



Series 107 Models 250 and 410 Powered Coupler

FEATURES

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



Model 250



Model 410

The Production Control Units Series 107 Powered Coupler is the interface adapter for evacuation and charging systems. The Pneumate Process Coupler is designed for easy installation on to Series 250 or Series 410 Nipple.

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.

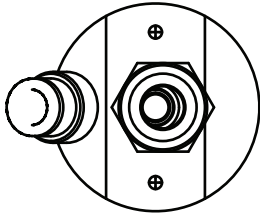
The six hardened steel balls which are constrained in the charge gate body are secured onto the ball groove taper on the process fitting by the locking sleeve. Securing the balls on the taper assures positive force on the nose seal.

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.

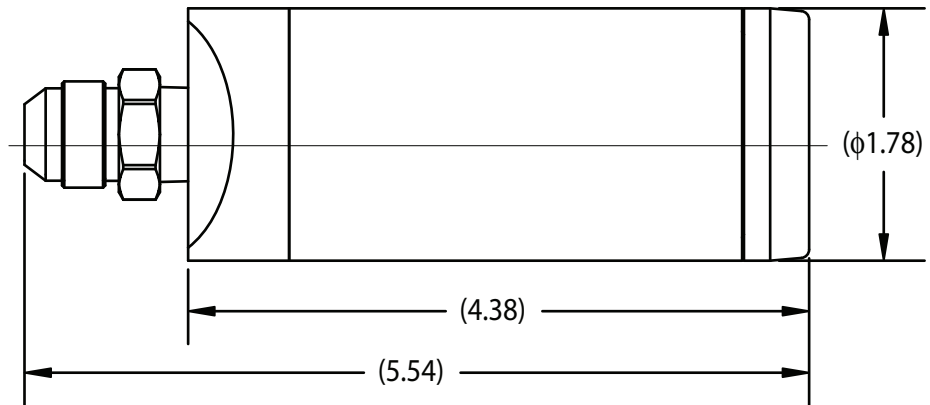
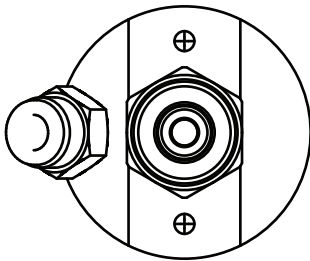
Contact our Order Department (1-937-299-5594) to find out how our PCU Process Couplers can save you time and money.

Series 107-Models 250 and 410 Powered Coupler

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TECHNICAL SPECIFICATIONS:

Weight for 250 1 lbs (0.45 kg) Weight for 410 1.55 lbs (0.7 kg)	Process fitting compatibility Series 250 or 410 Nipple
Vacuum range ATM - 10 microns Max. Fluid Pressure..... 300 PSIG max (21kg/cm ²) Fluid/Vacuum port fitting for 250.....3/8" JIC Flare Fluid/Vacuum port fitting for 410..... 1/2" JIC Flare	Flow Rate for 250 0.6 Cv Flow Rate for 410 1.08 Cv
Air pilot Clamp Air Min. Air supply pressure 70 PSIG (4.9 kg/cm ²) Air port fitting..... 1/4" dia. one touch connectors	Process fitting nose seal O - R i n g Process fitting clamp system PCU BalLoc
	Standard Seal compound Buna-N (Nitrile)
	Oil compatibility.....Polyolester or PAG

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



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