

RECOVER LOST TIME

The smallest, lightest, fastest and most reliable recovery machine found anywhere in the world!

Anybody can say they are the "fastest." We can prove it!

Pro-Set® TR21 certified ARI recovery rates are shown below as well as online at UL <http://database.ul.com>. Compare them to other brands (competing machines are listed on our website) **NOBODY is FASTER or MORE RELIABLE!**



TR21

FEATURES & BENEFITS:

- Weighs only 25 lbs!
- Fastest ARI recovery rates in its class, best speed-to-weight ratio in the industry!
- Revolutionary "vacuum pump" style design.
- Five unique patented and patent pending design elements
- Vapor or liquid recovery, including R-410A
- Extremely compact and easy to carry

TR19, TR21, TR22 SERIES SERVICE KITS		
Item	Description	Where Used (Series)
TR21X1	Valve Rebuild Kit	All TR Recovery Machines
TR21X3	TR21 Piston/Connecting Rod Replacement	
TR19X1	TR19 Complete Rebuilt Kit	TR19
TR19X2	Eccentric Crank Set	
TR21X4	TR21 Complete Head Replacement	TR19, TR21, TR22
TR21X2	Complete Rebuild Kit	TR21, TR22
TR21X5	Eccentric Set	



Premium Brass Fittings

*Verified UL Flow Rate @ 60Hz (Reduce 15% for all 50Hz models)

TR21 SERIES REFRIGERANT RECOVERY RATES				
Refrigerant	Direct Vapor	Direct Liquid	Push - Pull Liquid	High Temp Vapor Rate
R410a	.70 lb/min (0.32 kg/min)	11.94 lb/min (5.41 kg/min)	31.7 lb/min (14.3 kg/min)	n/a
R22	.59 lb/min (0.27 kg/min)	8.86 lb/min (4.02 kg/min)	31.52 lb/min (14.3 kg/min)	0.39 lb/min (17 kg/min)
R134a	.49 lb/min (0.22 kg/min)	7.8 lb/min (3.54 kg/min)	25.66 lb/min (11.64 kg/min)	n/a
R407c	.53 lb/min (0.24 kg/min)	9.50 lb/min (4.31 kg/min)	29.14 lb/min (13.22 kg/min)	n/a

*Evaluated for performance in accordance with Sec. 608 of the Clean Air Act (Feb 29, 1996) using AHRI-740-98 test methods. Results shown available at database.ul.com.

RECOVERY EQUIPMENT SPECIFICATIONS

Model #	TECH-SET®			PRO-SET®									
	TR19	TR19C	TR19S	TR21	TR21C	TR21S	TR21E	TRS21 Ignition Proof	TR22	TR22C			
Voltage	115V (60Hz)		220-240V (50 Hz)	115V (60Hz)		230 V 50 Hz 1PH	220-240 V 50Hz 1PH		115V (60Hz)				
Motor Size (Horsepower)	1 HP												
Overload Protection	15 Amp		10 Amp	NA			10 Amp		15 Amp				
Power Consumption	550W			1000W				850W					
Two Cylinder, Oil-less Reciprocating Compressor	✓												
ON-Off Power Switch	✓												
Spark Proof Starting Components	✗			✗				✓	✗				
High Pressure Shut-Off (Psig/bar)	550 Psig (38 bar)	450 Psig (31 Bar)	550 Psig (38 bar)	550 psig	450 psig	550 psig	525 psig (38 bar)	550 Psig (38 bar)	550 Psig (38 bar)	450 Psig (31 Bar)			
Selectable Manual OR Automatic Shut-Off Mode Settings	Auto Reset High Pressure Switch			Auto Reset High Pressure Switch			Manual Reset	Auto Reset High Pressure Switch					
Tank Overfill Switch Kit	✗			Optional	Optional	Optional	✗	✗	✓	✗			
Maximum Flow Rate @ 60 Hz (Reduce 15% for 50 Hz)	Direct Vapor	Up to 1.2 lb/min (33 kg/hr)			Up to 2.5 lb/min (67 kg/hr)								
	Direct Liquid	Up to 9.5 lb/min (260 kg/hr)			Up to 12 lb/min (271 kg/hr)								
	Push-Pull Liquid	Up to 20.3 lb/min (550 kg/hr)			Up to 34 lb/min (922 kg/hr)								
AHRI 740 Class Refrigerants	Class III	R-12, R-134a, R-22, R-401A, R-401B, R-401C, R-402A, R-402B, R-404A, R-406A, R-407A, R-407B, R-407C, R-407D, R-407E, R-407F, R408A, R-409A, R-410A R-411A, R-411B, R-412A, R-500, R-502, R-507A, R-509A			R-12, R-134A, R-401C, R-406A, R-500		R-12, R-134a, R-401C, R-406A, R-500, R-1234yf/ze, R-22, R-401A/B, R-402B, R-407C/D/E/F, R408A, R-409A, R-411A/B, R-412A, R-502, R-509A, R-402A, R-404A, R-407A/B, R-410A/B, R-507A		R-12, R-134A, R-401C, R-406A, R-500		R-22, R-401A/B, R-402B, R-407C/D/E/F, R-408A, R-409A, R-411A/B, R-412A, R-502, R-509A		
	Class IV				R-22, R-401A/B, R-402B, R-407C/D/E/F, R-408A, R-409A, R-411A/B, R-412A, R-502, R-509A		R-22, R-401A/B, R-402B, R-407C/D/E/F, R-408A, R-409A, R-411A/B, R-412A, R-502, R-509A		R-22, R-401A/B, R-402B, R-407C/D/E/F, R-408A, R-409A, R-411A/B, R-412A, R-502, R-509A		R-22, R-401A/B, R-402B, R-407C/D/E/F, R-408A, R-409A, R-411A/B, R-412A, R-502, R-509A		R-22, R-401A/B, R-402B, R-407C/D/E/F, R-408A, R-409A, R-411A/B, R-412A, R-502, R-509A
	Class V				R-402A, R-404A, R-407A/B, R-410A/B, R-507A		R-402A, R-404A, R-407A/B, R-410A/B, R-507A		R-402A, R-404A, R-407A/B, R-410A/B, R-507A, R-32		R-402A, R-404A, R-407A/B, R-410A/B, R-507A		R-402A, R-404A, R-407A/B, R-410A/B, R-507A
ASHRAE/ISO Class A2, A2L and A3	✗			✗				R1234yf, R32, R290, R600, R601, R1276	✗				
Operating Temperature Range	32°F to 120°F (0°C to 49°C)												
Cleanable, 100-Mesh Screen Filtration (Into Suction Port)	✓												
High Pressure Cutout LED	✓												
Heavy Gauge Aluminum Chassis	✓												
Skid Resistant Rubber Feet	✓												
Power Cord Length, Type	6 Ft.												
Dimensions (W x L x H)	6" x 12" x 9" (15cm x 30cm x 23cm)												
Weight	18.7 lbs (8.5 kg)			24.3 lbs (11.0 kg)									
Approvals	UL, CE, CSA, TUV												
Warranty (Years)	1												