

# RHS®780 Digital A/C Refrigerant Handling System

Looking for the most productive and reliable automatic A/C service unit—then look no further! Recover, recycle, and recharge—service times average less than ten minutes. The quickest in the industry!

## Speed

- **Patented Recovery/Recycling Process**  
Heavy-duty compressor with true single-pass technology system for maximum throughput.
- **Large Fan-Cooled Condenser**  
Speeds recovery, especially when temperatures are high and A/C service is in demand.
- **7 CFM Deep Vacuum Pump**  
Provides rapid evacuation.
- **Integrated Oil Charge**  
Fast, easy method for oil charge.
- **Digital Heated Power Charge**  
Programmable with high wattage thermostatically controlled heat belt. Refills most vehicles in less than 30 seconds.

## Accuracy

- **Internal Weight Scale**  
Industrial-strength scale with shock absorber eliminates inaccuracies and frequent calibration issues.
- **Rigidly Mounted Cylinder**  
Robust weight scale provides accurate measurement of refrigerant recovered from and charged to vehicle.
- **Refrigerant Inventory**  
Accurate, continuous tracking of recovered, recharged, and available refrigerant. Long-term memory for cumulative refrigerant management.

## Automation

- **Fully Automatic Service**
- **Advanced Microprocessor**  
Allows you to program vacuum time, leak test, charge amount, etc...and walk away.
- **Pressure Detection Device**  
Automatically restarts compressor if residual refrigerant is detected.
- **Single-Pass Auto Air Purge**  
Quickly and automatically eliminates noncondensable gases.

## Intuition

- **Digital Readout**  
Easy to understand. Plain language information and technician prompts. No tutorial needed. So easy it makes any technician an A/C expert.
- **Solenoid-Controlled Gauge Manifold**  
No panel valves to open and close. Solenoids automatically open high and/or low side, eliminating potential mistakes.

## Reliability

- **Pressure Protection**  
Suction pressure regulator protects compressor and other critical components.
- **Durable Components**  
Powder-coated steel cabinet and the highest quality compressor, solenoids, circuit board, switches, wiring, filters, weight scale...
- **Field Proven Reliability**  
RTI A/C machines are the choice of the world's largest service chains and tens of thousands of satisfied customers around the world.



Automotive Equipment Sales and Service  
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RHS®780-R12\*  
RHS®780-R134a

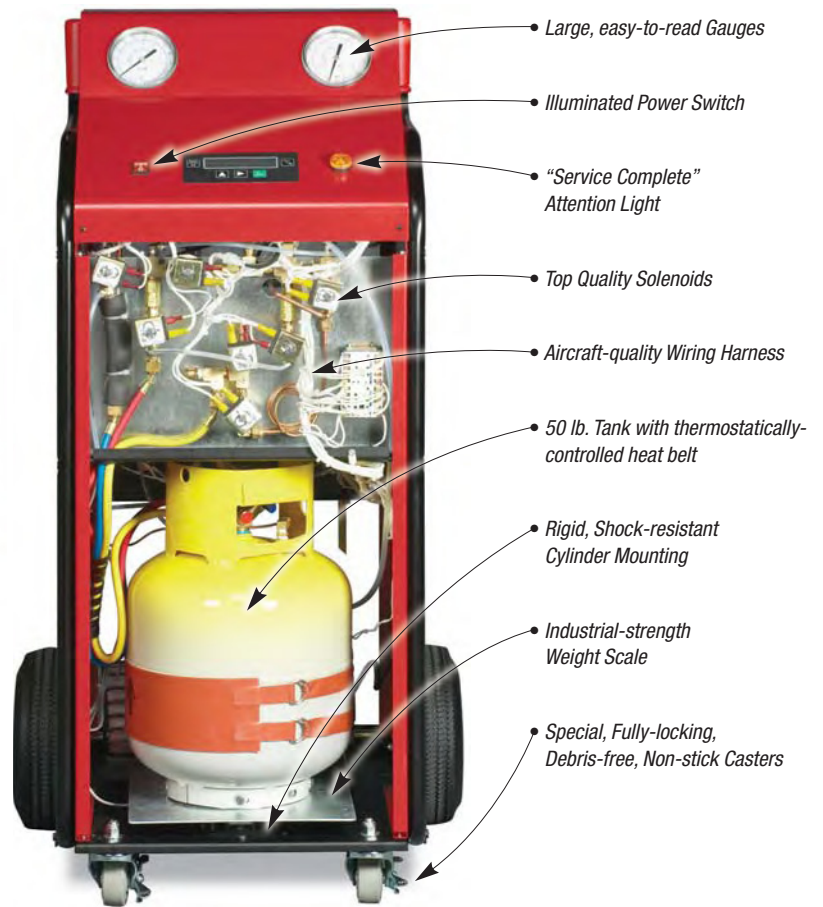
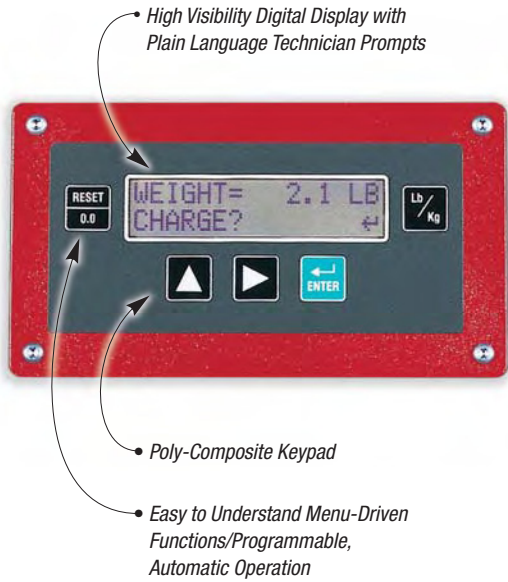
P/N 460-80266-00  
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\*RHS®780-R12 can be converted later to R134a with an RTI conversion kit.

## Specifications

Electrical	120 VAC - 60 Hz - 12 Amp (230 VAC - 50 Hz - 6 Amp available)
Dimensions	49 in x 20 in x 20 in (125 cm x 51 cm x 51 cm) (H x W x D)
Weight	255 lb (116 kg)
Operating Range	32° to 122°F (0° to 50°C)
Scale Accuracy	±0.05% load cell accuracy over useable range
Hoses	11 ft (3.35 m)
Compressor	3/8 HP - 0.8 kW, pressure protected, balanced startup, oiled, hermetic
Condenser	2,270 in <sup>2</sup> (14,645 cm <sup>2</sup> ) fin surface area, 0.38 in (0.97 cm) diameter copper tubing
Condenser Fan	Industrial-duty 5 blade, 8 in (20 cm) diameter, 1550 RPM
Vacuum Pump	7 CFM, 29.9 InHg (0.40 mbar) (300 micron)
Charging Cylinder	50 lb (22.7 kg) DOT
Cylinder Heater	Heat Belt, 200 Watt
Process Time	Less than 10 minutes average, recover/recycle/recharge
Warranty	5 years parts - 2 years labor

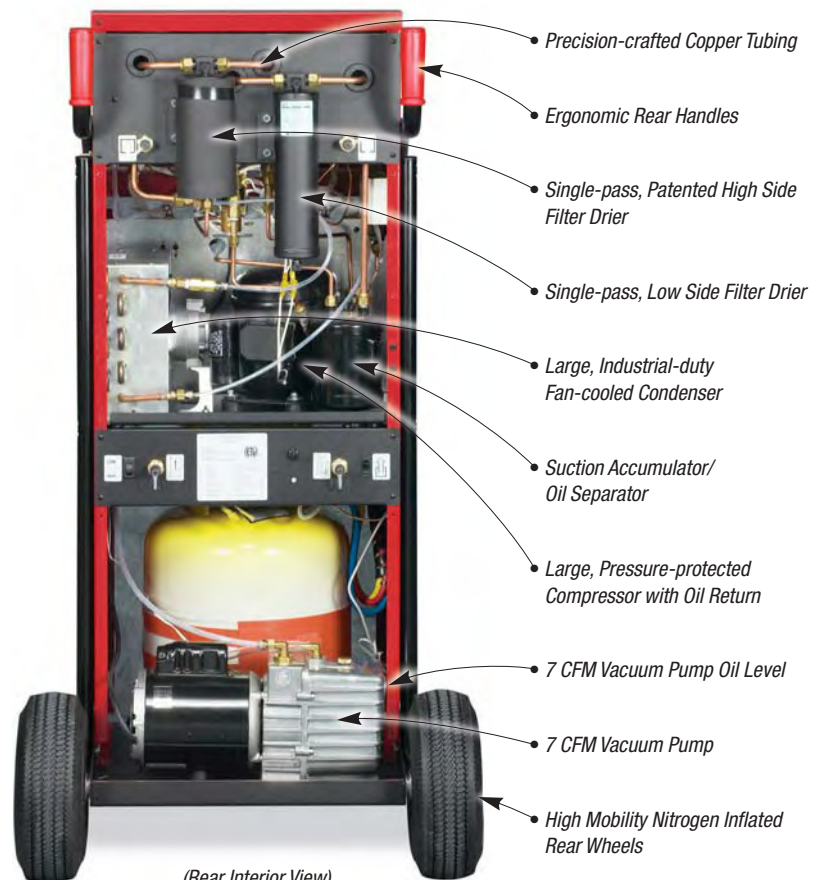




(Front Interior View)



You can see the quality and rugged construction built into all of RTI's Automotive Maintenance Equipment.



(Rear Interior View)



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