Garnet
Garnet Global Training Center

GGT-HV-107

HVAC, Refrigeration & Building Services

VRF Systems

أنظمة VRF

Duration	Language	Formats	Hours	Level
5 or 10 days	**English or Arabic**	**Classroom, online, in-house**	**35 / 70**	**Intermediate (practitioner)**

Overview

VRF Systems turns established good practice into step-by-step methods that participants rehearse in exercises and then apply at work. Design, operate and maintain the cooling, ventilation and plumbing systems that keep buildings working. You can join a public session in one of 20 cities or live online, in English or Arabic, or bring the course in-house with examples from your own operations.

What you will be able to do

- Apply the methods and standards of VRF Systems to real tasks.
- Follow safe, compliant and documented work practices.
- Avoid the mistakes that most often cause rework or failure.
- Share good practice with your team.
- Use the right tools, checks and calculations step by step.

Who should attend

MEP engineers, HVAC technicians, facility engineers and building services consultants. Practitioners with one to five years of experience benefit most.

Key topics

- Psychrometrics and load calculation
- Refrigeration cycles
- Air distribution and ventilation
- Controls and BMS
- Energy efficiency
- Commissioning and maintenance

Formats and fees

5-day classroom	**USD 4,750**
5-day online	**USD 2,950**
10-day classroom	**USD 8,950**
10-day online	**USD 5,450**
In-house	**Quotation per group**

Fees per participant, excluding VAT.

Register or ask

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Email: info@garnettrainings.com

Training: training@garnettrainings.com

Web: garnettrainings.com

Sharjah Publishing City Free Zone, Sharjah, UAE

Certificate

Participants who attend at least 90% of sessions and complete the final assessment receive a certificate of completion stating 35 contact hours (5-day) or 70 contact hours (10-day).

5-day outline

Day 1 VRF Systems: principles and standards
- Commissioning and maintenance
- Checklists and templates to take away

Day 2 Methods and tools in practice
- Psychrometrics and load calculation
- Refrigeration cycles

Day 3 Diagnosis and problem solving
- Air distribution and ventilation
- Group discussion and peer review

Day 4 Quality, safety and documentation
- Controls and BMS
- Measurement and reporting

Day 5 Workshop, assessment and action plan
- Energy efficiency
- Hands-on workshop on a workplace challenge

10-day outline

Day 1 VRF Systems: principles and standards
- Commissioning and maintenance
- Checklists and templates to take away

Day 2 Methods and tools in practice
- Psychrometrics and load calculation
- Refrigeration cycles

Day 3 Diagnosis and problem solving
- Air distribution and ventilation
- Group discussion and peer review

Day 4 Quality, safety and documentation
- Controls and BMS
- Measurement and reporting

Day 5 Workshop, assessment and action plan
- Energy efficiency
- Hands-on workshop on a workplace challenge

Day 6 Advanced techniques and specialist practice
- Complex cases in depth
- Common mistakes and how to avoid them

Day 7 Digital tools, data and automation
- Analysis tools and software
- Using AI in this field

Day 8 Benchmarking against international practice
- Global performance benchmarks
- Regional and international case studies

Day 9 Capstone project
- Analyse a real challenge from your organisation
- Build the solution and implementation plan

Day 10 Presentations, final assessment and certificates
- Project presentations and review
- Final exam and certificate award

Schedule 2027–2030

Dates	Format	City	Language	Fee (USD)
8–12 Feb 2027	5-day classroom	Istanbul	English	4,750
2–13 May 2027	10-day classroom	Jeddah	Arabic	8,950
18–22 Jul 2027	5-day classroom	Amman	English	4,750
20–24 Sep 2027	5-day online	Live online	English	2,950
21 Feb – 3 Mar 2028	10-day classroom	Amsterdam	English	8,950
17–28 Apr 2028	10-day online	Live online	Arabic	5,450
21–25 May 2028	5-day classroom	Cairo	English	4,750
10–14 Dec 2028	5-day classroom	Riyadh	English	4,750
15–26 Jan 2029	10-day classroom	London	English	8,950
11–15 Jun 2029	5-day classroom	Barcelona	English	4,750

Dates	Format	City	Language	Fee (USD)
15–19 Oct 2029	5-day online	Live online	Arabic	2,950
18–22 Nov 2029	5-day classroom	Riyadh	Arabic	4,750
7–11 Jan 2030	5-day classroom	Vienna	English	4,750
1–12 Apr 2030	10-day classroom	Barcelona	English	8,950
16–20 Jun 2030	5-day classroom	Jeddah	English	4,750
14–25 Oct 2030	10-day online	Live online	English	5,450

Customised and in-house versions of this course are available on request. garnettrainings.com/en/customise/