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.

TOOLS MADE IN AMERICA FOR GUYS WHO MAKE AMERICA COMFORTABLE.

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

**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

**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.

**UPC# DESCRIPTION**

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

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**RECOVER XLTR 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 eliminates 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 needed 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)

**FULLY AUTOMATIC**

No “throttling” required

**UPC# DESCRIPTION**

- 95760 RecoverXLT 115V/60 Hz
- 95762 RecoverXLT with tank overfill switch 115V/60 Hz
- 95763 RecoverXLT 230V/50 Hz (Euro and UK plug)

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For a complete list of YELLOW JACKET® Products, visit YELLOWJACKET.COM
**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.

**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.

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VACUUM PUMP SYSTEMS

**HEAVY-DUTY STEEL HANDLE**

For well-balanced carrying

**1/2 HP MOTOR**

Heavy-duty rotors and bearings

**WIDE-STANCE METAL BASE WITH RUBBER OVERLAY**

Increases pump stability

**LARGE BRASS OIL DRAIN**

For convenient, fast oil changes

**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

**1/4” x 3/8” x 3/8” INTAKE FITTINGS**

With integrated check valve

**WIDE-MOUTH RESERVOIR PORT**

- For easy, clean oil fills
- Double as pump exhaust for exhausting to a remote location

**LARGE OIL SIGHT GLASS**

For easy oil level monitoring

**WIDE-MOUTH OIL RESERVOIR PORT**

For easy, clean oil fills

**EXCLUSIVE BUILT-IN VACUUM INDICATOR**

Quick indication of evacuation progress

**ISOLATION VALVE**

For oil changes without losing system vacuum

**GAS BALLAST VALVE**

Keeps oil cleaner, longer during evacuation of wet systems

**LARGE OIL SIGHT GLASS**

Easily monitor oil level

**LARGE BRASS OIL DRAIN**

For convenient, fast oil changes

**UPC# DESCRIPTION**

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

**SUPEREvac™ 3, 5 AND 7 CFM VACUUM PUMPS**

The YELLOW JACKET® BULLET™ vacuum pump is a highly efficient two-stage rotary vane oil-sealed 3, 5 and 7 cfm vacuum 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 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.

**EXCLUSIVE BUILT-IN VACUUM INDICATOR**

Quick indication of evacuation progress

**ISOLATION VALVE**

For oil changes without losing system vacuum

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- 93540 4 cfm; 115V, 60 Hz single phase
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- 93590 11 cfm; 115V, 60 Hz single phase

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YELLOW JACKET® HVAC&R

For a complete list of YELLOW JACKET® Products, visit YELLOWJACKET.COM
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**

<table>
<thead>
<tr>
<th>UPC#</th>
<th>DESCRIPTION</th>
<th>CASE QUANTITY</th>
</tr>
</thead>
<tbody>
<tr>
<td>93091</td>
<td>Pint of vacuum oil</td>
<td>24 per case</td>
</tr>
<tr>
<td>93092</td>
<td>Quart of vacuum oil</td>
<td>12 per case</td>
</tr>
<tr>
<td>93096</td>
<td>Gallon of vacuum oil</td>
<td>6 per case</td>
</tr>
</tbody>
</table>

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°F (-28.8°C) to 180°F (82.2°C)
- Minimum bending radius: 6" (152mm)
- Made in the U.S.A.

**UPC# DESCRIPTION**

<table>
<thead>
<tr>
<th>UPC#</th>
<th>DESCRIPTION</th>
<th>CASE QUANTITY</th>
</tr>
</thead>
<tbody>
<tr>
<td>93850</td>
<td>Single valve with 1/4&quot; Schrader mount with 1/2&quot; Female flare</td>
<td>3 Pak</td>
</tr>
</tbody>
</table>

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°F (-28.8°C) to 180°F (82.2°C)
- Minimum bending radius: 6" (152mm)
- Made in the U.S.A.

**UPC# DESCRIPTION**

<table>
<thead>
<tr>
<th>UPC#</th>
<th>DESCRIPTION</th>
<th>CASE QUANTITY</th>
</tr>
</thead>
<tbody>
<tr>
<td>19040</td>
<td>SealRight™ repair kit with valve, gasket, plug, spring, and two 1/4&quot; rings</td>
<td>1 Pak</td>
</tr>
<tr>
<td>190241</td>
<td>Complete kit includes plug, gasket, nut, clip, and 19040 kit</td>
<td>1 Pak</td>
</tr>
</tbody>
</table>

**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 your SealRight™ 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.
VACUUM & CHARGING HOSES

9th 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
35980 3-pack (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" (102 mm)

UPC# DESCRIPTION
19060 50", PLUS II® 1/4" heavy-duty straight x angle

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 36" 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
15660 60", PLUS II™ 3/8" heavy-duty, 3/8" straight x 3/8" straight

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
19020 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™ 45° ring (10 pak)

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
- OFC, 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
19209 3/8" SealRight™ 45° x 1/4" Male flare
19109 1/4" SealRight™ 90° x 1/4" Male flare

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 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
19119 1/4" 45° Female QC x 1/8" NPT Fl.
19158 1/4" Acme Female x 1/4" Male flare
19173 5/16" Female QC x 1/4" Male flare

For a complete list of YELLOW JACKET® Products, visit YELLOWJACKET.COM
HOSE ADAPTERS, VALVES & PARTS

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

UPC# DESCRIPTION
18975 1/4" Vacuum/charge valve with side port
18986 1/4" Male x 5/16" female vacuum/charge valve

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 micro 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 extra 1/4" side port to attach electronic micron vacuum pressure of 800 psi
- Core removal allows recovery unit to work at maximum efficiency, speeding the recovery process
- 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
16955 3/4" NPS cylinder adapter with 1/4" Male flare

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 sealing cylinders
- Made in the U.S.A.

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

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
- Low Battery Life - 4 AA batteries provide 20 hours of operation

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 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

UPC# DESCRIPTION
69336 AccuProbe UV™
69334 AccuProbe UV™

VI QUICK TIP

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

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

YJ QUICK TIP

FOR A COMPLETE LIST OF YELLOW JACKET® Products, visit YELLOWJACKET.COM
MINI REFRIGERATION SYSTEM ANALYZER (Mini RSA)
The YELLOW JACKET® Mini Refrigeration System Analyzer (Mini RSA) provides digital capabilities to your existing analog brass manifold at an economical price. It monitors one pressure and one live temperature and brings digital capabilities to your existing analog brass manifold at an economical price.

- 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 feet
- YELLOW JACKET® ManTooth™ app (free download)
- Test system without losing refrigerant (no hoses and manifolds necessary)
- Wireless connection to your smart device (iPhone, iPad and Android compatible)

REFRIGERANTS “favorites” set up
- Includes bead probe
- Designed and assembled in the U.S.A.

TITAN® 4-VALVE TEST AND CHARGING MANIFOLD
Forged aluminum alloy body makes this unit lightweight for handling ease with the durability and reliability required for repeated use.

- Four hose enables connection to hi-/lo-sides, refrigerant tank and recovery unit or vacuum pump for diagnostics, evacuation charging and refrigerant recovery 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” (82 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-grab 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.

MANTOOTH® WIRELESS DIGITAL P/T GAUGE

- Wireless connection to your smart device (iPhone, iPad and Android compatible)
- Includes bead probe
- Designed and assembled in the U.S.A.

DIGITAL GAUGES

- Fully digital 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
- Includes bead probe
- Designed and assembled in the U.S.A.

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For a complete list of YELLOW JACKET® Products, visit YELLOWJACKET.COM

UPC DESCRIPTION

46003 Manifold only, R/B gauges, psi, R-22/404A/410A, °F
46013 With 60'' PLUS II™ compact ball valve R/B and 3/8” x 45°, R/B gauges, psi, R-22/404A/410A, °F
41083 BRUTE II™ Rebuild Kit

UPC DESCRIPTION

49963 Manifold only, R/B gauges, psi, R-22/404A/410A - °F
49967 With 60” PLUS II™ compact ball valve R/B and 3/8” x 45°, R/B gauges, psi, R-22/404A/410A - °F
49987 With 60” PLUS II™ compact ball valve R/B and 3/8” x 45°, R/B gauges, psi, R-22/34A/410A - °F
49998 With 60” PLUS II™ compact ball valve R/B and Y ball valve hose, R/B gauges, psi, R-22/34A/410A
41081 TITAN™ 2-Valve Rebuild Kit
41082 TITAN® 4-Valve Rebuild Kit
41133 1/4” Valve Pressure
**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
- Forged brass body for durability
- Full porting maximizes capacity and flow
- Hose assemblies UL recognized for 400 psi (275 bar) burst and 800 psi (55 bar) working pressure. Pipe SA8737
- Made in the U.S.A.

**UPC# DESCRIPTION**

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

**CHARGING SYSTEMS**

**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, 0-500 psi, R-410A gauge (°C and °F)
- 49138 3-1/8”, blue compound, 30”-0-300*** psi, R-410A gauge (°F)
- 49133 3-1/8”, red pressure, 0-600 psi, R-22/404A/410A gauge (°F and °C)
- 49137 3-1/8”, blue compound, 30”-0-300*** psi, R-22/404A/410A gauge (°C and °F)
- 49100 Replacement crystal
- 49150 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 dial 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**

- 68801 2-1/2”, blue compound, 30”-0-300*** psi, R-410A gauge (°F and °C)
- 68802 2-1/2”, blue compound, 30”-0-300*** psi, R-12/22/502 gauge (°F)
- 68803 2-1/2”, red pressure, 0-120** psi, R-12/22/502 gauge (°F)
- 68804 2-1/2”, red pressure, 0-500 psi, R-22/404A gauge (°C and °F)
- 68805 2-1/2”, blue compound, 30”-0-120** psi, R-12/22/502 gauge (°F)
- 68806 2-1/2”, blue compound, 30”-0-300*** psi, R-410A gauge (°F and °C)
- 68807 Replacement crystal
- 68808 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 6” 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
- 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

**ELECTRONIC INSTRUMENTS**

**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.

For a complete list of YELLOW JACKET® Products, visit YELLOWJACKET.COM
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 20,000 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 warming 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:

- Vacuum leak rate during evacuation and hold analysis after evacuation
- Current displayed measure progressing in large volume systems
- Calibration self test - can be field calibrated with no special equipment
- Made in the U.S.A.

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 the vacuum level bar graph indicating all seven 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
- Magnetically oriented 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
- Improved lamination strength of diaphragm (bellows) to brass plate
- Sensitive diaphragm gauge calibrated in inches of water column and ounces per square inch
-’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.

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

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.

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.
### 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 tube 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.

### Tubing Expander/Swager

With long handles for comfortable leverage, easily expand 5/64" 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**

### 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**

### 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

### 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**
- 60391 Mini-Split Tool Kit with Tool Bag, R-22/R-407C/R-410A Heat Pump Manifold
### System Tools

#### 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.**

<table>
<thead>
<tr>
<th>UPC#</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>60610</td>
<td>Combination 60609 adapter with 60613 service wrench</td>
</tr>
</tbody>
</table>

#### 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.**

<table>
<thead>
<tr>
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</tr>
</thead>
<tbody>
<tr>
<td>60613</td>
<td>Straight service wrench</td>
</tr>
</tbody>
</table>

#### 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.**

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</table>

#### 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

<table>
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<tr>
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</tr>
</thead>
<tbody>
<tr>
<td>60633</td>
<td>Eight Head Torque Wrench Kit (16, 17, 21, 24, 26, 27 and 29 mm)</td>
</tr>
</tbody>
</table>

#### Heavy-Duty Mini-Cutter
Compact yet easy to grip. With large rollers and flute 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.

<table>
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<tr>
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</tr>
</thead>
<tbody>
<tr>
<td>60129</td>
<td>Mini-cutter for 1/4&quot; to 7/8&quot; O.D.</td>
</tr>
<tr>
<td>60142</td>
<td>Big mini-cutter for 1/4&quot; to 1-1/8&quot; O.D.</td>
</tr>
</tbody>
</table>

#### Deburring Tool
For fast deburring, rotate blade.

<table>
<thead>
<tr>
<th>UPC#</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>60163</td>
<td>Deburring tool</td>
</tr>
<tr>
<td>60164</td>
<td>Replacement blade for 60163</td>
</tr>
</tbody>
</table>

#### 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.**

<table>
<thead>
<tr>
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</tr>
</thead>
<tbody>
<tr>
<td>60640</td>
<td>Multi-swage punch, 6 sizes 3/16&quot; to 5/8&quot;</td>
</tr>
</tbody>
</table>

#### Premium Tube Cutters
Wide rollers with flute cut-off groove for convenience. Enclosed precision feed mechanism for easy, smooth cutting.
- Wide rollers with flute 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.

<table>
<thead>
<tr>
<th>UPC#</th>
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</tr>
</thead>
<tbody>
<tr>
<td>60101</td>
<td>Small cutter for 1/8&quot; to 1-5/8&quot; O.D.</td>
</tr>
<tr>
<td>60102</td>
<td>Large cutter for 1/4&quot; to 1-3/8&quot; O.D.</td>
</tr>
<tr>
<td>60103</td>
<td>1/4&quot; pin cutter wheel for cutters 60101, 60102, 60103</td>
</tr>
</tbody>
</table>

**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 ready. 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.

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For a complete list of YELLOW JACKET® Products, visit YELLOWJACKET.COM