

# REFRIGERANT RECOVERY SYSTEMS

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YELLOW JACKET®

## YJ-LTE™ Refrigerant Recovery Machine

The smallest, lightest, most powerful unit in its class

Built in purge circuit eliminates the need for external equipment and makes for easy clearing at the end of the job

Superior condenser performance means the recovery tank stays cooler for a longer period of time, allowing you to recover more refrigerant without high-pressure cut-out



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 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.

**Additional Features:**

- ½ hp, twin cylinder, oil-less compressor for fast recovery of Class III, IV and V refrigerants including R-410A
- Superior condenser design and performance:
  - System designed for high load conditions
  - Keeps tank up to 10° cooler
  - Allows gravity flow of recovered liquid to recovery tank
- Easy-to-read and extremely durable 2-1/2" liquid-filled condenser pressure gauge
  - Virtually no flutter under any condition
  - Protects against damage from pressure pulses
- Single valve control panel
  - Simple operation
  - Position for either recovery or purge
- Single gauge shows tank pressure during recovery and recovery unit internal pressure during purge
- Sealed compressor crankcase to minimize refrigerant loss over the life of the compressor
- Built-in purge circuit for easy clearing at the end of each job; no extra tanks or vacuum pumps required
- Cup-style piston seals for better performance under high pressure differentials
- Quiet running compressor performance
- Lightweight at 24 pounds
- One-year warranty

**Specifications:**

Capabilities:	Vapor, liquid, push/pull
Refrigerants:	12, 22, 134a, 407C, 410A, 500, 502, and other Class III, IV and V refrigerants
Compressor:	½ hp, twin cylinder, reciprocating, oil-less
Power Source:	115V/60 Hz (95730 and 95732) 230V/50 Hz (95733 and 95738)
Amps:	8.0 (95730 and 95732) 4.0 (95733 and 95738)
High Pressure Shut-Off:	517 psi – auto reset
Operating Temperature:	40° to 122° F (4° to 50° C)
Approvals:	Performance tested by UL to ARI 740-98 (95732 - CSA C22.2 No. 120)
Weight:	24 Lbs.
Dimensions:	9.0 (w) x 11.5 (h) x 13.5 (d) in. 22.86 (w) x 29.21 (h) x 34.29 (d) cm

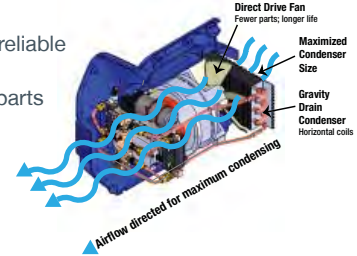
**Built-In High Side Pressure Gauge**

- 2-1/2" Liquid-filled pressure gauge shows discharge pressure during recovery and internal pressure during purge.
- 0 - 40 bar; 0 - 600 psi helps you monitor recovery.
- Durable and easy to read under any conditions.



**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



**Built-In PurgeCircuit**



- Changeover from liquid to vapor to purge
- No external equipment required
- Simple to use - move the hose and turn the selector button

**Built-In Condenser**

- 24 in<sup>2</sup> (5/16" tubes) with gravity drain
- Reliable operation in high ambient conditions

**Built-In Circuit Breaker**

- Prevents tripping of building circuit breakers

**Displacement**

- Largest displacement among lightweight recovery machines - 11.5 cc (.7 C.I.)

**Motor Speed**

- Powerful 4 pole 1725 RPM CSIR motor



95732, 95733, 95738

UPC#	Description
95730	YJ-LTE Refrigerant Recovery System
95732	YJ-LTE CSA Refrigerant Recovery System
95733	YJ-LTE 230V/50-60 Hz (Euro and UK plug)
95738	YJ-LTE™ 230V/50-60 Hz (AU/NZ plug)
95560	1/4" M x F Filter Fitting

Designed and assembled in the U.S.A.

**YJ-LTE RECOVERY RATINGS**

(UL* ARI - 740-98) Vacuum Level: 15 inHg								
	Lbs./min.				Kg./min.			
	Vapor	Push/Pull	Liquid	High Temp Vapor	Vapor	Push/Pull	Liquid	High Temp Vapor
R-22	0.37	9.17	6.83	0.28	0.17	4.16	3.10	0.13
R-407C	0.30	10.05	7.53	N/A	0.14	4.56	3.42	N/A
R-410A	0.35	10.91	9.27	N/A	0.16	4.95	4.20	N/A

\* UL and ARI tests are only one way to evaluate recovery speed, and rates are a "level field" comparison method. In other testing conditions, units can exhibit much higher rates.

## RecoverXLT® REFRIGERANT RECOVERY MACHINE



95760


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

The CPR (Constant Pressure Regulator) valve automatically reduces the pressure of the refrigerant being recovered – regardless of which refrigerant – without slugging the compressor.



Turn the single control valve to “liquid” or “vapor” settings, and the machine will complete recovery while you work on other aspects of the job.

*Convenient cord storage*

- Single valve control for easy changeover from liquid to vapor to purge
- Constant Pressure Regulator (CPR) valve regulates refrigerant to the compressor. Eliminates the need for technician to throttle the suction valve
- 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 13" of vacuum. Unit will automatically restart if system pressure rises
- Indicator signals “recovery complete”
- Quiet running with components nested to reduce vibration and noise. Oil-less compressor is inherently quiet
- Controls and gauges inset for protection and angled for easy access and viewing
- 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
- “On-the-fly” purge with simple turn of a knob to remove residual refrigerant and help prevent cross-contamination
- High efficiency fan keeps air moving across condenser for cool running even in hot weather
- High strength HDPE case for lightweight and rugged use. Rounded corners help protect from nicks and scrapes
- Single high pressure safety switch - external circuit breaker
- Includes three-year compressor warranty
- Made in the USA 
- Tested by UL to ARI 740-98

UPC#	Description
95760	RecoverXLT 115V/60 Hz
95762	RecoverXLT with tank overfill switch 115/60 Hz
95765	RecoverXLT 110V/50 Hz (IEC 60309 plug)

## RecoverXLT2-AP™ REFRIGERANT RECOVERY MACHINE

The drive to lower global warming potential refrigerants with increased flammability has necessitated the evolution of the market leading YELLOW JACKET® RecoverXLT™ recovery machine: The new RecoverXLT2-AP™ Refrigerant Recovery Machine with twin cylinder 1/2 hp oil less compressor and gravity drain condenser. The unique “ambient pressure switch” and three meter power cord comply with the current safety requirements. The RecoverXLT2-AP is specifically designed for the new lower GWP refrigerants including R-32, R-1234yf and R1234ze as well as the most common CFC, HFC and HFO refrigerants, including R-22, R-404A, R-407, R-410A, R-448A and R-449A.

- 1/2 hp, twin cylinder, oil-less compressor for fast recovery of Class III, IV and V refrigerants including R-32, R-1234yf and R-1234ze.
- Safe venting of case interior prior to start up.
- Low pressure switch stops recovery above ambient pressure for leaking systems to prevent pulling air into recovery cylinders.
- Low pressure bypass for recovery of leak-free systems.



UPC#	Description
95764	RecoverXLT2-AP Refrigerant Recovery System 230V/50-60 Hz (Euro, UK, NZ and Australian plug)*

\*Not tested and approved for use in the U.S.A.

# RecoverX REFRIGERANT RECOVERY MACHINE



95700

Building on the performance and success of the original YELLOW JACKET RecoverX Recovery Machine, the RecoverX is a cost-effective solution for smaller systems and push/pull applications.

- Maximum air flow and cool running even in high ambient temperatures. High efficiency fan keeps air moving across condenser
- High strength HDPE case for lightweight and rugged use. Rounded corners help protect you and your customers from nicks and scrapes
- Whisper-quiet 1/6 hp oil-filled reciprocating hermetic compressor charged with polyol ester oil. Oil drain port for easy maintenance
- Controls and gauges inset for protection and angled for easy access and viewing
- High pressure switch with automatic reset and external circuit breaker
- Made in the USA
- Tested by UL to ARI 740-95

UPC#	Description
95700	RecoverX 115V/60 Hz

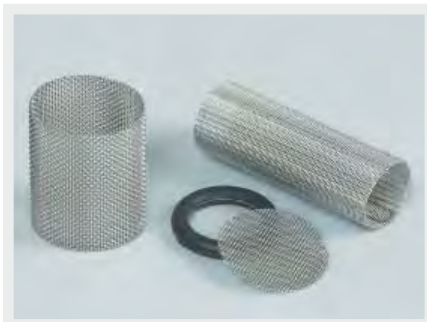
## RECOVERY MACHINE COMPARISON CHART

Features	RecoverX #95700	RecoverXLT #95760/95762	RecoverXLT2-AP #95764**	RecoverXLT #95765								
Recovery capabilities	Vapor and push/pull	Vapor, liquid, push/pull	Vapor, liquid, push/pull	Vapor, liquid, push/pull								
Compressor	1/6 hp oil-filled hermetic	1/2 hp oil-less	1/2 hp oil-less	1/2 hp oil-less								
Weight	29.0 lbs. (13.15 kg)	32.6 lbs. (14.78 kg)	32.6 lbs. (14.78 kg)	32.6 lbs. (14.78 kg)								
Size L x W x H inches Size L x W x H mm.	19.3 x 12.4 x 12.5 490 x 315 x 317	19.3 x 12.4 x 12.5 490 x 315 x 317	19.3 x 12.4 x 12.5 490 x 315 x 317	19.3 x 12.4 x 12.5 490 x 315 x 317								
Refrigerant compatibility	12, 22, 134a, 407C, 500, 502, MP and blends	12, 22, 134a, 407C, 410A, 500, 502, HP, MP and blends	32, 1234yf, 1234ze, 22, 404A, 407, 410A, 448A, 449A and more	12, 22, 134a, 407C, 410A, 500, 502, HP, MP and blends								
Volts/Hertz	115V/60 Hz	115V/60 Hz	230V/50-60 Hz	110V/50 Hz								
Tank overflow sensor	No	95760 No / 95762 Yes	No	No								
Low pressure shut-off sensor	No	Standard	Standard	No								
Inlet mesh filter screen	Included	Included	Included	Included								
Inlet filter dryer	Optional filter available for use on contaminated and burn-out systems; use a filter of adequate size (P/N 95014).											
Suction and discharge pressure gauges	Standard	Standard	Standard	Standard								
Upgraded higher suction and discharge pressure gauges	No	Standard	Standard	Standard								
Upgraded single higher pressure switch	No	Standard	Standard	Standard								
External circuit breaker	Standard	Standard	Standard	Standard								
Plug	U.S.	U.S.	Euro, UK, AU and NZ	IEC 60309								
Warranty	1 year parts and labor	1 year parts and labor; 3 years compressor	1 year	1 year parts and labor; 3 years compressor								
Certified to ARI standard	ARI 740-95	ARI 740-98	ARI 740-98	ARI 740-95								
Testing agency	UL	UL	UL	UL								
CUL listed	Yes	Yes	Yes	No								
CE marked	No	No	Yes	Yes								
<b>Applicable ARI standard</b>	<b>740-95</b>			<b>740-98</b>			<b>740-98</b>			<b>740-95</b>		
<b>Recovery rating in lbs./min.</b>	<b>Vapor</b>	<b>Push/Pull</b>	<b>Liquid</b>	<b>Vapor</b>	<b>Push/Pull</b>	<b>Liquid</b>	<b>Vapor</b>	<b>Push/Pull</b>	<b>Liquid</b>	<b>Vapor</b>	<b>Push/Pull</b>	<b>Liquid</b>
R-12	0.24	10.43	N/A	0.33	13.49	1.98	0.22	8.99	1.32	0.22	8.99	1.32
R-22	0.29	8.77	N/A	0.33	13.49	1.98	0.22	8.99	1.32	0.22	8.99	1.32
R-134a	0.20	9.33	N/A	0.33	13.49	1.98	0.22	8.99	1.32	0.22	8.99	1.32
R-410A	N/A	N/A	N/A	0.48	12.21	1.68	0.32	8.14	1.12	N/A	N/A	N/A
R-500	0.24	9.66	N/A	0.33	13.49	1.98	0.22	8.99	1.32	0.22	8.99	1.32
R-502	0.24	7.61	N/A	0.59	13.58	2.65	0.39	9.05	1.77	0.39	9.05	1.77
<b>Recovery rating in kg./hr.*</b>	<b>Vapor</b>	<b>Push/Pull</b>	<b>Liquid</b>	<b>Vapor</b>	<b>Push/Pull</b>	<b>Liquid</b>	<b>Vapor</b>	<b>Push/Pull</b>	<b>Liquid</b>	<b>Vapor</b>	<b>Push/Pull</b>	<b>Liquid</b>
R-12	6.60	283.80	N/A	9.00	367.20	54.00	6.00	244.80	36.00	6.00	244.80	36.00
R-22	7.80	238.80	N/A	9.00	367.20	54.00	6.00	244.80	36.00	6.00	244.80	36.00
R-134a	5.40	253.80	N/A	9.00	367.20	54.00	6.00	244.80	36.00	6.00	244.80	36.00
R-410A	N/A	N/A	N/A	13.20	332.40	45.60	8.80	221.60	30.40	N/A	N/A	N/A
R-500	6.60	262.80	N/A	9.00	367.20	54.00	6.00	244.80	36.00	6.00	244.80	36.00
R-502	6.60	207.00	N/A	16.20	369.70	72.00	10.80	246.40	48.00	10.80	246.40	48.00

\*ARI tests are only one way to evaluate recovery speed. In other testing conditions the units can exhibit much higher performance rates. ARI rates are a "level field" comparison method.  
 \*\*Rates do not include 95764. Calculated recovery ratings for this product can be found at [www.yellowjacket.com](http://www.yellowjacket.com)

RECOVERY MACHINES  
 VACUUM PUMP SYSTEMS  
 VACUUM AND CHARGING HOSES  
 HOSE ADAPTERS, VALVES AND PARTS  
 CHARGING SYSTEMS  
 GAUGES  
 WIRELESS AND ELECTRONIC INSTRUMENTS  
 HEATING INSTRUMENTS  
 LEAK MONITORS AND DETECTORS  
 SYSTEM TOOLS

## PARTS FOR R 50A, R 60A, R 70A, R 100



Mesh particulate filter for YELLOW JACKET recovery machines remove particles to protect units. Easy to clean and reuse or replace.

UPC#	Description
95134	Screens R 70a Series (4 pak)
95136	Screens R 80a, R 100 Series (4 pak)
95139	Screens R 60 and R 60a Series (4 pak)
95141	Screens RST (4 pak)
95342	Replacement brass bulkhead fitting for R 60a and R 70a
95343	Replacement "O" ring for R 60a and R 70a (3 pak)
95538	R 60 solid state TOS board

## WRAP-AROUND HEATER FOR REFRIGERANT CYLINDER

- Fits 30, 50 and 125 lb. cylinders
- Thermostat controlled with maximum 130°F (54°C) and minimum 120°F (48.8°C) (surface temperature of tank)
- Cycles on/off to maintain surface temperature
- 200 watt, 115V or 230V
- 20" velcro straps and 6' cord



UPC#	Description
68848	Wrap-around cylinder heater 115V
68849	Wrap-around cylinder heater 230V

## RECOVERY BURNOUT FILTER FOR DIRTY SYSTEMS

UPC#	Description
95014	Recovery filter

## SIGHT GLASS



Use with YELLOW JACKET RecoverX and RecoverXLT machines. Indicates when all liquid has been recovered so you can switch immediately to vapor cycle and speed up the recovery process. 1/4" flare x 1/4" female flare.

UPC#	Description
41145	Sight glass with 1/4" connections

## THE TRAP SEPARATOR

High porosity filter effectively traps sealant, dye and lubricant so only pure refrigerant exits to your recovery equipment. Filter replacement is easy in less than five minutes.



UPC#	Description
38087	The Trap Separator - 1/4" flare fittings
38081	Replacement filter pak



## REFRIGERANT RECOVERY CYLINDERS FOR R-410A

These gray and yellow 30 and 50 lb. cylinders feature "Y" valve for liquid/vapor, 400 psi rating and 3/4" plug for a float switch.

UPC#	Description
95002	30 lb. 400 psi cylinder DOT 400
95007	50 lb. 400 psi cylinder DOT 400
95012	30 lb. 400 psi cylinder DOT 400 with float switch
95013	50 lb. 400 psi cylinder DOT 400 with float switch

High capacity in-line filter drier removes moisture and oil breakdown products, as well as acid from burnt out systems. Attaches directly to refrigerant recovery system with a 1/4" female and a 1/4" male connection. UL and CSA listed.



## PARTS FOR RECOVERX AND RECOVERXLT

UPC#	Description
95156	Circuit breaker (12 AMP)
95190	Capacitor (115V Machine)
95187	Relay (115V Machine)
95188	Shorting cap for umbilical cord
95210	Large cord strain relief bushing
95215	Power cord (U.S.)
95216	Rocker switch
95218	Oil-less compressor 115V/60 Hz
95248	Umbilical cord overfill sensor
95294	Fan clip
95325	High pressure switch
95338	Low pressure switch
95449	Compressor bracket grommet (5 pak)
95451	High pressure gauge
95452	Low pressure gauge
95453	Manifold assembly
95528	CPR valve
95455	Fan blade
95457	Replacement filter screen
95477	TOS LED strip assembly
95527	Solid state TOS board
95538	R 60 solid state TOS board

## COMPRESSOR SERVICE PARTS FOR OIL-LESS MODELS

UPC#	Description
95121	Compressor kit for oil-less units
95122	Eccentric and bearing assembly for R 60/R 60a, R 70a, XLT
95124	Compressor service kit for R 100
95125	Eccentric and bearing assembly for R 100
95126	Compressor overhaul kit for R 100
95230	Head and valve plate assembly for oil-less machines
95269	Connecting rod for R 100 0.600 stroke
95287	Connecting rod for R 60a, R 70a and XLT 0.750 stroke