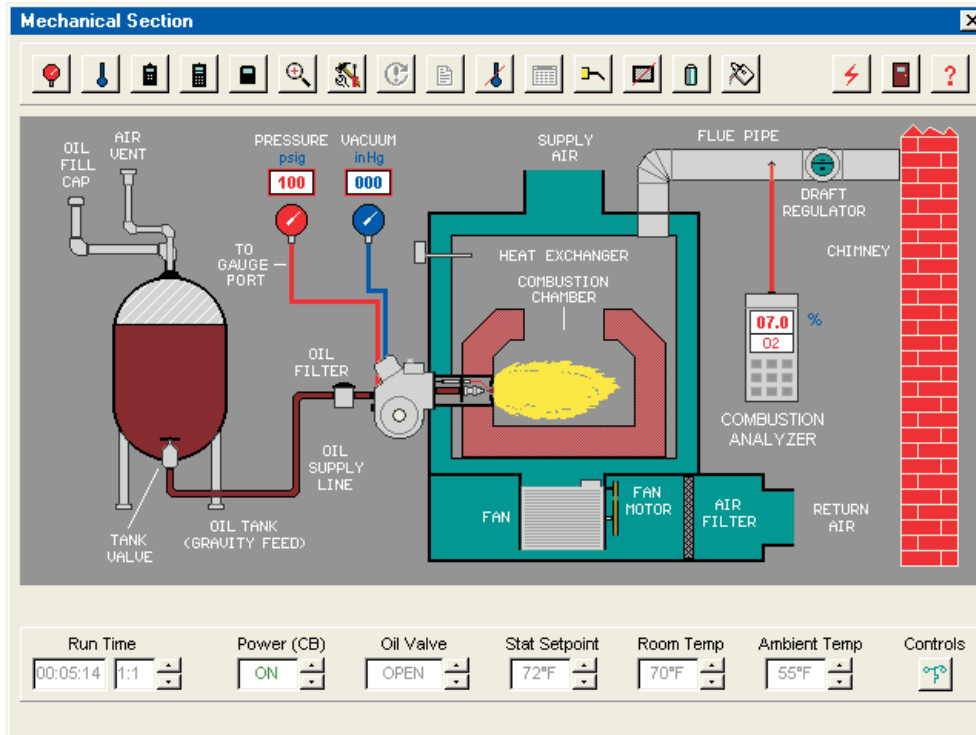


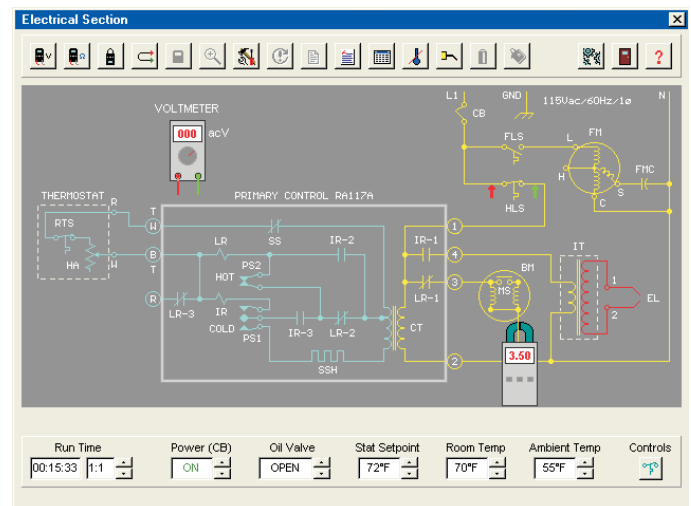
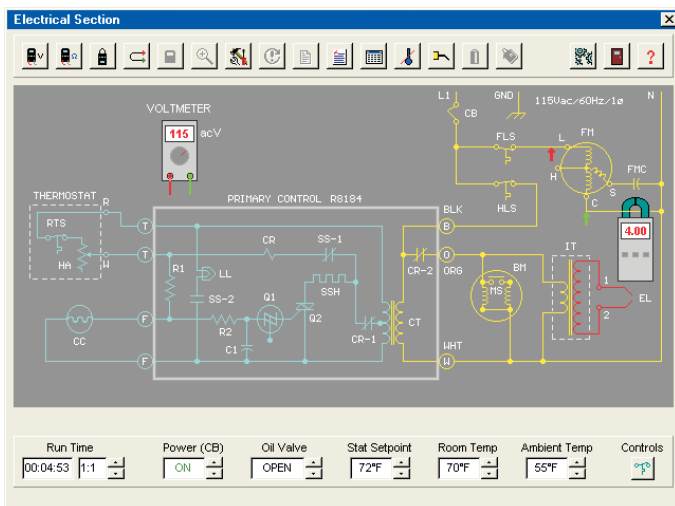
OIL FURNACE SIMULATOR SIMUOIL™



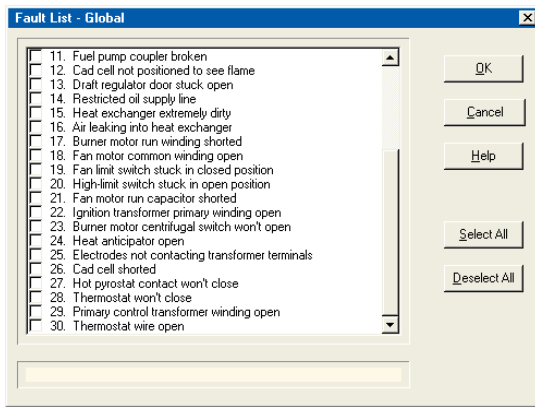
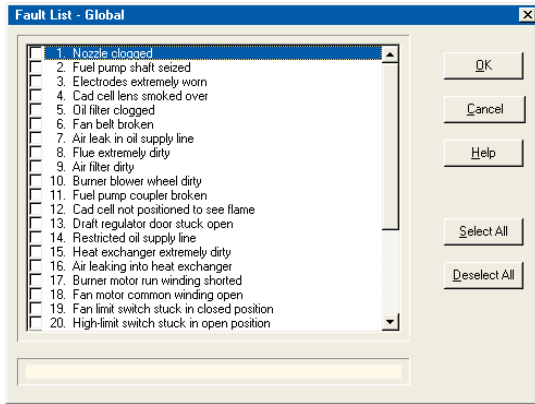
SIMUOIL™ simulates four common configurations of *generic* oil furnaces. These include two types of **primary controls**, *cad cell* and *stack-mounted*, as well as two types of **oil supply systems**, *one-pipe gravity feed* and *2-pipe buried tank*.

Animated mechanical and electrical schematic diagrams of the simulated oil furnace are provided in “real-time”. The **mechanical diagrams** show the flame, fuel flow, and blower rotation. In the **electrical ladder diagrams**, the controls and switch

contacts constantly change state as the furnace operates. The trainee can “zoom” into the furnace to visually inspect various components, including the electrodes, cad cell, and fan belt, and check for dirty filters, heat exchanger, and flue pipe. Room and ambient temperatures, room thermostat, limit switches, burner air shutter, draft regulator, fuel pump pressure, and electrodes are all adjustable. Room and ambient temperatures, in either *Fahrenheit* or *Celsius*, are constantly updated and displayed. Up to 30 commonly encountered



OIL FURNACE SIMULATOR *SIMUOIL*™



- | | |
|--------------------|----------------------|
| Burner | Ignition transformer |
| Fuel pump | Control transformer |
| Nozzle | Electrodes |
| Combustion chamber | Cad cell |
| Heat exchanger | Pyrostat |
| Draft regulator | Safety switch |
| Flue pipe | Fan limit switch |
| Air filter | High-limit switch |
| Oil tank valve | Centrifugal switch |
| Primary control | Room thermostat |
| Fan motor | Heat anticipator |
| Burner motor | Motor run capacitor |
| | Circuit breaker |

SIMUOIL provides testing and troubleshooting of the devices listed above, which are commonly found in oil furnaces.

SYSTEM REQUIREMENTS

SIMUOIL requires the following minimum IBM compatible computer:

- Pentium, Core, or equivalent processor (32 or 64-bit)
- Windows XP, Vista, 7, 8, 8.1, 10
- Hard drive, 18MB available disk space

SIMUOIL network version is compatible with Novell and Windows Server 2003, Server 2008, Server 2012

mechanical and electrical faults may be selected, as shown in the *Fault Lists* above.

SIMUOIL provides easy-to-use “point-and-click” selection of meters and test points, which are saved to an *Instrument Log* to monitor the users’ troubleshooting skill. Temperatures may be displayed in either *Fahrenheit* (°F) or *Celsius* (°C), and pressures may be displayed in either *imperial* (psig/in. w.c.) or *metric* (kPa). The on-screen instruments include:

- | | |
|------------------|-----------------------|
| • Draft gauge | • Combustion analyzer |
| • Fuel gauge | • Smoke tester |
| • Pressure gauge | • Voltmeter |
| • Vacuum gauge | • Ohmmeter |
| • Thermometers | • Clamp-on ammeter |



ORDERING INFORMATION

SIMUOIL™ Oil Furnace Simulator

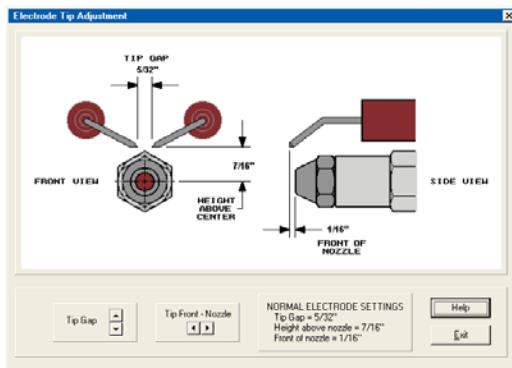
Standalone Licenses

MO-500	1 computer license	\$795.00
MO-505	5 computer licenses	\$1,395.00
MO-511	10 computer licenses	\$1,795.00
MO-515	15 computer licenses	\$2,095.00
MO-520	20 computer licenses	\$2,395.00

Network Licenses

MO-540	10 seats	\$1,695.00
MO-560	25 seats	\$1,995.00
MO-570	50 seats	\$2,795.00

For further prices and ordering information, please see Page 20



ORDERING INFORMATION

METHODS OF ORDERING

MAIL

Simutech Systems, Inc.
PO Box 7212
Beaverton OR 97007 (U.S.A.)

PHONE

(800) 648-6209 (USA & Canada)
(503) 649-9076
Hours: 8:00 am to 5:00 pm Pacific Time

FAX

(503) 649-8972

ON-LINE STORE / E-MAIL

www.simutechsystems.com
sales@simutechsystems.com

METHODS OF PAYMENT

U.S. CUSTOMERS

- Purchase Order from government agency, school, or corporation (OAC), Net 30-days
- Visa, MasterCard, or American Express
- Prepaid by check



CANADA & INTERNATIONAL CUSTOMERS

- Purchase Order from government agency or school, Net 30-days, payable in U.S. funds
- Visa, MasterCard, or American Express
- Prepaid by International Bank Check, payable in U.S. funds

SHIPPING

All orders are shipped *FOB shipping point* and a shipping charge is added to invoice. Shipment is normally via *UPS ground* in USA and *UPS Air* to Canada and international. *Next-day* or *second-day air* is available upon request. For Canada and international orders, GST, local taxes, and duty are not included in our prices.

Orders are normally shipped within 24-hours

SYSTEM CONTENTS

Each simulator system includes the following:

- CD-ROM
- User's Manual
- Instructor's Manual
- Technical Support, unlimited, with toll-free number (USA and Canada)

- (1) Additional licenses are required if simulators are installed and used on more than one standalone computer at same campus or training facility
- (2) Network versions are valid for installation on a LAN server at one campus or training facility, for concurrent use by maximum licensed users
- (3) Network versions for more than 50 users are also available
- (4) May be used on tablets and iPads when a remote access server is used

Prices are subject to change without notice

Note: Simutech reserves the right to refuse any order, including shipment to countries where prohibited by U.S. export laws or lacking proper international copyright protection. Export, reshipment, or resale is prohibited without prior written permission, subject to U.S. export laws.

INSTRUCTOR INTERFACE MODULES

These *optional* programs are installed on the instructor's computer to *preselect faults* for all users at one time. Using a CD or flash drive, the faults are then uploaded to each workstation. In addition, when a printer isn't available at each workstation, these interfaces can be used to download reports, for display and printout at the instructor's computer. **These are recommended when six or more workstations are utilized without a network.** Prices are shown below:

DESCRIPTION	PART NO.	UNIT PRICE
ACINST™ Version 5.1	TA-500	\$ 195.00
HPINST™ Version 5.1	TP-500	\$ 195.00
REFRINST™ Version 5.1	TR-500	\$ 195.00
MKTINST™ Version 5.1	TS-500	\$ 195.00
GASINST™ Version 5.1	TF-500	\$ 195.00
OILINST™ Version 5.1	TO-500	\$ 195.00
HYDROINST™ Version 1.1	TB-500	\$ 195.00
GEOINST™ Version 1.0	TG-500	\$ 195.00

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iPad is a registered trademark of Apple Inc.