



ACCESSORIES Catalog



PCU Production Control Units, Inc.

2280 West Dorothy Ln., Dayton Ohio 45439-1892, USA

Phone: 937-299-5594 • FAX: 937-299-3843 • www.pcuinc.com



**We specialize in custom Couplers
to suit your application.**




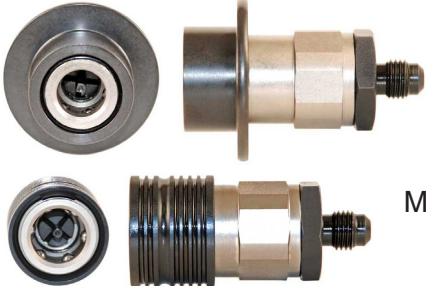
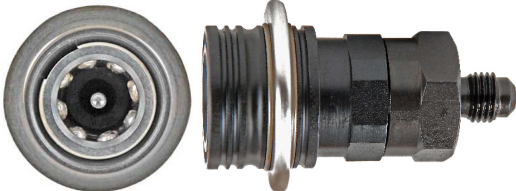

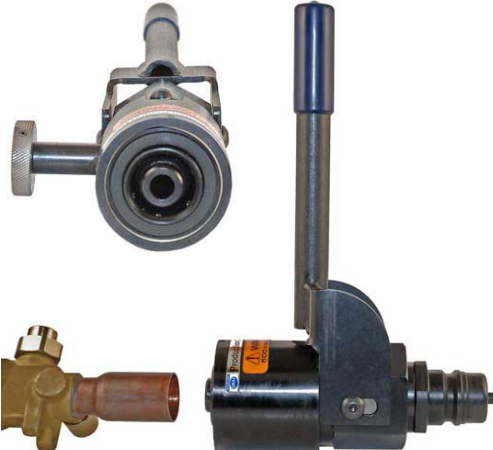



 <p>Series 250</p>	 <p>Series 410</p>
 <p>Series 500</p>	 <p>Model 86</p> <p>Model 87</p> <p>Series HFC-134a</p>
 <p>Series 25-Model EPF</p>	 <p>Series 91</p>
 <p>Series 98</p>	 <p>Series 93</p> <p>Series 10</p>
 <p>Series 250 Evac & Charge</p>	 <p>Power Coupler</p>

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Production Control Units, Inc.-Coupler Products

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PCU Web Site: www.pcuinc.com - E-mail: couplers@pcuinc.com

Coupler Application Data Inquiry

Company _____ Phone # _____

Contact _____ Fax # _____

Address _____ E-mail _____

City _____ State _____ Country _____ Zip _____

Type & brand name for current coupler _____

Customer product manufactured _____

Type of coupler required

Size and type of tube or port to be sealed _____

☐ Straight ☐ Swaged ☐ Expanded ☐ Other _____

Length of tube or port available for coupler _____

Quantity required _____

Delivery due date _____

How will the coupler be used?

Refrigerant processing

What type of refrigerant? (HFC-134a, HP62, R-22, etc.) _____

Oil processing

What type of oil (Mineral, Polyol Ester, PAG, etc.) _____ (Attach MSDS)

Leak Burst testing

Maximum pressure & type of test media? (Air, Helium, etc.) _____

Vacuum

What level of vacuum needs to be achieved? _____

What Oil be present during vacuum pump down? _____

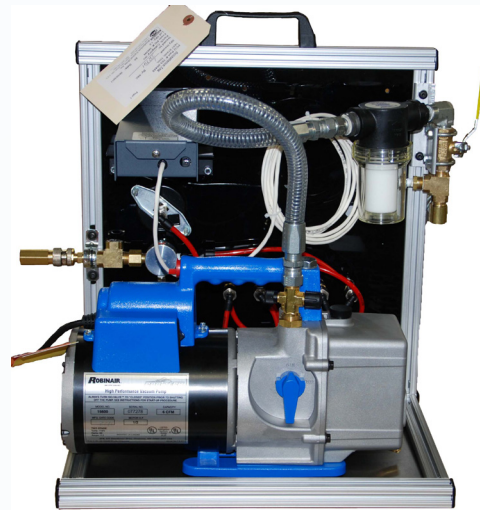
If "yes", what type of oil? _____

Additional process information

Along with your request for quote, please provide (1) copy of print showing area to be sealed, and (3) quality sample parts.



Computest 2004 Tool Test Machine



FEATURES:

- Full Testing Capability
- Light Weight, Portable
- Connects to Standard 120vac/15a outlet
- Universal Applications
- Operates Using existing Compressed Air

COMPUTEST 2004

The Computest 2004 is ideal for bench use, light weight and portable with a small profile. It has full testing capability for validating fill head functionality and uses existing compressed air service providing a nominal 100psig. The Computest 2004 connects to any standard 120vac/15a outlet. It is universal for all PCU and other manufactures' fill heads, adapters and fill tools.

Features	
Vacuum Pump	5 CFM 2-Stage - Rotary Vane
Vacuum Controller	VRC
Test Capability	Air, Vacuum

TECHNICAL SPECIFICATIONS:

Weight (approximate) 16 lbs. (7.3kg)
Vacuum Indicating Range 0.01–50.00 Torr
Vacuum Pump 4 Torr Max
Air Regulator 0 - 100psig (Max 300 psig)
Temperature Operating Range 0° - 50°C (32° - 122°F)

UTILITIES REQUIRED:

Electrical Power 10/120vac 15a 50/60HZ
Factory Air Supply 100 PSIG (7.03kg/cm²)

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Test Bottle Fittings SAE J-639

FEATURES

- SAE J639 Compatible
- HFC-134a
- Long Life Heat Treated Housings
- Low Maintenance
- Interchangeable Components



High-Side
High-Flow

P/N 102519-001



High-Side
10 mm Core

P/N 102519-010



Low-Side
8 mm Core

P/N 102519-016



Low-Side
Schrader Core

P/N 47791



High-Side
Schrader Core

P/N 45264

PCU Standard Test Bottle Fittings utilize heat-treated parts for long life and all designs comply with SAE J-639 standard for HFC-134a refrigerant ports.

PART # 102519-001 High-Side

High-flow fittings provides a large flow rate with a flow coefficient of Cv 0.7. High-flow fittings are quickly repairable and utilize standard series 250 components. The simple interchangeability allows quick seal change or a quick change to a different style of end-cap. High-flow fitting can be modified for slower flow rates to comply with your application. Please contact PCU Engineering for your application requirements.

PART # 102519-010 High-Side

High-side 10 mm core provides a typical flow coefficient of Cv 0.4. Two piece long-life construction makes use of heat-treated outside housing and 10 mm Schrader-Bridgeport valve core.

PART # 102519-016 Low-Side

Low-side 8 mm core provides a typical flow coefficient of Cv 0.26. Two piece long-life construction makes use of heat-treated outside housing and 8 mm Schrader-Bridgeport valve core.

PART # 45264 High-Side

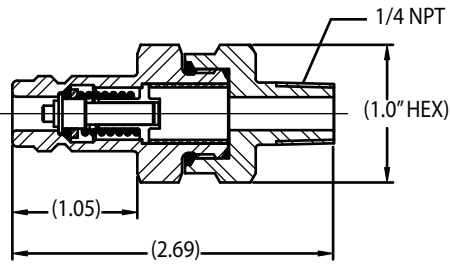
High-side schrader core provided a typical flow coefficient of 0.31 Cv. Aluminum Construction is for low usage applications.

PART # 47791 Low-Side

Low-side schrader core provided a typical flow coefficient of 0.28 Cv. Aluminum Construction is for low usage applications.

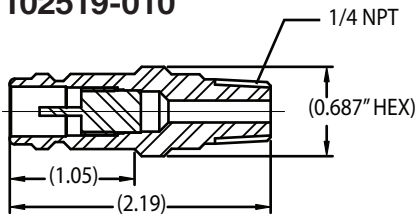
Test Bottle Fittings SAE J-639

102519-001



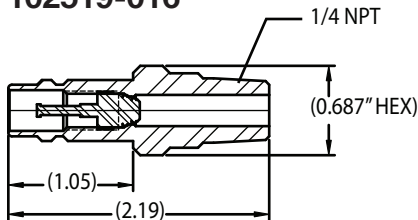
P/N	ITEM
102518-001	Body
61824	Spacer
61825	Perch
61840	O-Ring Retainer
61844	Stem
61645	End Cap
61879	O-Ring, End Cap
61880	O-Ring, Valve
69004	Spring
97013	O-Ring, End Cap

102519-010



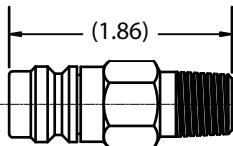
P/N	ITEM
317-47791	Valve Core
102518-004	Body

102519-016



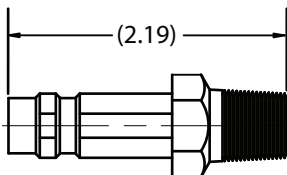
P/N	ITEM
317-47792	Valve Core
102518-005	Body

45264



P/N	ITEM
45263	End Cap
317-45264	Fitting

47791



P/N	ITEM
47790	End Cap
317-47790	Fitting
OR011-134a	O-Ring



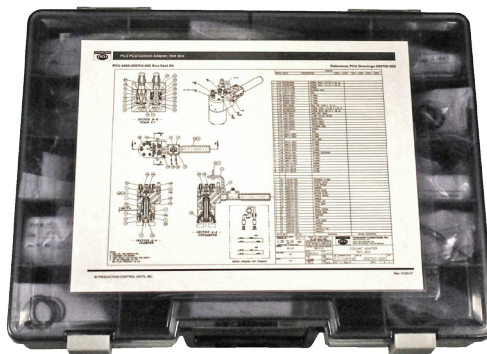
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FEATURES

- Easy Storage
- Easy Access
- Keeps Seals Contaminate Free



The Production Control units box and tool kits provide convenient storage and easy access to seals. Each seal size is contained in its own compartments along with required hand tools to rebuild tools. Kits include drawings of seal kit, tool assembly, and exploded view if applicable.

Box Kits include 10 rebuild kits for routine tool rebuilds.

Tool Kits includes one seal kit, hardware, fittings and high wear components and hand tools.

PCU Engineering will customize rebuild kits to fit your needs.



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WE SPECIALIZE IN CUSTOM COUPLERS & TOOLING TO SUIT YOUR APPLICATION.

			
Series 25	Series 86	Series 87	Series 91
			
Series 93	Series 98	Series 100 & 101	Series 109
			
Series 250	Series 410	Series 500	Series 250 Evac & Charge
			
Series 13000	Series 104	Series 106	Series 106 Adapter

Call our Coupler & Specialty Tooling Team for more information.

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Web Site: www.PCUInc.com Email: couplers@PCUInc.com