

# Complete solutions for HVAC and energy systems



A large range of capabilities to optimize testing  
and charging processes

- Innovative solutions and ultimate performance
- Proven and leading technologies
- Worldwide technical support



Through its RapidCharge® product line, Fives offers a wide range of testing and charging solutions to meet the specific needs of the HVAC and energy industries, supporting customers in optimizing their product lines.

Fives' solutions cover a wide range of processes for HVAC assembly lines including: high sensitivity leak detection, functional and performance tests, fast and accurate charging equipment.

### Tests capabilities



#### LEAK DETECTION

- Vacuum chambers: high repeatability and sensitivity
- Ventilated/accumulation chambers: cost-effective solution, ultimate detection on parts which can't be tested with vacuum technology
- Pressure decay
- Sniffing
- Test benches for electrical and functional tests
- Data acquisition, traceability
- Helium recovery and mixing stations for further test



Heat pipe charging

### Multi-fluid expertise



#### MULTIPLE REFRIGERANT CHARGING

- R134a, R410A, CO<sub>2</sub>
- Flamables: R32, R290, R600, and HFO
- POE/PAG oils etc.

#### RAPIDCHARGE® L-AC STAND-ALONE AIR CONDITIONING MACHINE

- Compact and cost-effective solution
- Flexible and easy-to-operate
- Heavy duty components
- Bar code reader, printer, cycle data storage, report to MES
- Remote control, predictive maintenance
- Leak detection by pressure test, vacuuming and charging available in a single combo machine
- Advanced charging tools: RapidCharger™



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