Hose Master University 101

Metal Hose 101 - 2 Day Course

Based on Hose Master's level of expertise, Metal Hose 101 is the definitive metal hose course. It focuses on corrugated and stripwound hose while integrating the fundamentals of application and sales.

- History of metal hose and Hose Master's role in defining it
- When to use metal hose and how it works
- Understanding alloys and selecting the best hose for the application
- Hose Master's proprietary forming advantage
- Special options, accessories, and fabrication techniques that maximize performance
- In-depth analysis of common failure modes and how to identify them
- Technical instruction on the various hose movements
- The effects of pressure, temperature, vibration, and flow velocity on hose performance
- How to conduct a hose inspection survey
- Detailed review of specific applications in various industries, including product recommendations

Participants of HMU Metal Hose 101 will cover the course material necessary to complete the NAHAD exam for Certification for Corrugated Metal Hose Assembly Specifications

Expansion Joints 101 - 2 Day Course

Expansion Joints 101 provides in-depth product training and detailed application analysis of more than twelve major styles of expansion joints.

Students will interface with Hose Master's team of expansion joint engineers, designers, and application specialists. Class work is combined with plant visits to follow an expansion joint through the entire manufacturing process.

- Types of expansion joints
- Selecting and designing the proper expansion joint
- Accessories and hardware options
- Product function and attributes
- Axial compression and extension, angular deflection, lateral offset
- Spring rates, pressure thrusts, and their effects on piping systems
- Pipe anchoring systems
- Applications by industry
- Common modes of failure



Hose Master Selling Tools

Value Selling - 1 Day Course

Value Selling integrates the knowledge gained from Metal Hose 101 and Expansion Joints 101 with today's best sales practices to ensure you become your customers' trusted advisor. Learn to evaluate issues in the field, offer solutions and quantify the value of products and services.

Application Selling by Industry - 90 Minute Webinar Series

The Webinars combine the knowledge gained from attending HMU with practical in-field product know-how. Industries include: Bulk Transfer, Chemical, Petrochemical, Power Generation, Pulp & Paper, Refining, Shipbuilding, Steel Mills, Utilities & Power, Water & Wastewater Treatment.

- Types of facilities found in each industry
- Current State-of-the-Industry
- Industry-specific role metal hose and expansion joints play
- In-plant surveys: Questions to ask to solidify your role as an industry expert
- Proper hose and expansion joint installation and handling techniques
- Hose types and expansion joint styles used in the industry
- Why you and Hose Master can provide benefits not found anywhere else

Hose Master University 201

HMU 201 - One Day Course On-Site Training

HMU 201 is the ultimate course in understanding metal hose and expansion joint opportunities within six major industrial markets. Each comprehensive presentation covers the types of facilities found within the industries and focuses on the departments and applications where flexible metal products are used.

Industries Covered:

- HMU 201-01 Power Utilities
- HMU 201-02 Chemical
- HMU 201-03 Steelmaking
- HMU 201-04 Oil & Gas Refining
- HMU 201-05 Bulk Material Handling
- HMU 201-06 Pulp & Paper

Topics Covered:

- Current State-of-the-Industry
- Departments, Applications, & Opportunities
- Industry-specific role metal hose and expansion joints play
- Impact of Industry pertinent standards and certifications
- In-plant surveys: Questions to ask to solidify your role as an industry expert
- Proper hose and expansion joint installation and handling techniques
- Hose types and expansion joint styles used in the industry
- Why you and Hose Master can provide benefits not found anywhere else

HMU 201 Prerequisites:
Attendance in Metal Hose 101 and Expansion Joints 101



Hose Master Welder Training and Recognition

Welder Training to Hose Master Fabricating Techniques



Send your welders to Hose Master's Cleveland, Ohio headquarters for hands-on training according to Hose Master fabricating techniques with its team of ASME IX Certified welders. To qualify for this program, welders must have successfully completed at least a basic welder training class.

Completion of a Weld Training Questionnaire is required to determine welder's skill level and number of days (1 - 3) needed for the training session. Please note that this course does not certify a welder but familiarizes them to Hose Master welding techniques.

Welder Evaluation Program

Fabricating distributor welders can send welded assembly samples to Hose Master for skill evaluation testing. If the assemblies pass the evaluation, a Certificate of Recognition will be issued. Distributors will also be provided the reason(s) for failure. Issued Hose Master Skill Evaluation Test certificates are valid for two years.

This program does not qualify or certify the welder, but recognizes their ability to fabricate assemblies to Hose Master Procedure EG190W.



Frank Caprio
Corporate Trainer, Major Market Specialist, & Dean of Hose Master University

Frank Caprio has more than 35 years of experience in hydraulic, industrial, metal hose and expansion joint product solutions.

He is nationally recognized as a leading authority in metal hose and their applications. His expertise in product knowledge has led him to author various articles for industry publications and become a sought-after source for industry facts and trends.

On-Site & Field Training



Hose Master offers on-site and field training to its distributor network. Hose Master's knowledgeable and experienced sales staff is available for Lunch & Learn sessions as well as field application assistance.

For more information on any of Hose Master University courses or training, please visit www.hosemaster.com or call Hose Master directly at (800) 221-2319.

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Cleveland • Houston • Atlanta • Reno

ISO 9001
Registered Quality System
NAHAD Metal Hose Listed Manufacturer





EDUCATIONAL COURSE CATALOG



Metal Hose 101

Expansion Joints 101

Value Selling

Application Selling by Industry

HMU 201

Welder Training & Recognition

On-Site & Field Training