ENGINEERING TRAINER

BOSfluids Basics

This BOSfluids basics course introduces the interface and the first steps in using this water hammer analysis software.. It covers piping tabs, valves, boundary conditions, analysis setup, scenarios, result review, custom plots and the extraction of unbalanced forces. This self-paced online course includes video lectures and a completion certificate with PDH credits.

Buy This Course

Request a Quote or Invoice

ONLINE	SELF-PACED	1-YEAR ACCESS
2 MODULES	2 PDH	1.8 HOURS

TRUSTED BY ENGINEERING TEAMS WORLDWIDE

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What you'll learn

We will walk you through the essential basics of the waterhammer analysis software BOSfluids, from navigating the interface and using piping tabs to exploring viewer options. Learn how to add valves, set boundary conditions, and run analyses with confidence. You will also discover how to review results, manage scenarios, and create customized plots. Plus, we will show you how to make the most of the components database, help windows, and pipe editing tools, all leading up to a hands-on water hammer tutorial.

Perfect for engineers and fluid dynamics professionals who want to hit the ground running with BOSfluids.

Skills you'll gain

- ✓ can create and edit a basic piping model in BOSfluids
- ✓ can add valves and boundary conditions to a model
- ✓ can set up and run a basic analysis
- ✓ can review results, compare scenarios and create custom plots

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About the instructor

Dynaflow Research Group

Dynaflow Research Group is an engineering consultancy working across piping design and analysis, flow dynamics, vibration, FRP piping, pressure equipment and specialist engineering software. Its experience includes EN and ASME design rules for piping and pressure vessels, buried piping, water hammer, pulsation, dynamic stress assessment, vibration measurement, FEA tools, BOSfluids, BOSpulse, PV Elite and NozzlePRO workflows.

Who this course is for

- ✓ Piping engineers starting to use BOSfluids for water-hammer analysis
- ✓ Process engineers who need to build or review basic BOSfluids models
- ✓ Mechanical engineers who need to interpret BOSfluids models and results

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Course content

BOSfluids Introduction to Pressure Surges

- Pressure Surges & their Causes
- Incidents Resulting from Pressure Surges
- Pressure Surge Analysis - Steady State
- Pressure Surge Analysis - Transient
- Pressure Surge Impact Reduction
- Quiz

BOSfluids Demonstration

- Creating a New Model
- Database
- Add a Valve
- Complete the Model
- Edit Elements
- Edit Nodes
- Viewer Options
- Define an Analysis
- Review Results: Part 1
- Add Scenarios
- Review Results: Part 2
- Unbalanced Forces
- Structural Model
- Structural Analysis
- Water Hammer Tutorial