

# ArcticPRO™ RHS®980 Digital A/C Refrigerant Handling System

R134a, J2788 compliant A/C System.

RTI's revolutionary approach in designing and building a new automotive A/C service machine is now available! The ArcticPRO™ RHS®980 fully complies with the new SAE J2788 standard and establishes a new productivity benchmark for all A/C refrigerant handling machines. In the RTI tradition of building the most robust, dependable and user friendly service machines, the new ArcticPRO™ RHS®980 really leaves the competition in the dust!

## Easiest to Use

- Control panel mounted on a revolving turret—the turret rotates 90 degrees in either direction for unrestricted viewing capability—this eliminates machine repositioning for the technician.
- Intuitively easy-to-use function input and display—
  - Extra large character (4 x 20) LCD display.
  - Intuitive plain language prompts.
  - Language capability pre-programmed with English, Spanish, French, German. Other foreign languages can be accommodated.
  - EZ-Select menu-driven programming inputs.
  - Conveniently reached keypad with tactile button panel controls.
- Easy-to-read large face, High and Low pressure gauges.
- Ergonomic mobility handle – perfect for hose storage and low-effort machine positioning.
- Low rolling resistance, cushioned, non-inflatable rear wheel/tire assemblies—no-maintenance, provides easy machine handling.

## Superior Productivity

- TechALERT™ compatible—boosts workshop productivity by remotely signaling the technician when RTI equipment completes automated service operations.
- Charge capacities data base module available; furnished by MOTOR Information Systems. Technicians can easily determine and upload correct refrigerant and oil charge capacities.
- Dual stage, 7.0 CFM vacuum pump, large industrial-duty cooling fan, integrated oil change function accelerate operation cycle time.
- Heavy-duty compressor with true single-pass filtration technology—provides maximum system throughput.

## Logical Functionality

- Fully automatic sequence programmability—instruct the unit to recover, recycle, vacuum, leak test and charge and then go do something else. If equipped, TechALERT™ notifies you when your service is complete or requires attention.
- System vacuum level evaluation occurs after refrigeration evacuation cycle to identify possible leaks in automobile system.
- 30 lb. refrigerant recovery cylinder mounted inside cabinet to minimize load cell re-calibration.
- Refrigerant charge either High side or Low side depending upon technician's preference.
- Monitors new refrigerant use, notifies technician when additional refrigerant is required.
- Filter-life monitor provides preventive maintenance alarm when filter servicing is required.
- Automatic air purge eliminates harmful air from auto A/C system.
- Automatic oil recovery and integrated oil charge bottles are located outside of cabinet for quick reference and easy access.

## Superb Accuracy

- Recovers 95% of auto refrigerant with 30 minutes—minimizes refrigerant loss, saves money.
- Recharge accuracy is +/- 1/2 ounce—saves money, eliminates call-backs.
- Load cell technology—measures recovered and charged refrigerant, exceptionally accurate.
- Oil injection system provides less than 1% cross contamination—crucial when switching servicing from traditional systems to hybrid electric vehicles.

## Advanced Serviceability

- Complete cover assembly quickly removed for unobstructed internal machine access.
- Unique 2-piece **patent-pending KWIK-CHANGE** "block" manifold assembly—rapid removal and replacement to remedy most fluid path service issues.
- All internal components positioned for wide open service accessibility.
- Replaceable in-line hose screens—exterior accessed for simplified replacement.

**NEW!**



- Lift out document storage pocket exposes refrigerant filter for easy access.
- External mounted oil recovery and oil charge bottles—no need to open or remove equipment cover.

## Proven Reliability

- Best out-of-box reliability—highest quality, historically proven components are specified: compressor, solenoids, circuit board, switches, wiring, filters, load cells, etc.
- Electronically controlled pressure regulation protects compressor and other critical components.
- Pre-assembled, 100% pre-tested **patent-pending KWIK-CHANGE** "block" manifold assembly eliminates defects before final unit assembly—virtually eliminates all potential leak points.
- One-piece, through color molded cover provides dent, corrosion, scratch resistance.
- All equipment is functionally tested before shipment from the RTI factory.
- Field proven reliability—RTI A/C service machines are specified by the world's largest service chains, also by tens of thousands of satisfied customers, worldwide.



# ArcticPRO™ RHS®980 Digital A/C Refrigerant Handling System

See for yourself how the ArcticPRO™ RHS®980 A/C Refrigerant Handling System incorporates the same quality and rugged construction made famous by all of RTI's Automotive Service Equipment.



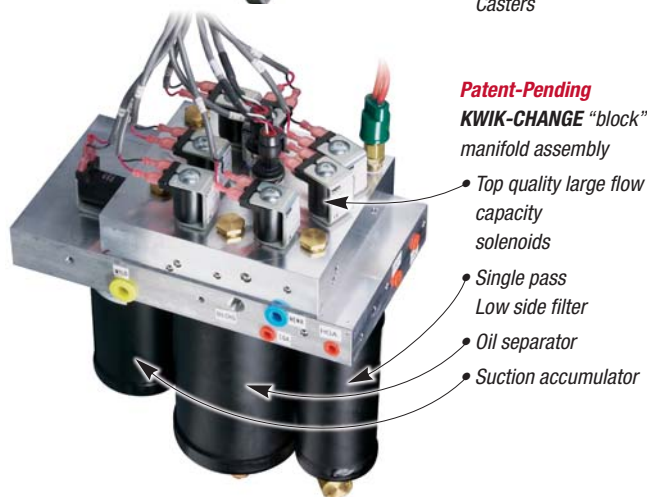
### Front/Left-Side Interior View

- Ergonomic machine mobility handle
- **Patent-Pending KWIK-CHANGE** "block" manifold assembly
- Industrial-duty cooling fan
- Shock-resistant Cylinder Mounting
- Industrial-strength Weight Scale



### Front/Right-Side Interior View

- Aircraft-quality Wiring Harness
- Externally accessed oil recovery and oil charge bottles
- 7 CFM Vacuum Pump
- Large, Pressure-protected Compressor with Oil Return
- Ultra-low rolling resistance non-inflated rear wheel/tire assemblies
- 30 lb. Charging Cylinder
- Rigid steel base provides robust component mounting platform
- Special, Fully-locking, Debris-free, Non-stick Casters



### Patent-Pending KWIK-CHANGE "block" manifold assembly

- Top quality large flow capacity solenoids
- Single pass Low side filter
- Oil separator
- Suction accumulator

## Specifications

Electrical	120VAC - 60HZ - 12 AMP 230VAC - 50HZ - 6 AMP (Optional)
Shipping Dimensions	50 in x 22 in x 35 in (127 cm x 56 cm x 89 cm) (H x W x D)
Weight	Approximately 255 lbs (116 kg)
Operating Ranges	32° - 120°F (0°-49°C)
Scale Accuracy	J2788 Compliant
Recovery Accuracy	J2788 Compliant
Hoses	9 ft (2.74 m)
Compressor	3/8HP - 0.8kW, pressure protected, balanced start-up, oiled, hermetically sealed
Condenser Fan	Industrial-duty
Vacuum Pump	7 CFM, dual stage, 29.9 InHg
Charging Cylinder	30 lb (13.6 kg) DOT
Recycling Filter-Drier	Spin-on type
Warranty	2 Years

RHS®980-R134a

P/N 460-80292-00

RHS®980-R134a, 220 VAC

P/N 460-80302-00

ArcticPRO™ Productivity Package  
(Includes TechALERT™ with Base and  
Universal Remote [495-80000-00];  
RHS®980 Refrigerant Database  
[360-82110-00]; 5 Year Warranty  
[5 Years Parts, 2 Years Labor,  
035-81394-00]; ArcticPRO™ Service  
Shop Display Banner [035-81393-00]) P/N 465-80061-00



Tel: 717-840-0678 • Fax: 717-755-8304

Web Site: [www.rtitech.com](http://www.rtitech.com) • E-mail: [rti@rtitech.com](mailto:rti@rtitech.com)

10 Innovation Drive, P.O. Box 3099, York, PA 17402, USA

Call us or visit our web site for a distributor,  
or for more information.



P/N 561-80075-00