



**YELLOW  
JACKET®**

## CORPORATE OFFICE

**ADDRESS:**

10950 Hampshire Avenue South  
Bloomington, MN 55438 U.S.A.

**PHONE:**

800.769.8370  
-----  
952.943.1333

**LEARN MORE AT:  
YELLOWJACKET.COM**

**FAX:**

800.322.8684  
-----  
952.943.1605

**FEATURED PRODUCTS**

©2014 Ritchie Engineering Company, Inc. P/N 10042 10/14

[YELLOWJACKET.COM](http://YELLOWJACKET.COM)

**FEATURED PRODUCTS**

**EST. 1949**



# **YELLOW JACKET®**

## **HVAC&R SERVICE TOOLS**



# TOOLS MADE IN AMERICA FOR GUYS WHO MAKE AMERICA COMFORTABLE.


It all started with the need for a charging hose that you could count on. Every time. That was 66 years ago. Today, YELLOW JACKET® is stronger than ever, manufacturing a complete range of HVAC tools right here in the good old U.S.A. that are as rugged, accurate, and reliable as the hard-working service techs who use them. All of our tools have one thing in common: they won't let you down. That's why the very best techs ask for YELLOW JACKET® by name.

FEATURED PRODUCTS



## YJ-LTE™ REFRIGERANT RECOVERY SYSTEM

Don't let the small size fool you. The YJ-LTE™ Refrigerant Recovery System is packed with the features you need at a price your budget can handle. Like a built-in purge circuit which eliminates the need for external equipment and makes for easy refrigerant clearing at the end of the job. And superior condenser performance which means the recovery tank stays cooler for a longer period of time, allowing you to recover more refrigerant without high-pressure cut-out. And it's simple to operate, too, with a single valve, single gauge control panel.

- 1/2 hp, twin cylinder, oil-less compressor for fast recovery of Class III, IV and V refrigerants including R-410A
- Sealed compressor crankcase to minimize refrigerant loss over the life of the compressor
- Quiet running compressor performance
- Cup-style piston seals for better performance under high pressure differentials
- Built-in Circuit Breaker
  - Prevents tripping of building circuit breakers
- Direct Drive Fan
  - No gears, fewer parts, more reliable air flow
  - No overheating and melting parts
  - Cools the condenser first to help keep the recovery tank pressure lower
- Lightweight at 24 pounds
- Largest displacement among lightweight recovery machines - 11.5 cc (.7 C.I.)
- One-year warranty
- Designed and assembled in the U.S.A. 

### SUPERIOR CONDENSER DESIGN AND PERFORMANCE

- Keeps tank up to 10° cooler
- Recover more refrigerant without high-pressure cut-out
- Allows gravity flow of recovered liquid to recovery tank

### 2-1/2" LIQUID-FILLED CONDENSER PRESSURE GAUGE

- Easy-to-read and durable
- 0-40 bar; 0-600 psi helps you monitor recovery

### BUILT-IN PURGE CIRCUIT

- Easy refrigerant clearing at the end of each job
- No extra tanks or vacuum pumps required
- Simple to use - move the hose and turn the selector button

### SINGLE VALVE-SINGLE GAUGE CONTROL PANEL


- Simple operation
- Position for either recovery or purge



UPC#	DESCRIPTION
95730	YJ-LTE™ Refrigerant Recovery System
95733	YJ-LTE 230V/50Hz (Euro and UK plug)
95560	1/4" MxF Filter Fitting

## RECOVER XLT REFRIGERANT RECOVERY SYSTEM

Fully automatic operation for fast recovery of Class III, IV and V refrigerants including R-410A, backed by the best warranty in the industry. For vapor, liquid, or push pull recovery.

- Built-in Constant Pressure Regulator (CPR) Valve regulates the refrigerant input to protect the compressor and eliminating the need to throttle the suction valve
- Advanced 1/2 hp, 3425 rpm oil-less compressor with precision valves manufactured in an ISO-9001 facility
- Quiet running with components nested to reduce vibration and noise. Oil-less compressor is inherently quiet
- Senses back pressure from tank and shuts off automatically at 517 psi for safety
- Reusable mesh particulate filter inserts into suction port for protection. Simple cleaning eliminates replacement due to clogging
- High efficiency fan keeps air moving across condenser for cool running even in hot weather
- Single high pressure safety switch-external circuit breaker
- Includes three-year compressor warranty on domestic models (one year on international models)
- Made in the U.S.A. 
- Tested by UL to ARI 740-98 (ARI 740-95 for 95700 and 95765)



### PATENTED SINGLE VALVE CONTROL

Easy changeover from liquid to vapor to purge

### AUTO PURGE

Clears residual refrigerant for quick change from one refrigerant to another to help prevent cross-contamination

### FULLY AUTOMATIC

No "throttling" required

### AUTOMATIC SHUT-OFF

- Stops at 13" of vacuum and automatically restarts if pressure rises
- Indicator signals "Recovery Complete"

UPC#	DESCRIPTION
95760	RecoverXLT 115V/60 Hz
95762	RecoverXLT with tank overflow switch 115V/60 Hz
95763	RecoverXLT 230V/50 Hz (Euro and UK plug)

### YJ QUICK TIP:

Purging cleans the recovery unit of refrigerant, reducing the risk of cross contamination and prolonging the life of your tools. Remember to purge your recovery unit after each job.



## BULLET™ 3, 5 AND 7 CFM VACUUM PUMP

The YELLOW JACKET® BULLET™ vacuum pump is a highly efficient two-stage rotary vane oil-sealed 3, 5 and 7 cfm pump that pulls down to 25 microns or better.

- Internal intake check valve prevents oil backup into the system during a power failure
- Intake filter screen keeps damaging particles from entering the pump
- Heavy-duty rotors and bearings
- Tethered port caps stay with the pump
- 24-month warranty
- Made in U.S.A. 🇺🇸



### YJ QUICK TIP:

Use the shortest hose possible to get maximum evacuation speed. Long hoses will slow the process. Also use the largest diameter hose. If your pump has a 1/4" fitting, look for a 3/8" fitting and use a 3/8" hose to speed the process even further.

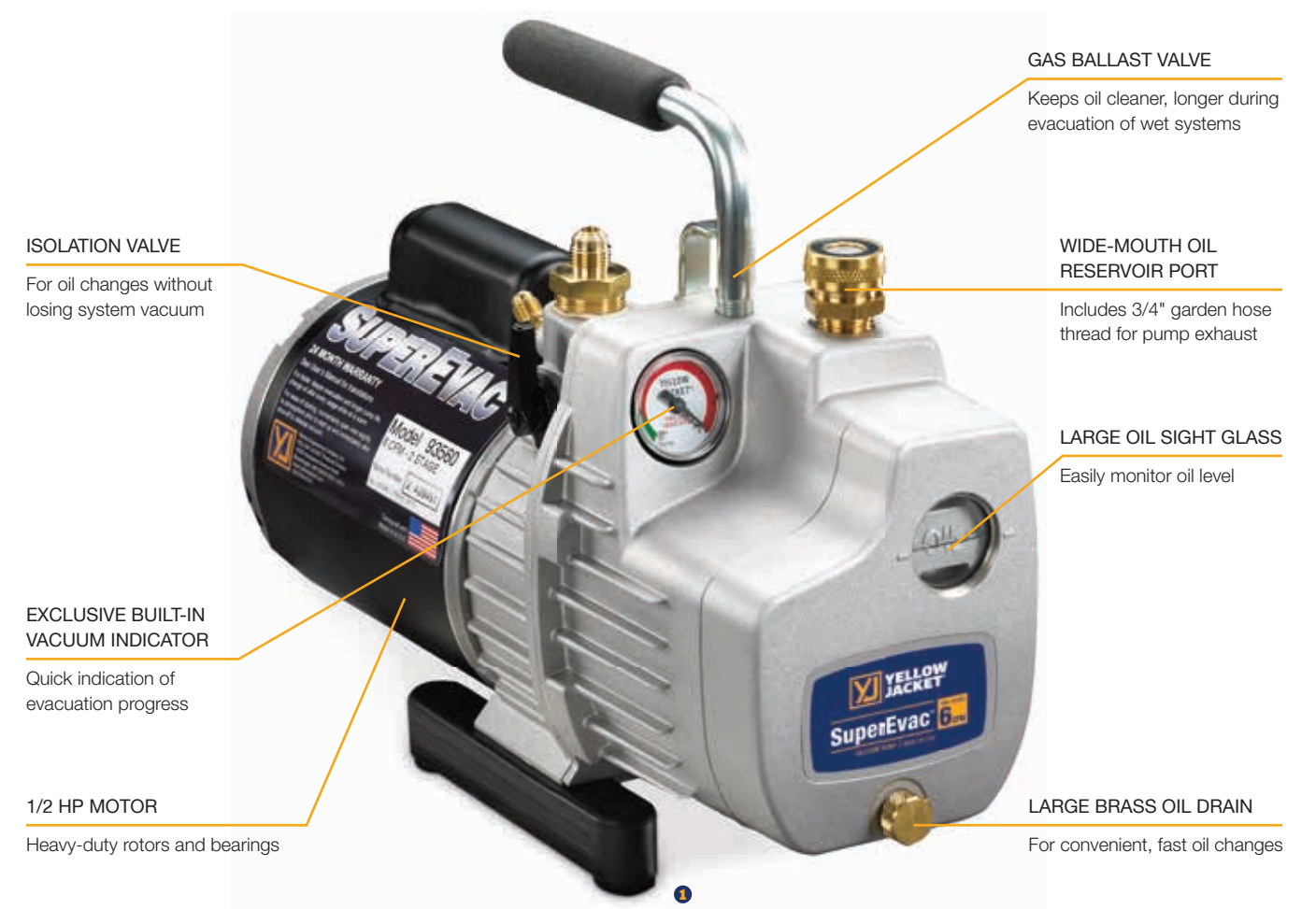


UPC#	DESCRIPTION
93600	7 cfm 115V/60 Hz single phase
93605	5 cfm 115V/60 Hz single phase
93603	3 cfm 115V/60 Hz single phase

## SUPEREVAC™ 4, 6, 8, AND 11 CFM VACUUM PUMPS

The SuperEvac™ vacuum pump is a highly efficient, two-stage rotary vane oil-sealed pump field-rated at 15 microns or better. The lower the micron rating, the better the pump performance.

- Internal intake check valve prevents oil backup into the system during a power failure
- Intake filter screen keeps damaging particles from entering the pump
- Heavy-duty steel handle with lifting hook
- Heavy-duty rotors and bearings
- Metal base with rubber overlay
- Tethered port caps stay with the pump
- 24-month warranty
- Made in the U.S.A. 🇺🇸



UPC#	DESCRIPTION
93540	4 cfm; 115V, 60 Hz single phase
93560	6 cfm; 115V, 60 Hz single phase
93563	Euro plug CE; 142 L/M at 50 Hz; 230V, 50 Hz
93580	8 cfm; 115V, 60 Hz single phase
93583	Euro plug CE; 190 L/M at 50 Hz; 230V, 50 Hz
93590	11 cfm; 115V, 60 Hz single phase

# VACUUM PUMP SYSTEMS

## VACUUM PUMP OIL

YELLOW JACKET® vacuum pump oil is specially refined and formulated for extremely low vapor pressure and high pump efficiency at all temperature conditions. This means that with proper maintenance you can get a continued return on your pump investment.

- Made in the U.S.A. 


UPC#	DESCRIPTION
93091	Pint of vacuum oil - 24 per case
1 93092	Quart of vacuum oil - 12 per case
2 93096	Gallon of vacuum oil - 6 per case



## SUPEREVAC™ EVACUATION MANIFOLDS

SuperEvac™ manifolds are engineered as system components for the SuperEvac™ pumps to help decrease vacuum time by over 50% and improve micron readings.





- Mounts with 1/2" Female flare quick coupler and provides easy connections for two 3/8" vacuum hoses
- Non-restricting, full flow valves for fast vacuum
- Flutterless™ gauge
- Convenient 1/4 turn full flow
- Extra port for electronic gauge
- Includes step-down adapter to connect to 3/8" pump intake
- Made in the U.S.A. 

UPC#	DESCRIPTION
93850	Single valve with 1/4" Schrader mount with 1/2" Female flare

# VACUUM & CHARGING HOSES

## 1/4" PLUS II™ with SealRight™ low loss anti-blow back fitting

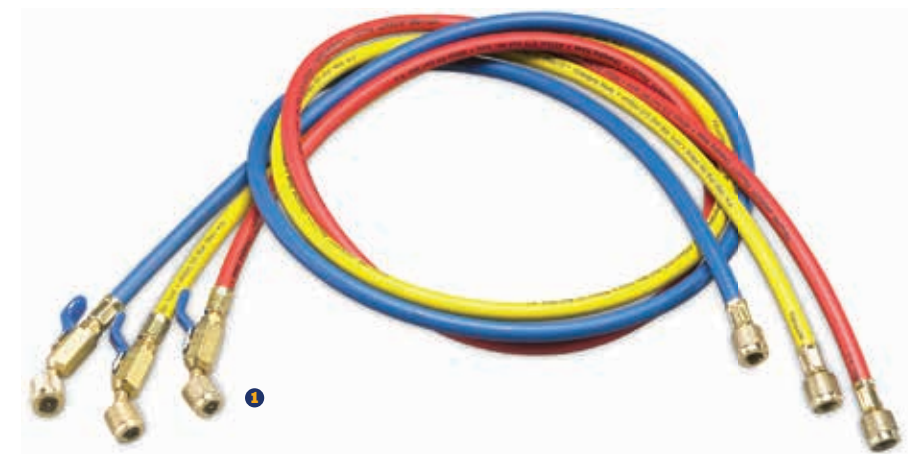
Low loss anti-blow back SealRight™ fitting immediately traps refrigerant in the hose when disconnected, helping meet non-venting regulations and prevent finger burns.

- 45° end for easy installation in tight areas
- Gaskets resist deterioration from existing CFC, HCFC and HFC refrigerants and oils
- Available with SealRight™ fittings on both ends
- UL recognized assemblies (File SA9737) (Valves SA10088) 
- Rated for 4000 psi (276 bar) minimum burst and 800 psi (55 bar) maximum working pressure and an operating temperature of -20° to 180°F (-28.8° to 82.2°C)
- Minimum bending radius: 6" (152mm)
- Made in the U.S.A. 





LENGTH	YELLOW	BLUE	RED	3 PAK
1 60"	22060	22260	22660	22985
72"	22072	22272	22672	22986
19040	SealRight™ repair kit with valve, gasket, plug, spring, and two "O" rings			
19041	Complete kit includes plug, gasket, nut, clip, and 19040 kit			

## 1/4" PLUS II™ with Compact Ball Valve End



Metal handle at end of hose fits tight areas and traps all the gas.

- Full flow valve
- Uses standard gasket and valve opener
- UL recognized assemblies (File SA9737) (Valves SA10088) 
- Recommended for R-410A
- Rated for 4000 psi (276 bar) minimum burst and 800 psi (55 bar) maximum working pressure and an operating temperature of -20° to 180°F (-28.8° to 82.2°C)
- Minimum bending radius: 6" (152mm)
- Made in the U.S.A. 

LENGTH	YELLOW	BLUE	RED	3 PAK
1 60"	29060	29260	29660	29988
72"	29072	29272	29672	29986



### YJ QUICK TIP:

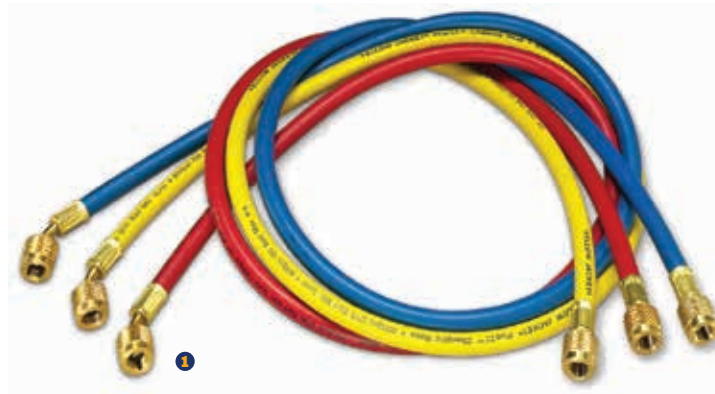
Does your fitting or hose leak when disconnected and there is pressure behind the valve? Does it leak when connected to a service fitting? Is the core depressor worn out, hard to turn, or stuck? It's probably time to rebuild the SealRight™ valve on your hose. There are a variety of SealRight™ repair kits available. Find out more from our "How to Rebuild your SealRight™ Hoses" Quick Tip video at [YELLOWJACKET.COM](http://YELLOWJACKET.COM).

# VACUUM & CHARGING HOSES

## 1/4" PLUS II™ CHARGING HOSES with double barrier protection

YELLOW JACKET® PLUS II™ hoses have double barrier protection for CFC, HCFC and HFC refrigerants.

- UL recognized assemblies (File SA9737) (Valves SA10088) 
- The nylon permeation barrier meets SAE requirements J2196 for CFC, HCFC and HFC refrigerants
- The moisture barrier provides improved resistance to moisture migration which contaminates expensive refrigerant
- Rated for 4000 psi (276 bar) minimum burst and 800 psi (55 bar) maximum working pressure and an operating temperature of -20° to 180°F (-28.8° to 82.2°C)
- Standard 1/4" flare fittings
- Minimum bending radius: 6" (152mm)
- Made in the U.S.A. 





LENGTH	YELLOW	BLUE	RED	3 PAK
1 36"	21036	21236	21636	21983
60"	21060	21260	21660	21985
72"	21072	21272	21672	21986
19020	Replacement gaskets (10 Pak)			

## 9" FLEXFLOW™ and low loss adapter hoses



Easy retrofit of existing PLUS II™ hoses with ball valve capabilities.

- Flexible hose between valve and fitting for handling in tight areas
- Operating temperature -20° to 180°F (-28.8° to 82.2°C)
- 4000 psi (276 bar) minimum burst and 800 psi (55 bar) max. working pressure
- Minimum bend radius: 8" (203 mm)
- UL recognized assemblies (File SA9737) (Valves SA10088) 
- Made in the U.S.A. 

UPC#	DESCRIPTION
25980	3-pak (1/4" yellow, blue, and red FlexFlow™ adapters)

## HIGH TEMP. PRESSURE CONTROL HOSE (for HFC, HCFC and CFC refrigerants)

- The higher temperature ratings up to 266°F eliminate the failures caused by maximum loads on rubber hoses
- Polyester braid reinforcement with high tensile strength and high modulus withstand higher pressures
- Hex nuts are steel and finished with black zinc. Copper gaskets provide the best possible seal
- 4000 psi (276 bar) minimum burst, 800 psi (55 bar) max. working pressure
- Hex style fittings with 1/4" SAE thread and copper gaskets
- Operating temperature -49° to 266°F (-44° to 130°C)
- Minimum bend radius: 4" (102mm)


UPC#	DESCRIPTION
78718	18", 1/4" Str. x 90°
78724	24", 1/4" Str. x 90°
78730	30", 1/4" Str. x 90°
78736	36", 1/4" Str. x 90°
78748	48", 1/4" Str. x 90°
59651	1/4" copper gasket (10 pak)
59652	3/8" copper gasket (10 pak)



## 1/4" PLUS II™ HEAVY-DUTY CHARGING HOSE



Heavy-duty construction for substantially increased service life.


- Flexibility for all-weather easy handling
- Pulls 75 micron vacuum or better on 3/8" hose
- 4000 psi (276 bar) minimum burst, 800 psi (55 bar) max. working pressure
- Operating temperature -22° to 176°F (-30° to 80°C)
- Minimum bending radius: 6" (152 mm)
- Made in the U.S.A. 

UPC#	DESCRIPTION
15060	60", PLUS II™ 1/4" heavy-duty straight x angle

## 3/8" PLUS II™ HEAVY-DUTY COMBINATION CHARGING/VACUUM HOSE



Pulls a vacuum much faster than the 1/4" hose.

- Operating temperature -22° to 176°F (-30° to 80°C)
- 3000 psi (207 bar) minimum burst, 600 psi (41 bar) max. working pressure
- Minimum bend radius: 8" (203 mm)
- Made in the U.S.A. 

UPC#	DESCRIPTION
15660	60", PLUS II™ 3/8" heavy-duty, 3/8" straight x 3/8" straight

## GASKET REMOVER TOOL



Easily remove worn gaskets from hoses and replace with new gaskets. Sharp, angled pick is long enough to pull the gasket from the gasket cup. Notch on the opposite end of the pick for placing the depressor inside the hose. For protection and safety, pick stores inside case along with five replacement gaskets (included).

UPC#	DESCRIPTION
19047	Gasket Remover Tool

## QUICK COUPLER GASKETS AND "O" RINGS




Quick Coupler Gaskets are designed for optimum performance with YELLOW JACKET® Charging Hoses. They work with all refrigerants. Manufactured to strict tolerances to resist blow out.

- Made in the U.S.A. 

UPC#	DESCRIPTION
19010	CH20 (6 pak) and CH14 (3 pak) for 1/4" hose opener
19011	CH11 gasket for 3/8" hose (10 pak)
19020	CH20 for 1/4" hose, 5/16" hose, and 1/2" Acme hose (10 pak)
19037	1/4" SealRight™ "O" ring (10 pak)

## QUICK COUPLERS




- Full size with deep knurling for easy handling
- CH14 "Adjust-a-Valve" opener in all 1/4" Female ends
- Acme conversion couplers are available for recovery tank threads and R-134a cylinder threads
- 5/16" Conversion couplers available
- Made in the U.S.A. 

UPC#	DESCRIPTION
19110	1/4" Female QC x 1/8" NPT Fe.
19165	1/2" Acme Female x 1/4" Male flare
19173	5/16" Female QC x 1/4" Male flare

## SEALRIGHT™ QUICK COUPLERS



SealRight™ fittings automatically and immediately trap refrigerant in the hose when disconnected, helping meet non-venting regulations and preventing finger burns. One-piece attaches quickly, saving up to 50% in time compared to 2-piece quick couplers.

- Works with or without Schrader core
- Gaskets resist deterioration from SealRight™ repair assembly components
- CFC, HCFC, HFC refrigerants and oils. Field serviceable
- Made in the U.S.A. 

UPC#	DESCRIPTION
19109	1/4" SealRight™ Str. x 1/4" Male flare
19208	1/4" SealRight™ 45° x 1/4" Male flare
19209	1/4" SealRight™ 90° x 1/4" Male flare



## 5/16" 4-IN-1 BALL VALVE TOOL (for R-410A systems with 5/16" access ports)

Similar to the 1/4" 4-in-1 core tool but with 5/16" flare fittings.

- Made in the U.S.A.

UPC#	DESCRIPTION
18985	5/16" Vacuum/charge valve with side port
18986	1/4" Male x 5/16" female vacuum/charge valve



## 1/4" COMPACT BALL VALVES

Compact ball valves feature full flow for charging and recovery.

- Metal valve handle
- UL recognized assemblies (File SA9737) (Valves SA10088)
- Made in the U.S.A.

UPC#	DESCRIPTION
93842	45° Compact ball valves (3 pak)
93843	1/4" Compact ball valve – 45°
93844	1/4" Compact ball valve – straight



## 1/4" 4-IN-1 BALL VALVE TOOL

This versatile tool for the lo- or hi- side of a system does four jobs:

- Vacuum valve. Extra 1/4" side port to attach electronic micron vacuum right at the system for greater accuracy or to add refrigerants. Working pressure of 800 psi
- Core removal access. Lets you evacuate and charge through an unrestricted line for increased speed and higher vacuum
- Core replacement
- Recovery valve. Core removal allows recovery unit to work at maximum efficiency, speeding the recovery process
- Made in the U.S.A.

UPC#	DESCRIPTION
18975	1/4" Vacuum/charge valve with side port



## LIQUID CHARGING ADAPTER

Liquid charging is recommended when charging blends into refrigeration and air conditioning systems, and a liquid charging adapter is necessary for safe and fast liquid charging through the low pressure side of a system.

- The adapter connects to the cylinder valve or refrigerant can
- To protect the compressor, adapter orifice reduces liquid flow to a level below compressor capacity
- Eliminates the time and work of heating cylinders
- Made in the U.S.A.

UPC#	DESCRIPTION
41123	1/4" Liquid charging adapter

## 125 AND 145 LB. CYLINDER VALVE ADAPTER



- Finger tight
- Seal remains seated
- Made in the U.S.A.

UPC#	DESCRIPTION
19105	3/4" NPS cylinder adapter with 1/4" Male flare

## ADJUST-A-VALVE™ OPENER

The patented "Adjust-a-Valve" reaches out-of-tolerance Schrader valves in 1/4", 3/16" and 5/16" couplers.

- Simply rotate the opener with needle nose pliers to the desired height and when finished, rotate it back
- Made in the U.S.A.



UPC#	DESCRIPTION
19302	Replacement "Adjust-a-Valve" opener (10 pak)

## ACCUPROBE UV™ LEAK DETECTOR

The ultra-sensitive sensor of the YELLOW JACKET® AccuProbe UV™ Handheld Leak Detector allows it to detect even the most difficult to detect R-134a, R-404A, R-407C, R-410A and 1234yf refrigerants. Our exclusive solid electrolyte sensor technology reduces heat and gives the sensor longer life than traditional heated anode or diode detectors.

The AccuProbe UV™ features low, normal and high sensitivity levels with visual and audible signals, and a 3 LED UV light system that works with 395-415nm wavelength leak tracing dyes. The audible alert, which can also be muted, and the flashing visual alarm indicator at the probe end increase in frequency and duration as concentration increases.

The AccuProbe UV™ is equipped with the advanced digital SmartAlarm LED display. This feature takes the guesswork out of whether or not to repair a small leak. Unlike the more traditional LED bar graphs that copy or mimic the audio alarm signal, the SmartAlarm digital leak size indicator measures, registers and displays the leak size independently from both the audio alarm and sensitivity level on a scale of one to nine:

- 1 to 3 – less than 0.1 oz./yr.
- 4 to 6 – 0.1 to 0.5 oz./yr.
- 7 to 9 – more than 0.5 oz./yr.

- Improved, robust, ergonomic design is easy to use in close areas and extendable into hard-to-reach areas
- Long life, stable sensor
- Instantaneous response time
- Clears in 12 seconds or less after exposure to a 1.75 oz (50 g)/year leak
- Automatic calibration and reset to environment
- Low battery indicator
- Microcontroller technology
- SAE J2791 Certified, CE Marked, EN 14624

- 24-month limited warranty
- Made in the U.S.A.



UPC#	DESCRIPTION
69336	AccuProbe UV™
69354	AccuProbe II™

### YJ QUICK TIP

The YELLOW JACKET® AccuProbe™ UV Leak Detector is super sensitive to detect a broad range of HCFC, HFC, and HFO refrigerants.



## CO2 LEAK DETECTOR

The YELLOW JACKET® Carbon Dioxide Gas Leak Detector is the most technologically advanced of its kind. The patented infrared sensor will make false alarms a thing of the past when finding even the smallest leaks in R744 systems and CO2 specific applications.

Whether servicing commercial refrigeration systems, finding a leak in a restaurant soda machine, or pinpointing a minute leak in a room filled with CO2 at a bulk CO2 manufacturing facility, this detector stands alone when it comes to ease of use, quality of response, and high sensitivity levels with no false alarms.

- Lightweight, ergonomic design, simple one button operation
- Two sensitivity modes, enabling quick and easy location of large and small leaks
- Sturdy blow-molded carrying case
- Both visual and audible leak detection signal
- Long Battery Life - 4 AA batteries provide 20 hours of operation

- Low battery indicator
- Automatic power-off to conserve battery life
- 24-month limited warranty
- Made in the U.S.A.



UPC#	DESCRIPTION
69396	CO2 Leak Detector

## MANTOOTH™ WIRELESS DIGITAL P/T GAUGE



- Wireless connection to your smart device (iPhone, iPad and Android compatible)
- Test system without losing refrigerant (no hoses and manifolds necessary)
- Built-in Schrader ports to easily adjust refrigerant charge
- Range up to 400'
- YELLOW JACKET® ManTooth™ app (free download)
- Simplify and automate measurements while saving time and reducing costs
- Wirelessly calculates and displays the system's actual pressures, temperatures, superheat and subcooling in an easy-to-read color format on your smart phone device

- Share screenshots via e-mail right from your phone
- Easily track and store service history
- Rechargeable lithium polymer battery with 10 hours battery life
- Two-year warranty • Designed and assembled in the U.S.A. 🇺🇸

UPC#	DESCRIPTION
1 67001	ManTooth™ Single Pressure Gauge (includes P/T Module with boot, temperature probe clamp, and USB cable)
2 67002	ManTooth™ Dual Pressure Gauge Set (includes P/T Module and tether unit with boots, two temperature probe clamps, a USB cable and case)
67014	Replacement case

## MINI REFRIGERATION SYSTEM ANALYZER (Mini RSA)

The YELLOW JACKET® Mini Refrigeration System Analyzer (Mini RSA) brings digital capabilities to your existing analog brass manifold at an economical price. It monitors one pressure and one live temperature then displays automatic superheat and subcool calculations for nearly 100 refrigerants. No other digital manifold offers these features for one low price.

- Nearly 100 NIST refrigerant profiles included (upgradeable via USB for new refrigerants)
- Automatic superheat and subcooling calculations
- Displays bubble, saturated and dewpoint temperatures
- Easy-to-read graphic display with backlight
- Internal single brass manifold
- Refrigerants "favorites" set up
- Elevation may be entered manually for accurate, automatic pressure compensation

- Includes bead probe
- Two-year warranty
- Designed and assembled in the U.S.A. 🇺🇸

UPC#	DESCRIPTION
40852	Mini Refrigeration System Analyzer

### YJ QUICK TIP:

Digital gauges provide reliable, high accuracy readings and are built for durability and repeated reliability. Because they have fewer moving parts than dial gauges, digital gauges are not as prone to over pressure and vibration so they don't require recalibration as often as dial gauges.



## BRUTE II™ 4-VALVE TEST AND CHARGING MANIFOLD (°F and °C)

BRUTE II™ 4-Valve Test and Charging Manifold provides the flow that's proven faster than any conventional manifold. The aluminum alloy body is forged for strength and reliability with 3/8" bores through the body to speed the job.

- Fourth hose enables connection to hi-/lo-sides, refrigerant tank and recovery unit or vacuum pump for diagnostics, evacuation and charging without switching hoses
- Available in 1/4" hi-/lo-sides with 3/8" vacuum port for regular jobs, or 3/8" hi-/lo-sides with 1/2" vacuum port for larger systems
- Front access for easy field recalibration
- Double "O" ring piston for reliability and long service life
- Exclusive 100-mesh filter in-line on all flare fittings helps keep out particulate material and extend the life of the seat
- Contoured easy-grip handles for positive control; color-coded for ready identification
- Sight glass to easily view refrigerant movement and condition during charging and recovery
- Manifold and hose holder fittings 1/4"-3/8"-1/4"-1/4"
- Made in the U.S.A. 🇺🇸



UPC#	DESCRIPTION
46003	With 60" PLUS II™ compact ball valve RYB and 3/8" x 45°, R/B gauges, bar/psi, R-410A, °F
1 46013	With 60" PLUS II™ compact ball valve RYB and 3/8" x 45°, R/B gauges, psi, R-22/404A/410A, °F
41083	BRUTE II™ Rebuild Kit

## TITAN™ 4-VALVE TEST AND CHARGING MANIFOLD (°F and °C)

Forged aluminum alloy body makes this unit lightweight for handling ease with the durability and reliability required for repeated use.

- Fourth hose to enable connection to hi-/lo-sides, refrigerant tank and recovery unit or vacuum pump for diagnostics, evacuation and charging without switching hoses
- 3/8" Vacuum port for use with larger hose to cut evacuation time by up to 33% (all other fittings are 1/4")
- Large, easy-to-read 3-1/8" (90 mm) steel case red and blue, 1% accuracy (Class 1) gauges
- Front access for easy field recalibration
- Double "O" ring piston for reliability and long service life
- Exclusive 100 mesh filter in-line on all flare fittings helps keep out particulate material and extend the life of the seats
- Contoured easy-grip handles for positive control; color-coded for ready identification
- Sight glass to easily view refrigerant movement and condition during charging and recovery
- Optional protective gauge boots available
- Heavy-duty hook won't pull out
- Manifold and hose holder fittings 1/4"-3/8"-1/4"-1/4"
- Made in the U.S.A. 🇺🇸



UPC#	DESCRIPTION
49963	Manifold only, R/B gauges, psi, R-22/404A/410A - °F
1 49967	With 60" PLUS II™ RYB and 3/8" x 45°, R/B gauges, psi, R-22/404A/410A - °F
49987	With 60" PLUS II™ RYB and 3/8" x 45°, R/B gauges, psi, R-22/134a/404A - °F
49998	With 60" PLUS II™ RYB and Y ball valve hose, R/B gauges, psi, R-22/134a/404A/410A
41081	TITAN™ 2-Valve Rebuild Kit
41082	TITAN™ 4-Valve Rebuild Kit
41133	1/4" Valve Piston



## SERIES 41 MANIFOLDS with 3-1/8" gauges



Larger, easier to read 3-1/8" color-coded gauges in rugged steel cases with polycarbonate crystals. These gauges feature 1% accuracy (Class 1) for an exact reading in critical charge systems.

- Sliding double "O" ring pistons reduce wear
- Long life nylon seats
- Forged brass body for durability
- Full porting maximizes capacity and flow
- Hose assemblies UL recognized for 4000 psi (275 bar) burst and 800 psi (55 bar) working pressure. File# SA9737
- Made in the U.S.A.

UPC#	DESCRIPTION
42001	Manifold only, psi, R-22/404A/410A, °F
42004	With 60" PLUS II™ standard fittings, psi, R-22/404A/410A, °F
42201	With 60" PLUS II™ compact ball valve fittings, psi, R-22/404A/410A, °F
42005	Manifold only, psi, R-22/134a/404A, °F
42006	With 60" PLUS II™ standard fittings, psi, R-22/134a/404A, °F
42205	With 60" PLUS II™ compact ball valve fittings, psi, R-22/134a/404A, °F
42715	With 60" PLUS II™ compact ball valve fittings, kg/cm2/psi, R-410A, °F
41080	Series 41 Rebuild Kit
41133	1/4" Valve Piston

## 3-1/8" (80 mm) DRY MANIFOLD GAUGES (°F and °C) RED, BLUE AND BLACK (1%)

With 1% accuracy (Class 1) calibration. Large 3-1/8" gauges are housed in a red or blue steel case with front recalibrator screw. High visibility colored temperature scales are easy to read through the full view polycarbonate crystal.

- Flutterless™ technology with brass surge protector to minimize needle pulsation
- Brass gauge movement
- Copper alloy Bourdon tube
- 1/8" NPT Male connection
- Color-coded refrigerant types



UPC#	DESCRIPTION
49135	3-1/8", red pressure, 0-800 psi/bar, R-410A gauge (°C and °F)
49136	3-1/8", blue compound, 30"-0-300*** psi/bar, R-410A gauge (°C and °F)
49137	3-1/8", red pressure, 0-800 psi, R-22/404A/410A gauge (°F)
49138	3-1/8", blue compound, 30"-0-500*** psi, R-22/404A/410A gauge (°F)
49100	Replacement crystal
49190	3-1/8" Set of gauge boots

## 2-1/2" (68 mm) MANIFOLD GAUGES (°F and °C) RED AND BLUE (Class B)

Steel case for durability and high-visibility dials with colored temperature scales for easy reading.

- Flutterless™ technology with surge protector minimizes the needle pulsation for improved accuracy
- 1/8" NPT Male connection
- 3-2-3% accuracy
- Calibration traceable to NIST standards



UPC#	DESCRIPTION
49001	2-1/2" gauge (°F), red pressure, 0-500 psi, R-12/22/502
49002	2-1/2" gauge (°F), blue compound, 30"-0-120** psi, R-12/22/502
49035	2-1/2" gauge (°F), red pressure, 0-800 kg/cm2/psi, R-410A
49036	2-1/2" gauge (°F), blue compound, 30"-0-300*** kg/cm2/psi, R-410A
49010	Replacement crystal
49090	Set of 1 red, 1 blue boot

## DIGITAL ELECTRONIC CHARGING SCALE

Eliminates refrigerant transfer from tank to cylinder to system. The cylinder with refrigerant is weighed before and after charging. Charge directly into the system or recover from the system.

- Calibration standards traceable to NIST
- Removable control module on retractable 5' coiled cord
- Mechanical overload protection and "OL" alert on LCD
- Industrial grade circuitry for long life performance
- Minus (-) reading shows weight removed from the platform
- Single point load cell strain gauge for long term stability and accuracy
- Made in the U.S.A.

UPC#	DESCRIPTION
68802	Electronic charging scale 110 lbs. (50 kg)
68812	Electronic charging scale 220 lbs. (100 kg)



## DIGITAL CHARGING SCALE

The 220 lb. capacity of the YELLOW JACKET® Digital Charging Scale makes it a great solution for both large capacity systems and critical charging of small systems. Its 0.1 oz. resolution and 0.5% accuracy under all conditions make it the most accurate and precise refrigerant scale on the market.

- High accuracy resolution
- Compact, lightweight and easy to carry
- Bag features carrying handle, nylon pouch with straps and accessory pockets
- Long battery life-30 hours of continuous use
- Refrigerant tank capacity indication shows how much liquid is left in the tank
- Battery life indicator
- Rugged, low-profile design
- Large, high-contrast backlit LCD allows easy viewing in all environments
- Control module can be rested on flat surface or hung
- Control module and long six foot coiled cord stores inside platform when not in use
- Can be easily re-calibrated in the field with inexpensive reference weights
- Programmable—enter desired charge weight and built-in alarm indicates when threshold has been reached
- Built-in memory remembers all previous settings



UPC#	DESCRIPTION
68860	220 lb. Charging Scale with Bag

### DID YOU KNOW?

Digital electronic charging scales show the progress of the charge as it's happening, indicating when to close the valves and stop the charge. Works with any refrigerant in any system.

## eVac™ PRO AND eVac™ I DIGITAL VACUUM GAUGES

The YELLOW JACKET® eVac™ I and eVac™ Pro Digital Vacuum Gauges conveniently and easily allow you to measure vacuum pressure.

### FEATURES OF eVac™ I AND eVac™ PRO:

- 0 to 25,000 micron range with 1 micron resolution (0.1 resolution on the eVac Pro)
- Measures vacuum in microns, pascals, millibar, millitorr and mmHg (also PSI and inHg on the eVac Pro)
- "Analog" vacuum level bar graph
- Automatic warning when oil enters the sensor
- Built-in memory retains all previous settings
- Sensor design extremely resistant to contamination
- Battery Life up to 300 hours
- Calibration self test - can be field calibrated with no special equipment
- Made in the U.S.A. 🇺🇸

### eVac™ PRO:

- Evacuation progress indicator ensures evacuation is progressing in large volume systems
- Displays the saturation temperature of water vapor at current displayed measure
- Rise time analyzer allows fast and consistent rise time analysis after evacuation
- Programmable target pressure and hold timer
- Display pump-down speed during evacuation and vacuum leak rate during evacuation hold
- Displays ambient temperature in °F and °C
- Made in the U.S.A. 🇺🇸

UPC#	DESCRIPTION
69047	eVac™ I Digital Vacuum Gauge
69051	eVac™ Pro Digital Vacuum Gauge



## DIGITAL VACUUM GAUGE

Displays down from atmosphere to 10 microns ( bargraph indication above 25000 microns) of vacuum to let you know that your vacuum pump is clean and performing properly. If the sensor gets dirty, simply plug a new sensor into the gauge, run through a quick calibration process and be back on the job within minutes.

Seven units of vacuum for confidence. This easy-to-use gauge shows that air and moisture have been removed from the system. Simple push of a button changes the display readout between 7 units of vacuum.

- Unique patented thermal conductivity sensor automatically compensates for temperature
- Replaceable, cleanable, plug-in sensor (Part #69087) handles 450 psi positive pressure
- Displays 7 different units of vacuum (microns, milliTorr, Torr, millimeters of mercury, millibar, kiloPascal and Pascal)
- 12" coiled sensor cord stretches to 24" for easy reach, connectivity and readability of display
- Magnetized on back for secure, upright positioning on any magnetized surface
- Low battery indicator
- Automatic shut-off after 20 minutes
- Calibration standards traceable to NIST
- 32° to 122°F (0° to 50°C) operating temperature range
- 14 oz. (392 g) with battery
- Approximately 25 hours continuous battery life
- Accuracy: +/- 20% of reading
- Made in the U.S.A. 🇺🇸

UPC#	DESCRIPTION
69086	Handheld digital vacuum gauge
69087	Replacement sensor

## SUPERHEAT/SUBCOOL CALCULATOR with thermometer and P/T chart



Simplify how you measure superheat/subcool. Select your refrigerant, enter the pressure readings from your manifold gauges and clamp the thermocouple on the tube to activate the display reading.

- Faster, more accurate pipe temperature measurements
- Clamp-on K-Type thermocouple for accurate temperature measurement
- Displays bubble, saturated and dew point temperatures
- Easy-to-use with the touch of a button
- Hold function keeps data on the LCD even when thermocouple is disconnected
- Package includes instrument, clamp temperature probe with 3' cord, battery and instruction manual

UPC#	DESCRIPTION
69196	Type K clamp Therm with superheat and subcool
69214	3' K probe, 1-3/8" clamp
69217	10' K probe, 1-3/8" clamp

### YJ QUICK TIP:

It's normal for the reading to increase after the system is isolated from the vacuum pump, and a rise in microns doesn't necessarily mean you have a leak or that the gauge is defective, so the first piece of advice for you is not to panic. A digital gauge is highly accurate and extremely sensitive to what's happening in the system. If the reading rises rapidly at first but levels off in the 1000 to 3000 micron range, chances are the rise is related to the out-gassing of your charging hoses.

## SUPEREVAC™ LCD VACUUM GAUGE



Thermocouple technology has long been proven in laboratory and precision industrial instrumentation for sensing the deep vacuum range. Thermocouple sensors are factory calibrated and exhibit few of the electronic variances of thermistor sensors found in many other electronic gauges. Durable molded case with storage for sensor, cable and brass connector.

- Made in the U.S.A. 🇺🇸

UPC#	DESCRIPTION
69075	SuperEvac™ LCD vacuum gauge full range complete in case
69073	Replacement sensor

## GAS PRESSURE TEST KIT



Easier to use than a manometer, this compact kit helps you accurately set manifold pressure for natural or L.P. gas.


- Sensitive diaphragm gauge calibrated in inches of water column and ounces per square inch
- Improved lamination strength of diaphragm (bellows) to brass plate withstands higher over-pressure
- Tube nipple for easy connection to system manifold
- Two gauge ranges available
- The unique single bellows on brass plate design replaces the double bellows for a stronger seal that resists greater over-pressure
- Made in the U.S.A. 🇺🇸

UPC#	DESCRIPTION
78055	Complete test kit - 0-10" W.C.
78060	Complete test kit - 0-35" W.C.

## DELUXE 45° FLARING TOOL



A full range 1/8" to 3/4" O.D. flaring tool for soft copper.

- Designed with the new R-410A system requirement in mind
- Self-centering yoke grips without marring or constricting tube
- Automatic tube height gauge for correct tubing height
- Multi-faceted burnishing cone produces a burnished flare seat for a positive seal
- Easy-to-use with four basic steps
- Made in the U.S.A. 

UPC#	DESCRIPTION
60278	Deluxe flaring tool for 1/8" to 3/4" O.D.

### YJ QUICK TIP

The Deluxe 45° Flaring Tool features a built in height stop that helps you meet R-410A flaring requirements, without the guesswork.



## TUBING EXPANDER/SWAGER



With long handles for comfortable leverage, easily expand 5/16" to 1-1/8" O.D. soft copper and aluminum tubing in seconds. Select from nine expander heads to attach to the front of the handles.

- Precise swaging on the job
- Re-round deformed tubes and fittings
- Salvage shorts and scrap to make couplings
- Handles, tapered expanding pin, and other moving surfaces heat treated for durability
- Use on 0.063" wall soft copper and aluminum to 1-5/8" O.D. (anneal hard copper prior to use)
- Use on 0.047" wall soft steel to 7/8" O.D.
- Kit includes six expander heads; three optional sizes sold separately

UPC#	DESCRIPTION
60407	Expander kit with handles; heads for 3/8", 1/2", 5/8", 3/4", 7/8", 1-1/8" tubing O.D.; deburring tool, carrying case, instructions

## HYDRAULIC TUBE EXPANDER KIT



Expand tubing with one-hand, eliminate fittings and save time and money in the process.

- Saves time and money
- Eliminates fittings
- Easy operation
- Hydraulic power
- Lightweight and portable

UPC#	DESCRIPTION
60493	Hydraulic expander kit: heads for 3/8", 1/2", 5/8", 3/4", 7/8", 1-1/8", 1-3/8", 1-5/8" tubing O.D.; small cutter, tube reamer, carrying case and instructions
60497	Hydraulic expander kit: heads for 3/8", 1/2", 5/8", 3/4", 7/8", 1-1/8" tubing O.D.; carrying case and instructions

## RATCHET HAND TUBE BENDER



Easy one hand bending of 1/4" to 7/8" soft copper and soft aluminum. Hard copper must be annealed before bending.

- Quick change bending mandrels and shoes
- Trouble free ratchet mechanism
- Index marks to locate bends
- Complete tube bender kit includes all items required to bend 1/4", 5/16", 3/8", 1/2", 5/8", 3/4" and 7/8" tubing
- Reverse bending mandrel included in 60325 kit and sold separately (60342)

UPC#	DESCRIPTION
60325	Deluxe ratchet hand bender kit - includes the reverse bending mandrel
60331	Complete ratchet hand bender kit

## HEAVY-DUTY FLARING TOOL

3/16" to 5/8" This heavy-duty tool, designed for tight places.

- Hardened steel flaring bar to resist tube slippage
- Forged steel yoke that slips over bar and locks with a turn
- Precision threaded feed screw and long handle
- Chrome finish

UPC#	DESCRIPTION
60210	Heavy-duty flaring tool for 3/16", 1/4", 5/16", 3/8", 7/16", 1/2", 5/8" O.D.



## MINI-SPLIT TOOL KIT

A convenient, cost-effective way to get the tools you need to install or repair virtually any mini-split unit on the market.

- Save time and money
- Take the guesswork out of finding the right tool for the job
- Meet manufacturers' specifications on mini-split installations and repairs
- Includes R-410A service tools

UPC#	DESCRIPTION
60991	Mini-Split Tool Kit with Tool Bag, R-22/407C/410A Heat Pump Manifold



## 3/16 AND 5/16 VALVE ADAPTER



Combination service wrench and hex adapter (60610) for accessing liquid and suction based valves on residential and commercial units up to 7.5 tons. Heat-treated hex works for 3/16" and 5/16" hex valves. Black oxide plated.

- Made in the U.S.A.

UPC#	DESCRIPTION
60609	Hex key adapter
1 60610	Combination 60609 adapter with 60613 service wrench

## OFF-SET SERVICE WRENCH



Knuckle saver design for convenience in tight areas. 1/4" and 3/16" at one end; 3/8" and 5/16" at the other.

- Made in the U.S.A.

UPC#	DESCRIPTION
60616	Off-set service wrench

## STRAIGHT SERVICE WRENCH



Standard reversible ratchet wrench with square openings: 1/4" and 3/16" at one end; 3/8" and 5/16" at other end.

- Made in the U.S.A.

UPC#	DESCRIPTION
60613	Straight service wrench

## PRECISION TORQUE WRENCH



Designed to accommodate the full range of ductless mini-split flare nut sizes and torque requirements.

- Fully adjustable to accommodate a variety of flare nut sizes

Durable, easy-to-use and more adjustable than other flare nut torque wrenches on the market.

- Intuitive, easy-to-use settings and adjustments

UPC#	DESCRIPTION
60652	Eight Head Torque Wrench Kit (16, 17, 21, 22, 24, 26, 27 and 29 mm)

## PUNCH-TYPE SWAGING TOOL

- Expands one end of copper tubing for connecting same size tubes
- Heat-treated and plated alloy steel
- Made in the U.S.A.



UPC#	DESCRIPTION
60460	Multi-swage punch, 6 sizes 3/16" to 5/8"

## HEAVY-DUTY MINI-CUTTER



Compact yet easy to grip. With large rollers and flare cut-off groove.

- Mini-cutter for heavy-duty cutting from 1/4" to 7/8" O.D.
- Big mini-cutter for heavy-duty cutting from 1/4" to 1-1/8" O.D.

UPC#	DESCRIPTION
1 60121	Mini-cutter for 1/4" to 7/8" O.D.
2 60142	Big mini-cutter for 1/4" to 1-1/8" O.D.

## DEBURRING TOOL



For fast deburring, rotate blade.

UPC#	DESCRIPTION
1 60163	Deburring tool
2 60164	Replacement blade for 60163

## PREMIUM TUBE CUTTERS

Wide rollers with flare cut-off groove for convenience. Enclosed precision feed mechanism for easy, smooth cutting.

- Wide rollers with flare cut-off groove for convenience. Ground surface for easy rolling
- Wheel retracts into cutter body to save 1" in cutting radius
- Textured finish is easy to grip and hold
- Alloy steel wheels have a sharper cutting wheel edge for less burr on copper, aluminum and mild steel tubing
- Wheels are pinned to rotate in either direction without the screw backing out
- Corrosion-resistant finish on lightweight aluminum frame
- Fold away steel reamer with turned cutting edge for deburring
- Flare cut-off groove for quickly removing damaged flare
- Small and large sizes available
- Assembled in the U.S.A.



UPC#	DESCRIPTION
60101	Small cutter for 1/8" to 1-1/8" O.D.
1 60102	Large cutter for 1/4" to 1-5/8" O.D.
60100	1 pak cutter wheel for copper for cutters 60101, 60102, 60103

### YJ QUICK TIP:

We recommend you have a few different style cutters in your toolbox in order to handle various situations out in the field. It's also a good idea to have spare parts for all your cutting tools nearby. Service kits are available and have all the necessary parts to keep your workflow from coming to a halt. The key to making the perfect cut every time is a sharp wheel and patience. Without both, you'll most likely get a cut that is either surrounded by multiple score lines or a cut that has partially collapsed the tube.

