

STERLING

pcu

Pneumate Series 101 Model 86 Powered Coupler

FEATURES

- Evacuation & Charging
- Automatic disconnect capability
- Automatic operation, upon connection to fitting
- High vacuum and refrigerant flow rates
- Air operated
- Lightweight



**J639 Low Side
Vacuum & Charge**



The Production Control Units Pneumate Powered Coupler is the interface adapter for evacuation systems. The Pneumate Process Coupler is designed for easy installation on to the HFC-134a low side process fittings. Use the Pneumate Part Number 109006-001, for evacuation or refrigerant charging, with de minimus refrigerant loss to atmosphere from the coupler with the additional benefit of automatic disconnect at cycle completion.

Coupler operation is controlled automatically by the process equipment. The operator only has to locate the Coupler on the process fitting. The process equipment then causes the coupler to clamp, seal, and initiate the cycle including evacuation, vacuum check or refrigerant charging. After cycle

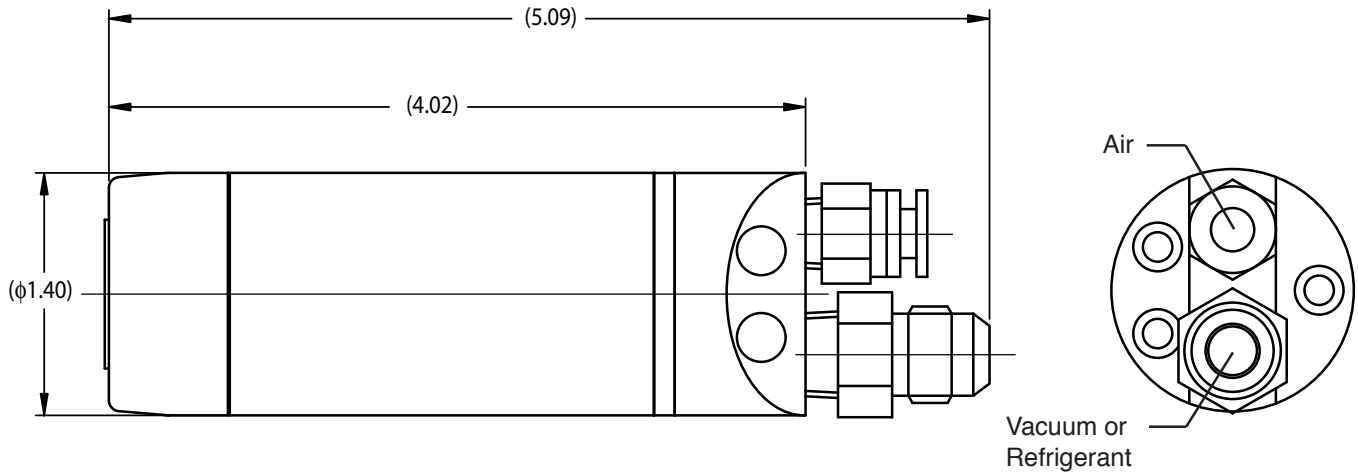
completion the process fitting seal is reseated and the coupler disconnects.

The clamping mechanism used is the time proven ball lock method. The six 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 Pneumate Process Charging Coupler can be easily adapted to all PCU "PLC" or relay controlled charging equipment or application to other competitive evacuation systems. Electrical controlled pendant or mechanical air valve available to suit your application.

Contact our Order Department (1-937-299-5594) to find out how our PCU Process Couplers can save you time and money.

Pneumate Series 101-Model 86 Powered Coupler



STANDARD STOCK PART NUMBER: 109006-001

TECHNICAL SPECIFICATIONS:

Weight	1.15 lbs (0.5 kg)	Stem extension.....	7.8mm to 8.3mm
Vacuum range	ATM - 10 microns	Process fitting nose seal	M o l d e d
Vacuum flow	2.8 SCFM	Process fitting clamp system	PCU BalLoc
Refrigerant HFC-134a at 600 PSIG max (42kg/cm ²)		Oil compatibility.....	Polyolester or PAG
Refrig/Vacuum port fitting	3/8" JIC Flare		
Air pilot	Clamp Air		
Air supply pressure	60 PSIG (4.2 kg/cm ²)		
Air port fitting.....	1/4" dia. one touch connectors		
Process fitting compatibility	SAE J639		
Flow Rate	0.41 Cv		

* Please contact PCU Engineering for custom power couplers to fit your application.



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