

# APPION<sup>™</sup>

Star Performance

## AC/R Product Catalog



**Refrigerant Recovery**



**ION System Analysis**



**AC/R System Evacuation**

**When you have the Need for Speed.**

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**Appion is Star Performance.** We never stop challenging ourselves to develop smaller, lighter, easier, better and less expensive ways to help AC/R technicians perform their everyday tasks. With products designed for the best performance and ease of maintenance, Appion is committed to serving our customers well by providing the most innovative, user-friendly tools and equipment that AC/R market has to offer.



## ***Our Philosophy...***

Here at Appion Inc. in beautiful Colorado our goals are to evoke positive change, share our knowledge, and improve the industry through innovation and education.

We strive to go beyond the scope of expectations and build on the dynamic nature of the AC/R market, always with the needs of the technician in mind.

Appion is dedicated to learning in the field. This helps drive innovation into our products.

Education, the sharing of knowledge, is at the forefront of our business. Education empowers industry growth and betterment.

Whether it's in-the-field educational seminars, on-site trainings for contractors and businesses, or an open-door policy for anyone with a thirst for knowledge, we are committed to helping the industry move forward in a positive way.

## ***Appion is Applied Innovation***



The AC/R systems of today, demand accurate, rugged, reliable tools to ensure they are efficiently running at their designed potential.

Appion is in the field, alongside service technicians on job sites, to gain a better understanding of their needs.

It's only through this understanding, that superior products can be innovated and designed. This is our purpose.



***Visit us at  
[www.AppionTools.com](http://www.AppionTools.com)***

# G5Twin™

CYLINDER / CONDENSER

## Industrial Heavy Duty

- Chillers
- Supermarkets
- Ships
- Ice Rinks



Easy to Clean Filter Screen

Simple Two Valve Control

Field Serviceable:  
Easy to Replace Gauges

Massive Cooling  
Twin Condensers

- Horizontally Opposing Twin Cylinders and Twin Condensers for ultra-fast recovery
- Recovery rates of 0.62 lbs./minute vapor and 10.36 lbs./minute liquid (ARI 740-98 ratings R22)
- Permanently-lubricated, bearing-lined crankcase is **isolated from refrigerant**, eliminating bearing contamination
- Pumps liquid and vapor with **no throttling**
- 7-inch, 10-blade turbine fan blasts **over 600 cfm of cooling air** over the twin condensers and twin cylinder heads
- Operates up to **50°F (10°C) cooler** for maximum reliability and speed even in the highest ambient conditions
- Completely field serviceable - modular design makes it easy to **rebuild the entire unit in 20-30 minutes**

### Part #: G5TWIN

Dimensions and Power		
Length	13.75 in	349 mm
Height	10.30 in	262 mm
Width	9.40 in	239 mm
Weight	24 Lbs	11 Kgs
Power	115 VAC, 60 Hz, 10 Amps Int'l: 230 VAC, 50 Hz, 5 Amps Japan: 100 VAC, 60 Hz, 10 Amps	

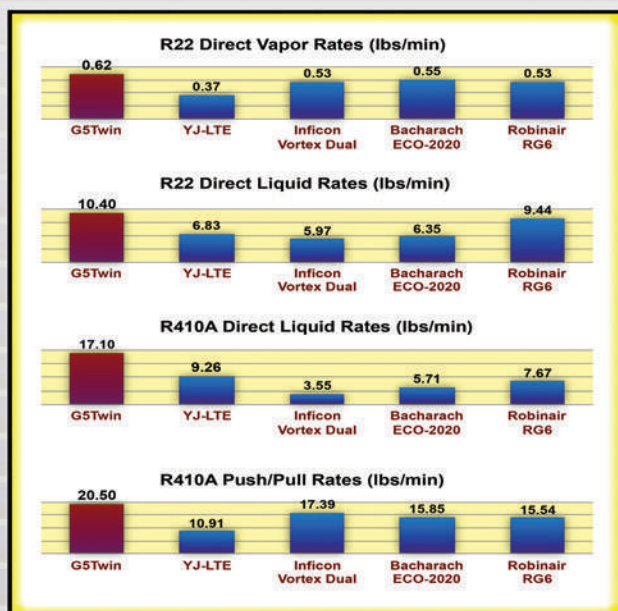
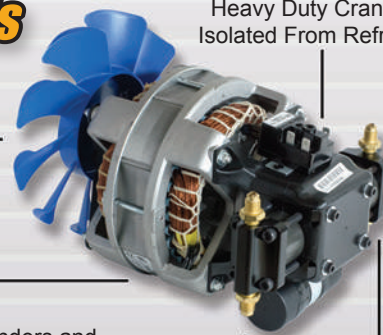
## NEW Design FASTER Speeds

High Speed/High Pressure  
Turbine Fan Over 600cfm

Heavy Duty 1/2 HP Motor  
High Torque - Ball Bearing

Twin Cylinders and  
Twin Opposing Pistons

Permanently Lubricated  
Heavy Duty Crankcase  
Isolated From Refrigerant



### G5Twin Recovery Rates

Refrigerant	Push-Pull	Liquid	Vapor
R-134a	15.87 lb/min 7.20 kg/min	10.14 lb/min* 4.60 kg/min*	0.46 lb/min** 0.21 kg/min**
R-22	16.62 lb/min 7.54 kg/min	10.36 lb/min 4.70 kg/min	0.62 lb/min 0.28 kg/min
R-407C	17.61 lb/min 7.99 kg/min	11.93 lb/min 5.41 kg/min	0.55 lb/min 0.25 kg/min
R-410A	20.50 lb/min 9.30 kg/min	17.20 lb/min 7.80 kg/min	0.55 lb/min 0.25 kg/min

\* Using high speed direct liquid method; 8.16 lb/min (3.7 kg/min) with standard recovery.  
\*\* With external cooling accessory; 0.44 lbs/min (0.20 kgs/min) with standard recovery.

Certified for use with Class III, IV and V Refrigerants, and compatible with all common refrigerant oils, including mineral, PAG and POE.



PATENT PENDING

# G1 Single™

SINGLE CYLINDER RECOVERY

## Economical Standard Duty

- Ductless Splits
- PTACs
- Heat Pumps
- Vending

- Easy to use, ideal for residential and appliance recovery jobs
- Comparable recovery rates to larger machines, without the bulk and hassle
- Permanently-lubricated crankcase is **isolated from refrigerant**, eliminating bearing contamination
- Pumps liquid and vapor, no throttling
- Certified for use with Class III, IV and V refrigerants, including R410A



Easy to Clean Filter Screen

High Speed/High Pressure Turbine Fan - Over 600cfm

Permanently Lubricated Heavy Duty Crankcase Isolated From Refrigerant



### Part #: G1SINGLE

Dimensions and Power		
Length	11.38 in	289 mm
Height	10.30 in	262 mm
Width	9.40 in	239 mm
Weight	22 Lbs	10 Kgs
Power	115 VAC, 60 Hz, 10 Amps Int'l: 230 VAC, 50 Hz, 5 Amps Japan: 100 VAC, 60 Hz, 10 Amps	

### Ultra-Reliable to the Core

Only Appion recovery machines are built around a **refrigerant-isolated crankcase**. This means the bearings aren't washed in the corrosive, acids, sludge and debris brought in by recovered refrigerant.

The G5Twin and G1Single are each equipped with a 7-inch, 10-blade turbine fan, for unmatched cooling airflow, resulting in high-performance, low-maintenance, recovery machines **you can depend on**.

G1Single Recovery Rates			
Refrigerant	Push-Pull	Liquid	Vapor
R-134a	9.44 lb/min 4.28 kg/min	5.20 lb/min 2.36 kg/min	0.22 lb/min 0.10 kg/min
R-22	10.80 lb/min 4.90 kg/min	8.55 lb/min 3.88 kg/min	0.26 lb/min 0.12 kg/min
R-407C	11.33 lb/min 5.14 kg/min	5.84 lb/min 2.65 kg/min	0.31 lb/min 0.14 kg/min
R-410A	12.17 lb/min 5.52 kg/min	4.32 lb/min 1.96 kg/min	0.26 lb/min 0.12 kg/min

Certified for use with Class III, IV and V Refrigerants, and compatible with all common refrigerant oils, including mineral, PAG and POE.



**Only 22 lbs.!**

PATENT PENDING

# The W.S.R. Advantage: Weight, Speed, and Reliability

## Light The Weight Advantage

- At **only 24 lbs.** (11 kgs.), the **G5Twin** is the smallest and lightest recovery machine capable of handling the tough demands of industrial/commercial refrigerant recovery.
- The **G1Single** delivers comparable recovery rates to larger single-cylinder units at **only 22 lbs.** without hassle or bulk. Ideal for residential and appliance recovery jobs.



**We are constantly improving our products. Here is the latest.**



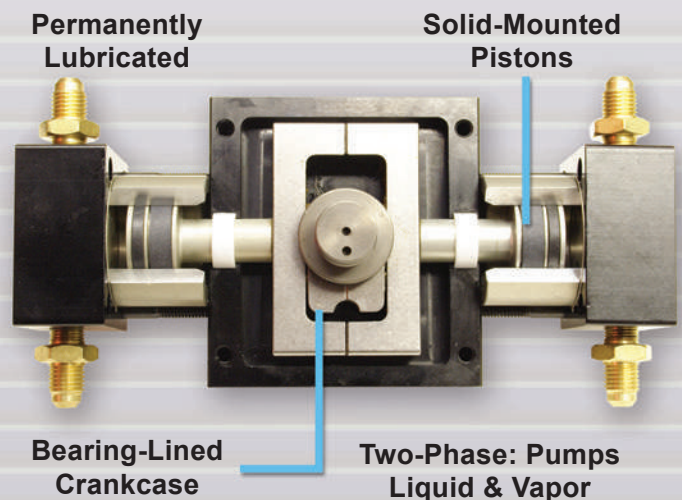
**New & Improved Fan  
delivers more cooling power and  
reliability than ever before.**

## The Speed Advantage

- This custom 7-inch, 10-blade turbine fan blasts **over 600 cfm** of high static pressure cooling air through the machine.
- Up to **50°F (10°C)** cooler compressor heads so refrigerant stays cool and dense, maximizing throughput even in the highest ambient conditions.
- Entire unit runs cooler, leading to better operation and longer life.

## The Reliability Advantage

- The permanently-lubricated crankcase is **isolated from refrigerant**, eliminating bearing contamination.
- The solid-mounted pistons **eliminate wrist pins and bushing wear**, ensuring full-speed recovery for the entire life of the machine.
- The bearing-lined crankcase evenly spreads the load of each stroke, preventing seized compressors.



PATENT PENDING

# Fast Recovery with the G5Twin



*Above:* Chillers containing 4000 lbs. of R134a being recovered with a G5Twin in the sweltering heat of Saudi Arabia. What once took a week now takes only 18 hours with the speed and reliability of the G5Twin.



*Above:* On an R407A system retrofit of a low temperature ice cream case, the G5Twin recovered 600 pounds of R22 in record time, using the push-pull method.



*Above:* At times running 8-10 hours a day, 5 days a week, the G5Twin has proven to be extremely fast and reliable. Not a problem, thanks to the G5Twin.



*Above:* G5Twin used daily in reclamation facility for tank transfer.

Visit  
[www.AppionTools.com](http://www.AppionTools.com)  
for more on the  
G5Twin

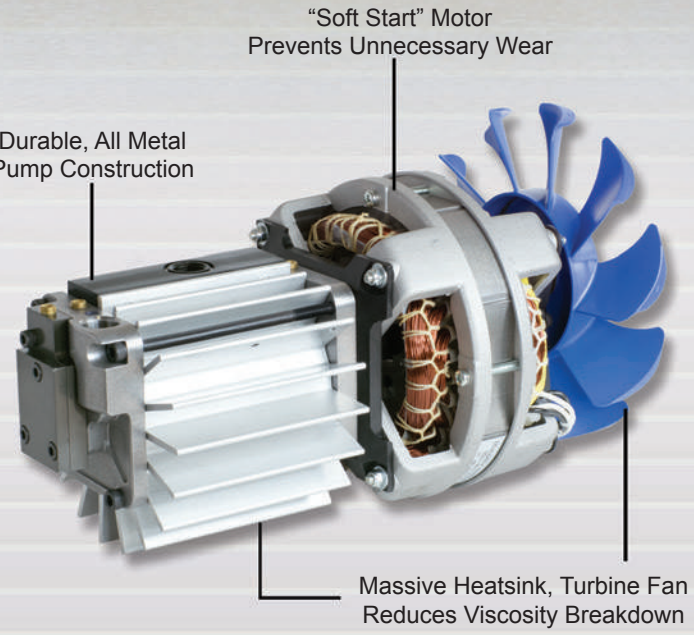
# TEZ<sup>8</sup>™

TWO STAGE VACUUM PUMP CFM

## 8cfm (227 l/m) AC/R Vacuum Pump



- **Faster Evacuation:** Field-proven to outperform larger, belt-driven pumps by hours or days
- 1/2" and dual 3/8" inputs to allow for maximum input flow - up to **16 times the flow** of pumps using 1/4" inputs
- **No Gas Ballast:** Two-stage exhaust system vents moisture without breaking the vacuum
- **Reliable Startup:** "Soft Start" motor prevents unnecessary wear, reliable starting in extreme ambient conditions - *even as low as -40°F/C*



### Part #: TEZ8

Product Specifications		
Length	14.25 in	362 mm
Height	10.30 in	262 mm
Width	9.40 in	239 mm
Weight	28 Lbs	12.7 Kgs
Power	115 VAC, 60 Hz, 10 Amps Int'l: 230 VAC, 50 Hz, 5 Amps Japan: 100 VAC, 60 Hz, 10 Amps	
Free Air Displacement	8cfm (227 l/min) @ 60Hz 6.6cfm (189 l/min) @ 50Hz	
Ultimate Vacuum	<20 Microns	
Inlet Port Fittings	1/4", 3/8" (x2), 1/2" Flare	

- High-speed turbine fan and massive aluminum heatsink keeps the pump and oil cooler, reducing oil viscosity breakdown
- Advanced "anti-suckback" eliminates check valves and other flow restrictions
- Lightweight composite resin case for rugged durability and reduced weight
- Low maintenance and **field serviceable**
- Adjustable Multi-Port Input Tree for simultaneous connections and unparalleled performance

### ***Intake Monitoring & Control***

- **Debris Catch Tube:** Traps debris with easy-to-clean mesh Filter Screen
- **Automatic Positive Pressure Relief:** Eliminates accidental oil showers
- **Oil Separator:** Reduces pump contamination.
- **Clearly Visible:** Enhanced intake monitoring allows for better control of the evacuation

PATENT PENDING



# TEZ™

## SPEED SYSTEM

FAST AC/R VACUUM EVACUATION

The **TEZ™ Speed System** was designed so that technicians can easily **save hours or days** on any size system evacuation, making it faster and easier to properly evacuate a system.



The TEZ™ Speed System includes 3/8" and 1/2" vacuum-certified hoses, and a full, unrestricted 1/2" flow through the Tez8 pump input.

- Unrestricted, large-diameter connections
- Multiple, Simultaneous connections
- Vacuum-certified, non-permeating hoses
- Maintain performance with on-the-fly 5-second oil changes™



### Clean Oil, Full Flow

- **5-Second Oil Change™:** Change the oil "on the fly" without breaking the vacuum
- **Clean and Dry:** Quick and easy oil change removes moisture and dirt, preventing long-term sludge buildup
- **Clearly Visible Results:** Clear cartridge makes it easy to monitor the condition of the oil and verify evacuation results

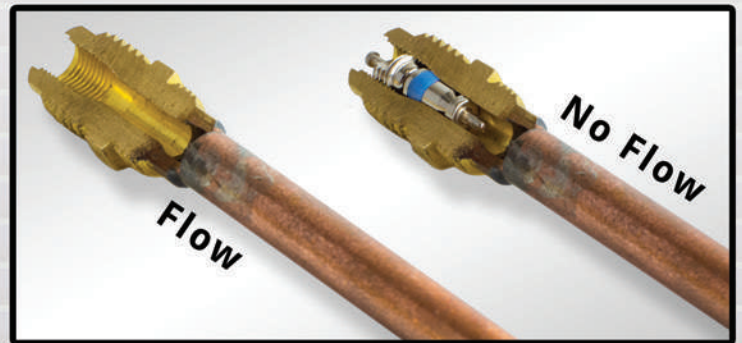
### "Wet Oil and Stalled Evacuation"



Check out this video and more at [www.AppionTools.com](http://www.AppionTools.com)

### Remove Restrictive Valve Cores

- Remove valve cores to open up **over 90%** of the access port's interior diameter



### The Greater the Flow, the Faster It Will Go

- Using multiple 3/8" and 1/2" connections can deliver a time savings ratio of **at least 5-to-1** (up to 10-to-1) on residential, commercial and and industrial job sites (compared to 1/4" connections)



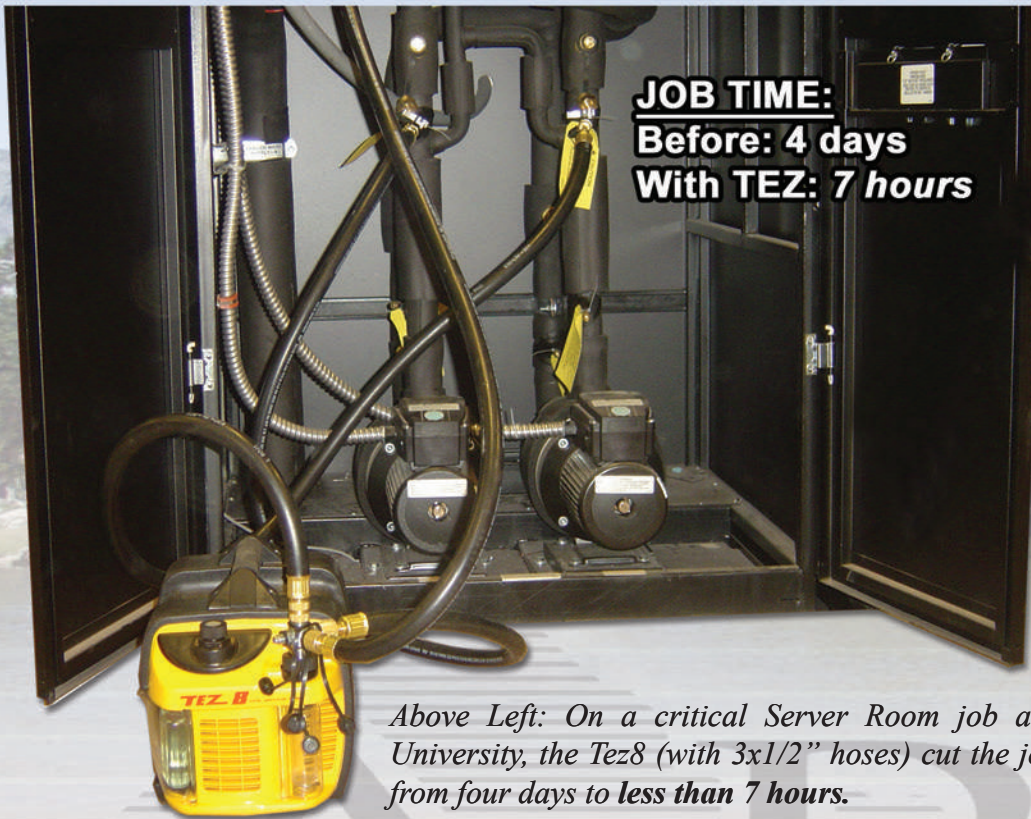
#### Hose Diameter and Flow Rate: Evacuating a 50-lb. Cylinder

	1/4" hose	3/8" hose	1/2" hose
400 Microns	56 min	22 min	6 min

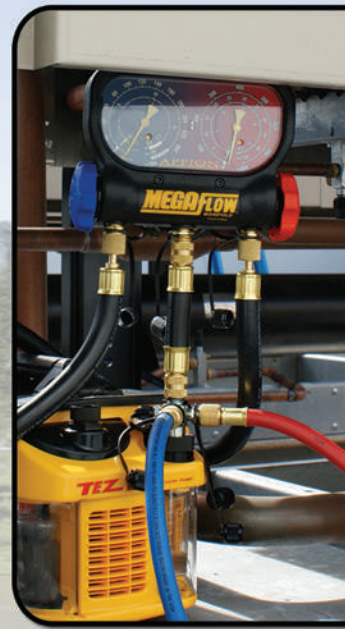
*NIST-traceable results. All connections made with 1/4"FL fittings.  
For even faster results, connect multiple hoses.*

PATENT PENDING

# AC/R System Evacuation in 1 day or



*Above Left: On a critical Server Room job at Duke University, the Tez8 (with 3x1/2" hoses) cut the job time from four days to less than 7 hours.*

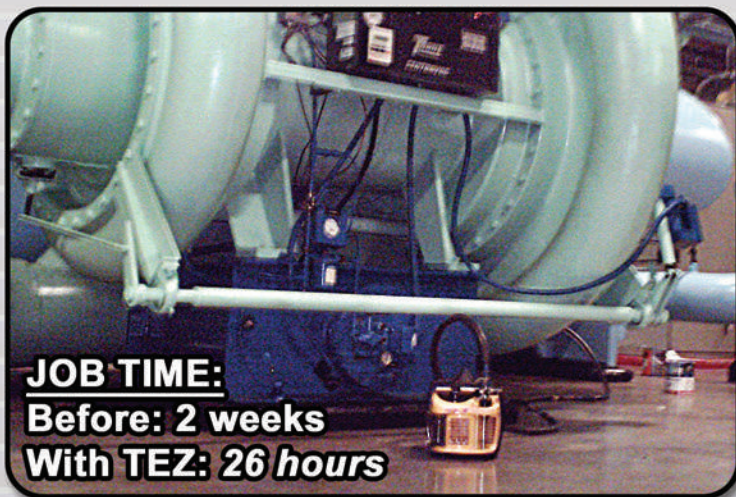


*Above: At a large refrigeration job, a 30HP chiller went from atmospheric to 500 microns much faster than the previous method.*

*Below: Thanks to massive flow and "on the fly" oil changes, in just 26 hours the Tez8 evacuated six 1500-ton chillers, one at a time, to 500 microns... outperforming a 20-cfm belt driven pump.*



*Above: This 2,000 ton chiller was pulled from atmospheric to 1,000 microns in only 3.5 hours, instead of days with a belt-driven pump.*

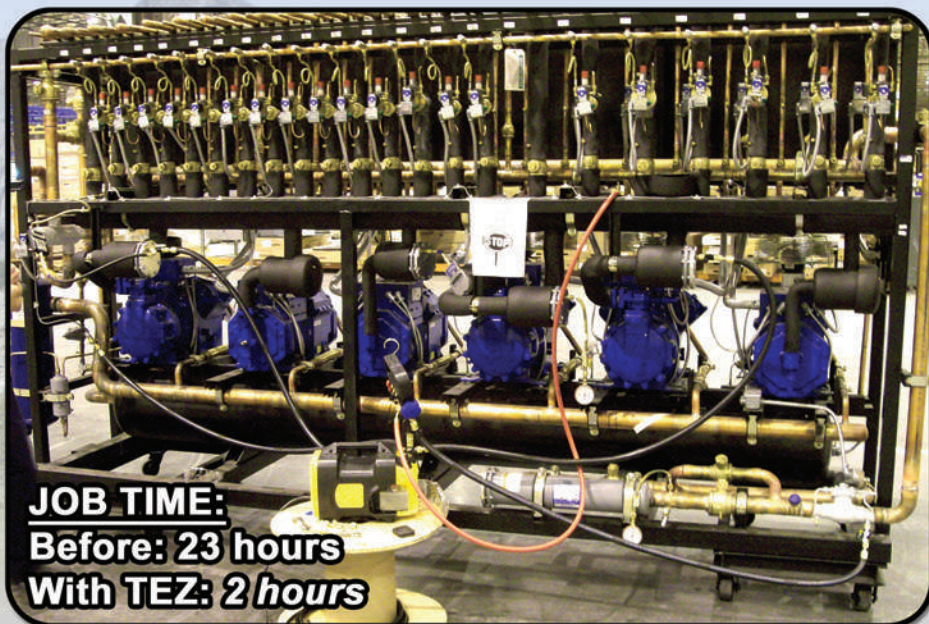


**Save Hours, Save Days, Save Money**

# or less, with the **TEZ Speed System**



**JOB TIME:**  
~~Before: 23 hours~~  
**With TEZ: 4.25 hours**



**JOB TIME:**  
~~Before: 23 hours~~  
**With TEZ: 2 hours**

ated warehouse in New Jersey, this Bohn  
sphere to 350 microns in just 4.25 hours...  
s 23 hours.

Above: With five simultaneous full-flow connections, the TEZ Speed System evacuates racks like these up to 10 times faster than typical vacuum pumps.

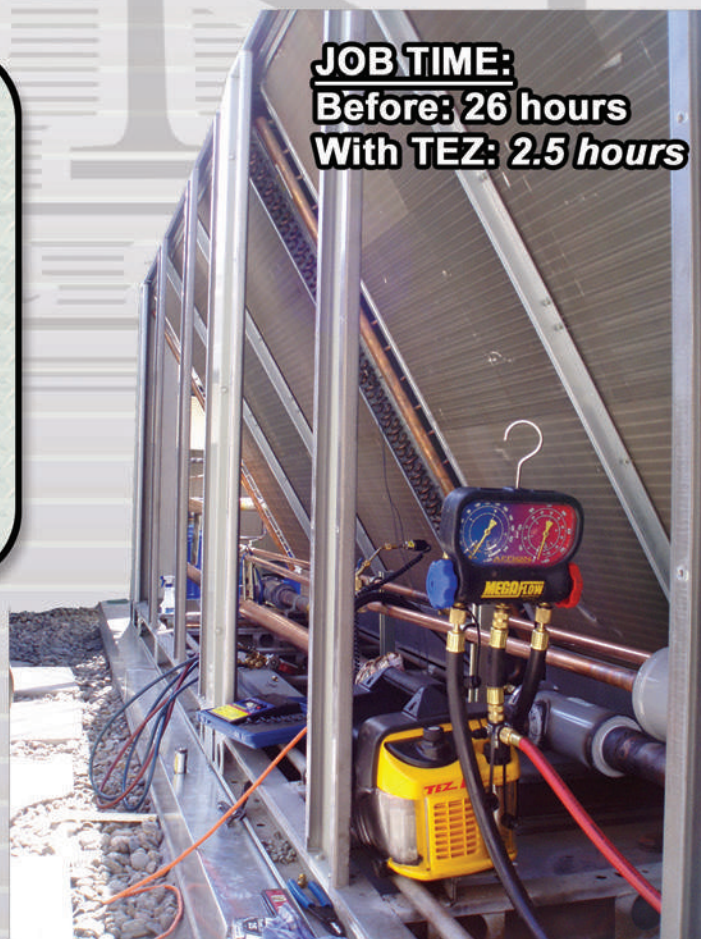
## **5x-10x Faster Evacuation**

The **TEZ Speed System**, using multiple 3/8" and 1/2" connections, can deliver a time savings ratio of **at least 5-to-1** (up to 10-to-1) on residential, commercial and industrial job sites (compared to 1/4" connections).

So for every 5-10 hours you currently spend evacuating, the **TEZ Speed System** can do it *in 1 hour or less*.

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Right: The **TEZ Speed System** evacuates a 250-ton chiller from atmosphere to 500 microns in only 2.5 hours... a job that used to take 26 hours.



**JOB TIME:**  
~~Before: 26 hours~~  
**With TEZ: 2.5 hours**

**Save Money.**

PATENT PENDING

# MEGA FLOW™

VACUUM-CERTIFIED

## 1/2" Bore Vacuum Manifold

- **Full 1/2" Flow:** Drastically increase speed and reduce evacuation times
- **Vacuum Tree:** 7 ports makes multiple simultaneous connections easy
- **Lightweight & Durable:** Manifold body forged from aircraft-grade aluminum

Part #: MGAMAN-V



## Vacuum-Certified Refrigerant Hoses

- **Larger Interior Diameter:** Greater flow than standard hoses
- **Vacuum-Certified:** Won't permeate or collapse in a vacuum



## Vacuum-Certified Valve Core Removal Tools

- Remove restrictive access valve cores for high-speed recovery and evacuation
- **Designed for Evacuation:** Advanced design to prevent leaks in vacuum
- MegaGrip™ core tip minimizes lost cores
- Use 5/16" for R410a Split Systems - no extra adapters needed

Part #: MGAVCT

1/4" System Connection

Part #: MGAVCR

5/16" System Connection

1/4" Vacuum Gauge Port



## MegaFlow Speed Kit For Evacuation

- Vacuum Kit contains: 2x1/2" hoses (Part # MH120006EAK), 2x3/8" hoses (Part #'s MH380006EAB, MH380006EAR), 2x1/4" valve core removal tools (Part # MGAVCT) and 1 vacuum Manifold (Part # MGAMAN-V)



Part #: MGAKIT-V

## MegaFlow Basics 1/2" Hose Evacuation Kit

- Remove restrictive valve cores and use large diameter vacuum-rated hoses for up to 10x faster evacuation (compared to 1/4" connections)
- Basics Kit (Part # MGABAS) contains: 1x1/2" hose (6-foot) and 1x1/4" valve core removal tool



Part #: MGABAS

PATENT PENDING

# MEGA SEAL™

VACUUM-CERTIFIED

## Versatile Connectors & Port-Sealing Accessories

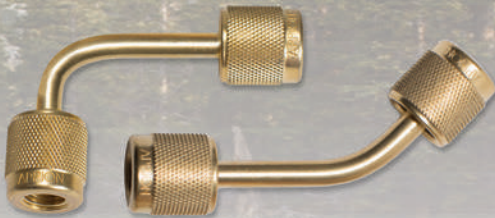
### Low-Loss Charging T-Fittings

- **Drastically Minimize Charge Loss:** Accurately charge AC/R systems without manifold or unnecessary hoses
- **Multifaceted Adapter for Easy Charging:** Quickly check system pressure; designed for pressure and vacuum
- Available in 1/4" and 5/16" system connections



Part #: CTEE14

Part #: CTEE516



### Seamlessly Constructed Connectors and Adapters

- Virtually eliminate leak and failure points - for pressure and vacuum
- **Ultra-Low Volume:** Accurate, reliable system measurement; low loss

### Vacuum-Certified Aluminum Port Caps

- Machined from aircraft-grade aluminum - rated to 20 Microns
- Standard sized replacement cap kits - Available in 1/4", 3/8", and 1/2" connections



### Appion Vacuum-Rated Tools & Accessories

- Tested to handle the rigor of being under both pressure and vacuum
- Rated to hold a vacuum of 20 Microns
- More convenient way for service technicians to do their job faster

### "Applied Innovation Video Guide"



Check out this video to learn more about our tools at [www.AppionTools.com](http://www.AppionTools.com)



# TEZOM™

## MICRON - DRY

- Synthetic blend improves vacuum pump performance and provides greater protection to internal pump components
- Ultra-low vapor pressure oil (<1 microns) for superior vacuum sealing performance
- Longer-lasting performance reduces overall oil consumption and cost
- **Faster Evacuation of systems that use POE oil (including R410a)**
- **Clean and Dry** - Quick and easy oil change removes moisture and dirt, preventing long-term sludge buildup

Hermetically-Sealed TEZOM™ Cartridge  
Clean, Dry Oil for Rapid, Deep Evacuation

PATENT PENDING

# AV760 Full Range

## Vacuum Gauge

The high-accuracy solution to verify a complete system evacuation.



### Ensure System Efficiency, Reduce Call Backs

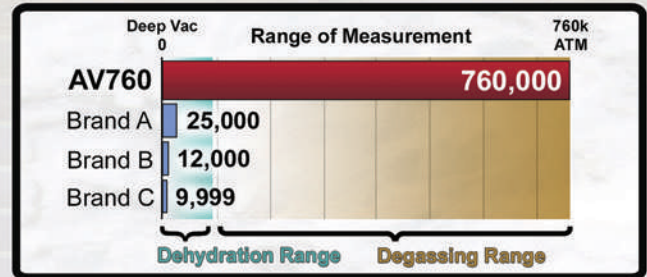
- **Consequences Of An Incomplete Evacuation:** Acids, sludge, clogged TXVs, potential compressor failure and decreased system efficiency
- **Verify A Complete Evacuation:** Full range response and unprecedented accurate measurements from 760,000 microns (atmosphere) to 1 Micron
- **Total Complete Measurement Confidence:** Repeatable, NIST-traceable accuracy with 10-point certification

**Without verifiable measurement, there is no verifiable result.**

**ION: Innovation turned ON™**

**Part #: AV760**

Product Specifications	
<b>Range</b>	760,000 Microns to 1 Micron
<b>Usage</b>	Full Range Vacuum Gauge
<b>Accuracy</b>	+/-5% or 10 Microns (1 to 5k) +/-5% (5k to ATM) <i>NIST-Traceable</i>
<b>Resolution</b>	1 micron (1-499), 5 (500-2k), 50 (2k-5k), 250 (5k-15k), 1k (15k-ATM)
<b>Maximum Overpressure</b>	400 psi
<b>Operating Temperature</b>	0° - 140° F (-17.8° - 60° C)
<b>Units</b>	Microns, mTorr, kPa, mBar, in/Hg, psia
<b>Fitting</b>	1/4" Male SAE Flare
<b>Included Adapter</b>	1/4" F to 1/4" F Swivel Vacuum Connector



- Filter and oil catch to keep sensors clean and maintain accurate measurement
- Rubberized water resistant housing (IP65 Rated)
- Bright backlit LCD display and easy-to-clean sensors
- Remote, real-time measurement with the ION HVAC/R App™ (iOS®/Android)

### “Evacuation: What if I don’t?”



Learn why verifying a complete evacuation is critical at [www.AppionTools.com](http://www.AppionTools.com)

**More Functionality. Reduced Bulk.**

PATENT PENDING

# NEW ION PT Gauges

## Pressure / Temperature



Part #: PT500

Part #: PT800

- NIST-Traceable Accuracy with 5-point Certification
- View Multiple, Simultaneous Measurements: “Low Side”, “High Side” & Temperature
- Digital “Stub” Gauges: No hoses, No manifold. Minimize charge loss and leaks
- Minimal Thermal Mass Clamps: Compact, stainless steel clamp for durability and easy placement
- Thermally-Isolated Contact Sensor: Reduced thermal mass for greater accuracy
- Advanced System Analysis: Superheat/Subcool Calculations, Reporting, Live Data Logging and more with the ION HVAC/R App™

Temperature Sensors	
Sensor Type	NTC Thermistor
Range	-40 - 225°F (-40 - 105°C)
Accuracy	± 0.27°F (0.15°C) 32 - 122°F (0 - 50°C)
Resolution	0.1°F/C
Cable Length	79 in (2m)
Clamp Opening	0.25 - 1.5 in OD

	PT500	PT800
Range	Compound 29 inHg - 500 psi	0 - 800 psi
Accuracy	± 0.5% FS (ASME B40.7 Grade 2A)	± 0.5% FS (ASME B40.7 Grade 2A)
Resolution	0.5 psi	0.5 psi
Units	psi, inHg, kg/cm <sup>2</sup> , cm/Hg, bar, kPa, MPa	psi, kg/cm <sup>2</sup> , bar, kPa, MPa
Maximum Overpressure	750 psi	1,000 psi

\* Each gauge includes 1x1/8" Male NPT Fitting, 1x1/4" Male and 1x1/4" Female Swivel SAE Flare adapter.

### ION PT Gauge Set

#### Contents include:

- (1) PT500
- (1) PT800
- (2) Thermal Clamps
- (2) Thermal Sensors
- (1) 1/4" Charging T-Fitting
- (1) Angled Connector
- (1) Case



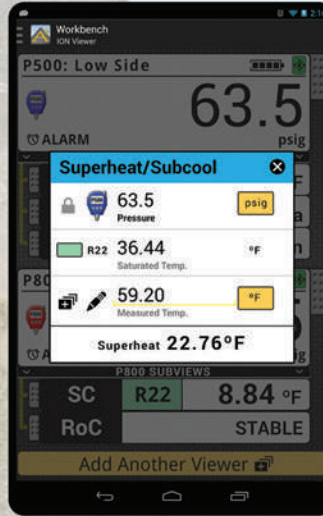
Part #: IONKIT-PT

PATENT PENDING



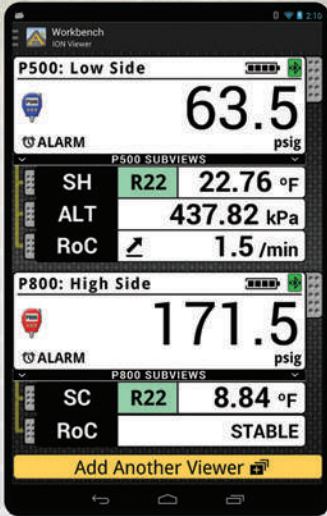
# ION HVAC/R App™

Wireless Gauge Features with the ION App™



## Superheat/Subcool

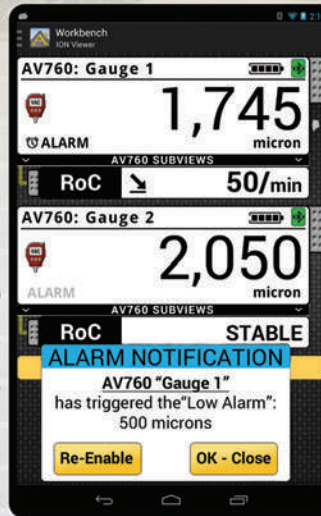
Monitor system efficiency and determine ideal refrigerant charge using superheat/subcool calculations through manual entries or by connecting to a thermal measurement.



## "Digital Manifold" Functionality

Configure the Workbench with multiple "subviews":

- Calculate Superheat/Subcool (SH/SC) measurements.
- Real-time conversion to Alternate (ALT) units.
- Access an extensive refrigerant P/T lookup library, and more.



## Rate of Change

Monitor evacuation speed with the Rate of Change feature to quickly establish if an evacuation has stalled or if the vacuum pump oil needs to be changed.

## Custom Alarms

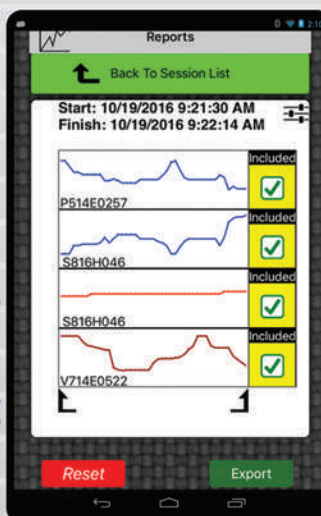
Activate custom alarms and receive notifications when your desired micron level has been reached.



## ION HVAC/R App™ Workbench

The Workbench is the primary interface for a technician to interact with the application.

- Determine current readings, Bluetooth connection status, battery life, and multiple subviews at a glance.
- Connect to multiple devices for advanced "digital manifold" functionality.



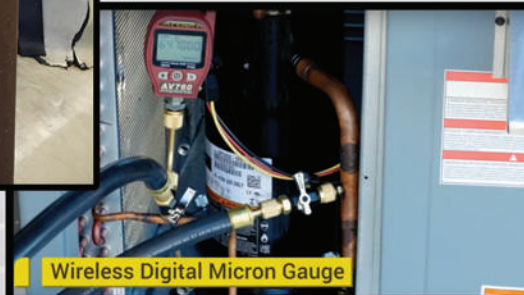
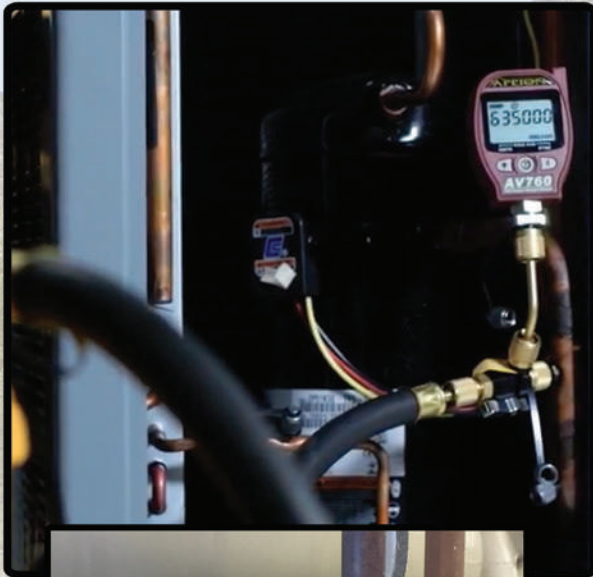
## Data Logging and Recording

Record real-time measurements and send data in PDF and Excel format with the live data logging and reporting function.

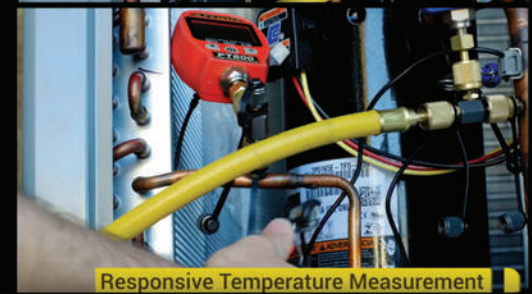
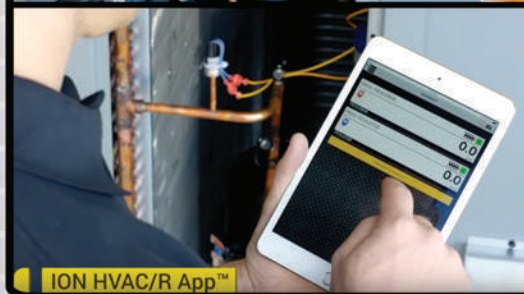




# ***ION System Analysis***



**More appION  
devices to be  
announced in  
2017.**



# Product & Parts Index

Appion Product Index		
Pg.	Part No.	Description
14	AV760	Full Range Wireless Digital Vacuum Gauge
5	G1SINGLE	G1Single Recovery Unit - Single Cylinder
4	G5TWIN	G5Twin Recovery Unit - Twin Cylinder
12	MGABAS	MegaFlow Basics 1/2" Hose Evacuation Kit
13	MGAKIT-V	MegaFlow Vacuum Speed Kit
12	MGAMAN-V	MegaFlow Multi-Port Vacuum Manifold
12	MGAVCR	MegaFlow 5/16" Vacuum-Rated Valve Core Removal Tool
12	MGAVCT	MegaFlow 1/4" Vacuum-rated Valve Core Removal Tool
12	MGH126	MegaFlow Hose: 6-inch, 1/2" Dia., 1/2"FL to 1/2"FL Black (TEZ8 to Manifold Connection Hose)
12	MGH126-E	MegaFlow Hose: 6-inch, 1/2" Dia., 1/2"FL to 1/2"FL Black (Universal Pump-to Manifold connection Hose)
12	MH120006EAK	MegaFlow Hose: 6-foot, 1/2" Dia., 3/8"FL to 1/4"FL Black
12	MH380006AAY	MegaFlow Hose: 6-foot, 3/8" Dia., 3/8"FL to 1/4"FL Yellow
12	MH380006EAB	MegaFlow Hose: 6-foot, 3/8" Dia., 3/8"FL to 1/4"FL Blue
12	MH380006EAR	MegaFlow Hose: 6-foot, 3/8" Dia., 3/8"FL to 1/4"FL Red
12	MHCUSTOM	MegaFlow Hose: Custom lengths and fitting combinations available; contact Appion for pricing and details
15	PT500	ION Compound 29inHg to 500PSI Digital Pressure and Temperature Gauge (Includes 1/4"M and F adapters)
15	PT800	ION 0 to 800PSI Digital Pressure and Temperature Gauge (Includes 1/4' M and F adapters)
8	TEZ8	TEZ8 Vacuum Pump 8cfm
13	TZM1PK	Pre-Charged TEZOM Micron-Dry Oil Cartridge
13	TZMGLN	TEZOM Micron-Dry Oil Gallon Bottle

ION Digital Gauge Accessories	
Part No.	Description
AY0521	1/4" FL Female Swivel Adapter for Digital Gauges
CTEE14	1/4" FL Charging T-Fitting
CTEE516	5/16" FL Charging T-Fitting
KT2110	Digital Wireless Vacuum Gauge Oil Catch (set of 10)
KTCAP10-14	MegaSeal 1/4" Cap with Strap - 10 Pack
KTCAP10-38	MegaSeal 3/8" Cap with Strap - 10 Pack
MF4014	1/4" FL Male Adapter for Digital Gauges
PL7502	Digital Gauge Carrying Case (9x11)
PL7504	Digital Gauge Carrying Case (10x15)
PL7506	Digital Gauge Carrying Case (14x18)
VFL45B	MegaSeal 45° 1/4"M-F Adapter
VFL45L	MegaSeal 45° Vacuum-Rated Connector (2x1/4" F Flare Swivel)
VFL90L	MegaSeal 90° Vacuum-Rated Connector (2x1/4" F Flare Swivel)

G5Twin Repair Parts and Accessories	
Part No.	Description
AY0036	Fan Gearbox Assembly with Fan Blade
AY0171	Inlet Filter Screen Pack (set of 4)
EL5017	Motor Start Relay - 115v
EL5028	Motor Start Capacitor - 115v
EL5030	550-PSI High Pressure Switch
EL5120	Power Switch with Breaker
GA0700	0-700 PSI Gauge
KTGA00	2-Pack of 0-700 PSI Gauges
KTF032	Filter Dryer and Hose Kit (Size 032)
KTF612	Inlet Filter Screen Fitting - 1/4"FL
KTG515	Piston Seal Replacement Kit
KTG520	Twin Compressor Rebuild Kit
KTG535	Front Ball Valve Seal Kit
LB1201	G5 Twin Warning Label
PL7010	Input Knob (blue)
PL7011	Output Knob (red)
PL7600	Case Side Panel
PL7601S	G5 Twin Front Panel
PL7602	Case Back Panel
WR9051	Power Cord - 115v

G1Single Repair Parts and Accessories	
Part No.	Description
AY0036	Fan Gearbox Assembly with Fan Blade
AY0171	Inlet Filter Screen Pack (set of 4)
EL5017	Motor Start Relay - 115v
EL5028	Motor Start Capacitor - 115v
EL5030	550-PSI High Pressure Switch
EL5120	Power Switch with Breaker
GA0700	0-700 PSI Gauge
KTGA00	2-Pack of 0-700 PSI Gauges
KTF032	Filter Dryer and Hose Kit (Size 032)
KTG142	Piston Seal Replacement Kit
KTG166	Single Compressor Rebuild Kit
LB1417	G1 Single Warning Label
MF3612	Inlet Filter Screen Fitting - 1/4"FL
PL7600	Case Side Panel
PL7511S	G1 Single Front Panel
PL7602	Case Back Panel
WR9051	Power Cord - 115v

# Product & Parts Index (continued)

MegaFlow Repair Parts and Accessories	
Part No.	Description
AY0533	Valve Core Removal Stem Assembly
K11AA	MegaFlow Hose Gasket: 1/4"
K11EE	MegaFlow Hose Gasket: 3/8"
K11GG	MegaFlow Hose Gasket: 1/2"
KTCAP10-14	MegaSeal 1/4" Cap with Strap - 10 Pack
KTCAP10-38	MegaSeal 3/8" Cap with Strap - 10 Pack
KTMM03	Manifold Valve Rebuild Kit
KTMM11	Manifold Seal Replacement Kit
KTMV25	Valve Core Tool (VCT) Rebuild Kit
KTMV40	VCT Body Swivel Fitting O-Rings Kit (All Tools)
KTMV56	VCT Body Swivel Fitting O-Ring Kit (2nd Generation)
KTMV58	VCT Stem Assembly O-Rings
MF3957	1/2" MegaSeal Aluminum Cap with Strap

Tez8 Repair Parts and Accessories	
Part No.	Description
AY0036	Fan Gearbox Assembly with Fan Blade
AY0672	4-Port Input Assembly
AY0677	Case Left Side Panel (TEZOM Side)
EL5120	Power Switch with Breaker - 115v
KTCAP4	4-Port Cap Set for Tez8
KTT840	Tez8 Input Seal and Cap Kit
KTT855	TEZOM Cartridge Seal Kit
KTT881	Tez8 Pump Rebuild Kit
LB1342	Tez8 Warning Label
MF3871	Exhaust Port Cap
MF3818	Tez8 Debris Filter Screen
NB6993	Debris Tube Spring
PL7602	Case Back Panel
PL7894	TEZOM Protective Door
PL7915	Debris Tube Protective Door
PL7922	Debris Monitor Catch Tube
WR9000	Power Cord - 115v

## Lifetime Technical Support

Appion offers technical and troubleshooting support for the lifetime of every product. Regardless of your warranty status, you can always contact us for assistance.

Our website includes additional technical information that can help you experience the fullest potential of our products, making your job quicker and easier.

## Contact the Factory

Tel: (303)937-1580  
 Fax: (303)937-1599  
 Website: [www.AppionTools.com](http://www.AppionTools.com)  
 Email: [Sales@AppionTools.com](mailto:Sales@AppionTools.com)  
 -or-  
[Support@AppionTools.com](mailto:Support@AppionTools.com)

## Warranty Information

For complete warranty details, visit our website at: [www.AppionTools.com](http://www.AppionTools.com).

In general terms, Appion warranty coverage\* includes the following:

### **Recovery Machines, Vacuum Pumps, and Wireless Digital Gauges:**

- Warranty coverage includes over-the-counter exchanges for 90 days after purchase, and no-charge repairs for 1 year after purchase.

### **Components and Accessories:**

- Warranty coverage includes over-the-counter exchanges for 90 days after purchase.

## Warranty Procedure

All warranty returns and repairs must receive factory authorization and an RGA Number **prior to any action**. Call or email the factory to request the RGA number. To help us provide the best service, be sure to have the following information available:

- Serial Number of the defective unit (if applicable)
- Purchase Date of the defective unit
- A detailed description of the problem, if possible

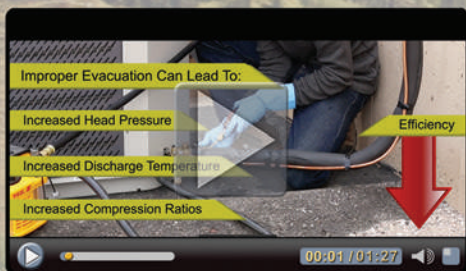
\* Warranty coverage requires prior authorization.

Appion Terms and Conditions Apply. Product and warranty information subject to change at any time without notice. Additional and current details are available at our website: [www.AppionTools.com](http://www.AppionTools.com).

# Faster Recovery/Evacuation Made Simple

For Useful Service Tips and Free Educational Videos

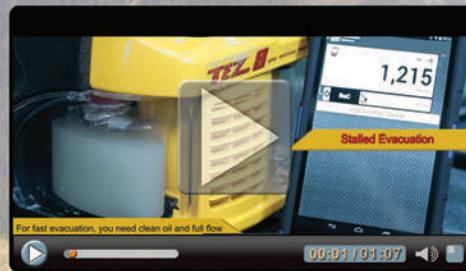
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