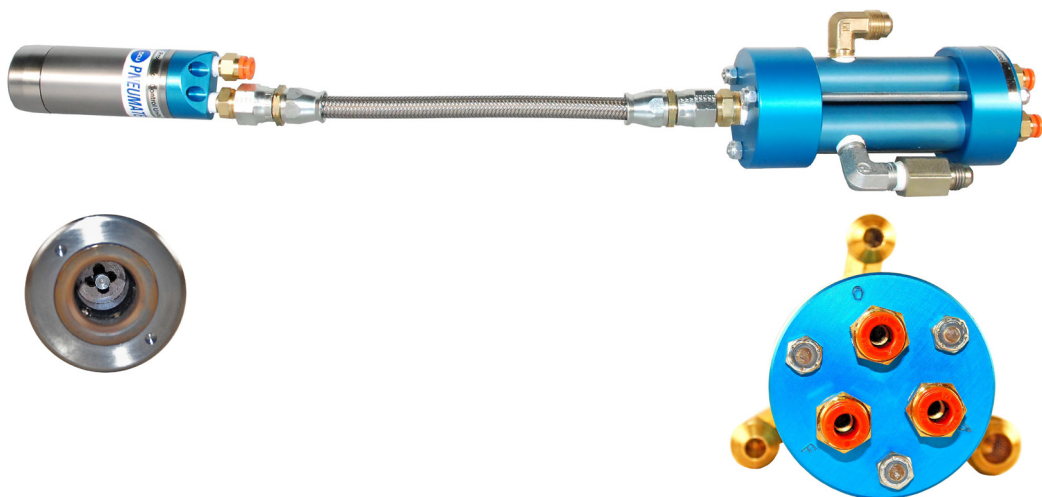




## Series 130 Evacuation & Refrigerant Charging Tool With Power Coupler

### FEATURES

- Minimum refrigerant loss
- Minimal connection force
- Semi-Automatic operation, upon connection to fitting
- High vacuum and refrigerant and oil flow rates
- Air operated poppet valves
- Lightweight
- Separate Refrigerant and oil vacuum connections



Reduce labor content and minimize emission of refrigerant to the atmosphere!

The Series 130 Charging Tool is the interface adapter for a refrigerant/oil charging system. It is designed for direct connection to quick-connect HFC-134a A/C high-side process fittings for evacuation and refrigerant/oil charging, with de minimis refrigerant loss to atmosphere.

Tool valve operation is controlled automatically after the operator positions power coupler on the process fitting and starts cycle. Charging machine cycle includes evaluation, vacuum check, and refrigerant charging. After cycle completion, power coupler will automatically unclamp and operator will remove from high side fitting.

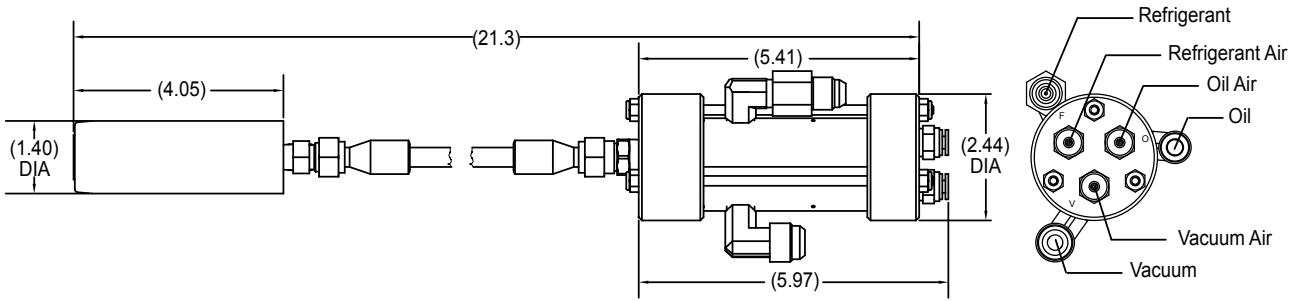
The Power Coupler clamping mechanism used is the time proven Ball Lock method. The eight hardened steel balls which are constrained in the charge gate body are secured onto the ball groove taper on the process fitting by the locking sleeve. Securing the balls on the taper assures positive force on the nose seal.

The Series 130 Charging Tool is designed to operate with Mass Flowmeter Refrigerant Charging System. Tools with automatic clamping are available. Please contact PCU Engineering for further information.

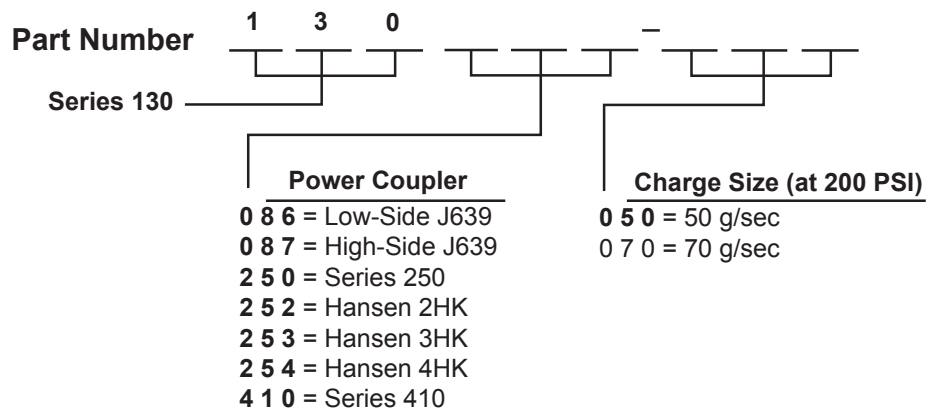
The tool contains three separate fluid circuits, controlled by air pilot pressure, which may be used for vacuum, refrigerant, salvage, oil, or any other fluid.

Save money with the PCU Series 130 Charging Tool. Contact our Order Department at (1-937-299-5594) with your application and equipment specifications.

# Series 130 Evacuation & Refrigerant Charging Tool With Power Coupler



\* Power coupler 086 & 087 shown for other configurations and multiple poppet valves, please contact PCU Engineering for dimensions and availability.



**STANDARD STOCK PART NUMBER: 130087-050 (50 g/sec)**

**Refer to PB047 for Series 130 with Manual Coupler**

## TECHNICAL SPECIFICATIONS:

Weight	3.6 lbs (1.6 kg)
Vacuum range	0–760 TORR (0–760 mmHg)
Refrigerant	HFC-134a
Oil	Polyolester or PAG
Standard Charge Rate	.50 g/s
Max Refrigerant Pressure	.200 psig @ 70 psi air
	.300 psig @ 80 psi air
	.400 psig @ 90 psi air
	.500 psig @ 100 psi air
Vacuum port fitting	1/2" JIC flare
Refrigerant	3/8" JIC flare
Oil Port Fitting	3/8" SAE flare
Power Coupler	Low-Side 109006-001
	High-Side 102750-001

Air pilots	(Vacuum, Refrigerant, Oil)
Air supply pressure	70 PSIG (4.9 kg/cm <sup>2</sup> )
Air port fittings	1/4" dia. one touch connectors
Tool Valve Block Flow Capacity (Refrig., Vacuum, Oil)	.036Cv (Typical) for low-side
	.041Cv (Typical) for hi-side
Process fitting compatibility	SAE J639
Process fitting nose seal	Molded Seal
Process fitting clamp system	PCU BalLoc
Oil compatibility	Polyolester or PAG

## PATENTS:

Patent Pending



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