

Hydronic/Solar Training Program

A four part series involving radiant heating itself, mechanical components/piping, controls/zoning and heat source sizing and installation. We offer a range of classes throughout California and Nevada to help you become a proficient hydronic contractor.

Radiant Basics

by Morgan Muir (\$65 Lunch and Manuals Included)

Do's, don'ts and design principals of radiant floor heating Including heat source selection, piping and switching controls. A practical overview for any installing contractor or designer.

<input type="checkbox"/>	Wednesday, Feb 24	8:30 am to 4:30 pm	JTG Muir, 4723 Tidewater Ave. • Oakland, CA 94601
<input type="checkbox"/>	Tuesday, Jun 01	8:30 am to 4:30 pm	JTG Muir, 4723 Tidewater Ave. • Oakland, CA 94601
<input type="checkbox"/>	Tuesday, Sep 14	8:30 am to 4:30 pm	JTG Muir, 4723 Tidewater Ave. • Oakland, CA 94601

Hydronics - Mechanical Basics

by John Grose (\$25)

Sizing and selecting Circulators, Variable Speed, Air elimination, Expansion Tanks, Component configuration, Primary/Secondary, Hydraulic Separation, Pipe Sizing, Mechanical Modules. The nuts and bolts of the mechanical room and beyond.

<input type="checkbox"/>	Thursday, Feb 25	8:30 am to 12:00 pm	JTG Muir, 4723 Tidewater Ave. • Oakland, CA 94601
<input type="checkbox"/>	Thursday, Apr 15	8:30 am to 12:00 pm	JTG Muir, 4723 Tidewater Ave. • Oakland, CA 94601
<input type="checkbox"/>	Thursday, May 27	8:30 am to 12:00 pm	JTG Muir, 4723 Tidewater Ave. • Oakland, CA 94601

Condensing Boilers, Condensing Installation, Servicing Water Heaters

by John Grose (\$35 Lunch and Manuals Included)

Installation and servicing basics for Munchkin, Munchkin Contender, Elite, Evolution, Modcon, Phoenix, Onyx and Phoenix Solar condensing boilers and water heaters. Installation dos and don'ts, including piping, pumping, venting, condensate removal, electrical and combustion analysis **plus live boilers and water heaters!!...**

<input type="checkbox"/>	Thursday, Feb 11	8:30 am to 4:00 pm	JTG Muir, 4723 Tidewater Ave. • Oakland, CA 94601
<input type="checkbox"/>	Tuesday, Apr 06	8:30 am to 4:00 pm	JTG Muir, 4723 Tidewater Ave. • Oakland, CA 94601
<input type="checkbox"/>	Wednesday, May 12	8:30 am to 4:00 pm	JTG Muir, 4723 Tidewater Ave. • Oakland, CA 94601

Control Basics

by Michael Ericksen (\$25)

Learn the purpose of / how to install zone switching controls for pumps and zone actuators, outdoor

reset basics, mixing strategies, variable speed circulators and more.

<input type="checkbox"/>	Tuesday, Feb 23	8:30 am to 12:30 pm	JTG Muir, 4723 Tidewater Ave. • Oakland, CA 94601
<input type="checkbox"/>	Tuesday, May 25	8:30 am to 12:30 pm	JTG Muir, 4723 Tidewater Ave. • Oakland, CA 94601

Solar Thermal,

by Morgan Muir and Guest speaker \$50 / \$25 for half day

The class features the design and installation of Solar Thermal Systems solar hot water heaters, Phoenix Solar system and Boiler solar systems. Sizing and selecting SRCC certified solar systems that feature Total System Efficiency. Collectors, tanks, circulators, controls and system installation.

<input type="checkbox"/>	Thursday, Mar 04	8:30 am to 03:30 pm	JTG Muir, 4723 Tidewater Ave. • Oakland, CA 94601
<input type="checkbox"/>	Thursday, Apr 01	8:30 am to 03:30 pm	JTG Muir, 4723 Tidewater Ave. • Oakland, CA 94601
<input type="checkbox"/>	Tuesday, May 11	8:30 am to 03:30 pm	JTG Muir, 4723 Tidewater Ave. • Oakland, CA 94601
<input type="checkbox"/>	Tuesday, Jun 08	8:30 am to 03:30 pm	JTG Muir, 4723 Tidewater Ave. • Oakland, CA 94601

Tekmar Simply House Control

by Michael Ericksen

Communicating thermostat, basic zoning, better boiler control, synchronization boiler feedback

<input type="checkbox"/>	Wednesday, Mar 24	8:30am to 12:30pm	JTG Muir, 4723 Tidewater Ave. • Oakland, CA 94601
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Wrightsoft Radiant Design Software Training by Zurn,

Want to get professional? This is a full day of radiant software design for engineers and mechanical contractors who wish to do their own radiant heating design and layout. Conducted by Frank Mazzarese of Zurn. You will learn heat loss, radiant sizing, click and paste manifold location and loop layout.

Bring your own laptop!!! \$150, Zurn Wrightsoft Software (\$250 value), Manual and Lunch included

YES!

I want to attend
(Choose your registration method below)

Use the check boxes next to each class to indicate the one(s) you would like to attend and then fax back the pages with information filled out below

- Fax in your registration to 510-434-3140 • Call in your registration! (800) 493-8432
- * Complete location information and class details will be sent upon registration

Name _____ Company _____

Address _____ City _____ State _____ Zip _____

Phone (____) _____ Fax (____) _____ Email _____

Credit Card # _____ Exp. Date _____