



FOR INDUSTRY PROFESSIONALS



TP-RM1 REFRIGERANT RECOVERY MACHINE

Technical Support

Contact the Sales Center from where the product was purchased for technical support.

Acme Refrigeration
www.acmeref.com
(800) 324-1258

CE USA
www.carrierenterprise.com

East Coast Metals
www.ecmdi.com

Homans Associates
www.homans.com

Peirce Phelps
www.peirce.com
(800) 324-2304

Baker
www.bakerdist.com
(844) 289-0033

DASCO Supply
www.dascosupply.com

Gemaire
www.gemaire.com
(888) 601-0038

N&S Supply
www.nssupply.com
(845) 896-6291

TEC
www.tecmungo.com
(708) 418-7900

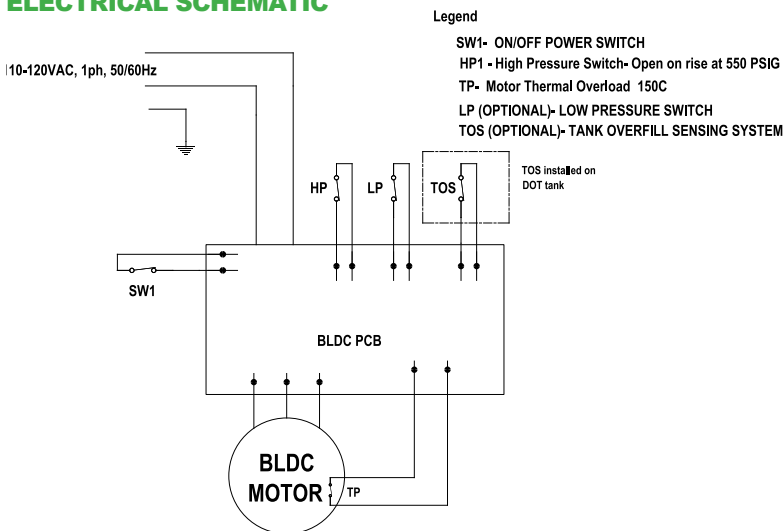
MODEL		TP-RM1 (115V)
REFRIGERANTS	AHRI740 Class III* (120 - 169 PSIG @ 105F Liquid Saturation)	R12, R134a, R401C, R406A, R500
	AHRI740 Class IV* (170 - 269 PSIG @ 105 F Liquid Saturation)	R22, R401A/B, R402B, R407C/D/E/F, R408A, R409A, R411A/B, R412A, R502, R509A
	AHRI740 Class V* (270 - 355 PSIG @ 105 F Liquid Saturation)	R402A, R404A, R407A/B, R410A/B, R507A
Power Supply	100-120 VAC 50/60Hz	
Motor Power	3/4 HP	
Motor Type	Variable Speed Brushless DC, 1800-2300 RPM	
Maximum Current	8.0 AMPS	
Compressor Type	1 Cylinder Oil-less Reciprocating, Air Cooled	
High Pressure Cutout (Manual Reset)	550 PSIG	
Operating Temperature Range	32F to 120F	
Dimensions	13.75" x 8.75" x 11.75"	
Weight	19.0 lbs.	

AHRI740-2016 Performance Data certified by UL				
Refrigerant	Direct Vapor	Direct Liquid	Push – Pull Liquid	High Temp Vapor Rate
R410a	.264 lb/min	7.72 lb/min	20.95 lb/min	N/A
	(.12 kg/min)	(3.50 kg/min)	(9.50 kg/min)	
R22	.308 lb/min	6.60 lb/min	20.28 lb/min	0.286 lb/min
	(0.14 kg/min)	(3.00 kg/min)	(9.20 kg/min)	(.13 kg/min)
R134a	.286 lb/min	4.50 lb/min	17.64 lb/min	N/A
	(0.13 kg/min)	2.04 kg/min)	(8.00 kg/min)	



Evaluated for performance in accordance with Sec. 608 of the Clean Air Act (Feb 29, 1996) using AHRI-740-2016 test methods.

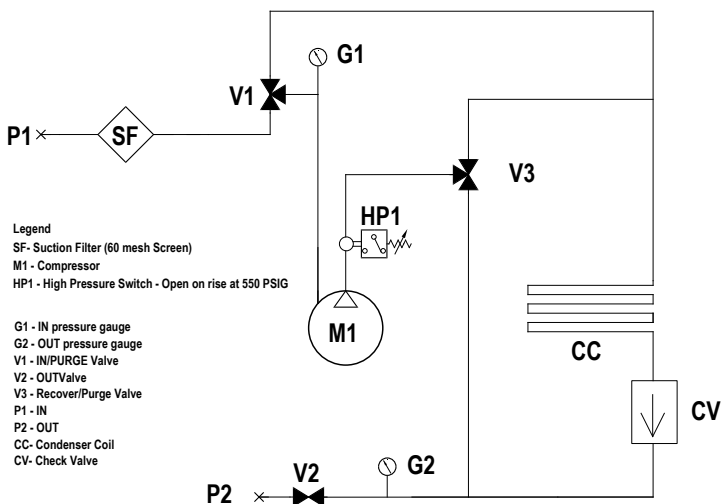
ELECTRICAL SCHEMATIC



TROUBLE SHOOTING CHART

PROBLEM	POSSIBLE CAUSE	SOLUTION
Machine will not turn ON	Machine not properly plugged in or no power at power source	Check power cord to ensure properly plugged into power source and IEC IN
	High pressure switch activated	Push manual HP reset button
	Main PCB failure	Replace PCB
Recovery process is slow	Plugged IN filter	Check IN port filter, clean or replace
	Valve core on system not fully depressed	Check core depressor on connecting hoses
	Compressor seals are worn	Replace piston seals
Machine does not pull a vacuum	Loose hose connections on IN Side	Tighten hose connections
	Compressor seals are worn	Replace piston seals
Machine will not turn ON	High Pressure Switch Activated	Push HIGH PRESSURE SWITCH RESET button
		Check OUT PRESSURE, if over 500 PSIG, relieve pressure below 400 PSIG; Then push HP RESET button
Machine will not turn ON	Lock rotor detected	Check compressor mechanism for lock up; check cylinder for drop valve

PLUMBING SCHEMATIC



TP-RM1

The TP-RM1 rabbit single cylinder recovery machine is used to recover a variety of refrigerants in a wide array of refrigerant equipment including civil and commercial air conditioning, refrigerators, heat pumps, and screw centrifugal chiller units. Refrigerants that can be recovered using this recovery machine include R-12, R-22, R410A, R407, R-134a, R-401c, R-406a, and R-500. This recovery machine is designed with a single cylinder.

FEATURES

- Oil-less compressor technology
- Lightweight 19lb machine
- Purge valves to prevent cross contamination of refrigerants
- Hi torque brushless DC Motor
- Built-in electronic control for motor protection
- Manual high pressure cut-out switch, 550 PSIG
- Highly visible low and high side pressure gauges
- Serviceable inlet filter screen
- Sealed crank case with equalizer channel
- Wobble piston design with serviceable piston seals
- Direct liquid or vapor recovery positions on the input valve

