



Recovery Machines

RecoverXLT Universal Recovery Machines



Start with the features of the RecoverX and add **fully automatic operation** for every refrigerant.

- Single valve control for easy changeover from liquid to vapor to purge (patent pending)
- CPR valve regulates refrigerant to the compressor. Eliminates the need for the technician to throttle the suction valve. Protects the life of your compressor, and your investment
- Advanced 1/2 hp, 3425 rpm oil-less compressor with precision valves manufactured in an ISO-9001 facility
- Recovers refrigerant and shuts off when unit reaches 15" of vacuum. Unit will automatically restart if system pressure rises
- LED signals recovery completion
- High efficiency fan keeps air moving across condenser for cool running even in hot weather
- Senses back pressure from tank and shuts off automatically at 520 psi for safety
- Single high pressure safety switch
- Reusable mesh particulate filter inserts into suction port for protection. Simple cleaning eliminates replacement due to clogging
- Color-coded hook-ups for proper use
- "On-the-fly" purge with simple turn of a knob to remove residual refrigerant and help prevent cross contamination
- Designed and manufactured in USA
- Tested by UL to ARI 740-98

Mfg Part No	Description	Compressor
95760	RecoverXLT 115/60 Hz	1/2 hp oil-less
95762	RecoverXLT 115/60 Hz w/ tank overflow switch	1/2 hp oil-less

SuperEvac Systems



YELLOW JACKET 4, 6, 8, and 11 CFM SuperEvac™ Vacuum Pumps



INSIDE

- **Internal intake check valve** prevents oil back-up into the system during a power failure.
- **Precisely machined and assembled** parts with tight clearances for a deep vacuum.
- **Hardened cap screws** keep the pumping mechanism tight.

OUTSIDE

- **Rugged metal construction** for long-lasting durability in the field, with no flimsy plastic parts that are easily damaged.
- **Updated, lighter housing** with larger fins for cooler running.

OILING SYSTEM

- **Large oil reservoir** helps reduce operating temperature and dilute corrosive contaminants.
- **Gas ballast valve** keeps oil cleaner, longer during evacuation of wet systems.
- **YELLOW JACKET mineral-based vacuum pump oil** is recommended whether working with traditional or new alternative refrigerants, regardless of the oil used in the system.

Mfg Part No	Free Air Displacement (CFM)	Number of Stages	Field Blankoff	Intake	Motor	Internal Capacitor Thermal Overload	Voltage (Single Phase)	Power Cord	Oil Capacity
93540	4.0	2 stage rotary vane	15 microns	1/4" and 3/8" male flare	1/2 hp - 1725 rpm	temp rise 40 C	115 V - 60 cycle	8' motor mounted switch	36 oz.
93560	6.0	2 stage rotary vane	15 microns	1/4" and 3/8" male flare	1/2 hp - 1725 rpm	temp rise 40 C	115 V - 60 cycle	8' motor mounted switch	34 oz.
93580	8.0	2 stage rotary vane	15 microns	1/4" and 1/2" male flare	1/2 hp - 1725 rpm	temp rise 40 C	115 V - 60 cycle	8' motor mounted switch	43 oz.
93590	11.0	2 stage rotary vane	15 microns	1/4" and 1/2" male flare	1/2 hp - 1725 rpm	temp rise 40 C	115 V - 60 cycle	8' motor mounted switch	39 oz.

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Vacuum Pump Adapter



Convert a 3/8" or 1/2" vacuum pump intake into flare and Acme compatible fittings.

Mfg Part No	Description
36018	1/2" pump adapter with 1/4" flare and 1/2" Acme male fittings
19015	1/2" replacement gaskets for 36018
36019	3/8" pump adapter with 1/4" flare and 1/2" Acme male fittings
19011	3/8" replacement gaskets for 36019



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SuperEvac Systems



SuperEvac Evacuation Manifolds



SuperEvac 1/2" 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" or 3/8" Female flare quick coupler and provides easy connections for two 3/8" vacuum hoses.

- Flutterless™ gauge
- Non-restricting, full flow valves for fast vacuum
- Convenient 1/4 turn full flow
- Extra port for electronic gauge or charging cylinder
- Now includes step down adapter to connect to 3/8" pump intake

Mfg Part No	Description
93855	Single valve with low side gauge mount with 1/2" female flare
93860	Two valves with low side gauge mount with 1/2" female flare

SuperEvac LCD Vacuum Gauge



Thermocouple sensor features:

- No adjustments or warm-up. Stays calibrated after on/off switching and long evacuations.
- Automatic battery compensation
- Automatic ambient temperature compensation

LCD gauge features:

- Normal handling and jarring will not affect the LCD reading
- Rugged molded case protects electronic circuitry and sensor
- Calibration standards traceable to (NIST)
- Precision circuitry controls sensor and translates sensor input into micron readings on the easy-to-read LCD

Specifications

Response time: 3 seconds

Calibration: Automatic

Warm up: 3 seconds

Sensor cable: 5.5 feet (167 cm) coiled

Sensor connection: 1/4" Male flare

Operating temperatures: 32° to 120°F (0° to 49°C)

Power: 1 "D" cell battery

Battery life: 70 hrs continuous

Battery check: On LCD display

Dimensions: 9" x 12.25" x 2.37" (230 x 310 x 60 mm)

Accuracy: ± 20% of reading

Mfg Part No	Description
69071	Brass connector 1/4" FF x 1/4" FF
69073	Replacement sensor for 69070, 69075
69075	SuperEvac LCD vacuum gauge full range complete in case (atmosphere to 1 micron)
69067	Optional ball valve to add to sensor 1/8" NPT Female x 1/4" Female flare
19110	Optional coupler to add to sensor 1/8" NPT Female x 1/4" Female flare

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Vacuum and Charging Hoses

YELLOW JACKET Original 1/4" Charging Hoses



The YELLOW JACKET original charging hose has been the standard of the industry for more than 50 years.

- 2500 psi (172 bar) min. burst and 500 psi (34 bar) max. working pressure mean a 5-to-1 safety factor
- Specially formulated rubber tube resists most refrigerants and assures long work life
- Blow-off groove channels refrigerant out of the front of the nut to help prevent spray back
- Hose cover pin-pricked to resist bubbling and bursting
- 6" to 100' lengths in yellow, red, and blue. Longer lengths are available
- Brass fittings
- Operating temperature -20° to 180°F (-28.8° to 82.2°C)

3 Paks

- Each hose color-coded for your convenience
- 1/4" straight x 1/4" 45° angle fitting

Mfg Part No	Length	Description	Color
11012	12"	HA12Y	Yellow
11024	24"	HA24Y	Yellow
11036	36"	HA36Y	Yellow
11048	48"	HA48Y	Yellow
11060	60"	HA60Y	Yellow
11072	72"	HA72Y	Yellow
11096	96"	HA96Y	Yellow
11110	10'	HA120Y	Yellow
11112	12'	HA144Y	Yellow
11125	25'	HA300Y	Yellow
11150	50'	HA600Y	Yellow
11175	75'	HA900Y	Yellow
11200	100'	HA1200Y	Yellow
11983	36"	3 pack	Red, Yellow, Blue
11964	48"	3 pack	Red, Yellow, Blue
11965	60"	3 pack	Red, Yellow, Blue
11966	72"	3 pack	Red, Yellow, Blue
11968	96"	3 pack	Red, Yellow, Blue

Accessories

Mfg Part No	Description/Quantity
19010	1/4" gasket (6 pak), Valve depressor (3 pak)
19020	Replacement gasket (10 pak)
19302	Adjust-a-Valve Opener (10 pak)

YELLOW JACKET PLUS II 1/4" Charging Hoses

With Double Barrier Protection



YELLOW JACKET PLUS II Hoses have proven performance benefits of the original line, plus double barrier protection for CFC, HCFC and HFC (R-404A, R-134a, R-507, R-407C, R-410A, etc.).

1. **Nylon permeation barrier** meets UL requirements. 1/4" PLUS II hose is also a UL 1963 recognized component for R-12, R-22, R-500, R-502 and R-134a.
2. **Moisture barrier** provides improved resistance to moisture migration which contaminates expensive refrigerant. Other features include 4000 psi (276 bar) min. burst and 800 psi (55 bar) max. working pressure for a 5-to-1 safety factor.

Mfg Part No	Length (in)	Color
21012	12	Yellow
21024	24	Yellow
21036	36	Yellow
21048	48	Yellow

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Vacuum and Charging Hoses



9" FlexFlow and Low Loss Adapter Hoses

FlexFlow Assemblies



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)

Mfg Part No	Description
25002	1/4" yellow FlexFlow adapter
25202	1/4" blue FlexFlow adapter
25602	1/4" red FlexFlow adapter
25980	3-pak: 25002, 25202, 25602

YELLOW JACKET PLUS II 1/4" Hose

With SealRight Low Loss Anti-Blow Back Fitting



- Low loss anti-blowback 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 CFCs, plus new HFC refrigerants and oils
- Available with SealRight fittings on both ends
- Operating temperature -20° to 180°F (-28.8° to 82.2°C)
- 4000 psi (276 bar) min. burst, 800 psi (55 bar) max. working pressure

Mfg Part No	Length (in)	Description
22983	36	3-pack - yellow, blue, red
22984	48	3-pack - yellow, blue, red
22985	60	3-pack - yellow, blue, red
22986	72	3-pack - yellow, blue, red

YELLOW JACKET PLUS II 3/8" "B" Charging Hose



Special design puts YELLOW JACKET features in a larger volume hose for fast, high vacuum or charging. Hose uses *PLUS II* hose technology which includes double barrier and higher working pressure.

- Burst pressure is 3000 psi (207 bar) min. burst with 600 psi (41 bar) max. working pressure
- Operating temperature -20° to 200°F (-28.8° to 93.3°C)
- Larger selection of fittings to fit customer needs

Mfg Part No	Length (in)	Description	Color
14548	48	3/8" x fl. str. x 3/8" fl. str.	Yellow
14560	60	3/8" x fl. str. x 3/8" fl. str.	Yellow
14572	72	3/8" x fl. str. x 3/8" fl. str.	Yellow
14596	96	3/8" x fl. str. x 3/8" fl. str.	Yellow

Cylinder Valve Hoses

With Finger Tight Drum Fitting



Designed for finger tight operation on 125 lb. and 145 lb. refrigerant cylinders. Gaskets seal without wrenches.

- Operating temperature -20° to 200°F (-28.8° to 93.3°C)
- 3/8" hose 3000 psi (207 bar) min. burst, 600 psi (41 bar) max. working pressure
- 1/4" heavy duty hose 3500 psi (241 bar) min. burst, 900 psi (62 bar) max. working pressure

Mfg Part No	Length (in)	Type	Fittings
18612	12	1/4" heavy duty	1/4" male flare x 3/4" NPS
18912	12	3/8" heavy duty	3/8" male flare x 3/4" NPS
18072	72	1/4" original	1/4" female flare x 3/4" NPS
18372	72	3/8" standard	3/8" female flare x 3/4" NPS

Accessories

Mfg Part No	Description
18001	Replacement gasket (10 pak)

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Vacuum and Charging Hoses

YELLOW JACKET PLUS II 1/4" Heavy Duty Charging Hose



Heavy-duty construction for substantially increased service life. PLUS II barrier reduces permeation. Flexibility for all-weather easy handling.

- 3500 psi (241 bar) min. burst, 900 psi (62 bar) max. working pressure.
- Operating temperature -20° to 200°F (-28.8° to 93.3°C)
- Pulls 75 micron vacuum or better on 36" hose

Mfg Part No	Length (in)	Description
15048	48	HCA Hose Str. x Angle
15060	60	HCA Hose Str. x Angle
15072	72	HCA Hose Str. x Angle
29848	48	Hose with ball valve
29848	60	Hose with ball valve
29848	72	Hose with ball valve

YELLOW JACKET PLUS II 3/8" Heavy Duty Combination Charging/Hi-Vacuum Hose



Pull a vacuum much faster with this 3/8" heavy duty hose than with the 1/4" hose.

- Permeation resistant PLUS II barrier
- Operating temperature -20° to 200°F (-28.8° to 93.3°C)
- 3000 psi (207 bar) min. burst, 600 psi (41 bar) max. working pressure

Mfg Part No	Length (in)	Description
15636	36	3/8" fl. str. x 3/8" fl. str.
15648	48	3/8" fl. str. x 3/8" fl. str.
15660	60	3/8" fl. str. x 3/8" fl. str.
15672	72	3/8" fl. str. x 3/8" fl. str.
16236	36	3/8" fl. x 1/4" 45 Degree
16248	48	3/8" fl. x 1/4" 45 Degree
16260	60	3/8" fl. x 1/4" 45 Degree
16272	72	3/8" fl. x 1/4" 45 Degree

YELLOW JACKET PLUS II 1/2" and 5/8" Heavy Duty Combination Charging/Hi-Vacuum Hose



Heavy-use construction with PLUS II barrier technology for use with most refrigerants. Reduces permeation and vacuum loss. Features:

- Large ID reduces vacuum time substantially over 1/4" or 3/8" hose
- Pull a more complete vacuum
- Faster refrigerant transfer
- Faster charging on large systems
- 3000 psi (207 bar) min. burst, 600 psi (41 bar) max. working pressure 1/2" and 5/8" assemblies
- Various fittings available on request
- Operating temperature -20° to 200°F (-28.8° to 93.3°C)

Mfg Part No	Length (in)	Description
16110	120	5/8" fl. x 5/8" fl.
15848	48	1/2" fl. x 1/2" fl.
15872	72	1/2" fl. x 1/2" fl.
15910	120	1/2" fl. x 1/2" fl.
16048	48	5/8" fl. x 5/8" fl.
16072	72	5/8" fl. x 5/8" fl.

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Vacuum and Charging Hoses



Original Pressure Control Hose



- Black Hose
- 1/4" Hex Fittings Assemblies
- Operates to 600 psi and 200°F

Mfg Part No	Length (in)	Description
78212	12	Str. x Str.
78218	18	Str. x Str.
78224	24	Str. x Str.
78230	30	Str. x Str.
78236	36	Str. x Str.
78248	48	Str. x Str.
78260	60	Str. x Str.
78113	12	Str. x 90 Degrees
78118	18	Str. x 90 Degrees
78124	24	Str. x 90 Degrees
78130	30	Str. x 90 Degrees
78136	36	Str. x 90 Degrees
78148	48	Str. x 90 Degrees
78160	60	Str. x 90 Degrees

Hose Adapters, Valves and Parts



1/4" 4-in-1 Ball Valve Tool

For Vacuum, Charge, Cores and Recovery



- Vacuum valve.** Extra 1/4" side port on 18975 to attach electronic micron vacuum gauge right at system for greater accuracy.
- 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.

Mfg Part No	Description
18975	Vacuum/charge ball valve w/side port
18971	Vacuum/charge valve w/out side port
18980	Accessory set - 2 piece
18978	Schrader rethreading accessory
18979	Broken Schrader remover acc.
18997	Grappler rod/nut assembly
18973	Gasket for 18975 (5 pak)
18974	Seal Kit includes core, cap, 4 "O"-rings, gasket

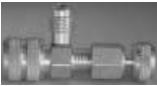
Full Control Ball Valves for Vacuum/Charging

When building your own charging/ vacuum system, these straight flowthrough valves connect hoses and provide full-flow capacity. No angles to cause restrictions and pressure drops. Handle position shows when the valve is opened, securely closed and anywhere between.



Mfg Part No	Description
93834	1/4" SAE, M. Fl. x M. Fl.
93836	3/8" SAE, M. Fl. x M. Fl.
93838	1/2" SAE, M. Fl. x M. Fl.
93844	1/4" SAE, M. Fl. x Fe. Fl.
93827	5/16" SAE, M. Fl. x Fe. Fl.
93846	3/8" SAE, M. Fl. x Fe. Fl.
93848	1/2" SAE, M. Fl. x Fe. Fl.

Gas Retention Valve



Sturdy valve controls refrigerant flow from access fitting. Closes Schrader before disconnecting. New back seat valve feature to retain gas in hose when disconnecting.

Mfg Part No	Description
18993	Gas Control Valve, 1/4" female fl. x 1/4" male fl.
18995	"O"-Ring Set

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Hose Adapters, Valves and Parts

SealRight Quick Couplers



Innovative SealRight fittings automatically and immediately trap refrigerant in the hose when disconnected, helping meet nonventing 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 CFC, HCFC, HFC refrigerants, and new oils. Field serviceable. **Not recommended for R-410A systems.**

Mfg Part No	Description
19109	1/4" SealRight Str. x 1/4" Male fl.
19208	1/4" SealRight 45 degree x 1/4" Male fl.
19209	1/4" SealRight 90 degrees x 1/4" Male fl.
19100	Set of 19109 and 19209

YELLOW JACKET Quick Couplers



Full size with deep knurling for easy handling. Special features include patented 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.

Mfg Part No	Description	Size
19104	Straight Quick Couplers	3/8" Fe. QC x 1/4" Male fl.
19173	R0410A Couplers - 45 Degree with Schrader Valve Core	5/16" Fe. QC x 1/4" M. fl. w/Schrader
19110	Gauge Quick Couplers with CH14 Adjustable Valve Opener	1/4" Female QC x 1/8" NPT Fe
19161	ACME 1/2" Couplers - Auto Straight	1/4" Fe. QC x 1/2" Male ACME
19165	ACME 1/2" Couplers - Auto Straight	3/8" Fe. QC x 1/4" Male fl.

125 And 145 Lb Cylinder Valve Adapter



Finger tight adapters fit 125 and 145 lb. cylinders. Seal remains seated. Two sizes.

Mfg Part No	Description
19105	3/4" NPS finger tight cylinder adapter with 1/4" Male flare
19106	3/4" NPS finger tight cylinder adapter with 3/8" Male flare
18001	Replacement gasket (10 pak)

YELLOW JACKET Adjust-a-Valve Openers

The patented "Adjust-a-Valve" opens 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. When finished, rotate back. (Pat. No. 3592439). "Adjust-a-Valve" for 1/4" and 5/16" hoses is the same.

Mfg Part No	Description
19302	Replacement gasket (10 pak)
19301	1/4" Valve Openers (10)
19304	1/8" Valve Openers (10)

Quick Coupler Gaskets & "O"-Rings



The only gaskets designed for optimum performance with YELLOW JACKET® Charging Hoses. Works with all refrigerants. Manufactured to strict tolerances to resist blow out.

Mfg Part No	Part	Quantity	Application
19020	CH20/10	10	1/4" hose, 5/16" hose, 1/2" ACME hose
19005	CH20/100	100	1/4" hose
19011	CH11	10	3/8" hose
19015	CH80	10	1/2"-5/8" hose
19037	-	10	1/4" SealRight "O"-Ring

Automotive R-134A A/C Couplers

Premium with Control Valve



Couplers interface with R-134a service ports. 14 mm female thread or 1/4" male flare available.

- Quick, easy connect/disconnect.
- Control valve for access to systems even at working pressures.
- Integral safety sleeve holds coupler securely to service port.

Mfg Part No	Description
41301	14 mm Fe, 90 degrees high side auto coupler
40322	14 mm Fe, 90 degrees low side auto coupler
40323	1/4 M. fl., 90 degree high side auto coupler
40324	1/4 M. fl., 90 degree low side auto coupler

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Charging Systems



YELLOW JACKET TITAN 4-Valve Test & Charging Manifold



Forged aluminum alloy body for increased strength and reliability

The new TITAN™ Test and Charging Manifold is the first forged aluminum manifold in the industry. Special aluminum alloy body makes this unit lightweight for handling ease with the durability and reliability required for repeated, rugged use.

Features/Benefits

- Large, easy-to-read 3-1/8" (80 mm) steel case red and blue, 1% accuracy (Class 1) gauges; front access for easy field recalibration; optional protective gauge boots available
- Proven, 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
- Sight glass to easily view refrigerant movement and condition during charging and recovery
- Heavy duty hook won't pull out

4-Valve Features/Benefits

- 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 on unit are 1/4")

Mfg Part No	Refrigerant	Gauges	Hoses
49962	R-410A	Red/Blue	No hose
49965	R-410A	Red/Blue	60 PLUS II - RYB & 3/8" x 45 degrees
49932	R-134a, R-404A, R-407C	Red/Blue	No hose

Protective Gauge Boots



Rubber boots slip easily around gauges to cushion and protect them from impact.

- Fit 2-1/2" and 3-1/8" gauges without covering easy access recalibration screw
- Color-coded red or blue to match gauge

Mfg Part No	Size	Description
49090	2-1/2"	Set of gauge boots (red and blue)
49190	3-1/8"	Set of gauge boots (red and blue)

YELLOW JACKET Series 41 Manifolds

With 2-1/2" Gauges



Forged brass body with metal valve handles.

Forged body is solid brass for durability. Full porting maximizes capacity. Metal valve handles are full size for easy operation. Hose anchors are forged into back of body at 45°.

Pretested. Every manifold is individually tested for reliability before shipping.

Limited Lifetime Warranty on manifold bar and valves – not gauges. See manifold instructions for details.

Flutterless™ Technology. Surge protector and silicone dampened movement helps minimize needle pulsation for easier, more accurate readings.

Sliding double "O"-ring pistons. Non-rotating design reduces wear. Only 1-1/2 turns give you full flow. Long-life nylon seat is also for vacuum and R-134a, R-404A, R-507, R-407C, R-410A, etc.

YELLOW JACKET Hoses. Most manifolds include color-coded YELLOW JACKET charging hoses.

Easy-to-read 2-1/2" steel case gauges (°F) with 3-2-3% accuracy.

Mfg Part No	Refrigerant	Description
41312	R-134a, R-404A, R-507	Basic unit: manifold, gauges, hook and anchors
41712	R-410A	Basic unit: manifold, gauges, hook and anchors

No Hose



Mfg Part No	Refrigerant	Description
42000	R-12, R-22, R-502	Red and blue gauges
42010	R-134a, R-404A, R-507	Red and blue gauges
42030	R-410A	Red and blue gauges

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Charging Systems

Series 41 Manifold Replacement Parts



Mfg Part No	Description
49010	New crystal
41141	Handle and screw
41142	Screws for valve handles (set of 2)
41150	3-plug hose anchor
40280	4-plug hose anchor
40281	4-plug hose anchor with one 3/8" plug
40279	Heavy-duty swivel hook
41133	1/4" Piston with "O" rings and seal
41131	"O"-rings 10 pack
41134	Feed screw
41135	Retaining nut
41143	Complete handle assembly - piston with seal, "O"-rings, feed screw, retaining nut and handle with screw

Manifold Parts Kit

For Series 41 and TITAN Manifolds



Mfg Part No	Description	Quantity
41134	Feed screw - Series 41/TITAN	6
41135	Valve retaining nut - Series 41/TITAN	6
41141	Metal handle with screws - Series 41	4
41142	Handle screws (2) - Series 41/TITAN	6
41133	1/4" Piston - Series 41 and TITAN	6

Automotive R-134a Manifold



"Series 41" automotive manifold comes complete with R-134a gauges, environmental *PLUS II* hoses, and special R-134a A/C couplers with control valves. The hoses meet SAE J2196 and are UL 1963 recognized. Additional hose construction improvements increase working pressure for increased safety. Hoses available with ACME and 14 mm male fittings. Available 5' or 10' hoses.

Mfg Part No	Description
41343	Auto only R-134a manifold 60" hose with 1/2" ACME fittings and 14 mm fittings, hose anchors
41345	Above with R-134a couplers
41346	Above with carrying case

Gauges



Heavy Duty 2-1/2" Brass Manifold Gauges

With 1% Accuracy (Class 1) Calibration



Solid brass case and premium movements. Heavy duty phosphor bronze and stainless steel internal components for longer service life under severe use. 1% accuracy (Class 1) calibration. Flutterless™ technology with brass surge protector to minimize needle pulsation.

- 1/8" NPT Male connection.
- Calibrated to 1% accuracy at the plant.

Mfg Part No	Size (in)	Description	Pressure Scale	Refrigerants
49047	2-1/2	Brass pressure	0-500 psi	R-12, 22, 502
49048	2-1/2	Brass compound	30" 0-120 psi (features retard protection to 350 psi)	R-12, 22, 502

YELLOW JACKET 2-1/2" Manifold Gauges Red and Blue

Class B



All YELLOW JACKET gauges feature bold high-visibility dials with colored temperature scales for easy reading.

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

Mfg Part No	Size (in)	Description	Pressure Scale	Refrigerants
49001	2-1/2	Red pressure	0-500 psi	R-12, 22, 502
49002	2-1/2	Blue compound	30" 0-120 psi (features retard protection to 350 psi)	R-12, 22, 502
49051	2-1/2	Red pressure	0-500 psi	R-134a, 404A, 507
49052	2-1/2	Blue compound	30" 0-120 psi (features retard protection to 350 psi)	R-134a, 404A, 507

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Gauges



Liquid-Filled 3-1/8" Manifold Gauges Red and Blue

Class B



Glycerine filled gauges are larger 3-1/8" diameter for easy reading with refrigerants color coded on dials. Liquid filled gauges dampen pulsation. Gauges calibrated to 3-2-3 (Class B) accuracy. Back recalibrator screw. 1/8" NPT Male connection.

Mfg Part No	Size (in)	Description	Pressure Scale	Refrigerants
49071	3-1/8	Red pressure	0-500 psi	R-134a, 404A, 407C
49072	3-1/8	Blue compound	30" 0-120 psi (features retard protection to 240 psi)	R-134a, 404A, 407C

Electronic Instruments



YELLOW JACKET Sling Psychrometer



Streamlined, compact tool measures wet and dry bulb temperatures of surrounding air for immediate conversion of readings to relative humidity percentage.

- One piece unit self-contained housing fits into your pocket
- Calibrated and easy-to-read
- "Slide rule" scale is part of the case
- Accurate to 1% of "Hygrometric Tables"

Mfg Part No	Description
69010	Sling psychrometer
69011	Replacement wicks (5 pack)
69015	Replacement thermometer

YELLOW JACKET Digital Electronic Manometer



The unit benefits all contractors who wish to eliminate the mess and fragility of U-tubes or diaphragm type gas pressure gauges. This easy to use electronic instrument provides a continuous display of the measured positive or negative pressure. The unit provides measurements from -19.95" to +19.95" water column. Ideal for setting gas pressure at manifold, also check pressure, flue draft and air balancing. Once your work is complete it automatically turns itself off. Kit includes battery, tubing, and brass fitting.

- -19.95" to +19.95" water gauge
- 0.05" WG resolution
- Easy to use
- Large LCD display
- Automatic power-off
- Long battery life
- Includes 18" tubing and fitting

Mfg Part No	Description
78050	Digital electronic manometer
69089	Battery door
78071	Tubing with fitting
59511	Brass fitting only

YELLOW JACKET Water-Type Manometer



Economical plastic tube manometer helps you set manifold pressure for natural or L.P. gas. Now goes to -2" W.C. for newer systems. Strong magnet on manometer holds it in convenient upright position. Includes tubing with fitting.

Mfg Part No	Description
78070	-2" - 0 - 7-1/2" scale manometer
78075	-2" - 0 - 15" scale manometer
78071	Tubing with fitting
59511	Brass fitting only

YELLOW JACKET 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
- 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

Mfg Part No	Description
78055	Complete test kit - 0-10" W.C.
78060	Complete test kit - 0-35" W.C.

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Buffalo, NY	716-853-1291	Utica, NY	315-732-4077	Erie, PA	814-459-4559	Wilkes-Barre, PA	570-824-8779
Middletown, NY	845-733-5666			Harrisburg, PA	717-558-0828	Williamsport, PA	570-323-4606



Electronic Instruments

Fuel Oil Test Kit



Complete kit to determine pump efficiency, cut-off, suction etc. Also use to analyze or trouble shoot burner efficiency. Kit includes 2" gauge, 30" 0-150 lbs. scale, and 12" YELLOW JACKET hose with fittings.

Mfg Part No	Description
78020	Complete fuel oil gauge kit

System Tools



YELLOW JACKET Premium Tube Cutters



Enclosed precision feed mechanism for easy, smooth cutting. Resists jams. Other features include:

- 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 easier to grip and hold with oily hands and gives it a more professional look.
- Made from high quality alloy steel, YELLOW JACKET wheels have a sharper cutting wheel edge for less burr on copper, aluminum and mild steel tubing. Does not "bottom out." Pinned rather than screwed in position, so it rotates in either direction without the screw backing out. • Corrosion-resistant finish on lightweight aluminum frame.
- Small and large sizes available.
- Fold away tool steel reamer with turned cutting edge.
- Flare cut-off groove for quickly removing damaged flare.

Mfg Part No	Description
60101	Small cutter for 1/8" to 1-1/8" OD
60102	Large cutter for 1/4" to 1-5/8" OD
60103	Constrictor/cutter for 1/4" to 1-1/8" OD
60100	Replacement cutter wheel s for copper (4)
60079	Replacement pin and clip for wheel (3)
60106	Replacement constrictor wheel (3)
60098	Replacement cutter wheel for stainless (3)

Heavy Duty Mini-Cutters



The pioneering 60121 Mini-cutter for heavy duty cutting from 1/8" to 7/8" O.D. – not a minor detail when you consider other minis with the same turning radius cut only up to 5/8". Wide body for easy grip. Large rollers and flare cut-off groove.

Small-Mini 60160– Smallest version of the heavy duty model cuts 1/8" to 5/8" with a turning radius of only 1-3/16".

Big-Mini 60142– A larger version with a heavy duty cast body cuts from 1/4" to 1-1/8" O.D. and is still compact. Field proven.

Mfg Part No	Description
60160	Small mini for 1/8" to 5/8" OD
60121	Mini-cutter for 1/8" to 7/8" OD
60142	Big mini for 1/4" to 1-1/8" OD
60120	Replacement cutter wheels (6) for 60121
60144	Replacement cutter blade pin and clip for 60142

YELLOW JACKET Large Tube Cutters - to 5-1/8"



Improved spring loaded instant slide action feed is now simpler and stronger with heat treated components. The new stronger "I beam" design uses aluminum alloy for both strength and light weight. Wider body has longer rollers to hold tubing better and includes a flare cut off groove. Contoured handle for better gripping also holds spare cutter wheel. Separate deburr tool slides into cutter body.

Mfg Part No	Description
60139	Tube cutter, 3/8" to 2-5/8"
60146	Large tube cutter, 2" to 5-1/8"

Tube Deburring Tool



For fast deburring, rotate blade.

Mfg Part No	Description
60163	Deburring tool
60164	Replacement blade for 60163

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System Tools



Tube Reamer/Burr Remove



Steel blades remove inner and outer burrs.

Mfg Part No	Description
60161	Tube reamer - 1/16" up to 1-3/8"

Mini-Saw for Tight Places



Specially designed for cutting small or large object in tight areas. Not meant for hardened steel.

Mfg Part No	Description
60071	Mini saw, overall length 10", blade length 6"
60076	Blades, 10 per pkg, 6" length

Capillary Cutter



Cleanly cut capillary tubing without flattening or constricting tubing.

Mfg Part No	Description
60195	Capillary cutter

Deluxe 45 Degree Flaring Tool

Full Range 1/8" to 3/4" OD



The only full range 1/8" to 3/4" O.D. flaring tool available for copper, brass and aluminum tubing.

- Self-centering yoke for precise 45° flares grips without marring or constricting tube.
- Automatic tube height gauge for correct tubing height .
- Multi-faceted burnishing cone to roll out smooth, polished flare seat for positive seal.
- Easy-to-use with 4 basic steps.

Mfg Part No	Description
60280	Deluxe flaring tool, 1/8" to 3/4"

Heavy Duty 45 Degree Flaring Tools 3/16" to 3/4"



This heavy duty tool, designed for tight places, features:

- 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 to insure smooth and easy operation.

Mfg Part No	Description
60210	Flaring tool, 3/16, 1/4, 5/16, 3/8, 7/16, 1/2, 5/8" OD

Flare/Burnish Tool



Multi-faceted cone rolls a precise flare and simultaneously polishes it on brass, copper and aluminum.

Mfg Part No	Description
60270	Flare/burnish tool, 3/16" to 5/8" OD

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System Tools

YELLOW JACKET Premium Double and Single Flare 45 Degree Tool



One-piece tool single flares six sizes of copper, brass, aluminum and most mild steel tubing. Forms flare above clamping block without thinning flare. Deeper grooves in bar for improved gripping power.

- Hardened steel block; and steel handles and body for durability
- Automatic flare cone centering for consistent flare precision

Mfg Part No	Description
60201	Single flare tool only - 45 degree, 3/16, 1/4, 5/16, 3/8, 1/2, 5/8" OD
60202	Double flare tool only - 45 degree, 3/16, 1/4, 5/16, 3/8, 1/2, 5/8" OD

YELLOW JACKET Swaging and 45 Degree Flaring Tool



This combination tool both flares and swages soft or annealed copper and similar materials. Six hardened and plated alloy steel adapters are interchangeable to easily convert sizes and functions. Slip-on self-centering steel yoke has a feed screw with extra long handle. For a sure grip when attaching adapters to the feed screw, adapters are deeply knurled. Flaring bars are hardened and chrome plated for durability. Kit comes complete with six swage adapters, flaring cone, two flaring bars, yoke, and a deluxe case.

Mfg Part No	Description
60440	Swage/flare kit complete 3/16" to 3/4" O.D.

Punch-Type Swaging Tool



Durable heat-treated and plated alloy steel tool expands one end of copper tubing for connecting same size tubes.

Mfg Part No	Description
60475	Set - 4 pieces in pouch - 1/4, 3/8, 1/2, and 5/8"
60463	3/16" O.D. punch
60464	1/4" O.D. punch
60465	5/16" O.D. punch
60466	3/8" O.D. punch
60467	1/2" O.D. punch
60468	5/8" O.D. punch
60469	3/4" O.D. punch
60470	7/8" O.D. punch

YELLOW JACKET Tubing Expander/Swager 5/16" to 1-5/8" O.D.



With long handles for comfortable leverage, you can easily expand 5/16" to 1-5/8" O.D. soft copper and aluminum tubing in seconds. Handles, tapered expanding pin, and other moving surfaces are heat treated for long-term durability. Select from nine expander heads to attach to the front of the handles.

Wide range of capabilities:

- Precise swaging on the job
- Re-round deformed tube and fitting ends
- Help salvage shorts and scrap to make couplings
- Use on .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 1-1/8" O.D.
- Use on .039" wall stainless steel to 7/8" O.D.

Mfg Part No	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, steel carrying case, instructions.
60412	Expander handles
60426	Steel carrying case

Fin Straighteners



61150 Fin Tool straightens condenser and evaporator fins quickly and easily – even severely damaged ones. Also cleans away lint, rust, dirt and other debris. Adjustable tension and sturdy metal body.

61170 is similar to 61150 with a longer comfort-grip handle making straightener easier to use. Head is 20% wider to straighten more fins in one pass.

Mfg Part No	Description
61150	Fin straightener
61170	Fin straightener with large handle

YELLOW JACKET Ratchet Hand Bender



The *original* one hand bending tool for soft copper, aluminum and light wall hydraulic tubing from 3/8" to 7/8".

- New stronger bending bar
- Bending shoes change quickly. Trouble free ratchet mechanism. Bend 3/4" tube to 90° in less than 10 seconds.
- Index marks ensure bending to length.

Complete swing bender kit includes all items shown to bend 3/8", 1/2", 5/8", 3/4" and 7/8" tubing per case.

Mfg Part No	Description
60331	Complete kit

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System Tools



Full Range Heavy Duty Tube Benders

For 1/4" to 7/8" Radius



Make fast bends on almost every size of soft copper, brass, aluminum, steel and soft stainless steel tubing to 180°. 60390 is a compact three-in-one bender for 1/4", 5/16" and 3/8" O.D. tubing. Calibrated markings for bends up to 180° help you duplicate angles. The balance of the line features special hardened wearing surfaces to help maintain accuracy. Conforms to Fed. Spec. GGG-B-191-a Type III, Class 2.

Mfg Part No	Description	Bending Radius
60390	1/4"-5/16"-3/8" 3-in-1 tube bender	15/16"
60373	1/4" tube bender	9/16"
60374	5/16" tube bender	11/16"
60375	3/8" tube bender	15/16"
60377	1/2" tube bender	1-1/2"
60378	5/8" tube bender	2-1/4"
60379	3/4" tube bender	3"
60380	7/8" tube bender	3"

Spring Tube Bender for 1/4" to 7/8"



Specially designed YELLOW JACKET spring benders slip over soft copper and aluminum tubing during bending to help prevent tube collapse.

- Silver-plated finish.
- Conforms to Fed. Spec. GGG-B-191-a Type IV.

Mfg Part No	Description
60354	1/4" O.D. bending spring
60355	5/16" O.D. bending spring
60356	3/8" O.D. bending spring
60357	7/16" O.D. bending spring
60358	1/2" O.D. bending spring
60359	5/8" O.D. bending spring
60360	3/4" O.D. bending spring
60361	7/8" O.D. bending spring
60351	Set-6 sizes-1/4", 5/16", 3/8", 7/16", 1/2" and 5/8" O.D.

Service Wrench and Adapter



Combination service wrench with 60609 hex adapter 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.

Mfg Part No	Description
60609	Hex key adapter
60610	60613 service wrench and 60609 adapter

Sporlan Valve Wrench



Spanner end tightens packing nut around super heat adjustment stem. 1/8" square end adjusts Sporlan solenoid valves with manual lift stems as on Series B6 and E6 through MA 50. Also 3/16" square at same end for expansion valves.

Mfg Part No	Description
60617	Sporlan valve wrench

Service Wrenches



Mfg Part No	Description
60613	Straight service wrench
60618	Heavy duty service wrench
60616	Off-set service wrench
60615	Refrigeration wrench for large valves
60612	Heavy duty wrench - 7" long

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System Tools

Pinch-Off Tools



60665 will pinch off and reround 1/4, 5/16, 3/8 and 1/2" copper. 60661 pinches off copper and other lines quickly. Trigger release. 60666 is the ViseGrip® pinch-off tool.

Mfg Part No	Description
60665	Bar-style pinch-off and reround tool
60661	Plier type pinch-off tool
60666	ViseGrip RR pinch-off tool

YELLOW JACKET Hex Keys



All YELLOW JACKET hex keys from 0.050" to 5/16" are premium 8650 heat-treated steel alloy for rugged use.

Other features:

- Chamfered square cut ends for easy socket insertion
- Corrosion-resistant finish
- Patented organizer case with identifying slots that lock keys in place when not in use.

Mfg Part No	Description
60670	12 piece set with case
60669	Metric - 12 piece set with case

Safety Goggles



Helps protect your eyes against metal particles, sparks, refrigerant gases, etc. when working on HVAC&R systems. Safety goggles are recommended any time you work on a system.

Mfg Part No	Description
11002	Safety goggles
11003	Ventilated safety goggles

Max-Flow Combination Oil Pump



With the Max-Flow pump, you can smoothly pump oil into the compressor *on the down stroke* while the system is under pressure. This makes pumping easier with a positive stroke. Pumps 2.6 ounces or 78 ml per stroke.

Other features:

- Pumps against 200 psi pressure.
- Comfort-grip rubber handle. Universal stopper automatically adjusts to all standard openings in 1, 2 1/2 and 5 gallon oil containers.
- Suction transfer hose and fittings included. Connects to bottom of unit to pump oil from equipment quickly and efficiently.
- Use with alkyl-benzene, ester-based, polyol ester, mineral, and synthetic oils.

Mfg Part No	Description
77940	Improved Max-Flow combination oil pump with tubing

Max-Flow Deluxe Oil Pump



Improved for added reliability and a more powerful stroke, the Max-Flow deluxe oil pump is a high capacity unit for quick charging. Pumps 3.8 ounces (112.38 ml) per stroke.

Other features:

- Foot stand base provides support and leverage while pumping against the high pressures of a running compressor.
- Operating unit in reverse with adapter hose accessory removes oil from equipment quickly and efficiently.
- Use with alkyl-benzene, ester-based, polyol ester, mineral, and synthetic oils.
- Will pump against 250 psi pressure.

Mfg Part No	Description
77930	Max-Flow Deluxe oil pump

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