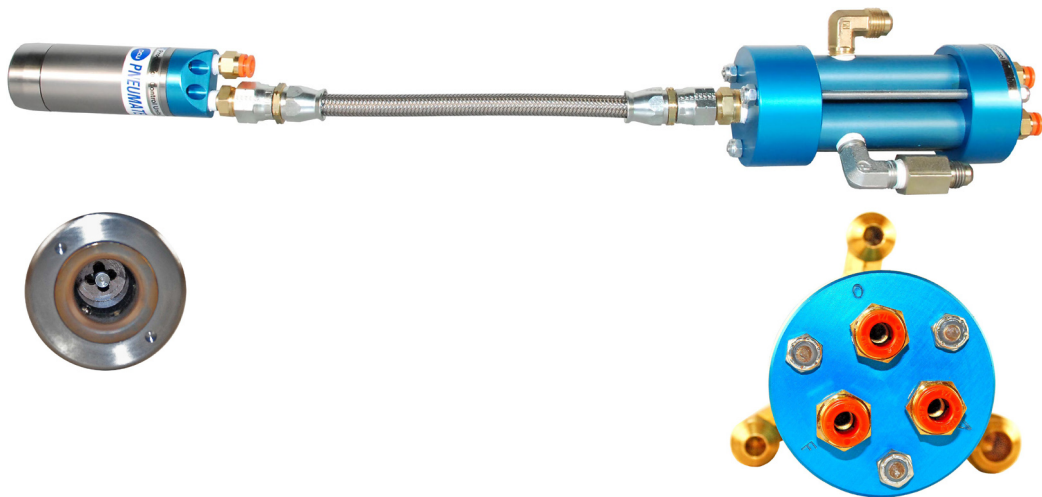




## Series 130 Evacuation & Refrigerant Charging Tool With Power Coupler

### 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 deminimis 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.

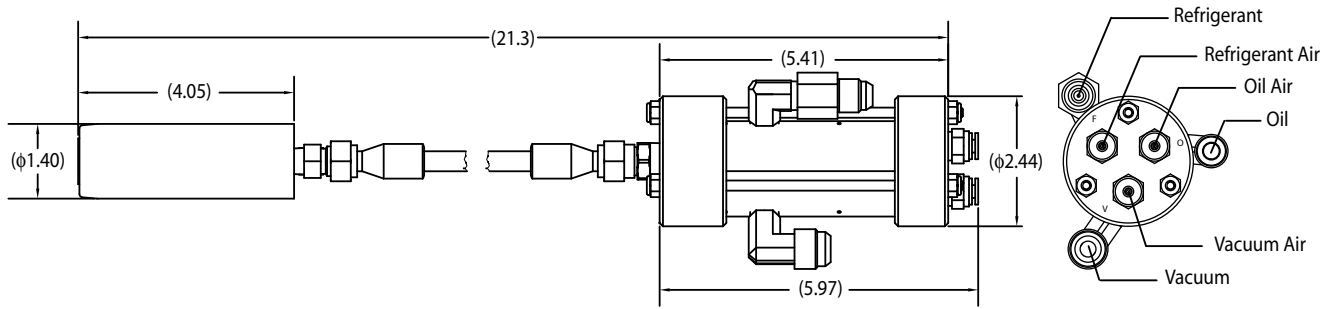
The Power Coupler clamping mechanism used is the time proven Ball Lock method. The eight hardened steel balls which are constrained in the charge gate body are secured onto the ball groove taper on the process fitting by the locking sleeve. Securing the balls on the taper assures positive force on the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

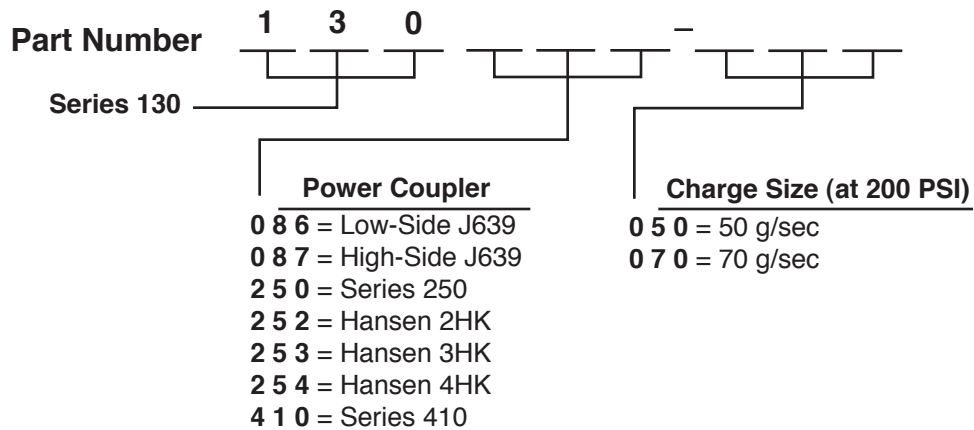
The tool contains three separate fluid circuits, controlled by air pilot pressure, which may be used for vacuum, refrigerant, salvage, oil, or any other fluid up to 520 psig.

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  
     Opens with pressure air @ 70 psig  
 Oil . . . . . Polyolester or PAG  
     Opens with pressure air @ 70 psig  
 Standard Charge Rate . . . . . 50 g/s  
 Maximum Refrigerant Pressure . . . . . 520 psig  
 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)  
     . . . . . 0.36Cv (Typical) for low-side  
     . . . . . 0.41Cv (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



## Production Control Units, Inc.

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