



pretecs
HVAC/R TRAINING
INSTITUTE
training catalog

fall 2017



protecs
HVAC/R TRAINING

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fall 2017 training catalog

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WHY TRAIN AT RSC?

- Award winning & nationally recognized instructors
- RSC instructors are NATE or AHRI Certified
- **Three labs in Valley View:** HVAC, Refrigeration & Sheet Metal
- **Two labs in Columbus:** HVAC & Refrigeration
- All skills classes qualify for State License, NATE Certification & CFAD Distributor Training Credit Hours
- 3 hour classes vs. competitors' 2 hours (earns quicker state license credit)
- **Extensive Curriculum**
 - Weekly classes with individual topics
 - 3-5 week mini-series courses
 - 12 week semester long programs
- EPA Refrigerant Certification & NATE Training | test sessions

For Class Information & Registration

Paula Conner | 216.525.8122

BEST IN CLASS

9 YEARS IN A ROW!



RSC Was Awarded
DISTRIBUTOR TRAINER OF THE YEAR
by Carrier Corporation | 2008 - 2016

RSC'S AWARD WINNING INSTRUCTORS

Selected by Carrier Corporation as **DISTRIBUTOR TRAINER OF THE YEAR** for 9 consecutive years.



JIM PRICE | VALLEY VIEW & YOUNGSTOWN

Jim spent 18 years in the field as a Service Tech. He has two college degrees, is NATE Certified, and now works for RSC as the Manager of the Technical Support and Training Department.



BILL MODICA | VALLEY VIEW

Graduate of West Side Institute of Technology, Bill has 35 years in HVAC as a Technician, Service Manager, Branch Manager and Sales Professional. He is currently a Technical Service Advisor for Refrigeration Sales Corporation in Northeast Ohio.



RICK ROGERS | COLUMBUS

Rick has 20 years of field experience, graduated from Columbus State, and is RSC's Service Manager for Central Ohio. He is NATE Certified in multiple specialties.



DAN WIGHT | VALLEY VIEW

Dan has been in the HVAC industry for over 8 years. Prior to that, he studied Psychology and Chemistry at University of Mount Union. He is an RSC Inside Sales Engineer, assisting the Commercial Department in a multitude of avenues, including Plan and Spec, Applied Sales and Controls.



JOHN WOZNIAK | AKRON, VALLEY VIEW & YOUNGSTOWN

John has spent 20 years in the field doing commercial service, controls, and installation in many facets of the HVAC/R industry. John is currently working with RSC's Plan & Spec Department providing Commercial Customer Service and Technical Support.



TONY CARUSO | AKRON & VALLEY VIEW

Tony started his Plumbing, HVAC and Hydronic company in 1980. It is now a multi-generational business that employs journeyman plumbers, masters of hydronics, steam and HVAC. He has 35+ years of experience in the profession. Tony is state licensed in several mechanical trade disciplines and is currently Vice President of the PHCC of Northeast Ohio.

BOB CHERVIN | COLUMBUS

A 30 year, NATE Certified industry veteran and graduate of Columbus State, Bob has owned his own HVAC company since 1979.

RUDY LEATHERMAN | COLUMBUS

Rudy Leatherman worked for the Energy Office for 13 years where he was responsible for combustion testing, evaluating and troubleshooting a wide variety of commercial, industrial and residential HVAC systems. His involvement also included educational development and training for thousands of mechanical contractors, inspectors, utility company personnel, code officials, plant/boiler technicians, fire departments and others.

ROGER TRESCH | VALLEY VIEW

Roger got his start in the technical trades by attending welding school. He's been in the HVAC industry since 1993, spending the majority of that time as a Tinner. He's currently the Vice President of Operations for a local HVAC company, but continues to do sheet metal work as well. He is NATE Certified.

RICHARD WIRTZ | COLUMBUS

Richard is a former professor at a Central Ohio technical college, who has extensive field experience in HVAC, and holds four RSES Certificate Member Specialist designations, as well as being NATE Certified.

GAS HEATING TECHNOLOGY PROGRAM

COLUMBUS & VALLEY VIEW

2571 Silver Drive | Columbus, OH 43211
9450 Allen Drive, Suite A | Valley View, OH 44125

INVESTMENT \$1,325 + \$179 for book & lab fee
PROTECS DEALERS ASK ABOUT YOUR DISCOUNT

An intensive 12-week course designed for the entry or intermediate level service/install technician who wants to advance their heating skills. Includes classroom and hands-on lab activities. Students take the AHRI Industry Competency Exam (I.C.E.) at the end of the program to obtain certification.

TOPICS DISCUSSED

- Ducting & Airflow
- Electrical Concepts for Heating
- Furnace Components
- Furnace Operating Sequences
- Furnace Start-Up & Heating Inspections
- Motors
- NEC Wiring Code
- Operating Controls
- Safety Controls
- Terms, Definitions & Measurement
- Troubleshooting
- Venting



COLUMBUS

September 18th - December 18th

Monday Evenings
5:30 p.m. - 8:30 p.m.

Instructor: Rick Rogers

VALLEY VIEW

September 20th - December 6th

Wednesday Evenings
5:30 p.m. - 8:30 p.m.

Instructor: Jim Price

**PLEASE REGISTER AT LEAST 2 WEEKS PRIOR
TO ENSURE SPACE AVAILABILITY.**

Contact Paula Conner | 216.525.8122 | paula.conner@refrigerationsales.net
for more information or to register.

Please note: Dates and times are subject to change.

LIGHT COMMERCIAL REFRIGERATION TECHNOLOGY PROGRAM

VALLEY VIEW

9450 Allen Drive, Suite A | Valley View, OH 44125

INVESTMENT \$1,325 + \$179 for book & lab fee
PROTECS DEALERS ASK ABOUT YOUR DISCOUNT

This semester long program of 12-weeks is aimed at the intermediate level technician who wants to acquire light commercial refrigeration troubleshooting skills. It consists of classroom and lab activities. Students take the AHRI Light Commercial Refrigeration Exam at the course conclusion in order to obtain industry certification.

TOPICS DISCUSSED

- Compressors
- Controls
- Defrost Cycle
- Electrical
- Evaporators
- High Temperature Applications
- Ice Machines
- Low Temperature Coolers
- Medium Temperature Coolers
- Metering Devices
- Multiple Evaporators
- Refrigeration Cycle
- Walk-In Freezers
- Water & Air-Cooled Condensers

September 19th - December 5th

Tuesday Evenings

5:30 p.m. - 8:30 p.m.

Instructor: John Wozniak

SHEET METAL SURVIVAL SKILLS PROGRAM

VALLEY VIEW

9450 Allen Drive, Suite A | Valley View, OH 44125

INVESTMENT \$1,495: includes tuition, books, tools & materials
PROTECS DEALERS ASK ABOUT YOUR DISCOUNT

This is our 8th annual 12-week sheet metal training program. This course is geared for the service tech or installer who needs basic sheet metal installation skills.

TOPICS DISCUSSED

- Hand Tools
- Machines
- Safety
- Take-Offs, Dove Tails & Start Collars
- Types of Fittings & Uses
- Cutting Sheet Metal
- Duct Fabrication I: Elbows, Plenums & Flanges
- Duct Fabrication II: Transitions & Offsets
- Fasteners & Patterns
- Folding Edges & Making Seams

August 24th - November 9th

Thursday Evenings

6:00 p.m. - 9:30 p.m.

Instructor: Roger Tresch

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ELECTRICAL WIRING PRINCIPLES

VALLEY VIEW

9450 Allen Drive, Suite A | Valley View, OH 44125

INVESTMENT \$595

PROTECS DEALERS ASK ABOUT YOUR DISCOUNT

This 5-week series is aimed at the entry-level to intermediate technician who wants to become more proficient reading wiring diagrams, diagnosing and troubleshooting in HVAC equipment.

TOPICS DISCUSSED

- Theory, Circuits & Measurement
- Components, Symbols & Wiring Diagrams
- A/C Current: Single & Three-Phase
- Troubleshooting

September 21st - October 19th

Thursday Evenings
 5:30 p.m. - 8:30 p.m.
Instructor: Bill Modica

HYDRONICS PRINCIPLES

AKRON

175 East South Street | Akron, OH 44311

INVESTMENT \$695

PROTECS DEALERS ASK ABOUT YOUR DISCOUNT

This 4-part series is designed for the technician who wants to better understand the operation, maintenance and troubleshooting of hot water heating.

TOPICS DISCUSSED

- Hydronic Fundamentals & Components
- Heat Distribution & Control
- Piping Applications
- Pumps, Expansion Tanks & Emitters
- Troubleshooting Comfort & Zone Problems
- Troubleshooting Water & Air Problems

October 5th - October 26th

Thursday Evenings
 5:30 p.m. - 8:30 p.m.
Instructor: Tony Caruso

STEAM HEAT PROGRAM

AKRON

175 East South Street | Akron, OH 44311

INVESTMENT \$325

The successor to our highly rated Hydronic Series, Steam Heat is aimed at intermediate and advanced techs who want to improve their knowledge and troubleshooting skills. This 3-part series is special training on a subject which is difficult to find.

TOPICS DISCUSSED

- Cleaning A Steam Boiler
- Generating Steam
- Hydronic & Steam Heat Differentiation
- Near Boiler Piping
- Steam System Controls
- Steam System Piping
- Troubleshooting

November 2nd - November 16th

Thursday Evenings
 5:30 p.m. - 8:30 p.m.
Instructor: Tony Caruso

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TO ENSURE SPACE AVAILABILITY.**

Contact Paula Conner | 216.525.8122 | paula.conner@refrigerationsales.net
for more information or to register.

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AKRON SKILLS TRAINING SCHEDULE

RSC Classroom | 175 East South Street | Akron, OH 44311

INVESTMENT \$109 RSC Customers, unless otherwise noted
ALL CLASSES QUALIFY FOR STATE LICENSE, NATE CERTIFICATION & CFAD DISTRIBUTOR TRAINING HOURS

DATE	CLASS TITLE	INSTRUCTOR	TIME
9/13	Near Misses: A Discussion of Professional Trade Safety	Tony Caruso	5:30 p.m. - 8:30 p.m.
TBA	Heat Exchangers	TBA	TBA
10/18	Rooftops	John Wozniak	5:30 p.m. - 8:30 p.m.
10/25	Economizers	John Wozniak	5:30 p.m. - 8:30 p.m.
TBA	Furnace Troubleshooting	TBA	TBA

PLEASE REGISTER AT LEAST 2 WEEKS PRIOR TO ENSURE SPACE AVAILABILITY.

Contact Paula Conner | 216.525.8122 | paula.conner@refrigerationsales.net for more information or to register.

Please note: Dates and times are subject to change.

COLUMBUS SKILLS TRAINING SCHEDULE

RSC Classroom | 2571 Silver Drive | Columbus, OH 43211

INVESTMENT \$109 RSC Customers, unless otherwise noted
ALL CLASSES QUALIFY FOR STATE LICENSE, NATE CERTIFICATION & CFAD DISTRIBUTOR TRAINING HOURS

DATE	CLASS TITLE	INSTRUCTOR	TIME
8/30	Heat Exchanger Inspection	Rick Rogers	5:30 p.m. - 8:30 p.m.
9/06	EPA Class & Test (<i>\$195 per person</i>)	Bob Chervin	4:00 p.m. - 8:00 p.m.
9/14	Gas Furnace Tune-up	Richard Wirtz	5:30 p.m. - 8:30 p.m.
9/27	Heat Pump Components/Operations	Rick Rogers	5:30 p.m. - 8:30 p.m.
10/05	Oil Heat	Richard Wirtz	5:30 p.m. - 8:30 p.m.
10/11	NATE Core	Bob Chervin	5:30 p.m. - 8:30 p.m.
10/18	NATE Gas Heat	Bob Chervin	5:30 p.m. - 8:30 p.m.
10/26	Brazing & Coil Repair	Richard Wirtz	5:30 p.m. - 8:30 p.m.
11/01	Furnace Troubleshooting	Rick Rogers	5:30 p.m. - 8:30 p.m.
11/09	Airflow Management	Richard Wirtz	5:30 p.m. - 8:30 p.m.
11/15	CO & Combustion	Rudy Leatherman	5:30 p.m. - 8:30 p.m.
11/28	Electrical Troubleshooting	Richard Wirtz	5:30 p.m. - 8:30 p.m.
12/06	EPA Class & Test (<i>\$195 per person</i>)	Bob Chervin	4:00 p.m. - 8:00 p.m.
12/20	ECM Motors	Rick Rogers	5:30 p.m. - 8:30 p.m.

PLEASE REGISTER AT LEAST 2 WEEKS PRIOR TO ENSURE SPACE AVAILABILITY.

Contact Rick Rogers | 614.299.2500 | rogersrd@refrigerationsales.net for more information or to register.

Please note: Dates and times are subject to change.

VALLEY VIEW SKILLS TRAINING SCHEDULE

RSC Classroom | 9450 Allen Drive, Suite A | Valley View, OH 44125

INVESTMENT \$109 RSC Customers, unless otherwise noted
ALL CLASSES QUALIFY FOR STATE LICENSE, NATE CERTIFICATION & CFAD DISTRIBUTOR TRAINING HOURS

DATE	CLASS TITLE	INSTRUCTOR	TIME
9/18	Economizers	John Wozniak	5:30 p.m. - 8:30 p.m.
9/25	Rooftops	John Wozniak	5:30 p.m. - 8:30 p.m.
10/02	NATE Core	Bill Modica	5:30 p.m. - 8:30 p.m.
10/16	NATE Gas Heat	Bill Modica	5:30 p.m. - 8:30 p.m.
10/23	Near Misses: A Discussion of Professional Trade Safety	Tony Caruso	5:30 p.m. - 8:30 p.m.
10/30	NATE Testing (<i>~\$145 per person</i>)	Bill Modica	8:30 a.m. - 12:30 p.m.
12/04	EPA Class & Test (<i>~\$195 per person</i>)	Bill Modica	4:00 p.m. - 9:00 p.m.



YOUNGSTOWN SKILLS TRAINING SCHEDULE

RSC Classroom | 643 N. Meridian Road | Youngstown, OH 44509

INVESTMENT \$109 RSC Customers, unless otherwise noted
ALL CLASSES QUALIFY FOR STATE LICENSE, NATE CERTIFICATION & CFAD DISTRIBUTOR TRAINING HOURS

DATE	CLASS TITLE	INSTRUCTOR	TIME
11/15	Economizers	John Wozniak	5:30 p.m. - 8:30 p.m.
12/07	ECM Motors	Jim Price	5:30 p.m. - 8:30 p.m.

PLEASE REGISTER AT LEAST 2 WEEKS PRIOR TO ENSURE SPACE AVAILABILITY.

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WholeServer™

REFRIGERATION SALES CORPORATION
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