

MAHLE

Driven by performance

Catalog No. AFS-13
Supersedes 2012 Catalog

2013

Automotive Fluid Service Equipment Product Catalog

AFTERMARKET





MAHLE

Driven by performance

DEMAND THE BEST...

DEMAND RTI SERVICE EQUIPMENT

In an industry that demands the best, RTI delivers the highest performance, most dependable equipment built – just ask the thousands of service centers that rely on RTI units every day. RTI's factory tested equipment is constructed with durable components to ensure it not only outlasts, but also outperforms other brands. The superior RTI experience doesn't just end at the store; extensive warranty coverage and veteran sales support ensure you will have service needs completed quickly and without hassle. With the widest range of automotive fluid exchange service equipment, RTI has a model to fit any need and an experienced staff working for your success. RTI's concentration and expertise has focused on creating the best automotive service equipment available and the best service to match. www.rtitech.com



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An Introduction to MAHLE



As a leading global development partner for the automotive and engine industry, MAHLE offers unique systems competence in the internal combustion engine and engine peripherals. With business units dedicated to Engine Systems and Components as well as Filtration and Engine Peripherals, the MAHLE Group ranks among the top three systems suppliers worldwide.

In 2012, the MAHLE Group achieved sales of nearly \$7.9 billion, positioning the company among the top 30 automotive suppliers worldwide. MAHLE has a local presence in all major world markets with over 48,000 employees at over 100 production plants and 7 research and development centers around the world.

The addition of the RTI family of products into the organization represents a new chapter for MAHLE, opening the door to new opportunities in new markets.

MAHLE Clevite Inc., RTI Division will continue operations in York, Pennsylvania, and supply shop equipment under the MAHLE/RTI brand to the Independent Aftermarket and major OE manufacturers in North America; while distributing equipment under the MAHLE brand around the world.

MAHLE Clevite Inc. completed the acquisition of RTI Technologies on January 1, 2013; and immediately introduced the RTI Division of MAHLE Clevite Inc. to the workshop equipment industry. The acquisition presents an opportunity for MAHLE to expand its business into the repair shop equipment sector of the Automotive Aftermarket. The company will continue to develop and distribute automotive maintenance equipment including air conditioning service, fluid exchange and nitrogen tire inflation systems.

For nearly 100 years, MAHLE has played a decisive role in promoting the development of automotive and engine technology; setting standards time and again. Driven by performance—every MAHLE employee demonstrates surpassing enthusiasm for performance, precision, and perfection.

Beyond our own horizons

As a global automotive supplier, MAHLE has a responsibility that extends far beyond the Group itself. We underpin our success in the various regions of the world with the principle of sustainability. The aim is to create value and to ensure that we preserve and enhance long-term benefit for people, cultures, and the environment. This social responsibility is deeply rooted in our tradition and is part of the underlying basic values of the MAHLE Group.



RTI's Patented Remote Paging Device

With TechALERT® from RTI, one technician can monitor as many as four machines while performing a separate service elsewhere in the shop.

Every TechALERT® features:

- Remote storage pocket
- Machine-mounted base
- LED indicator to confirm synchronization
- Durable lightweight material
- High-strength composite housing
- Four (4) sealed LEDs show status for up to four (4) machines
- Out-of-range signal
- Operation Complete signal
- Process Interrupted signal
- Remote Device Locate feature

TechALERT® compatible machines:

- ArcticPRO®
- RHS®980
 - RHS®980H
 - RHS®980C
- NitroPRO®
- NTF-515
- FluidPRO®
- BFX-2



TechALERT® Factory Installed	495-80017-00
TechALERT® Base and Remote (AAA batteries included)	495-80000-00
TechALERT® Universal Remote only (AAA batteries included)	495-80001-00

TechALERT® SPECIFICATIONS

Electrical	3.0 V, requires (2) AAA batteries for power; batteries included.
Operating Range	Up to 300 feet nominally from base unit (Certain conditions may increase or decrease distance accordingly.)
Battery Operating Life	90 days typical (certain conditions may increase or decrease life accordingly.)
Low Battery Indicator	Included, LED, buzzer & vibration alert signals
Remote Dimensions	5.5 in x 1.0 in x 0.8 in (14.0 cm x 2.5 cm x 2.0 cm) (L x W x D)
Remote Weight	3.0 ounces (batteries included)
Shipping Box Dimensions	10.75 in x 7.5 in x 3.5 in (L x W x D)
Shipping Weight	2.0 lb (box and components)
Warranty	1 Year-parts

Digital R134a A/C Service Machines



ArcticPRO® equipment from RTI offers a full range of choices in A/C Service equipment. All of our ArcticPRO® models offer superior productivity, better system performance and better functionality than competitive models. And when you select an ArcticPRO® machine from RTI, you're getting the added value of an array of customer care solutions including nationwide service centers, and factory setup and training. That's why leading service center chains nationwide Go Pro!

ArcticPRO® technology from RTI gives your shop:

- Superior system performance
- Quicker service times
- Less wasted refrigerant
- Increased customer satisfaction
- Better margins
- Customization for your exact needs
- Maximum uptime, less maintenance and fast service support
- SAE J2788 certified productivity
- Increased technician productivity with TechALERT® compatibility
- Models available for servicing hybrid vehicles



ArcticPRO® RHS®980 Series

RHS® 980

RHS® 980H

RHS® 980C



Whether its RHS®980, RHS®980H, or RHS®980C, RTI's RHS®980 Series machines consistently outperform competitive models with the fastest service times and best recovery accuracy.

FEATURES	RHS®980	RHS®980H	RHS®980C
Full-automatic operation recover cycle, system oil capture, vacuum, leak test, charge. Includes automatic air purge.	•	•	•
Display: multilingual (English, Spanish, & French)	•	•	•
Low-side combination filter includes full capacity alert	•	•	•
2-year standard warranty	•	•	•
On-board diagnostics to check solenoids, transducers, compressor, vacuum pump, and calibration functions	•	•	•
Internal date/time clock	•	•	•
SAE J2799H Certified for high voltage compressor service		•	•
Sample Oil Injection Kit		•	•
Two distinct vacuum operation selections		•	•
Standard integral printer			•
High pressure leak detection function			•
Liquid refrigerant flush function			•
Technician/ service manager password protection			•
Micron vacuum level sensors and ambient air humidity sensor			•
(3) Temperature probes with 20' cables			•



Leading the pack in A/C service equipment

The superior technology in our ArcticPRO® Series Digital R134a Refrigerant Handling Systems outshines the competition.

Interior – LH side

Exclusive KWIK-CHANGE "block" manifold assembly

Industrial-duty cooling fan

Shock-resistant cylinder mounting

Industrial-strength weight scale



KWIK-CHANGE "Block" Manifold Assembly

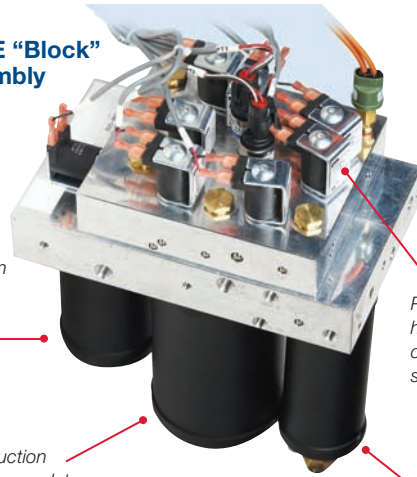
Patented design

Low-side combination filter – includes full capacity alert

Suction accumulator

Premium high-flow capacity solenoids

Oil Separator



Large face pressure gauges

Pre-programmed languages (English, French, Spanish)

All controls mounted in 180° rotating turret

Easy to use control panel features



ArcticPRO® Series Specifications

RHS®980, RHS®980H, RHS®980C 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)
Shipping Weight	Approximately 260 lbs (118 kg)
Operating Ranges	32° - 120°F (0°-49°C)
Scale Accuracy	J2788 Certified (+/- 0.5 oz)(+/- 15 grams)
Recovery Accuracy	J2788 Certified >95% at 70 to 75° F (21 to 24°C) within 30 minutes
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	6 CFM, single stage, 29.9 InHg
Charging Cylinder	30 lb (13.6 kg) DOT
Recycling Filter-Drier	Spin-on type
Warranty	2 Years–parts & labor

RHS®980, R134a Digital A/C Refrigerant Handling System Includes RHS®980 Set-Up & Training DVD **P/N 460-80315-00**

RHS®980H R134a Digital A/C Refrigerant Handling System, High Voltage Compatible Includes RHS 980 Set-Up & Training DVD **P/N 460-80319-00**

RHS®980C R134a OEM Grade A/C Refrigerant Handling System Includes RTI Rep Set-Up & Training **P/N 460-80313-00**

OPTIONAL EQUIPMENT:

Printer Factory Installed (Std w/RHS®980C) **P/N 360-82181-00**

Printer Kit Plug & Play Installation **P/N 360-82182-00**

A/C Database Pass Car / Lt Truck, MY2012 & Earlier **P/N 360-82777-00**

Integrated Refrigerant Identifier Factory Installed **P/N 360-82179-00**

Refrigerant Identifier Kit Plug & Play Installation **P/N 360-82180-00**

ArcticPRO® Productivity Package* (includes items listed below) **P/N 465-80061-00**

TechALERT® w/ Base & Universal Remote **P/N 495-80000-00**

A/C Database – Pass Car / Lt Truck, MY2012 & Earlier **P/N 360-82777-00**

3 Year Warranty Extension - 5 Yrs Parts/2 Yrs Labor, Total **P/N 360-82176-00**

ArcticPRO® Service Shop Display Banner (Rugged Vinyl Coated Material, 84 in x 33.5 in) **P/N 035-81393-00**

**Individual productivity items can be ordered separately.*



ArcticPRO® ACF-3000

Closed-loop process circulates flushing fluid for thorough filtration of contaminants. Simple to operate, uses shop air and can be operated unattended. Utilizing the Universal Adapter Kit, the ACF-3000 can be connected individually to the inlet and outlet ports of an A/C system component.

ArcticPRO® ACF-3000 SPECIFICATIONS

Air Supply	55-120 PSI
Fluid Capacity	1 gallon (3.6 liters)
Dimensions	39in x 16.5in x 27in (99cm x 42cm x 68.5cm) (H x W x D)
Weight	118 lbs., 53.52 kg
Fluid Pump	2 GPM, 7.57 LPM
Warranty	1 Year – Parts & Labor

ACF-3000	P/N 405-80003-00
Super Flush Pro 4 –1-gal. Containers	P/N 011-80026-00
Universal Adapter Kit	P/N 305-80032-00



Total Store A/C Starter Package

Includes Ford spring tools, valve core removal tools, port de-burring tools, duct thermometer, orifice tube removal tool set, o-ring removal tool, Bridgeport sockets, various adapters for hoses, and more.



- Fin comb
- Condenser cleaning air gun
- Heat gun
- High side adapter kit
- Leak detector – electronic
- Leak detector – UV dye with 5 dye cartridges
- Safety goggles and gloves (2 pairs each)
- System guard protectors for completed service jobs
- Retrofit clutch/pressure switch
- Retrofit adapters
- Complete consumables kit
- A/C refrigerant capacity chart
- Compressor oil replacement chart
- Flush gun and flushes for nine cars
- Six different types of oils (total of 27 bottles)

Total Store A/C Starter Package P/N 360-81398-00



Leak Detection Systems

Elite UV Detection Kit

LED-style cordless light with rechargeable battery. Premium 2 oz. refillable injector – no proprietary cartridges necessary. All A/C dyes are R12 and R134a compatible. Kit includes:

- LED UV Light–cordless
- Fast charger
- Storage case
- 2 oz. Refillable injector
- “Dye Installed” decals
- 4 oz. Super bright dye
- UV enhancing glasses

Elite UV Detection Kit

P/N 360-81813-00

LD-2 Gas Leak Detector

Dual-mode detector features a solid electrolyte gas sensor and a patented UV dye detection system. Digital functionality allows for precise pinpointing of the leak source and detects HFC (R-12), HFC (R-134a) and HFO (R-1234yf) refrigerants.

LD-2 Gas Leak Detector

P/N 026-80635-00



Complete A/C Consumables & Starter Kit



GM O-rings & gaskets



Ford O-rings & springs



Chrysler metal gaskets



Orifice tubes



Import O-rings

Complete A/C Consumable Starter Kit (5 boxes with over 890 pieces)

P/N 026-80223-00

Ford O-rings and springs

P/N 026-80223-01

GM O-rings and metal gaskets

P/N 026-80223-02

Chrysler metal gaskets

P/N 026-80223-03

Import O-rings

P/N 026-80223-04

Retrofit fittings, ports and caps and 8 different types of orifice tubes

P/N 026-80223-05

General

ArcticPRO® A/C Service Bay Banner (Deluxe, 84 in. x 33.5 in. banner, poly-reinforced white vinyl, rope, grommets, and wind slits.

P/N 035-81393-00

RHS®980 Set-Up & Training DVD w/Storage Case

P/N 561-80101-00

ArcticPRO® RHS®980/980C Dust Cover (Made from reinforced fabric, gray)

P/N 026-80573-00



A/C Adapters, Couplers, Cylinders, Fittings



1	R134a Tank Adapter Attaches R134a Low Side Field Service Coupler to 1/2 in. ACME threads.	P/N 023-80147-00
2	R134a Vacuum Pump Adapter 1/4 in. Flare female x 1/2 in. ACME male.	P/N 360-80844-00
3	Red High Side Service Coupler Fits all machines and gauge sets requiring R134a High Side connection. 1/2 in. ACME threads connect to hose ends.	P/N 023-80095-00
4	Blue Low Side Service Coupler Fits all machines and gauge sets requiring R134a Low Side connections. 1/2 in. ACME threads connect to hose ends.	P/N 023-80096-00
5	R134a DOT Cylinder 30 lb. Standard “re-usable” DOT container. 1/2 in. ACME connections. Electronic Weight Scale recommended to avoid over-filling.	P/N 360-80301-00
6	R134a DOT Cylinder 30 lb., with OFP Over-fill protection float switch installed. Compatible with RTI equipment or Brad Harrison-type electrical connector	P/N 360-80332-00
7	Heat Blanket Adds heat to refrigerant containers to increase transfer/charging speed. 100–120 Volt. Thermostatically controlled with thermal fuse for safety. Fits 30 lb. and 50 lb. containers. Recommended in cold climates.	P/N 026-80092-00

A/C Oil and Flush Items



1	Fluid Flush 1 qt. Removes lubricants and particulates from R12 and R134a systems. Used with RTI Flush Gun.	P/N 011-80023-00
2	Flush Gun Assembly Uses shop air to flush contaminants from A/C systems.	P/N 360-81334-00
3	Super Flush Pro Four 1-gal. Containers For use with major closed-looped flush machines:	P/N 011-80026-00
	<ul style="list-style-type: none"> • Flushes all vehicles • Meets all A/C compressor (new and rebuilt) manufacturer requirements • For most effective use, see ACF-3000 A/C Flush Machine on page 8 	
4	PAG Oil Replacement Cartridge used w/360-82469-00	P/N 026-80550-00
	POE Oil Replacement Cartridge used w/360-82469-00	P/N 026-80551-00
5	A/C Oil Kit	P/N 360-81336-00
	<ul style="list-style-type: none"> • Six types of Oil (27 bottles) • PAG 46, 100, and 150 (8 bottles, 8 oz. each) • Mineral, YA-9 Ford, and Ester (1 qt. each) 	
		PAG Oil 46, 8 oz. P/N 011-80015-00
		PAG Oil 100, 8 oz. P/N 011-80016-00
		PAG Oil 150, 8 oz. P/N 011-80017-00
		Oil Mineral SUS-500 1 qt. P/N 011 80018 00
		Oil Ford YA-9 1 qt. P/N 011-80019-00
		Oil Ester 1 qt. P/N 011-80021-00
6	Premium Oil Injection Kit A/C lubricant and dye adapter kit	P/N 360-82481-00



A/C Equipment Maintenance



1	Filter Kit For RHS®980 machines	P/N 360-82133-00
2	Maintenance Kits	For RHS®780/RHS®730V P/N 360-82029-00
3		For RHS®730E P/N 360-82031-00
4		For RHS®680 P/N 360-82032-00
5	Filter For RRC750/RRC760 Refrigerant Management Centers	P/N 026-80044-00
6	Filter, High Side Outlet filter change recommended at 50 hours of compressor run time (300–500 vehicles). See Recycling Machine Operation Manual.	P/N 026-80069-00
7	Filter, Low Side Inlet filter change recommended 25 hours of compressor run time (150–250 vehicles). See Recycling Machine Operation Manual.	P/N 026-80077-00
8	Filter, ID1000 and ID1000 PRO Protects from oil and debris	P/N 026-80128-00
9	In-line Filter 10 Pack In-line filtration is standard on most RTI A/C machines	P/N 360-81618-00
10	O-Ring Repair Set R134a Service Couplers Replaces O-rings in RTI and most R134a service couplers. Several sizes included.	P/N 360-80672-00
11	R12 Red System Hose 11 ft. with 1/4 in. turn valve assembly. Works on most machines and gauge manifold sets. Flare female x 1/4 in. Flare male.	P/N 360-80471-00
12	R12 Blue System Hose 11 ft. with 1/4 in. turn valve assembly. Works on most machines and gauge manifold sets. 1/4 in. Flare female x 1/4 in. Flare male.	P/N 360-80472-00
13	Vacuum Pump Oil Premium oil prolongs pump life when changed at regular intervals.	
		12 qt. Case P/N 360-80012-00 1 qt. P/N 011-80004-00
14	Replacement Hose Gaskets 10 pack For R12 or R134a machines	
	R12 P/N 360-82096-00	R134a P/N 360-82097-00

A/C Hoses

R134a, Red Hose RTI Low Permeability red high side service hose for all R134a machines and gauge sets. (1/2 in. ACME x 14mm)

9 ft. **P/N 028-80035-04**

11 ft. **P/N 028-80035-02**

15 ft. **P/N 028-80035-05**

20 ft. **P/N 028-80035-03**

R134a, Blue Hose RTI Low Permeability blue low side service hose for all R134a machines and gauge sets. (1/2 in. ACME x 14 mm)

9 ft. **P/N 028-80036-04**

11 ft. **P/N 028-80036-02**

15 ft. **P/N 028-80036-05**

20 ft. **P/N 028-80036-03**



A/C Equipment Maintenance



1	A/C Leak Detection Kit Compatible with R134a and R12. Molded case includes one 8 oz. universal dye cartridge, 12 volt UV light, R12 and R134a adapters, and dye injection gun.	P/N 026-80179-00
2	LD-1 Leak Detector Premium Electronic Battery powered. Meets new SAE Standards.	P/N 026-80320-00
	<ul style="list-style-type: none"> • Detects all halogenated refrigerants • Pinpoints leaks as small as 0.1 oz./year • Tri-colored visual leak level indicator • Variable frequency audible alarm • Easy-to-use keypad controls • Ergonomic, cushion grip handle • Auto reset, battery test and mute functions • Molded custom carry case 	
3	Sensor, Leak Detectors Replacement sensor tips for Leak Detector, 3 Pack to be used with P/N 026-80203-00 and P/N 026-80204-00	P/N 026-80094-02
4	Glasses, Dye Enhancing	P/N 026-80179-04
5	UV Gun Kit	P/N 026-80179-00
	Gun only	P/N 026-80179-03
6	UV Dye Cartridge , 8 oz., 32 Applications Contains enough A/C dye for 32 vehicles. Fits most dye injection guns.	P/N 026-80179-01
7	Refillable Dye/Oil Injector Professional aluminum 2 oz. capacity injector. One 4 oz. bottle of universal A/C dye included. Works on R12 and R134a systems.	P/N 360-81752-00
8	R12 Dye Adapter Works with most A/C injection tools. R134a low side to 1/4 in. Flare female. Included in UV Kit, P/N 026-80179-00.	P/N 026-80179-05
9	R134a Dye Adapter Attaches to most cartridges. R134a low side coupler. Included in UV Kit, P/N 360-81813-00.	P/N 026-80179-07
10	A/C Dye 1/4 oz., 12 pack Add 1/4 oz. bottle to the A/C system for faster leak diagnosis next time. Graduations on bottle for accurate dispensing.	P/N 011-80027-00
		1 oz., 6 pack P/N 011-80028-00
		4 oz., 4 pack P/N 011-80029-00
11	Oil Dye 1 oz., 6 pack Compatible with engine oil, transmission fluid and power steering fluid.*All of our super bright A/C Dyes are compatible with R12 and R134a systems	P/N 011-80031-00
12	Universal Dye Cartridge used w/360-82478-00	P/N 026-80552-00

A/C Supplies



- | | | |
|----------|---|-------------------------|
| 1 | System Guard Port Seals 125 Vehicle Pack Tamper-proof port seals guard against unqualified repairs and/or DIY additives. Each seal has a unique serial number. | P/N 026-80221-00 |
| 2 | Sealant Detector Cartridges , 25 Pack (included in Sealant Detector Kit P/N 360-81733-00) | P/N 026-80309-00 |
| 3 | RTI Guard Strap Style, 50 Pack, Tamper-proof straps guard against unqualified repairs. Each strap has a unique serial number. | P/N 026-80355-00 |

A/C Tools



- | | | |
|-----------|---|-------------------------|
| 1 | A/C Tool Kit includes Low Side Service Coupler, Duct Thermometer, Universal Valve Core Tool, Orifice Tube Service Kit, R134a Valve Core Removal Tool, R12 Port Thread Repair Tool, R134a Service Port Reamer Tool, Ford Spring Lock Set (4), O-Ring Removal Tool, Bridgeport Sockets, Universal Gaskets & Depressors, R134a Field Service Coupler O-Rings and Tank Adapters. | P/N 360-81429-00 |
| 2 | Sealant “Quick Detect” Kit Detects A/C system sealant so you can safely recover refrigerant and start repairs. Includes re-usable A/C system couplers and replacement cartridges to sample 10 vehicles. | P/N 360-81733-00 |
| | 25 pack of replacement cartridges | P/N 026-80309-00 |
| 3 | Orifice Tube Removal Tool , Deluxe Set Use to remove corroded orifice tubes. | P/N 026-80210-00 |
| 4 | R12 Service Port Thread Chaser | P/N 026-80214-00 |
| 5 | R134a Port Deburr Reamer Use during hook-up to avoid cutting the O-ring in your couplers. | P/N 026-80215-00 |
| 6 | Duct Thermometer This 1 in. dial duct thermometer ranges from -40° to +160°F. | P/N 026-80047-00 |
| 7 | Oil Drain Bottle 8 oz. For use with machines equipped with a 1/4 in. flare oil drain port. | P/N 026-80207-00 |
| 8 | Oil Injection Bottle 8 oz. , 1/4 in. Flare, For use with machines equipped with a 1/4 in. flare oil injection port. | P/N 026-80208-00 |
| 9 | Oil Injection Bottle 12 oz. , 1/2 ACME, Oil injection assembly for R12 or R134a works on most applications. 1/4 in. flare female and 1/4 in. flare male. Adapter included to convert to 1/2 ACME for R134a applications. | P/N 026-80116-02 |
| 10 | In-line Oil Charge Kit R12 or R134a, 12 oz. , In-line oil injection assembly for R12 works on most applications. 1/4 in. flare female and 1/4 in. flare male. Attaches in-line on a machine or gauge set. | P/N 360-80773-00 |
| | Kit with mounting bracket included | P/N 360-80774-00 |
| 11 | Condenser Blow Gun Cleans dirt and debris from condenser and radiator | P/N 026-80212-00 |

A/C Vacuum Pumps, Manifold Gauges, Scales

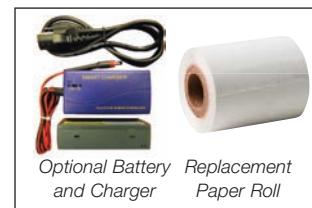


1	Vacuum Pump 7 CFM Pulls A/C system into deep vacuum in record time. Removes air and moisture rapidly. Can be integrated into many RTI refrigerant management centers.	P/N 360-81488-00
	<ul style="list-style-type: none"> ■ R12, R134a or other refrigerants ■ Simple, reliable operation ■ 7 CFM for extra rapid dehydration ■ 29.9 InHg, 300 micron vacuum level ■ Sturdy housing built to last 	
2	Vacuum Pump 2.5 CFM Newly-designed vacuum pump utilizes "twin port" technology for fast, deep vacuum levels. R12 and R134a ports designed for quick changeover between refrigerants.	P/N 026-80363-00
3	Electronic Weight Scale with 175 lb. (80 kg) capacity.	P/N 026-80348-00
4	R134a Gauge Manifold Sets Red, Yellow and Blue 6 ft. Hose Set. Anti-flutter design gauges. Professional-style service couplers.	
	R134a (Aluminum block design with sight glass.)	P/N 360-81900-00
	R134a (Brass block design with sight glass.)	P/N 360-81490-00
	R12 (Brass block design with shut-off valves.)	P/N 360-81489-00

Refrigerant Identifier Systems

ID1000 Pro Refrigerant Identifier System

- Determines refrigerant purity
- Identifies EPA SNAP approved blend refrigerants
- One hose hook-up
- Built-in printer
- Identifies percentages of R12, R134a, R22, hydrocarbons like propane and butane, and air. Pre-programmed Alpha-Numeric LCD Readout walks you through operation. Self-calibrating system ensures at least 98% accuracy. Rechargeable battery pack and charger make it portable.



ID1000 Pro	P/N 460-80253-00
ID1000 (without built-in printer)	P/N 460-80253-01
Replacement Paper Roll	P/N 028-80136-00
Battery & Charger	P/N 360-82157-00

R134a Mini ID Refrigerant Identifier R134a Systems

The Mini ID delivers fast and accurate refrigerant analysis in a compact and portable package. The unit evaluates 95% R134a system purity with a pass or fail indication and will identify excess air or fault during the sampling process.

R134A Mini ID Refrigerant Identifier	P/N 026-80643-00
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NTF-515 Nitrogen Tire Inflation System

RTI's simple NitroPRO® membrane technology requires no moving parts to generate nitrogen. Translation: easy and routine maintenance. Plus, our exclusive NitroPro membrane technology can generate up to 98% nitrogen purity, with consistent purity ratings over the life of the membrane.

Your customers will:

- Save on gas
- Improve tire life
- Improve safety
- Increase performance

Your shop will:

- Increase profits
- Increase add-on sales
- See more repeat business

The professional's choice for nitrogen tire inflation. The NTF-515 is the NitroPRO® series' flagship machine and offers the greatest number of standard features and more service capability than all other NitroPRO® models.

Major features include:

- Dual settings for either 95% or 98% N2 purity
- Automatic operation with up to 6 tire simultaneous fill
- Super-fast service times; 7 minutes for 6 tires
- Battery powered inflation controller for unit portability
- NitroPRO® membrane technology



TechALERT
COMPATIBLE



Superior membrane technology

NitroPRO® NTF-515 SPECIFICATIONS

Air Supply	100 to 150 psi (6.9 to 10.3 bar) required 13.3 CFM required
Electrical	Rechargeable Battery operates auto-fill. 110-120VAC 50/60 HZ power required for re-charge. Includes low battery charge indicator. Controls 2 ball valves. Includes process labeling, microprocessor w/ 4 push buttons & electronic display.
Vacuum	Venturi generator (17 InHg max)
Service Time/vehicle	5 minutes average (for average tire size of 225/60/R15)
Tires per hour	47 tires (maximum tires per hour including tank refill)
Storage Tank Capacity	15 gal (56.8 liter)
Nitrogen Purity Level	Adjustable, 95% or 98% (from membrane)
Hose	Coiled green air hose (18 ft working length) (5.5 m), green 1/4 inch air hose: Two 24 ft (7.3 m), Two 12 ft (3.7 m) working length hoses
Dimensions	49 in x 20 in x 22 in (125 cm x 51cm x 56 cm) (H x W x D)
Shipping Weight	238 lbs. (108 kg)
Accuracy	+/- 0.3psi (2.1 kPA) (0.02 bar)
Display Increments	1 psi
Warranty	Membrane: 5 Years–parts/1 Year–labor; Basic Unit: 1 Year–parts & labor; Wear Items: 90 days

NitroPRO® NTF-515

P/N 455-80018-00



NTF-230 Nitrogen Tire Inflation System

RTI's simple NitroPRO® membrane technology requires no moving parts to generate nitrogen. Translation: easy and routine maintenance. Plus, our exclusive NitroPro membrane technology can generate up to 98% nitrogen purity, with consistent purity ratings over the life of the membrane.

Your customers will:

- Save on gas
- Improve tire life
- Improve safety
- Increase performance

Your shop will:

- Increase profits
- Increase add-on sales
- See more repeat business

Low cost. Low maintenance and long life. Perfect for four tire top-offs also!

Major features include:

- Fast service times: up to 21 tires per hour
- Compact, portable design uses less floor space
- Simple NitroPRO® membrane technology for less maintenance
- High purity rating – factory set at 95%



RTI's filter technology provides 99.9% efficiency in water and oil separation, separates and removes random gases with its carbon filter bed and traps dirt and moisture.

Simple user interface for maximum efficiency and profits

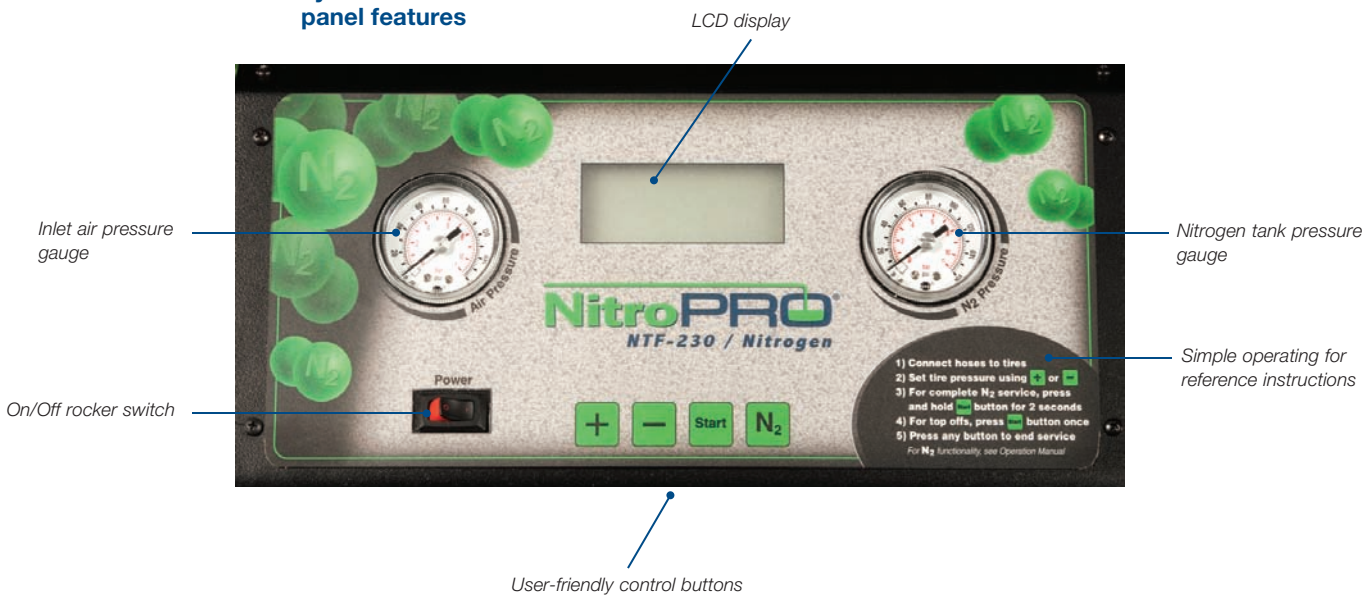
NitroPRO® NTF-230 SPECIFICATIONS

Air Supply	100 to 150 psi (6.9 to 10.3 bar) required 5.5 CFM required
Electrical	Rechargeable battery operates auto-fill, includes low battery charge indicator. 110-120VAC 50/60 HZ power required for re-charge. Includes microprocessor w/ 4 push buttons & electronic display.
Service Time/vehicle	5.0 minutes @ 95% purity (for average tire size of 205/65/R15)
Tires per hour	21 tires (Maximum tires per hour, including tank refill)
Storage Tank Capacity	30 gal (113.65 liter)
Nitrogen Purity Level (from membrane)	Factory set at 95%, can be adjusted to 98%
Dimensions	Hoses Green 1/4 inch air hose: Two 24 ft (7.3 m), Two 12 ft (3.7 m) working length hoses
Shipping Weight	204 lbs. (93 kg)
Controller Fill Accuracy	+/- 0.3psi (2.1 kPA) (0.02 bar)
Display Increments	1 psi
Warranty	Membrane: 5 Years/1 Year-labor; Basic Unit: 1 Year-parts & labor

NitroPRO® NTF-230

P/N 455-80024-00

Easy to use control panel features



NTO-200 Handheld Nitrogen TopOFF System

Put the power of NitroPRO® in the palm of your hand. The NitroPRO® NTO-200 Handheld Nitrogen Tire TopOFF System is simple to use and maintain. It's the perfect tool for single tire conversion and nitrogen top-off service.

Major features include:

- Lightweight and highly portable tool
- Tops off 4 tires in under 10 minutes
- Digital display for easy operation
- Self-contained membrane cartridge is easily removed for maintenance
- Great for non-automotive applications too



Offer more services to your customers with the NitroPRO® NTO-200. Stop turning customers away because you don't have Nitrogen capabilities.

NitroPRO® NTO-200 SPECIFICATIONS (Patent Pending Design)

Estimated Lifetime Grip (205/55/R16 Tire Size)	50,000 Tire Fills
Estimated Lifetime Cartridge	12,000 Tire Fills
Estimated Lifetime Cartridge (205/55/R16 Tire Size)	55,000 Tire Top-Offs @ 120 PSI 40,000 Tire Top-Offs @ 125 PSI
Nitrogen Capacity (Reference Condition at 14.7 PSI and 68°F)	30,000 Tire Top-Offs @ 130 PSI 19,000 Tire Top-Offs @ 135 PSI
Nitrogen Capacity (Reference Condition at 14.7 PSI and 68°F)	1.8 CFM @ 68°F Average (at 145 psi inlet pressure)
N2 Purity at Cartridge Outlet	95%, Average
Inlet Air Quality	ISO 8573-1: 2001 Class 3.-.3 It is not allowed to feed liquid/aerosol condensate, water or oil into NTO-200.
Inlet Pressure	72-160 psi
Max Tire Pressure***	50% of Inlet Pressure (80 psi / 5.5 bar / 0.55 MPa)
Temperature	-4°F to 122°F
Overall / Cartridge Weight	2.6 lbs./1.3 lbs.
Overall /Cartridge Dimensions	25.2 in X 9.1 in X 3.5 in. / 17.7 in X 3.5 in X 3.5 in
Certification CE Conforming	(EMC and PED Art.3.3)
Warranty	Grip & Cartridge 12 Months, limited
Maintenance	None

NitroPRO® NTF-230

P/N 455-80025-00



NitroPRO® Nitrogen Tire Inflation Systems



Nitrogen Tire Accessories



- | | | |
|-----------|---|-------------------------|
| 1 | Pressure Regulator For shops with compressor air pressure output above 150 psi. Reduces pressure to under 150 psi (within NTF operating range). | P/N 355-80070-00 |
| 2 | Digital Fill Gun Digital display w/variable units of measure, superb accuracy +/- 1%, automatic display shut-off, durable rubber-coated hosing. | P/N 023-80395-00 |
| 3 | Filter Kit 2.1 Filter replacement kit for NTF-230 models. Replacement required annually or as indicated on the NTF filter change indicator. | P/N 355-80025-00 |
| 4 | Filter Kit 5.1 Filter replacement kit for NTF-515, 15 Plus and 60 Plus models. Annual replacement required or as indicated by filter minder. | P/N 355-80149-00 |
| 5 | Wall Mount Holder Store your NTO-200 safely on the wall. Includes storage for N2 labeled stem caps. | P/N 355-80180-00 |
| 6 | Flyer Stand Display your POP flyers in this convenient stand. Holds 35 flyers for new and prospective customers. | P/N 355-80048-00 |
| 7 | Carbon Bed Replacement Kit for NTF-515, 15 Plus and 60 Plus models. Replacement required every two years. | P/N 355-80150-00 |
| 8 | Hose Reel 50 ft. of "Nitrogen Green" 3/8 in. I.D. nitrogen hose with adjustable hose stop. | P/N 375-80023-00 |
| 9 | Dually-Fill Hose Option Readily adapts machine to (6) hose fill capability. Available as accessory kit. Simple & convenient connection. | P/N 355-80049-00 |
| 10 | Battery Charger NTF-515/230 Models, 110 Volt | P/N 355-80204-00 |
| 11 | Cap Kit Need assistance in selling nitrogen tire inflation service? Offer your customer a NitroPRO® Cap Kit. Each kit includes a one-year premium roadside assistance subscription, (5) N2 branded tire valve system stem caps and complete program details. | P/N 355-80191-00 |



Marketing Materials

Sell nitrogen tire inflation in your shop with NitroPRO® marketing materials.

Every NitroPRO® unit is shipped with sample materials from our NitroPRO® marketing kit. Full kits include everything from sample point-of-sale materials to N2 embossed valve stem caps. Let your customers know you offer nitrogen and increase demand in your shop with NitroPRO® marketing materials from RTI.



NitroPRO® Marketing Kit

P/N 561-80087-00

Item	Description	Included in Intro Kit	Reorder Qtys	Part Number
Shop Banner	HD vinyl, 32 in x 84 in (H x W), includes both mounting grommets & tie ropes.	1	1	035-81535-00
Waiting Room Poster	36 in X 24 in (H x W), includes mailing tube	1	1	561-80083-00
Waiting Room DVD	Looping video sells value of NitroPRO® service for customers, 4-minute play time	1	1	561-80081-00
N2 Stress Balls	Green 2.5 in diameter foam stress ball	1	100	355-80164-00
			500	355-80165-00
			1000	355-80166-00
			100	355-80161-00
Car Air Fresheners	Features the N2 ball with pleasant fragrance	10	100	355-80161-00
			500	355-80162-00
			1000	355-80163-00
Service Reminder Stickers	Clear Vinyl with writable Service Sticker areas for service reminder data.	10 stickers	1 Roll (250 stickers)	355-80142-00
Valve Stem Caps	Embossed with N2 mark. Constructed from composite material and will not lock onto tire valve stems.	20	200	355-80026-00
			500	355-80156-00
			1,000	355-80157-00
POP Flyers	Informative flyer for new and prospective customers.	25	1,000	355-80044-00
POP Flyer Stand	Holds 35 flyers, 8.5 in x 10 in x 4.25 in (H x W x D)	1	1	355-80048-00

ATX+Boost Series Automotive Fluid Exchange Systems

FluidPRO® fluid exchange technology means better results:

- Quicker and more complete service
- More than 90% fluid exchange in a single pass for most machines
- Drastically reduced service times for maximum profits

Optimize your shop's service offerings and profits with FluidPRO® technology for the following applications:

- Power Steering
- Automatic Transmission

- Cooling System
- Braking System
- Manual Transmission
- Differential/Drive Axle

FluidPRO® Automotive Fluid Exchange Systems from RTI deliver fast, consistent and profitable results. We offer a full line of fluid exchange systems designed to quickly and competently extract used, contaminated fluids for the most common applications all without messy clean up, so shop Technicians can maximize efficiency and profitability.

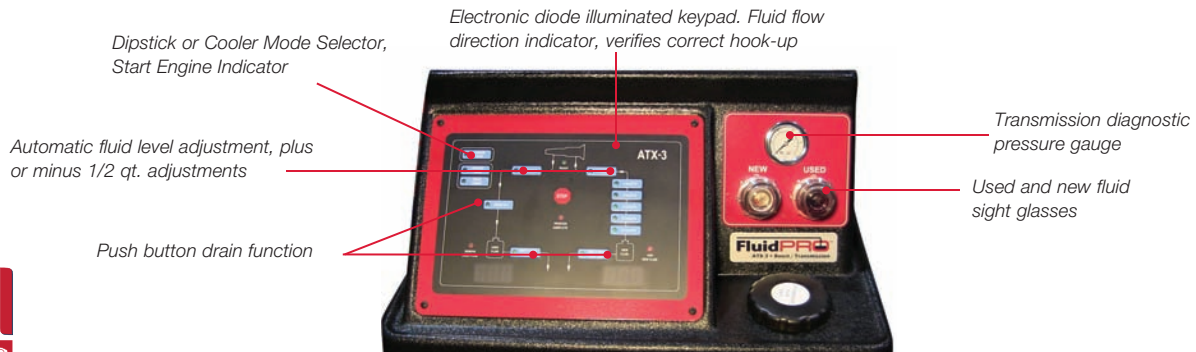


ATX-2+Boost



ATX-3+Boost

ATX-2 and ATX-3 + Boost control panel features



FluidPRO® Automotive Fluid Exchange Systems



FluidPRO® ATX Automotive Transmission Fluid Exchangers

Our technologically-advanced transmission service machines offer more benefits than any other brand:

- Easy operation
- Superior productivity
- Extremely fast service times
- Professional service
- Application flexibility
- Peace of mind



(More information on the PSX-3 can be found on pages 24 & 25)

ATX-2+BOOST, ATX-3+BOOST SPECIFICATIONS

Electrical	12 VDC - 15 Amp (ATX-3 + Boost: 12 VDC – 17 Amp)
Dimensions	45 in x 28 in x 26.5 in (112 cm x 70 cm x 67 cm) (H x W x D)
Shipping Weight	ATX-2 + Boost: 242 lbs. (110 kg) / ATX-3 + Boost: 244 lbs. (111 kg)
Operating Range	32° to 122°F (0° to 50°C)
Pump	Positive displacement gear pump, 4 quarts (3.8 liters) per minute/includes diaphragm pump, 7.2 quarts (6.84 liters) per min. Diaphragm pump increases fluid suction rate in low-flow/temperature controlled transmission in both ATX-2 + Boost & ATX-3 + Boost units.
Process Time	2 to 5 minutes average full exchange. ATX-3 + Boost also offers (Dipstick Mode) 8 to 14 minutes average full exchange.
Scale Accuracy	±0.03% over usable range
Controls	Microprocessor with digital keypad & light emitting diodes
Fluid Tanks / Types	26 quarts (24.6 liters) each for both new & used fluids / Multiple fluid capability
Hoses	10 ft (3 m) black & red (exchange); 8 ft (2.5 m) black (empty used tank) ATX-3 + Boost also includes 5 ft (1.5 m) clear, attached to 8 ft (2.5 m) black hose for dipstick mode.
Adapter Set	Cooler line connection. Valved couplers for minimum spill. Standard adapters for Ford, GM, Chrysler, & Universal (most Asian imports).
Warranty	1 Year–parts & labor

ATX-2 + Boost Automatic Transmission Fluid Exchanger Includes High Output Boost Pump **P/N 400-80008-00**

ATX-2 + Boost/PS Combo Power Steering/Transmission Unit PSX-3 mounted on rear of ATX-2 + Boost machine **P/N 415-80014-00**

ATX-3 + Boost/PS Combo Power Steering/Transmission Unit PSX-3 mounted on rear of ATX-3 + Boost machine **P/N 415-80019-00**

ATX-3 + Boost Automatic Transmission Fluid Exchanger Includes Dipstick Service Mode **P/N 400-80009-00**

ATX Adapter Set Complete Included as STD w/ATX equipment **P/N 300-80048-00**

Deluxe ATX Adapter Set Complete Includes many foreign car adapters **P/N 300-80049-00**



Power Steering and Differential Fluid Exchangers

FluidPRO® Power Steering (PSX-3) and Differential Fluid (DFX-1) Exchangers

Fast, clean and easy fluid exchange from RTI:

- Simple-to-use technology
- Fast process times
- Compact designs
- Application flexibility

Both machines use dual process hoses to provide new/used fluid visual.

DFX-1 Dual process hoses feature:

- Suction/fill tubes
- Valved hose ends
- Separate hoses for waste and new fluids

PSX-3
(Machine can be affixed to the back of the ATX+Boost Systems)



DFX-1



Differential fluid service just got simpler



PSX-3 SPECIFICATIONS

DFX-1 SPECIFICATIONS

Electrical	12 VDC - 4 Amp	120 VAC - 0.7 Amp
Dimensions	45 in x 22 in x 21 in (113 cm x 55 cm x 53 cm) (H x W x D)	43 in x 22 in x 21 in (109 cm x 56 cm x 53 cm) (H x W x D)
Shipping Weight	48 lb (22 kg)	54 lb (25 kg)
Operating Range	32° to 122°F (0° to 50°C)	
New Fluid Pump	Diaphragm type, 1 gal (3.79 liter) per minute	Diaphragm type, 1 gal (3.79 liter) per minute
Used Fluid Pump	Diaphragm type, 1 gal (3.79 liter) per minute	Diaphragm type, 1 gal (3.79 liter) per minute
Hoses	3/8 in (0.95 cm) clear PVC	3/8 in (0.95 cm) clear PVC; 9.5 ft (3 m) long
Fluid Tank Capacities	1 gal (3.79 liter) clear PVC	1 gal (3.79 liter) clear PVC
Process Time	5 to 15 minutes average	10 to 15 minutes average
Fluid Types	Multiple power steering fluid capability	All gear oils including synthetic (75-90W through 85-140W)
Casters	360° swivel; locking	360° swivel; locking
Warranty	1 Year-parts & labor	1 Year-parts & labor

PSX-3 Power Steering Fluid Exchanger w/Control Wand & Cart

P/N 415-80012-00

PSX-3 Power Steering Fluid Exchanger w/Control Wand Set-Up for either ATX-2 + Boost or ATX-3 + Boost Installation, Cart Not Included

P/N 415-80015-00

DFX-1 Differential Fluid Exchanger

P/N 445-80001-00



Multi-Coolant System Fluid Exchangers

One machine meets your shop's coolant exchange needs. Coolant exchange is quicker and easier than ever with MCX Multi-Coolant System Fluid Exchangers:

- Compatible with all coolant types
- Fast service times, under 3 minutes average
- Easy-to-use technology
- Visible fluid level indicators
- Automatic pump shut-off
- Drip-proof tank connectors
- Better mobility with four (4) casters
- Simple, rapid switching from one coolant type to another



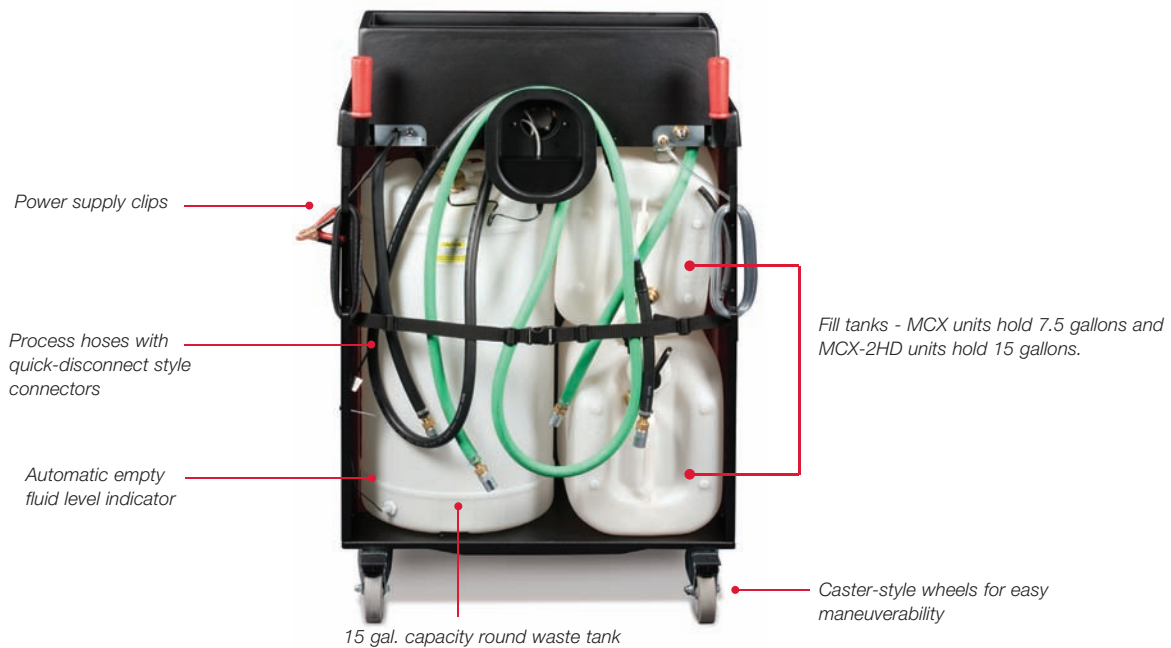
MCX-2

MCX-2 Control Panel features

Easy to read vacuum and pressure gauges



FluidPRO® Automotive Fluid Exchange Systems



MCX-2 SPECIFICATIONS

Electrical	12 VDC - 15 Amp
Dimensions	45 in x 38 in x 22.5 in (114 cm x 97 cm x 57 cm) (H x W x D)
Shipping Weight	170 lb (77 kg)
Operating Range	32° to 122°F (0° to 50°C)
Hoses	3/8 in (9.5 mm); quick connect/disconnect (brass; chrome sleeve; silicone sealed)
Step Adapters	Universal; 2 sets; 1-1/4 in to 1-3/4 in range (3.2 cm to 4.4 cm) diameter (MCX-2HD contains additional step adapters)
Adapter Hoses	Universal; 2 hoses, 1-1/4 in to 1-3/8 in (3.2 cm to 3.5 cm) and 1-1/2 in to 1-3/4 in. (3.8 cm to 4.4 cm) diameter (MCX-2HD contains additional adapter hoses)
Fill Pump	Diaphragm Type: 2 gal (7.9 liter) per minute
Drain Pump	Impeller Type: 2 gal (7.9 liter) per minute
Pressure Switch	6 to 12 psi (0.4 to 0.8 bar); protects vehicle cooling systems from high pressure
New Coolant Tank (2)	7.5 gal (28 liter); integrated output tube w/ debris filter screen and check valve; MCX-2HD contains two 15 gal (57 liter) tanks
Waste Coolant Tank	15 gal (57 liter); integrated input/output tube; w/ automatic empty fluid level sensor
Process Time	Less than 3 minutes average full exchange
Coolant Exchange	92 to 98% single pass, average exchange for most vehicles
Warranty	1 Year-parts & labor

MCX-1 Multi-Coolant Exchanger

P/N 470-80008-00

MCX-2 Multi-Coolant Exchanger Adds system pressure test feature & "hot car" radiator cap pressure release.

P/N 470-80009-00

MCX-2F Multi-Coolant Exchanger Adds flush bypass loop & flow indicator.

P/N 470-80010-00

MCX-2HD Multi-Coolant Exchanger Adds larger capacity fill tanks to MCX-2 plus larger step adapters.

P/N 470-80013-00

MCX Accessory Kit Hoses, Step Adapters, Hose Clamps, Wand

P/N 370-80019-00

MCX-HD Adapter Set All MCX Series Units; 2 in, 2-1/4 in, 2-1/2 in

P/N 370-80123-00



Vacuum Coolant Exchange Systems

The choice for rapid coolant exchange. The simple, versatile design of the FluidPRO® VCX Series means better performance in high-demand coolant exchange applications.

The VCX Series models offer:

- Extremely fast service cycles
- Simple hook-up and operation
- Flexible adaptation for most makes and models
- Superior exchange efficiency
- Robust design and construction
- Impressive visual appeal to help sell the service



VCX-1

Maximize productivity with the VCX-4



VCX-1/VCX-4 SPECIFICATIONS

Dimensions	VCX-1: 63 in x 28 in x 22.5 in (160 cm x 71 cm x 57 cm) (H x W x D) VCX-4: 63 in x 28 in x 29 in (160 cm x 71 cm x 74 cm) (H x W x D)
Shipping Weight	VCX-1: 166 lb (75 kg) / VCX-4: 200 lb (91 kg)
Power Source	Shop air, 55 to 110 psi (3.8 to 7.6 bar)
Controls	Ball valves w/ color-match system
Pump	Venturi vacuum generator; 28 InHg (0.95 bar) maximum
Process Time	5 to 15 minutes average
Coolant Cylinders	20 quart (18.9 liter) each
Fluid Types	Any coolant type (Fast easy changeover)
Hoses	Clear, wire reinforced 10 ft (3 m)
Adapter Set	2 Cone plugs; 8 in (20 cm) hose adapter
Warranty	1 Year-parts & labor

VCX-1 Vacuum Coolant Exchanger Two Cylinder, (1) Waste, (1) New

P/N 470-80019-00

VCX-4 Vacuum Coolant Exchanger Four Cylinder (1) Waste, (3) New

P/N 470-80020-00



Brake Fluid Exchange System

Fast, simple and profitable brake fluid exchange service from RTI:

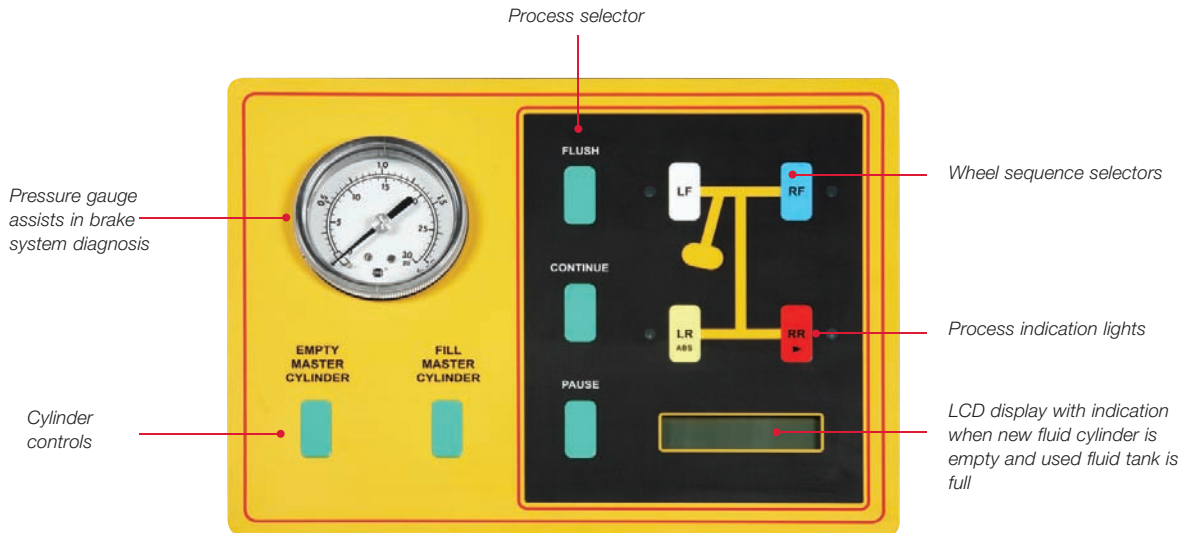
- Automated push/pull process for complete brake fluid exchange
- Three-step process takes less than 10 minutes
- Easy hook-up
- Includes pistol wand for convenient & accurate fill
- Compatible with both ABS & non-ABS systems
- Rugged cabinet construction and coating resist corrosion
- Universal adapters for a variety of master cylinders is included

The BFX-2 Brake Fluid Exchange System comes with a variety of universal adapters designed to fit the master cylinders of many makes and models of vehicles. Additional adapters are also available; see page 36 for details, or visit our website for a full listing.



TechALERT
COMPATIBLE

Superior features for superior brake fluid exchange service



BFX-2 SPECIFICATIONS

Electrical	12 VDC - 10 Amp
Pumps	Vacuum pump: diaphragm 1.6 gal (6 liter) per minute Fill pump: diaphragm 1.4 gal (5.3 liter) per minute
Fluid Tank Capacities	5 gal (19 liter) Used, 1 gal (3.8 liter) New
Fluid Types	DOT 3 & DOT 4 brake fluid
Drain Hose	Black EPDM 1/4 in (0.6 cm), 12 ft (3.7 m) long
Vacuum Hoses	Black EPDM 3/16 in (0.5 cm) with 90° rubber connectors 20 ft (6 m) rear (Qty: 2) and 12 ft (3.7 m) front (Qty: 2)
Fill Hose	Black EPDM 1/4 in (0.6 cm), 12 ft (3.7 m) long
Adapter Set	Contains universal adapters for master cylinders
Dimensions	49 in x 20 in x 22 in 125 cm x 41 cm x 56 cm (H x W x D)
Shipping Weight	194 lb (88 kg) with adapters
Warranty	1 Year-parts & labor

BFX-2 Brake Flush System

P/N 425-80005-00

BFX Complete Adapter Kit

P/N 325-80001-00

Meet growing demand for diesel engine service

The professionals' choice for superior diesel cleaning service.

The DCS-1 provides a more effective method of diesel fuel system cleaning than most conventional processes. Plus it features:

- Precise fluid and air management
- Shortened operational cycle
- Quick disconnect fittings
- Compact, impact-resistant cabinet
- Low fluid warning prevents accidental starvation



DCS-1 SPECIFICATIONS

Cleaning fluid capacity	1 qt, 8 oz (1.0 liter)
Hoses	Includes two (2) 9 ft color coded supply and return hoses; one (1) fuel tank bypass hose
Pressure Source	Compressed air or Nitrogen
Inlet Pressure Range	0 psi to 50 psi maximum
Pressure Control	0 psi to 50 psi manual regulator
Electrical Power Source	3.0 VDC, requires two (2) AA batteries for power; batteries included
Alarm type	Red light indicator, audible buzzer
Dimensions	19 in x 13 in x 5 in (48 cm x 33 cm x 13 cm) (H x W x D)
Shipping Weight	23 lbs. (10 kg)
Cabinet	Impact and corrosion resistant composite
Compatible cleaning fluids	Diesel fuel system cleaner
Adapters/Fittings	Domestic/Import automobile basic adapter kit included.
Warranty	1 Year-parts & labor

DCS-1 Diesel Cleaning System

P/N 410-80002-00



ELF-3 Multi-Function Leak Detector



Quickly finds leaks in EVAP, intake/induction, other vacuum systems, exhaust, wind/water and many others. The smoke vapor also deposits a fluorescent dye at the exact location of a leak, making hidden leaks easy to find.

Comes with a full set of accessories: storage case, built-in flow meter, pressure/vacuum-decay gauge, control valve with test and variable smoke flow control functions. Can be used with shop air.

ELF-3 SPECIFICATIONS

Dimensions 13 in x 13 in x 12 in (H x W x D)

Weight 19 lbs. (8.6 kg)

ELF-3 Multi-Function Leak Detector

P/N 475-80002-00

VFT-1 Vehicle Fluid Tester

Test multiple fluids in seconds: battery fluid, brake fluid, windshield washer fluid, diesel exhaust fluids and coolant fluids. Two drops of liquid are all that is needed to conduct multiple fluid tests in seconds for battery fluids, brake fluid, diesel exhaust fluids

(UREA and DEF) and coolant system fluids in Celsius and Fahrenheit scales. The tester is temperature compensated for accurate reading.



Vehicle Fluid Tester

P/N 026-80646-00

EV-1 Exhaust Ventilation System

Provides a safer and more professional shop environment with:

- Highly portable, practical design
- Simple operation
- 110V ¾ HP motor for high-flow positive pressure ventilation



EV-1 SPECIFICATIONS

Dimensions 40 in x 22 in x 22 in (102 cm x 56 cm x 56 cm) (H x W x D)

Total Weight 73 lb (33 kg)

Motor 110 VAC (0.75 HP)

Hose 40 ft (12 m) long; 5 in (12.7 cm) diameter

Flow Capacity 270 CFM (460 CMH)

Electrical Outlet Minimum 6 Amp

A-Weighted Surface Noise Rating Corrected LpA = 73 dB (A)

Working Temperature 23° to 120°F (-5° to 49°C)

Fuses Qty (2); 16 Amp time delayed; 0.39 in x 1.49 in (10 mm x 38 mm)

Warranty 1 Year-parts & labor

EV-1 Exhaust Ventilation System

P/N 435-80001-00

Dual Exhaust Kit Includes (2) 5.5' length hoses **P/N 335-80001-00**

BT-1 Battery Tester

For testing 6V and 12V vehicle batteries individually and in battery packs. Also for testing 6V, 12V, 24V and 36V charging and starter systems. The wireless micro LCD features both a radio and an IR wireless printer output for remote printout of the test results.



BT-1 Battery Tester

P/N 026-80638-00

Transmission Accessories



ATX-2 Bypass Adapter Hose The Bypass Adapter Hose is used to connect the cooler lines together while moving the vehicle. **P/N 300-80052-00**

ATX Adapter Ford 6R transmission (only used with an ATX-3) **P/N 300-80126-00**

1 ATX Flush Canister, In-Line, 14 oz. Use this in-line, 14 ounce canister when flushing a sealed transmission. Attaches in-line between the vehicle and machine. **P/N 300-80061-00**

2 ATX Adapter #93 Ford F250 & F350(2005+) vehicle **P/N 000-80082-00**

3 ATX Adapter #95 GM Saturn Ion 2.2 Liter (2003+) vehicle **P/N 000-80080-00**











4 ATX Adapter #96 GM Saturn Ion 2.2 Liter (2003+) vehicle **P/N 000-80081-00**

5 ATX Adapter #47C Saab 93 Sport, 2003-2008 **P/N 000-80085-00**

6 Quick Disconnect Tool Set (Four sizes included: 3/8 in., 1/2 in., 5/8 in., 7/8 in.), Unique stainless steel design tool makes quick work of those Jiffy-Tite fittings. Eliminates the need to remove the spring clip. **P/N 026-80361-00**

Domestic and Miscellaneous Transmission Adapters









GENERAL MOTORS (SILVER)

J P/N 000-80031-00		J1 P/N 000-80032-00
K P/N 000-80033-00		K1 P/N 000-80034-00
2A P/N 000-80035-00		
29 P/N 000-80071-00		30 P/N 000-80072-00
23 P/N 000-80061-00		24 P/N 000-80062-00
21 P/N 000-80063-00		22 P/N 000-80064-00
25 P/N 000-80065-00		
20 P/N 000-80073-00		
26 P/N 000-80075-00		
27 P/N 000-80059-00		28 P/N 000-80060-00






FORD (GOLD)

A P/N 000-80001-00		A1 P/N 000-80002-00
B P/N 000-80003-00		B1 P/N 000-80004-00
C P/N 000-80005-00		C1 P/N 000-80006-00
D P/N 000-80007-00		D1 P/N 000-80008-00
E P/N 000-80009-00		E1 P/N 000-80010-00
G P/N 000-80011-00		G1 P/N 000-80012-00
1 P/N 000-80000-00		
9 P/N 000-80070-00		
97 P/N 000-80078-00		98 P/N 000-80079-00
PushLoc P/N 000-80074-00		

CHRYSLER (GRAY)

H P/N 000-80013-00		H1 P/N 000-80014-00
I P/N 000-80015-00		I1 P/N 000-80016-00
F P/N 000-80017-00		F1 P/N 000-80018-00
V P/N 000-80019-00		V1 P/N 000-80020-00
CA P/N 000-80052-00		CA1 P/N 000-80053-00
61 P/N 000-80054-00		62 P/N 000-80055-00
3 P/N 000-80021-00		
4 P/N 000-80022-00		

MISCELLANEOUS

Adapter Hoses		
	90°	P/N 300-80015-00
	Straight	P/N 300-80014-00
	1/4 in.	P/N 000-80037-00
	5/16	P/N 000-80038-00
	3/8 in. (Qty 2)	P/N 000-80039-00
	1/2 in.	P/N 000-80040-00
Clamp		
	8 - 12 mm	P/N 000-80041-00
	10 - 16 mm	P/N 000-80042-00
	16 - 25 mm	P/N 000-80043-00
PushLoc		
	3/8 in.	P/N 000-80046-00
	5/16 in.	P/N 000-80045-00

European & Asian Transmission Adapters

The European adapters are part of the **Optional Extended Adapter Kit (P/N 300-80049-00)**, and are not included in Adapter Set shipped with the ATX. All adapters can also be purchased individually.

For a current list of applications, standard and optional adapters, visit our web site (www.rtech.com) or contact your RTI distributor.

EUROPEAN (BLACK)

L P/N 000-80023-00		L1 P/N 000-80024-00
M P/N 000-80025-00		M1 P/N 000-80026-00
N P/N 000-80027-00		N1 P/N 000-80028-00
AV P/N 000-80029-00		AV1 P/N 000-80030-00
99 P/N 000-80047-00		
VO P/N 000-80049-00		(Requires 2)
35 P/N 000-80051-00		(Requires 2)
31A P/N 000-80050-00		
37 P/N 000-80056-00		
38 P/N 000-80066-00		39 P/N 000-80067-00
40 P/N 000-80068-00		41 P/N 000-80069-00
43 P/N 000-80076-00		44 P/N 000-80077-00

ASIAN & OTHER TYPES OF VEHICLES

8 P/N 000-80036-00		(Requires 2)
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Brake Exchange



1	Master Cylinder Adapters – BA01 Chrysler and Others Three tab, twist on with expandable O-ring fits most Chrysler models. 2001+ PT Cruiser, 2002+ Grand Voyager, 1996+ Voyager LE, 1994+ Voyager SE / Dodge: Power Ram, Caravan, 2003+ Viper, 2001 Neon / Jeep: 1996+ Wrangler, 1996+ Grand Cherokee, 1999+ Wrangler Sport and others.	P/N 025-88001-00
2	Master Cylinder Adapters – BA02 Ford Two tab, twist on with expandable O-ring fits all Ford models with a two tab plastic twist on cap.	P/N 025-88002-00
3	Master Cylinder Adapters – BA03 Ford and Others Three tab plastic twist cap. Chrysler: New Yorker, 1999-2002 Crossfire, 1999+ 300 M, 1999+ Grand Voyager, 2001+ Sebring / Dodge: 2001 Neon, 1999+ Stratus / Jeep Cherokee / 1995 Hyundai, 1995+ Sonata, 1995+ Accent, 2001+ Elantra / Mazda 1999+ MPV, 1995+ 121Mitsubishi, 2003 Lancer, Outlander, 1999+ Wagons / Nissan: 1995+ 100SX, 200SX, 1995+ Maxima, Subaru.	P/N 025-88003-00
4	Master Cylinder Adapters – BA04 GM Three tab plastic twist cap. Cadillac, 1996+ Northstar, Eldorado, Seville SLE, STS, 2001+ CTS, 2003+ SRX, XLR / Chevrolet: 1996+ Corvette, 1999+ Blazer, Camaro, 1999+ Transport, 2003+ Tahoe / Mazda: 2001+ MPV, 2001+ Tribute / Pontiac: Firebird all models, Transport.	P/N 025-88004-00
5	Master Cylinder Adapters – BA05 European Vehicles with the threaded master cylinder reservoir. Chrysler: 2003+ Crossfire / Ford: 1995 Cougar, Escort, Focus, Probe, Galaxy, Festiva / Suzuki / Samarai / Toyota: 2003 Corolla.	P/N 025-88005-00
6	Master Cylinder Adapters – BA07 Universal All vehicles with a round master cylinder.	P/N 025-88006-00
7	Master Cylinder Adapters – BA08 Honda, Acura reservoirs with round opening. Honda: 1992+ Prelude, 1991+ Legend, All Civics / Isuzu: 1989+ Trooper, 1989+ Monterey, 1989+ Frontera.	P/N 025-88007-00
8	Master Cylinder Adapters – BA09 Honda reservoirs with round opening. Honda: 1985+ Accord, 1991 Prelude, 1999 + NSX-T.	P/N 025-88008-00
9	Master Cylinder Adapters – BA010 Toyota reservoirs with small round opening.	P/N 025-88009-00
10	Master Cylinder Adapters – BA011 Toyota reservoirs with large round opening.	P/N 025-88010-00
11	Master Cylinder Adapters – BA013 Nissan Ultima and Xterra	P/N 025-88014-00
12	Master Cylinder Adapters – BA014 GM and Chrysler Hydraulic Clutch Flushing Adapter Kit	P/N 025-88012-00
13	Hydraulic Clutch Flushing Adapter Kit Add this kit to your BFX-2 Brake Fluid Exchanger to add clutch flushing service.	P/N 025-88013-00
14	Complete BFX Adapter Kit	P/N 325-80001-00
15	“Brake-A-Sure” Brake Fluid Test Strips These handy test strips will help you sell more brake fluid flush services. Now you can use the FASCAR® rating system for a quick visual inspection to determine the contamination level of brake fluid. Each test strip will test the virtual age of brake fluid. 100 test strips per tube.	P/N 026-80354-00

Diesel Cleaning



1 Accelerator Pedal Depressor Tool	P/N 026-80434-00
Heavy-duty Truck Adapter Kit	P/N 310-80045-00
Hose Assembly	
	1/4 in., ID 9 ft. long, Black P/N 310-80041-00
	1/4 in., ID 9 ft., Red P/N 310-80042-00
	1/4 in., ID 18 in., Red P/N 310-80043-00

Coolant



1 Fill Tank, 7.5 gal. Two (2) 7.5 gallon tanks are included with most MCX series coolant machines. Complete with all the fittings, pick-up tube, filter and check valve.	P/N 370-80007-01
Fill Tank, 15 gal. This 15 gallon tank is included with all MCX-2HD models. Comes complete with all fittings, pick-up tube, filter and check valve.	P/N 370-80184-00
Waste Tank, 15 gal. This 15 gallon tank is included with MCX series coolant machines. It is complete with fittings and auto shut-off float switch.	P/N 370-80204-00
2 Coolant Dye, 1 oz. These super bright dyes will make your leak detection fast and easy. Use your ultraviolet light to locate the leak.	P/N 011-80032-00
3 MCX Accessory Kit This kit comes with MCX series machines.	P/N 370-80019-00
4 MCX Adapter Pressurized Reservoir Adapter For Saturn	P/N 370-80173-00
5 MCX Caster Kit This kit can easily be mounted on older model MCX units to provide easier mobility through shop doors.	P/N 370-80124-00
6 Pinch-Off Pliers	
	8 in. P/N 070-80046-00
	10 in. P/N 070-80047-00
	12 in. P/N 070-80048-00

Bay Banners and Dust Covers

Bay Banners are deluxe 60 in. x 24 in. poly-reinforced vinyl, rope, grommets, and wind slits.



Antifreeze/Coolant "Don't Lose Your Cool"	P/N 035-80968-00
Automatic Transmission "Avoid Breakdowns"	P/N 035-80969-00
Power Steering "Steer Clear of Trouble"	P/N 035-80973-00
Differential Flush Service "Protect Your Investment"	P/N 035-81146-00
Brake Flush Service "So You Can Stop On A Dime"	P/N 035-81087-00
Dust Cover, Small Made from deluxe reinforced fabric, red with the RTI logo. For RTI models RHS®780, RRC770, RHS®730, TC670, ATX-2, ESX-2, OSX-2 and PSX-2 units.	P/N 026-80086-00
Dust Cover, Large Made from deluxe reinforced fabric. For RTI models AC800, AC2860, RHS®2680, TC2770, and MCX units.	P/N 026-80108-00





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