ Email: \_\_\_\_\_

*Please provide an email address for registration confirmation and seminar information.*

August 17-19, 2020 ASME Section VIII, Div 1 (3 Days)  
Fee: \$ 900.00 per person: # of attendees \_\_\_\_\_ x \$900.00 = \$ \_\_\_\_\_

August 20-21, 2020 ASME Section IX (2 Days)  
Fee: \$600.00 per person # of attendees \_\_\_\_\_ x \$600.00 = \$ \_\_\_\_\_

Total Fees Included: \$ \_\_\_\_\_ Check # \_\_\_\_\_

Training Seminars will be held from 8:00 AM to 4:00 PM.

Please submit and make your checks payable to:  
Alabama Heat Exchangers, Inc.  
P.O. Box 174  
Theodore, AL 36590

Credit card payment is currently being accepted by phone; just call (251) 653-1166.  
You can also visit <http://www.heatexchanger.com> to pay online

**Seminar Location:**

**Hampton Inn Mobile - East Bay/Daphne  
29451 US Hwy 98 Daphne, AL 36526  
Phone: (251) 626-2220**

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