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HVACR TOOLS & TEST EQUIPMENT PRODUCT CATALOG

Just some of the reasons to choose CPS®:

| ELECTRONIC LEAK DETECTION |
|----------------------------------|
| UV LEAK DETECTION |
| CHARGING SCALES |
| CHARGING STATIONS |
| ELECTRICAL & SPECIALTY METERS |
| TEMPERATURE & SYSTEM MEASUREMENT |
| VACUUM GAUGES |
| VACUUM PUMPS |
| RECOVERY EQUIPMENT |
| SERVICE MANIFOLDS & GAUGES |
| VACUUM / CHARGING HOSES |
| HOSE ADAPTERS & VALVES |
| BRASS ADAPTERS, FITTINGS & |
| VALVE CORE TOOLS |
| TUBING TOOLS |
| SPECIALTY HAND TOOLS |
| BRAZING & SOLDERING |

PG 01 - 04 PG 05 - 06 PG 07 - 10 PG 11 - 12 PG 13 - 15 PG 16 - 20 PG 21 - 23 PG 24 - 29 PG 30 - 35 PG 36 - 58 PG 59 - 62 PG 63 - 64 PG 65 - 68 PG 69 - 76 PG 77 - 81 PG 82 - 84

The Leader in Intuitive Innovation.

You already work hard. CPS tools are designed to help you work smarter, too—and to get more done, quickly. And while everybody wants to be "innovative," few launch as many new products each year or can use "patent pending" as a descriptor as often. That's because we make most of what we design at our 100,000 sq. ft. headquarters in Hialeah, Florida. So you get American engineered tools and equipment—at reasonable pricing. Use your hands. Use your head. CPS designs for both.

CDS® WHAT YOU NEED NEXT.

1306

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LEAK DETECTION INDUSTRY LEADING SENSITIVITY

C n

Visit us Online at www.cpsproducts.com

CPS

LEAK DETECTION

LS1 & LS2 are PATENTED CPS® PRODUCTS

8,555,701

LS2 (Featuring E_Mos Sensor Technology)

LEAK-SEEKER®

Electronic Leak Detectors

KEY FEATURES:

- Microprocessor controlled sensor electronics utilizing a multi channel signal detection method, improves sensitivity while reducing false alarms.
- Patented E_MOS detection technology incorporates a proprietary pulse modulation design to increase both battery and sensor life.
- Software managed sensor rejuvenation mode, automatically initiated at each start up ensures the highest level of sensitivity every use, for up to 500 hours of detecting leaks of less than .1 oz per year.
- The LS2 is the world's only leak detector with fully automatic sensitivity selection and control.
- Meets or exceeds all US and International standards for both automotive and commercial use
- Superior sensitivity to R410A and new HFO refrigerants
- Sensitivity to 35 parts per million (less than .1 oz per year)
- Detects 5% Hydrogen Trace Gas Mixture.
- 50 hour battery life (3 C batteries)
- 500 hours sensor life

| Spare | Spare Parts for E_Mos™ Sensors | | |
|--------|---|--|--|
| Item | Description | | |
| EM0S2 | Replacement Sensor for LS1 & LS2 | | |
| LS2XF | Replacement Sensor Filters for LS1 & LS2 (10-Pk) | | |
| LS2XVF | Replacement Vapor Filter Sensing Tip for LS1 & LS2 | | |





| Specifications | LS1 | LS2 |
|---------------------|---|---|
| Detector Type | Patented E_MOS Detection Technology | Patented E_MOS Detection Technology |
| Sensitivity | Better than a 0.1 oz / year (3g / year) | Better than a 0.1 oz / year (3g / year) |
| Operation Selection | Manaul Operation | Fully Automatic |
| Visual Display | Visual Tachometer-like bar graph display w/ Eight High Intensity LEDs | Visual Tachometer-like bar graph display w/ Eight High Intensity LEDs |
| Flex Probe | 15.5" flexible probe for hard to reach areas | 15.5" flexible probe for hard to reach areas |
| Operating Temp | -18 to 60°C (0 to 140°F) | -18 to 60°C (0 to 140°F) |
| Power | 50 hour battery life (3 C batteries) | 50 hour battery life (3 C batteries) |
| Weight | 1 lb 2 oz (500 g) | 1 lb 2 oz (500 g) |
| Warranty | 1 years | 2 years |
| | | |



F-Gas Compliant (ENG 14624:2005) LS1 & LS2 SPECIFICATIONS

CPS® ELECTRONIC LEAK-SEEKER® LS1 & LS2

CPS Products has raised the bar for leak detectors. The revolutionary new E_MOS technology developed by CPS is more sensitive, stable and accurate than any other detection method on the market, including heated diode, corona, ultrasonic and halide torches. Introducing the Leak Seeker II, simply turn it on and pinpoint the leak.

LS1 (Featuring E_Mos Sensor Technology)

Call and Speak to a Sales Rep: 305-687-4121 / 1-800-277-3808

LEAK DETECTION

CPS® ELECTRONIC LEAK-SEEKER® LS790B

Combines the most advanced microcomputer circuitry with field proven lon-pump sensor technology creating a highly sensitive, accurate electronic refrigerant leak detector. Over 100 computer generated tones and a high intensity bar graph display guickly alerts the user to varying halogen concentrations. Patented automatic calibration design eliminates the need for manual balance or tick rate adjustments while the user selectable 10 sensitivity ranges enables the LS790B to detect leaks of all refrigerants.



Visual Alarm Indicators



Patented Ion-Pump® Sensor

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|----------------|------|
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| | (YL) |
| MADE IS U.S.A. | - |



F-Gas Compliant (ENG 14624:2005)

| Specifications | LS790B |
|---------------------|---|
| Detector Type | Patented lon-Pump sensor with built-in selective filter housing |
| Sensitivity | Better than 0.25oz/yr (7g/yr) leak rate of HFC |
| Audible Alarms | 128 computer generated tones to precisely guide the user to the source of the leak. |
| Operation Selection | 6 button keypad |
| Visual Display | High Intensity Bar Graph Display |
| Flex Probe | 18" / 45.7cm long metal flex probe |
| Operating Temp | -18 to 60C (0 to 140°F) |
| Power | 40 hours batter life using 4 "AA" alkaline batteries. |
| Weight | 1lb 2oz / 500g |
| Warranty | 2 years |
| | |



Spare Parts for LEAK-SEEKERS®

| 1= LS780A | A 2 = LS780B | 3=LS790A | 4=LS790B | 5 = LS1&LS2 |
|-----------|--------------|---|-----------------|--------------|
| Item | Product | Description | | on |
| LSXB | 1,2,3,4 | Batte | ry compartme | nt cover |
| LSXBMK | 2,4 | Maintenan | ice Kit: (1)LSX | S + (1)LSXSF |
| LSXC | 1,2,3,4 | Lea | ather carrying | case |
| LSXC3 | 5 | Storage case LS1 & LS2 | | & LS2 |
| LSXE | 1,2,3,4 | Earphone | | |
| LSXMK | 1,3 | Maintenance kit 2 pcs/St. LSXS + 2 pcs/St. LSXVF | | |
| LSXS3 | 5 | Sensor for LS1 & LS2 | | & LS2 |
| LSXS | 1,2,3,4 | lon-pump sensor | | sor |
| LSXSF | 2,4 | Selective filter/housing | | ousing |
| LSXSH | 1,3 | Aluminum Sensor housing | | housing |
| LSXVF | 1,3 | I | Water vapor fi | lter |

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|---|---------------------------|---|
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| | ATTRIBUTION LIAN MONITOR- | |
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| Item No. | Refrigerant Type | Replacement Sensor |
|----------|------------------|--------------------|
| RM12 | R-12 | RMX12 |
| RM134 | R-134 | RMX12 |
| RMX11 | R-22 | RMX12 |
| RM404 | R-404A | RMX12 |
| RM407 | R-407 | RMX12 |
| RM410 | R-410A | RMX12 |
| RM502 | R-502 | RMX12 |
| RM507 | R-507 | RMX12 |
| | | |
| Item No. | Refrigerant Type | Replacement Sensor |
| RMX11 | R-12 | RMX12 |
| RMX12 | R-134 | RMX12 |

| SENSITIVITY | 100 to 1,000 ppm |
|-----------------------------|--|
| ACCURACY | \pm 3% of the setting or \pm 25 ppm |
| VISUAL ALARMS | High intensity LED display |
| AUDIBLE ALARM | 85 db at 1 foot |
| OPERATING TEMPERATURE | -20 to 150 F /-28 to 65 C |
| SENSOR MODULE | Relative Humidity 10 to 95% non-condensing |
| CONTROL MODULE | 32 to 150 F / 0 to 65 C |
| POWER | AC or DC control voltages. |
| SENSOR FAILURE INDICATOR | LED constantly illuminates |
| WEIGHT | 1lb 2oz / 500g |
| WARRANTY | 1 year |
| | A State of the state of the state of the |

Refrigerant Monitors

Compact, highly reliable, yet economical refrigerant leak monitoring systems. Designed to monitor a single refrigerant in a single zone providing early warning of costly and environmentally damaging refrigerant leakage. Adjustable sensitivity settings between 100 to 1000PPM with an auxiliary 1/2 HP N.O. and N.C dry contact control function for operating an additional alarm or other safety device. Replacement sensors are interchangeable enabling the replacement of a failed sensor directly in the field without recalibration, minimizing "downtime."

GAS-SEEKER[®] GS40 - Portable Combustible Gas Detector

The GS40 is a low maintenance, easy-to-use portable combustible gas leak detector engineered to pinpoint leaks in residential, commercial and industrial appliances. Advanced semiconductor sensor and electronic control package enables detection of gases commonly found in service applications including; Carbon Monoxide, Natural Gas, Propane, Ammonia, Methane, Acetone, Hydrogen and Iso-Butane, with a virtually instantaneous alarm response period. Applications include the inspection of furnaces, valves, regulators, pipelines, meters and other devices associated with combustible gases.

| Detecting Range | 0 - 100% LEL referenced to Methane. |
|------------------------|---|
| Alarm Indication | Both visual and audible (>40db) alarm indicators |
| Low Level Alarm | Preset at 10% LEL |
| High Level Alarm | Preset at 30% LEL |
| Operating Conditions | 0°F to 104°F / -20°C to +40°C at less than 98% RH (non-condensing) |
| Power | Working voltage is 3VDC using two 1.5V AA batteries. |
| Battery Life/Indicator | 5 hrs continuous use. Orange LED constantly illuminates when battery is low |
| Sampling | Natural diffusion |
| Dimensions | 7.2 x 0.71in / 183 x 18mm |
| Weight | 5.3oz / 150g (including battery) |
| | |



Call and Speak to a Sales Rep: 305-687-4121 / 1-800-277-3808

RM

SPECIFICATIONS

UV LEAK DETECTION VISUAL LEAK INSPECTION



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Why BLUE is NOT Necessarily Cool?

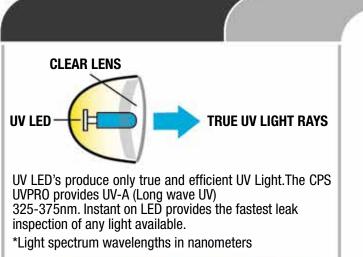
A correctly tuned Ultra Violet (UV) lamp should predominantly emit invisible UV light waves with only a trace of visible "purple" or "blue" light. The small amount of visible light is required to direct the user's eyes to the leak search area, while the invisible UV light rays actually illuminate the leaking dye. Lamps that emit large amounts of visible blue light have been marketed heavily as being more powerful and more effective at fluorescing leaks, backed by the obvious high output of visible light. Knowing that UV dye additives requires invisible true UV light rays to effectively fluoresce dispels this claim altogether. In fact, special "blue blocking" glasses are required for use with these high output blue lamps in order to remove the nuisance blue light from the vision of the user during the leak search process. Otherwise, the high output of light will mask the actual leak or illuminating dve additive.

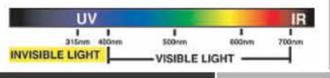


UVPRO UV Flashlight & Enhancing Glasses

The new and improved UVPRO light is the most compact and efficient UV light we have ever designed. The nine high intensity true UV LED's are specifically engineered to maximize the fluorescing capabilities of today's most commonly used dyes while greatly reducing the amount of "nuisance" background blue light emitted. Its rugged anodized aluminum body and o-ring sealed battery compartment allows it to handle harsh field conditions while small enough to conveniently fit in your pocket.

- 9 True UV emitting LED technology
- Rugged anodized aluminum body
- Works with all common dye additives
- Ultra Compact and lightweight
- Instant "ON" with no heat produced
- Operates on (3) AAA batteries (included)





UV55 LED Refrigerant Leak Detection Kit

- UVPRO True UV emitting LED light technology
- Compact & Rugged anodized aluminum body
- Mess-free and easy to use Squeeze Gun[™] injector
- 1 UVS2 universal OEM approved dye cartridge
- Includes 90° low side snap coupler
- Operates 8 continuous hours on (3) AAA batteries (included)

UV55 Includes: UVPRO LED flashlight, squeeze gun injector w/ hose, R-134a 90° low coupler, safety glasses, UVS2 dye cartridge and carrying case.

Call and Speak to a Sales Rep: 305-687-4121 / 1-800-277-3808

COMPUTE-A-CHARGE® CHARGING SCALES

WORTH THEIR WEIGHT IN COLD



Visit us Online at www.cpsproducts.com

CHARGING SCALES



Born in the USA:

CPS designs and manufactures its own products in the United States, resulting in engineering excellence, as well as consistent, industry leading quality and reliability.

KEY FEATURES:

- Operates in the international ISM band for worldwide use.
- Advanced communication software ensures uninterrupted connectivity between hand-held display unit and scale platform.
- Calibrated to strict NIST Standards at our manufacturing facility in Hialeah, FI.
- Accuracy specification exceeds all OEM requirements for charging accuracy and is twice as good as any competitive unit on the market.
- Temperature compensated over the entire operating temperature range to maintain charging accuracy under all ambient conditions.
- Selectable measurements in Imperial or Metric units.
- Designed to withstand overloads of 150%.
- High contrast wide angle LCD Display for ease of viewing.
- Designed and manufactured in the USA

CPS® PROGRAMMABLE WIRELESS REFRIGERANT CHARGING SCALES :

CPS Products proudly introduces its new line of cordless RF charging scales including the world's first fully automatic programmable RF controlled unit featuring set it and forget it software. For over 27 years Compute-A-Charge has been the brand you can trust for performance accuracy and reliability.

| | Market and a state of the state | |
|-----------------------|--|--|
| Specifications | CC240RF | CC840RF |
| Working load capacity | 240 lbs (110kg) | 240 lbs (110kg) |
| Operating Temperature | 14°F to +122°F / -10°C to +50°C | 14°F to +122°F / -10°C to +50°C |
| Accuracy | 0.05% of reading or \pm 0.25oz / (\pm 10g) whichever is greater | 0.05% of reading or +/- 0.25oz / (+/-10g) whichever is greater |
| Resolution | ±0.25oz / ±10 grams | ±0.25oz / ±10 grams |
| Overload Protection | Electronic and mechanical | Electronic and mechanical |
| Platform Dimensions | 10.0" x 10.0" / 25.4cm x 25.4cm | 10.0" x 10.0" / 25.4cm x 25.4cm |
| Weight | 8 lbs 15 oz. (4.00 kg) with batteries | 9.8lb / 4.5kg |
| Power | One 9V alkaline (ANSI 1604AC-IEC 6LR61) (display unit)Four AA alkaline (ANSI 15A-IEC LR6) (scale platform) | One 9V alkaline (ANSI 1604AC-IEC 6LR61) (display unit)Four AA alkaline (ANSI 15A-IEC LR6) (scale platform) |
| Battery Life | 32 hours of continuous use | 32 hours of continuous use |
| Battery Indicator | Battery symbol with 3 segment display | Battery symbol with 3 segment display |
| RF frequency range | 2.4 GHz, ISM band, can be used worldwide | 2.4 GHz, ISM band, can be used worldwide |
| RF Transmission range | 30ft / 9m | 30ft / 9m |
| Readout | Imperial / Metric | Imperial / Metric |
| Warranty | 1 year | 1 year |
| Made in the USA | Yes | Yes |
| Progamable | No | Yes |
| | State and set and | - AVILLAND |



Call and Speak to a Sales Rep: 305-687-4121 / 1-800-277-3808

CHARGING SCALES

CPS® REFRIGERANT CHARGING SCALES :

With specifications exceeding all OEM requirements for charging accuracy, Compute-A-Charge Scales are twice as good as any competitive unit on the market. The Standard Series of Compute-A-Charge scales are performance leaders in accuracy, reliability and the Standard by which all others are measured. The competition simply doesn't measure up!

HIGH CAPACITY CHARGING SCALES :

High capacity 220lb/100kg Compute-A-Charge refrigerant charging/recovery scale, calibrated to strict NIST standards. Fully enclosed and removable metal scale platform enables use of product in or out of the protective case. Large, highly visible 1 1/2" x 2"/37mm x 48mm high resolution LCD readout displays either Imperial or Metric measurements in .25oz / 10g increments. The ergonomic hand held remote incorporates 6ft coil cord, a hanging hook and is backed with a magnet for attaching to metal surfaces. Full mechanical and visual overload protection. Operates 60 continuous hours on two 9V alkaline batteries. Includes automatic off feature.

| Specifications | CC220 | CC800A | |
|--------------------------|---|---|--|
| Working load capacity | 220 lbs (100kg) | 220LB /100Kg | |
| Operating Temp | 14°F to +122°F / -10°C to +50°C | 14ºF - 122ºF / -10ºC to 50ºC | |
| Accuracy | 0.05% of reading or +/- 0.25oz / (+/- 10g)whichever is greater | 0.05% of reading or +/- 0.25oz / (+/- 10g) whichever is greater | |
| Resolution | ±0.25oz / ±10 grams | ±0.25oz / ±10 grams | |
| Overload Protection | Electronic and mechanical | Electronic and mechanical | |
| Platform Dimensions | 8 ¾" x 8 ¾" / 22.23cm x 22.23cm | 8 3/4" x 8 3/4" 223 x 223mm | |
| Weight | 5.6lb / 2.55kg | 8.5 lb/3.9 kg | |
| Power | Two 9V batteries, included | Two 9V batteries, included | |
| Battery Life | 60 hours of continuous use | 30 hours of continuous. Solenoid valve lasts for 10,000 actuations. | |
| Battery Indicator | Battery symbol with 3 segment display | Battery symbol with 3 segment display | |
| Readout | Imperial / Metric | Imperial / Metric | |
| Warranty | 1 year | 1 year | |
| Made in the USA | Yes | Yes | |
| | the second se | | |



CC220 COMPUTE-A-CHARGE

CC220

CE C N11445

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CPS® REFRIGERANT CHARGING SCALES :

With accuracy specifications exceeding all OEM requirements for charging accuracy, that is twice as good as any competitive unit on the market, the Standard Series of Compute-A-Charge scales are Performance Leaders in accuracy and reliability and the Standard by which all others are measured. The competition simply doesn't measure up!

THE ONLY CHARGING SCALE WITH 1G RESOLUTION



CC50

KEY FEATURES:

- Accuracy specification exceeds all OEM requirements for charging accuracy and is twice as good as any competitive unit on the market.
- Temperature compensated over the entire operating temperature range to maintain charging accuracy under all ambient conditions.
- Environmentally sealed strain gage beam load cell technology first introduced by CPS in 1985.
- Designed to withstand overloads of 150%.
- High contrast wide angle LCD Display for ease of viewing.
- Platform can be removed from carrying case.
- Magnetic back on handheld unit.
- Hanging hook.
- User selectable automatic power off to conserve batteries.
- Designed and manufactured in the USA

| | | 1 |
|--------------------------|---|----------------|
| Specifications | CC50 | |
| Working load capacity | 55 lbs (25kg) | |
| Operating Temp | 14°F to +122°F / -10°C to +50°C | 0 |
| Accuracy | 0.05% of reading or \pm 0.05oz / (\pm 1g) whichever is greater | CC110 & |
| Resolution | ±0.05oz / ±1 gram | % 0 |
| Overload Protection | Electronic and mechanical | CC50 |
| Platform Dimensions | 8 ¾" x 8 ¾" / 22.23cm x 22.23cm | |
| Weight | 5.6lb / 2.55kg | EC |
| Power | Two 9V batteries, included | SPECIFICATIONS |
| Battery Life | 60 hours of continuous use | ATIC |
| Battery Indicator | Battery symbol with 3 segment display | SN(|
| Readout | Imperial / Metric | |
| Warranty | 1 year | |
| Made in the USA | Yes | |
| | Landar Mark Soll And Article States | |



CHARGING STATIONS COMPACT, FULLY EQUIPPED & READY-TO-GO

Visit us Online at www.cpsproducts.com

CHARGING STATIONS

PRO-SET® PORTABLE VACUUM / CHARGING STATIONS

PRO-SET charging stations combine all the necessary tools required to perform a full system evacuation and subsequent charging in a single, compact, mobile unit. Each station includes a Vortech or BlackMax service manifold, a PRO-SET vacuum pump, a Compute-A-Charge refrigerant scale and premium charging hoses. The lightweight tubular steel frame incorporates rear wheels for easy transport to and from the job site with integrated storage areas for all components.

- Unsurpassed Charging Accuracy of ± 0.05% of reading
- Hanging ports and hooks for hose storage
- Rear wheels on Frame for Ease of Mobility
- Contains all Tools Needed for Charging / Evacuation
- All Components Store Easily on Cart







CS16DMV5D2P5E

Hard Mounted Manifolds

Rear wheels on Frame for Ease of Mobility

All Components Store Easily on Cart

| Item | Application | Manifold Type | Refrig. Scales | Press./ Temp. Scales | Hoses | Vacuum Pump | Scale |
|---------------|-------------------------------------|-------------------------------------|---|----------------------------|---|--|------------------------------------|
| CS12SMBDS5E | Appliance / Light Refrigeration | BlackMax 2 valve Manifold (MBD) | R22, R134a, R404A (2.5" / 68mm) | PSI / °F | 3-pk of 5ft / 150cm Std. BV Hoses | Single Stage 2 CFM Pump (50 microns) | 220lb Compute-A-Charge Scale |
| CS12SMBHP5E | Air Conditioning | BlackMax 2 valve Manifold (MBH) | R410A, R22, R404A (2.5" / 68mm) | PSI / °F | 3-pk of 5ft / 150cm Prem. BV Hoses | Single Stage 2 CFM Pump (50 microns) | 220lb Compute-A-Charge Scale |
| CS12DMV4H2P5E | Air Conditioning / Refrigeration | Vortech 4 valve Manifold (MV4H2) | R22, R410A, R404A, R134a (3.5" / 80mm) | PSI / °F | 3-pk of 5ft / 150cm Prem. BV Hoses | Two Stage 2 CFM Pump (10 microns) | 220lb Compute-A-Charge Scale |
| CS16DMV4H2P5E | Air Conditioning / Refrigeration | Vortech 4 valve Manifold (MV4H2) | R22, R410A, R404A, R134a (3.5" / 80mm) | PSI / °F | 3-pk of 5ft / 150cm Prem. BV Hoses | Two Stage 6 CFM Pump (10 microns) | 220lb Compute-A-Charge Scale |
| CS16DMV5D2P5E | Refrigeration | Vortech 5 valve Manifold (MV5D2) | R22, R134a, R404A (3.5" / 80mm) | PSI / °F | 3-pk of 5ft / 150cm Prem. BV Hoses | Two Stage 6 CFM Pump (10 microns) | 220lb Compute-A-Charge Scale |
| CS12DMV4TP6Q | Air Conditioning / Refrigeration | Vortech 4 valve Manifold (MV4T) | R22, R134a, R404A (2.5" / 68mm) | kPa / PSI / °C | 3-pk of 6ft / 180cm Prem. Hoses & Cplrs. | Two Stage 2 CFM Pump (10 microns) | 100kg Compute-A-Charge Scale |



ELECTRICAL & SPECIALTY METERS

Visit us Online at www.cpsproducts.com

Captures the True Motor InRush Current

Includes Built in Data Logging w/ Software

AC750 Probes

AC750 Front

ELECTRICAL & SPECIALTY METERS

AC750 DIGITAL CLAMP METER

The AC750 is a Multi-Functional AC/DC Clamp Meter. The AC750 hosts an array of enhanced features such as the ability to capture True Inrush measurements, Non-Contact Voltage Detection and Data Logging your output readings to a PC (USB Connection cable included).

| | and the second second |
|-----------------------|---------------------------------------|
| Specifications | Description |
| Display | 6000 count dual display |
| Range Control | Auto range mode |
| Battery | 9V battery one piece |
| Dimensions | 225(W) x 86(H) x 33(D) mm |
| Weight | Approx. 320g |
| | THE STATE OF AN AND ADDRESS OF A DECK |

AC750 KEY FEATURES:

- Versatile for testing AC/DC voltage, AC/DC current, resistance and frequency
- True RMS AC measurement
- Max./Min. value measurement
- Audible continuity and diode test
- Non contact voltage detection
- Integrated clamp light and LCD backlight
- Auto zero key for DCA measurement
- Auto/Manual range, auto power off
- Secondary injection molded case, safety as per IEC1010 1000V CAT III





Built in Flashlight



Extra Strength Grip Clamp

USB Data Connection

Call and Speak to a Sales Rep: 305-687-4121 / 1-800-277-3808



SPECIFICATIONS

AC750 Back

ELECTRICAL & SPECIALTY METERS

AM50 AIR VELOCITY METER

Precision vane type anemometer provides fast, accurate air velocity measurements for use in balancing HVAC systems or determining CFM calculations. A convenient TYPE K thermocouple is built-in to the remote vane providing quick measurement of grille/duct outflow temperatures from 32 to 122 F / 0 to 50 C. Included, is an easy-to-read laminated conversion chart that allows the user to quickly convert air velocity measurements into CFM calculations at a glance. Shipped with a rugged carrying case and is CE approved.



| | | | - / |
|----------------|--------|--------|------------|
| NS | UNITS | RANGE | ACCURACY |
| SPECIFICATIONS | Ft/Min | 0-8800 | ±3% or 0.1 |
| ICA | M/S | 0-45 | ±3% or 0.1 |
| CIF | km/Hr | 0-140 | ±3% or 0.1 |
| РП | knots | 0-88 | ±3% or 0.1 |
| 03 | | | |

SM150 SOUND LEVEL METER

Professional grade sound level indicator designed to measure noise levels from 35 to 130dB. The unit incorporates a large LCD, maximum hold function, Over and Under range indicator, peak and average response settings and A-C weighing for checking compliance with standard safety regulations. Applications include the monitoring of HVAC/R compressors, blowers, health and safety requirements, environmental quality issues, offices, factory machinery, airports, auditoriums and studio acoustics. Unit is CE approved and includes carrying case.

| (E C N11445 | | | | |
|--|-----------------------------|----------------------------------|--------------------------------|--------------------------------|
| | EXAMPLES | SOUND PRESSURE LEVEL dBSPL | SOUND PRESSURE N/m2 = Pa | SOUND INTENSITY watts/m2 |
| | Jet aircraft, 50 m away | 140 | 200 | 100 |
| Belleville and and | Threshold of pain | 130 | 63.2 | 10 |
| | Threshold of discomfort | 120 | 20 | 1 |
| CDS AM50 | Chainsaw, 1m distance | 110 | 6.3 | 0.1 |
| | Disco, 1 m from speaker | 100 | 2 | 0.01 |
| Thirms | Diesel truck, 10m away | 90 | 0.63 | 0.001 |
| | Curbside of busy road, 5m | 80 | 0.2 | 0.0001 |
| and the second s | Vacuum cleaner, distance 1m | 70 | 0.063 | 0.00001 |
| | Conversational speech, 1m | 60 | 0.02 | 0.000001 |
| | Average home | 50 | 0.0063 | 0.0000001 |
| VELOCITOR" | Quiet library | 40 | 0.002 | 0.00000001 |
| | Quiet bedroom at night | 30 | 0.00063 | 0.00000001 |
| | Background in TV studio | 20 | 0.0002 | 0.000000001 |
| AM50 | Rustling leaf | 10 | 0.000063 | 0.0000000001 |
| Pg 15 | Threshold of hearing | 0 | 0.00002 | 0.00000000001 |

TEMPERATURE & SYSTEM MEASUREMENT

TOOLS THAT MEASURE UP



TEMPERATURE & SYSTEM MEASUREMENT

SH450 THERMOMETER / ANALYZER

The SH450 Total Systems Analyzer is quite possibly the most versatile tool you will ever own. Measure pressure from -14.7 to 725 PSI, automatically calculate and display superheat, sub cooling, relative humidity, wet bulb, dry bulb and dew point readings in seconds. Display temperature differential between any 2 of 4 independent temperature channels. Record and display min/max readings for any channel at the touch of a button. Scan all 4 temperature channels simultaneously. The SH450 is self contained in a rugged polyethylene case with plenty of room to fit all your accessory probes.

SH450 Superheat / Subcool Specifications

| | - |
|---|--|
| Pressure Range | -14.7 PSIG to 725.0 PSIG (-100 kPa to 5000 kPa) |
| Pressure Accuracy | $\pm 1\%$ of reading or ± 0.5 PSIG (± 3.5 kPa), whichever is greater |
| Pressure Units | PSIG, kPa, BAR, Hg, kg/cm2 |
| Proof Pressure | 1000 PSI (7000 KPa) |
| Temperature Accuracy | $\pm 0.4^\circ\text{F}$ / $\pm 0.2^\circ\text{C}$ from 14.0°F to 158°F / -10.0°C to 70°C; 0.6°F / 0.3°C elsewhere in the range |
| Dew or Bubble Saturation Temperature | ±1.8°F (±1.0°C) |

SH450 Thermo-Psychrometer Specifications

| Measurement Temperature Range | -40°F to +300°F (-40°C to +150°C). Actual temp range depends on the probe being used. | | |
|----------------------------------|--|--|--|
| Temperature Resolution | ±0.1°F or °C | | |
| Temperature Accuracy | $\pm 0.4^\circ\text{F}$ / $\pm 0.2^\circ\text{C}$ from 14.0°F to 158°F / -10.0°F to 70°C; 0.6°F / 0.3°C elsewhere in the range | | |
| RH Range | 0 to 100%RH | | |
| RH Accuracy (TMX3RH) | \pm 1.8%RH from 10 to 90%RH; \pm 3% elsewhere in the range | | |
| DB Accuracy (TMX3RH) | $\pm 1.2\%$ of reading $\pm 1.0^{\circ}$ F from -40°F to 200°F ($\pm 1.2\%$ of reading $\pm 0.5^{\circ}$ C from -40°C to 90°C) | | |
| SH450 General Specifications | | | |
| Power Source | 9V alkaline battery or optional TMX3PS AC adapter for 100 to 240VAC (40 to 60 Hz) - USA Plug | | |
| Battery Life | 30hrs. continuous use | | |
| Automatic Power Off | After 10 minutes of inactivity (no key press) | | |
| Dimensions | 12" x 10" x 3" (30.5cm x 25.4cm x 7.6cm) | | |
| Weight | 3lb (1.4 kg) with probes | | |
| Warranty | 1 year | | |
| | the second se | | |



SH450 KEY FEATURES:

- 90+ refrigerant PT table built-in
- Four discrete temperature channels
- · Superheat and subcool measuring functions
- Direct relative humidity and wet bulb measurements
- Temperature differential with min/max memory
- Stainless steel pressure-vacuum sensor with a range of -14.7 PSI to 725 PSI
- Reads in PSIG, KPa, BAR, Hg, kg/cm2
- High accuracy silicon humidity transducer probe port
- Operates on 9V battery or optional wall transformer
- · Auto-off or continuous on mode
- Large, 4-digit backlit display
- Calibrated to NIST traceable standards
- Displays bubble and vapor saturation temperatures





Rugged Clamp-On Probe

Premium Build Pressure Port



TM360 KEY FEATURES:

- Four discrete temperature channels
- High accuracy silicon humidity transducer probe port
- Large, 4-digit, easy-to-read, backlit display
- Min / Max and memory functions
- Temperature differential between any 2 of the 4 temperature ports
- Direct relative humidity and wet bulb measurements
- Calibrated to NIST traceable standards
- Auto-off after 10 minutes of non-use or continuous ON mode
- Operates 30 continuous hours on 1 9V alkaline battery
- Integrated battery eliminator jack
- Rugged polyethylene carrying case
- Large probe storage area
- Switchable °C / °F



TM360 Accessory Probe (Included)

TM360

Available with the following accessory probes: 1-TMX2A, 1-TMX2S, 1-TMX2G

TM360C

Available with the following accessory probes: 1-TMX3C, 1-TMX2S, 1-TMX2A

TM360 THERMOMETER / ANALYZER

The TM360 is a professional grade thermo-psychrometer adaptable to accommodate all your temperature, humidity, dry/wet bulb and dew point measurements. The unit incorporates 4 discrete temperature ports all capable of min/max and memory functions including temperature differential between any 2 of the 4 available ports. Press the SCAN key and the display will alternate between all 4 ports in three second intervals providing continuous monitoring of multiple probe points during critical system diagnosis. A dedicated special purpose port accommodates an optional state of the art silicon humidity transducer probe for fast and accurate measurements during superheat calculations. Designed in a rugged polyethylene case the TM360 is engineered to provide laboratory accuracy in rough field conditions. A generous probe storage area is provided for housing all your job specific probes directly in the unit itself.

| | Protection and a | | | |
|---------------------------|--|---|--|--|
| TM360 | Thermo-Psychromete | r Specifications | | |
| Temperature Resolution | $\pm 0.1^{\circ}$ F or $^{\circ}$ C | | | |
| Temperature Accuracy | | ±0.4°F / ±0.2°C from 14.0 to 158°F / -10.0 to 70°C; 0.6°F / 0.3°C elsewhere in the range | | |
| RH Range | 0 to | 100%RH | | |
| RH Accuracy (TMX3RH) | | om 10 to 90%RH; here in the range | | |
| DB Accuracy (TMX3RH) | | 1.0°F from -40°F to 200°F 0.5°C from -40°C to 90°C) | | |
| | TM360 General Specif | ications | | |
| Power Source | 9V alkaline battery or optional TMX3PS AC adapter for 100 to 240VAC (40 to 60 Hz) | | | |
| Battery Life | 30hrs. co | 30hrs. continuous use | | |
| Automatic Power | Off After 10 minutes of non-use or user selectable continuous ON mode | | | |
| Backlight | 15 : | 15 seconds | | |
| Dimensions | 12" X 10" X 3" (30.5cm x 25.4cm x 7.6cm) | | | |
| Weight | 3lb (1.4 kg) with probes | | | |
| Warranty | 1 year | | | |
| | Accessory Prob | es | | |
| TMX2A | Air Probe | -40 to 221° F / -40 to 105° C | | |
| TMX2C | Pipe Clamp-On Probe | -40 to 221° F / -40 to 105° C | | |
| TMX2G | General Purpose Probe | -40 to 257° F / -40 to 125° C | | |
| TMX2P | Puncture Probe | -40 to 257° F / -40 to 125° C | | |
| TMX2RH | RH / DP Probe | -40 to 194° F / -40 to 90° C | | |
| TMX3RH | RH / WB / DP Probe | -40 to 194° F / -40 to 90° C RH range: 0 to 100% | | |
| TMX2S | Velcro Strap Pipe Probe | -40 to 257° F / -40 to 125° C | | |
| TMX2FP | Flexible Touch Probe | -40 to 221° F / -40 to 105° C | | |
| TMX2GA | General Purpose Air Probe | -40 to 257° F / -40 to 125° C | | |
| | | | | |

TEMPERATURE & SYSTEM MEASUREMENT



Temperature Range

D:S

(Distance to Spot Size)



Built in LED Light



K-Type Input



15

TMINI12

TMINI12 NON-CONTACT THERMOMETER

The TMINI12 infrared thermometer provides instant temperature measurement over a wide range of applications. The unit offers simple one-handed operation, laser point sighting, a backlit display, °C/°F select ability and an automatic power off feature.Use the TMINI12 to quickly measure temperatures of registers, ductwork, furnaces, evaporators, condensers, compresso rs, relays, manifolds, radiators, exhaust systems, thermostats, bearings and more.Leather carrying case and 9V alkaline battery are included.

TM50 ANALOG POCKET THERMOMETER

A step above the standard pocket thermometer the TM50 is packed full of features, including a user selectable temperature alarm, a countdown timer, Min/Max, °F/°C selectable and memory functions. The unit incorporates a highly accurate stainless steel 96mm puncture probe with a 4ft/122cm cord. Temperature range is -58° to 500°F / -50° to 260°C. The TM50 operates on a single AAA alkaline battery with 25 hours of battery life and a low battery indicator.



TMINI12 SPECIFICATIONS

| Emissivity | Emmisivity pre-set at 0.95 - adjustable | | |
|--|---|--|--|
| Accuracy | $\pm 2^{\circ}C$ ($\pm 4^{\circ}F$) or $\pm 2\%$ of reading | | |
| Display | Digital Backlit LCD | | |
| Resolution | 1°C/F° | | |
| Batteries / Life | (2) AAA batteries and auto power off | | |
| DIGITAL AND ANALOG POCKET THERMOMETERS | | | |
| Item No. | Description | | |
| TMDP | Digital pocket thermometer with stainless steel probe and pocket clip. Range: -58° to 302°F / -50° to 150°C | | |
| ТМАР | Analog pocket thermometer with 1" dial and Stainless steel probe and pocket clip. Range: 0° to 220°F | | |
| ТМАРС | Analog pocket thermometer with 1" dial and Stainless steel probe and pocket clip. Range: -40° to 80°C | | |
| | | | |

TMINI12 THERMOMETER SPECIFICATIONS

-76°F to 932°F or -60°C to 500°C

12:1



TMXSK TEMPERATURE PROBE

The TMXSK is the fastest and most accurate handheld K-type surface probe providing accurate readings in less than 5 seconds. The sensor is made from flat-spring ribbons of thermocouple material for contact on uneven surfaces. A ribbed handle for grip and a 3 foot coiled lead for durability and long reach. The exposed junction provides for fast response and is compatible with any other instrument with a K-Type input.

TMXSK90 TEMPERATURE PROBE

The TMXSK90 is the fastest and most accurate handheld K-type surface probe providing accurate readings in less than 5 seconds. The sensor is made from flat-spring ribbons of thermocouple material for contact on uneven surfaces. An angled head for measuring hard to reach surfaces and a 3 foot coiled lead for durability and long reach. The exposed junction provides for fast response and is compatible with any other instrument with a K-Type input.



Coiled Lead





Flat-Spring Ribbons

K-Type Accessory Probe



TMXKBEAD TEMPERATURE PROBE

The TMXKBEAD is a standard K-type bead probe ideally suited for getting fast results when measuring temperature in a variety of media. This 36" long (1 meter) probe provides accurate readings in less than 5 seconds over the range of -58°F to 400 °F (-50 °C to 204 °C).

| | | SPE |
|----------------------------|--|-----------|
| THERMOMETER SPECIFICATIONS | | |
| TMXSK90 | Max Temp: 752°F (400°C) | |
| TMXSK | Max Temp: 752°F (400°C) | ICA |
| TMXKBEAD | Max Temp: 400°F (204°C) Min Temp: -58°F (-50°C) | FICATIONS |
| | the state of the state of the | 0 |

Used as seen above on the CPS TMINI12 and is compatible with any other instrument with a K Type input.



Call and Speak to a Sales Rep: 305-687-4121 / 1-800-277-3808

Ribbed Handle

VACUUM GAUGES VALUE THAT CAN'T BE MEASURED





VACROMETER[™] DIGITAL VACUUM GAUGE

Advanced measurement instrument providing continual digital readout of evacuation process on large 5 digit LCD. Measurement units are user selectable to read in Microns, Torr, in/hg or mBar at the touch of a key.

Advanced surface mount technology automatically compensates for ambient changes in the environment ensuring accuracy and consistency in performance. Advanced field-cleanable sensor is able to withstand 400 PSI of positive pressure. Unit operates 30 hours on 9V alkaline battery with low battery indicator and auto off feature. Includes carrying case, hanging hook, AVT45, 9V battery and is CE approved.



Add vacuum measurement to your manifold with a VG201A

| VG200 VACROMETER DIGITAL VACUUM GAUGE SPECIFICATIONS | | | | |
|--|---|--|--|--|
| Туре | Self - heated thermistor bridge with integral temperature compensation from 0 to 50 $^\circ C$ (32 to 122 $^\circ F).$ | | | |
| Operating Pressure Range | Atmospheric pressure to 0 microns Maximum Working pressure: 400 PSIG | | | |
| Burst Pressure | 400 PSIG | | | |
| Operating Range | VG200- Atmospheric to 0 microns / VG100A- Atomospheric to 25 Microns | | | |
| Accuracy | +/- 10% of Reading. | | | |
| Operating Temp Range | Compensated (accuracy as stated): 0°C TO 50°C (32°F TO 122°F) Non-compensated (add +/- 0.5% error for every °C outside compensated range): 0 to 50°C (-22 to 158°F) | | | |
| Operating & Storage Humidity | 0-95%, non-condensing. | | | |
| Storage Temperature | - 40 to 185°F / - 40 to 85°C | | | |
| Power Source | One 9 volt alkaline battery (ANSI 1604AC – IEC 6LR61) | | | |
| Battery Life | 20 hours of continuous use. Instrument shuts itself off after 5 minutes of operation. | | | |
| Weight | 5.5 oz. / 153 g. excluding the battery. | | | |
| Dimensions | 68 mm. diameter by 40 mm. deep by 124 mm. overall height (2.7" dia. by 1.6" deep by 5" overall height). | | | |
| Mechanical Connection | Standard 1/4" female SAE refrigerant hose type with core depressor. | | | |
| Battery Indicator | Battery symbol with 3 segment Power Level Bar Graph. (VG200). LED Low Battery Indicator (VG100) | | | |
| | | | | |

VACUUM GAUGES

VACROMETER[™] DIGITAL VACUUM GAUGE

Compact self-contained instrument designed to provide constant indication and monitoring of the evacuation process from start to finish. Nine discrete high intensity LED's are preset to illuminate upon achieving industry standards for proper system evacuations. Advanced surface mount technology automatically compensates for ambient changes in the environment ensuring accuracy and consistency in performance. Advanced field-cleanable sensor is able to withstand 400 PSI of positive pressure. Unit operates 25 hours on 9V alkaline battery with low battery indicator and auto-off feature. Includes carrying case.



| | i i i i i i i i i i i i i i i i i i i | | | | |
|---|--|---|--|--|--|
| | VACUUM GAUGE SPARE PARTS & ACCESSORIES | | | | |
| | VGXC | Carrying case VG100A/ VG200 | | | |
| | VGXH | Hanging Hook | | | |
| | AVT87 | Adapter for VG100A/VG200. 1/4" SAE male to 1/2"-20 male to 1/2" -20 swivel female tee | | | |
| | AVT48 | Adapter for VG100A/VG200. 1/4" SAE male to 1/2" ACME male to 1/4" SAE swivel female tee | | | |
| | AVT45 | Adapter for VG100A/VG200. 1/4" SAE male to 1/4" SAE male to 1/4" SAE male to 1/4" SAE swivel female tee | | | |
| Z | | the state of the second | | | |





VG100A

CUUM GAUG

ON OF

/G100A

Add vacuum measurement to your manifold with a VG101A

AVT45 VACUUM GAUGE ADAPTER

The AVT45 is premium built brass adapter for the VG100A / VG200 and comes with a 1/4" SAE male to 1/4" SAE male to 1/4" SAE swivel female tee.

VACUUM PUMPS

LIGHT WEIGHT DESIGN HEAVY WEIGHT PERFORMANCE



CDS' 48 1/m

VACUUM PUMPS

Pro-Set® PREMIUM VACUUM PUMPS

Pro-Set Premium Series vacuum pumps are offered in single and dual stage units with versatile voltage and HP motor options. Pro-Set pumps boast the same high quality, high value features engineered into all of our Pro-Set products providing performance excellence and years of reliable service.



Universal IEC Socket w/ Dual Voltage Selector Switch



| | | 1.1.1.1.1.1.1 | | | | | | | |
|----------------|----------------------------------|--|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|--|--|
| 6 | Specifications | VP2D | VP4D | VP6D | VP8D | VP10D | VP12D | | |
| IONS | Motor Size (HP) RPM @ 50/60Hz | 1/3 (HP) 1440/1720 | 1/2 (HP) 2880/3440 | 1 / 2 (HP) 2880 / 3440 | 2/3 (HP) 2880 / 3440 | 3/4 (HP) 2880 / 3440 | 1 (HP) 2880 / 3440 | | |
| AT | Dimensions (Inches) | 12.2" x 5" x 9.6" | 13.1" x 5.5" x 10" | 13.1" x 5.5" x 10" | 14.9" x 5.7" x 10.6" | 14.9" x 5.7" x 10.6" | 14.9" x 5.7" x 10.6" | | |
| IFI(| Weight | 17.7lb / 8.0kg | 22.1 lb / 10.0 kg | 22.5 lb / 10.2 kg | 29.8 lb / 13.5 kg | 30.3 lb / 13.7kg | 30.9 lb / 14.0 kg | | |
| SPECIFICATIONS | Operating Temperature Range | 0°C (32°F) to 52°C (125°F) | 0°C (32°F) to 52°C (125°F) | 0°C (32°F) to 52°C (125°F) | 0°C (32°F) to 52°C (125°F) | 0°C (32°F) to 52°C (125°F) | 0°C (32°F) to 52°C (125°F) | | |
| E | Power Source | Dual Voltage: 110-120V / 220-240V 50/60Hz Single Voltage: 220-240V 50/60Hz | | | | | | | |
| STAGE | Oil Capacity | 11.5oz/330ml | 15.5 oz / 450 ml | 14 oz / 400 ml | 29 oz / 860 ml | 28 oz / 830 ml | 27 oz / 800 ml | | |
| DUAL S | Free Air Displacement | 2 CFM @ 60Hz, 48 I/m @ 50Hz | 4 CFM @ 60Hz, 96I/m @ 50Hz | 6 CFM @ 60 Hz, 144 I / m @ 50 Hz | 8 CFM @ 60 Hz, 192 I / m @ 50 Hz | 10 CFM @ 60Hz, 240I/m @ 50Hz | 12 CFM @ 60Hz, 288I/m @ 50Hz | | |
| D | Intake Fittings | 1/4" SAE, 3/8" SAE, and 1/2"ACME | 1/4" SAE, 3/8" SAE, and 1/2"ACME | 1/4" SAE, 3/8" SAE, and 1/2"ACME | 1/4" SAE, 3/8" SAE, and 1/2" SAE | 1/4" SAE, 3/8" SAE, and 1/2" SAE | 1/4" SAE, 3/8" SAE, and 1/2" SAE | | |
| | | DA STRATE | | | | | | | |

PREMIUM VACUUM PUMP KEY FEATURES:

- Dual voltage operation
- 2 Stages
- Exceptional ultimate vacuum ratings, 10 microns
- Advanced air cooled motor design for operation in high ambient temperatures
- Proprietary oil mist free exhaust port cap for clean, safe job environment
- Gas ballast valve speeds achievement of deep vacuum
- Also Available in 220-240V 50/60Hz

- On-Off Power Switch
- Single Stage Models also available VP2S, VP4S, VP6S
- Multiple inlet port connections
- Easy maintenance with large oil sight glass and fill port with easily accessible oil drain port
- Heavy Gauge Aluminum Chasis with rubber lined steel handle and heavy duty rubber base
- · Built in inlet check valve
- Includes 2 year warranty

Pro-Set[®] PREMIUM VACUUM PUMPS

The VP6S Pro-Set Premium Series is a 6 CFM, single stage unit with a versatile dual voltage ½ HP motor. It boasts the same high-quality, high-value features engineered into all of our Pro-Set vacuum pumps, delivering excellent performance and years of reliable service.

VG200 DIGITAL VACUUM GAUGE

The VG200 is our digital vacuum gauge designed to monitor the entire evacuation process. It uses two keys—one to turn the unit on and off, and a second key to change between MICRONS, MILLIBAR, TORR and INCHES HG VAC any time during operation.

VP6S

Check out unit variations that bring Pro-Set engineering to your specific requirements. You'll find features such as ultimate vacuum ratings as low as 50 microns, an air-cooled motor design for operation in high ambient temperatures and a proprietary mist free exhaust port cap for a clean, safe job environment.



VPXOMP PORT CAP Oil mist preventer exhaust port.



VPXJ220 PORT CAP 220 VAC jumper power cord for locations where 110 voltage is not available.





Oil Mist Port Cap



Brass T-Valve Adapter



VG200 (For use with all Vacuum Pump Models)

Large Oil Sight Glass

SINGLE STAGE SPECIFICATIONS

| Specifications | VP2S | VP4S | VP6S |
|-------------------------------|--|---|--|
| Motor Size (HP) RPM @ 50/60Hz | 1/4 (HP) 1440/1720 | 1/3 (HP) 2880/3440 | 1 / 2 (HP) 2880 / 3440 |
| Dimensions (Inches) | 12.2" X 5" X 9.6" | 12.2" x 5" x 9.6" | 13.1" x 5.5" x 10" |
| Weight | 13.7 lb/ 6.2 kg | 15.0 lb/ 6.8 kg | 18.3 lb/8.3 kg |
| Operating Temperature Range | 0°C (32°F) to 52°C (125°F) | 0°C (32°F) to 52°C (125°F) | 0°C (32°F) to 52°C (125°F) |
| Power Source | • | le Voltage: 220-240V 5 ge: 110-120V / 220-24 | |
| Oil Capacity | 16 oz/ 470ml | 16oz/ 470ml | 19 oz/ 540ml |
| Free Air Displacement | 2 CFM @ 60Hz, 48 I/m @ 50Hz | 4 CFM @ 60Hz, 96I/m @ 50Hz | 6 CFM @ 60 Hz, 144 I / m @ 50 Hz |
| Intake Fittings | 1/4" SAE, 3/8" SAE, and 1/2"ACME | 1/4" SAE, 3/8" SAE, and 1/2"ACME | 1/4" SAE, 3/8" SAE, and 1/2"ACME |
| | | ALL REAL | alt Sa |

VACUUM PUMPS

PREMIUM COMPACT SIZE PUMP



STANDARD SIZE PUMP Dual Stage VP12D PREMIUM COMPACT SIZE PUMP

PREMIUM COMPACT VACUUM PUMPS SMALL SIZE, **BIG PERFORMANCE**

KEY FEATURES:

- Single or Dual Stage Models
- Innovative compact and lightweight design
- Exceptional ultimate vacuum rating
- Advanced air cooled motor design for operation in high ambient temperatures
- Proprietary oil mist free exhaust port cap for clean, safe job environment
- On-Off power switch for the Control System
- Intake Fitting size of 1/4" SAE and 1/2"ACME
- Heavy gauge aluminum chasis with impact resistant
 plastic base

- Thermally protected motor for overload protection
- Easy maintenance with large oil sight glass and fill port with easily accessible oil drain port
- Sure grip handle ergonomically designed for superior comfort and portability
- Extremely compact and portable design
- Operating tempature range of 0 °C (32 °F) to 52 °C (125 °F)
- Gas Ballast Valve
- Also inquire about our 12VDC battery operated models
- Includes 1 year warranty

Pro-Set[®] PREMIUM COMPACT VACUUM PUMPS

The VPC2S Premium Compact Pro-Set Vacuum Pump incorporates professional level features with extreme portability. This innovative 2 CFM, single-stage unit is certified to achieve an ultimate vacuum rating as low as 100 microns. With a weight of just 9.3 lbs (4.2 kg), it helps you get more done without weighing you down.

Delivering the same performance to portability, the VPC2D is a 2 CFM, dual stage unit that is factory-tested to deliver an ultimate vacuum rating as low as 15 microns, while weighing a mere 12.1 lb (5.5 kg). You'll find advanced air-cooling, easy maintenance and high impact plastic base for added shock resistance.





Large Oil Sight Glass



Intake Port Brass Adapter



Rugged & Durable Power Cable



| | | 1995 | Fur |
|----------------------------------|-------------------------------|------------------------------------|------------------------------------|
| Specifications | VPC2DU | VPC2SU | VPC4SU |
| Stage | 2 | 1 | 1 |
| Motor Size (HP) RPM @ 50/60Hz | 1/4 (HP) 2880 / 3440 RPM | 1/5 (HP) 2880 / 3440 RPM | 1/4 (HP) 2880 / 3440 RPM |
| Dimensions (Inches) | 11.3" x 4.5" x 8.0" | 9.1" x 4.5" x 8.0" | 11.3" x 4.5" x 8.0" |
| Weight | 12.1 lb / 5.5 kg | 9.3 lb / 4.2 kg | 11.0 lb / 5 kg |
| Power Source | 115V 60 Hz | 115V 60 Hz | 115V 60 Hz |
| Ultimate Vacuum | 15 Microns | as low as 100 Microns | as low as 100 Microns |
| Oil Capacity | 9 oz / 250 ml | 9 oz / 250 ml | 10 oz / 300 ml |
| Free Air Displacement | 2 CFM @ 60hz, 48I/m @ 50Hz | 2 CFM @ 60 Hz, 48 I / m @ 50 Hz | 4 CFM @ 60 Hz, 96 I / m @ 50 Hz |
| Specifications | VPC2DE | VPC2SE | VPC4SE |
| Stage | 2 | 1 | 1 |
| Motor Size (HP) RPM @ 50/60Hz | 1/4 (HP) 2880 / 3440 RPM | 1/5 (HP) 2880 / 3440 RPM | 1/4 (HP) 2880 / 3440 RPM |
| Dimensions (Inches) | 11.3" x 4.5" x 8.0" | 9.1" x 4.5" x 8.0" | 11.3" x 4.5" x 8.0" |
| Weight | 12.1 lb / 5.5 kg | 9.3 lb / 4.2 kg | 11.0 lb / 5 kg |
| Power Source | 220-240V 50/60 Hz | 220-240V 50/60 Hz | 220-240V 50/60 Hz |
| Ultimate Vacuum | 15 Microns | as low as 100 Microns | as low as 100 Microns |
| Oil Capacity | 9 oz / 250 ml | 9 oz / 250 ml | 10 oz / 300 ml |
| Free Air Displacement | 2 CFM @ 60hz, 48l/m @ 50Hz | 2 CFM @ 60hz, 48I/m @ 50Hz | 4 CFM @ 60Hz, 96I/m @ 50Hz |

VACUUM PUMPS



| | ITEM | DESCRIPTION |
|-------------|--------|--|
| | VPAS4 | 1/4" SAE Female Knurl Nut |
| ES | VPAS8 | 3/8" SAE Female Knurl Nut |
| ORI | VPASU | 1/4" SAE, 3/8" SAE, 1/2"-20 (UNF Female Knurl Nut) |
| SS | AVCVAC | Vacuum pump cap kit with chains |
| ACCESSORIES | | PREMIUM VACUUM PUMP OILS |
| AC | VPOG6 | (6) one gallon bottles |
| | VPOQ12 | (12) one quart bottles |
| | VPOP12 | (12) one pint bottles |
| | | THE REAL PROPERTY AND A DESCRIPTION OF A |

Vacuum pump cap kit with chains on one common ring



ANTI-SIPHON VALVE KITS

The CPS anti-siphon valve is an essential accessory to any vacuum pump application. The anti-siphon valve prevents the cross-contamination of vacuum pump oil and the compressor oil in the A/C or refrigeration system being serviced. Mixing of vacuum pump oil and compressor oil can cause premature failure in the A/C or refrigeration system. CPS makes three models that fit all CPS and other brands of vacuum pumps.

Add these kits to any brand of vacuum pump to prevent the cross-contamination of vacuum pump oil and the compressor oil of the system being serviced.

VPAS4 - 1/4" SAE Female Knurl Nut VPAS8 - 3/8" SAE Female Knurl Nut VPASU - 1/4" SAE, 3/8" SAE, 1/2"-20 UNF Female Knurl Nut



PREMIUM VACUUM PUMP OILS

PRO-SET Premium Vacuum Pump Oil is an extremely high quality, severely hydrotreated vacuum pump oil. The oil is compatible for use in pumps made by most manufacturers. PRO-SET Premium Vacuum Pump Oil should always be clean and free of contaminants such as moisture, acids, vapors, dirt etc. It is strongly recommended that the vacuum pump oil be changed after each use to improve service and the life of the pump.



RECOVERY EQUIPMENT RECOVER REFRIGERANTS QUICKLY & EFFICIENTLY



RECOVERY EQUIPMENT

RECOVER LOST TIME

The **Smallest**, **Lightest**, **Fastest** and **Most Reliable** Recovery Machine found anywhere in the world





Premium Brass Fittings

Manual HP Reset Button (TR21E only)

BUILT FOR PERFORMANCE:

| | | The season | | | | | | |
|---|--------------------------------|---|--|--|--|--|--|--|
| | Compressor Type | 2 Cylinder Oil-less Reciprocating Compressor | | | | | | |
| | Dimensions | 15cm (6") Wide x 30cm (12") Long x 23cm (9") High | | | | | | |
| | Weight | 24.5 lb | | | | | | |
| | Operating Temperature Range | 0°C (32°F) to 49°C (120°F) | | | | | | |
| | Power Source | 115 V 50/60 Hz | | | | | | |
| | Power Consumption | 850 W | | | | | | |
|) | Filtration | Cleanable 100 - mesh screen integrated into Suction Port | | | | | | |
| | Overload Protection | Motor Thermally Protected | | | | | | |
| | High Pressure Shut-Off | 550 psig | | | | | | |
| | Refrigerants | R-12, R-134a, R-401C, R-406A, R-500, R-401A, R-409A, R-401B, R-412A, R-411A, R-407D, R-22, R-411B, R-502, R-407C, R-402B, R408A, R-509, R-407A, R-404A, R-402A, R-507, R-407B, R-410A | | | | | | |
| 1 | | 11 | | | | | | |

Pro-Set°

TR21

The Workingman's Choice™

5 years of intensive product research and development have produced the Pro-Set[®] TR21, the smallest, lightest, fastest and most reliable recovery machine found anywhere in the world. That means you can get the job done more effectively, with less effort, in half the time.

| | R410A Vapor @75 | | R410A DIRECT LIQUID | | R410A PUSH PULL | |
|-------------------|--------------------|------|---------------------------|------|--------------------|-------|
| | LBS | KG | LBS | KG | LBS | KG |
| PRO-SET® TR21 | .703 | .319 | 11.95 | 5.42 | 31.70 | 14.38 |
| APPION G5 | .396 | .180 | 3.48 | 1.58 | 10.21 | 4.63 |
| APPION G1 | .264 | .120 | 4.32 | 1.96 | 12.17 | 5.52 |
| ATP RG5410EX | .443 | .201 | 5.14 | 2.33 | 14.13 | 6.41 |
| RITCHIE XLT95760 | .490 | .220 | 1.68 | 0.76 | 12.21 | 5.54 |
| REFTEC DIABLO-115 | .220 | .100 | 4.98 | 2.26 | 15.00 | 6.80 |
| INFICON VORTEX AC | .287 | .130 | 3.46 | 1.57 | 11.35 | 5.15 |
| BACHARACH STINGER | .310 | .140 | 3.26 | 1.48 | 16.29 | 7.39 |

* Chart data was obtained from published UL/ARI test results per ARI 740-98 Standards for Recovery Equipment

1.00

TR21 SPECIFICATIONS

ADDITIONAL MODELS

| TR21C | Same as TR21 except: 450 psig high pressure shut-off. |
|-------------------|---|
| Features | Automatic reset 115V 50/60 Hz |
| TR21E | Same as TR21 except: 525 psig high pressure shut-off. |
| Features | Manual reset 220-240V 50 Hz |
| TR21J | Same as TR21 except: 550 psig high pressure shut-off. |
| Features | Automatic reset Tank overfill sensor cord 100V 50/60 Hz |
| TR21S | Same as TR21 except: 550 psig high pressure shut-off. |
| Features | Automatic reset 220-240V 50/60 Hz |
| TR22 Features | Same as TR21, but with Tank overfill sensor cord |
| TR22S Features | Same as TR21S, but with Tank overfill sensor cord |

TR21 RECOVERY RATES PER ARI - 740 - 98

| LBS / MIN | | | | | KG / MIN | | | |
|-----------|--------------|--------|-------|---------------------------------|--------------|--------|-------|---------------------------------|
| Туре | Push Pull | Liquid | Vapor | High Temp Vapor (104°) | Push Pull | Liquid | Vapor | High Temp Vapor (104°) |
| R22 | 31.53 | 8.86 | 0.597 | 0.860 | 14.30 | 4.02 | 0.271 | 0.390 |
| R134a | 25.66 | 7.80 | 0.503 | N/A | 11.64 | 3.54 | 0.228 | N/A |
| R407C | 29.14 | 9.50 | 0.536 | N/A | 13.22 | 4.31 | 0.243 | N/A |
| R410A | 31.70 | 11.95 | 0.703 | 0.816 | 14.38 | 5.42 | 0.319 | 0.370 |

ENHANCE THE PERFORMANCE OF YOUR RECOVERY MACHINE

COMPARATIVE DATA

Test results show time to recover 15 lbs of R22 at 120° F:

With MT69 = 17 minutes Without MT69 = 32 minutes

THIS IS WHAT IT DOES:

- Up to 95% increase in recovery speed
- Actual time to recover 15 lbs. of R22 at 120 °F is 17 minutes with MT69 vs. 32 minutes without MT69
- The hotter it gets, the better it works
- Eliminates the need to change tanks when recovering R410A
- Eliminates annoying shutdown due to high pressure switch limit
- Dramatically improves the performance of any recovery machine
- Essential for recovering R410A on hot days
- Essential for recovering liquid refrigerant on cold days
- Eliminates liquid slugging at colder temperatures
- Patented and Patents Pending

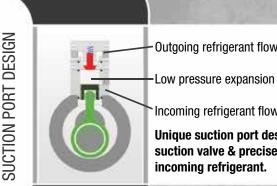
TIME IS MONEY

Transform your Bottom line with the MT69 Molecular Transformator.

| | | 1 |
|-------------------------------|------------------|---------------------|
| Dimensions | 4" D x 12" H | |
| Weight | 5 lbs | MT69 |
| Maximum Operation Pressure | 550 psig | MT69 SPECIFICATIONS |
| Discharge Pressure Gauge | 0 to 600 PSIG | CIFIC/ |
| Inlet/Outlet Connections | 1/4" SAE Male | ATION |
| Performance | up to 9000 Btu's | S |
| | | |







Outgoing refrigerant flow (Discharge Valve)

Low pressure expansion chamber

Incoming refrigerant flow (Suction Port)

Unique suction port design eliminates suction valve & precisely meters



PRO-SET® OIL-LESS REFRIGERANT RECOVERY MACHINES

- Powerful 1HP oil-less reciprocating recovery compressor
- Exceptional compressor, condensing & cooling systems allow fast recovery in high temperature environments
- · Automatic Low Pressure shut-off feature turns unit off when recovery is completed
- · Rugged high density double walled plastic housing with easy view top mounted controls
- R-410a ready with 550psi high pressure shut-off switch
- Ergonomic well balanced design for easy transport including shoulder strap - weighs 36 lbs / 16.2 kg
- · Built-in suction filter located under suction port
- Worlwide patents pending.



- Compact design with easy 4 bolt access
- · Compressor can be rebuilt in minutes
- Externally serviceable valves and gauges
- Integrated component moorings for quiet operation
- Fewer components equals more reliablity

UL CERTIFIED meets or exceed EPA Regulations per ARI Standard 740-98 **CR700 Series** ITEM: VOLTAGE GAUGES CR700 115V psig/kgcm2 CR700E 220-240V BAR/kPa **CR700S** 230V psig/kgcm2 CR700J 100V MPa



- Powerful 1HP oil-less reciprocating recovery compressor
- · Oversized piston head & cylinder combined with a larger discharge port
- No suction valve eliminates failures caused by liquid slugs
- Heavy duty components with special long-lasting composite seals

| | | Te | Test Conditions at 75 F Degrees | | | | |
|-------------------|-------------|---------------|---------------------------------|--------------|---------------------------|--------------------|--|
| Brand Models | Refrigerant | Liquid (kg/m) | Push / Pull (kg/m) | Vapor (kg/m) | High Temp Vapor (kg/m) | NRTL Ratings | |
| CPS CR700 | R410a | 2.95 | 6.97 | 0.23 | | (UL) QVBC SA12068 | |
| Appion G5 | R410a | 1.58 | 4.63 | 0.30 | | (UL) QVBC SA13136 | |
| Yellow Jkt 95760 | R410a | 0.76 | 5.54 | 0.22 | | (UL) QVBC SA12038 | |
| Promax RG5410EX | R410a | 2.33 | 6.39 | 0.20 | | (UL) QVBC SA12994 | |
| Promax RG5410A | R410a | 1.85 | 4.91 | 0.16 | | (UL) QVBC SA12994 | |
| Inficon Vortex AC | R410a | 1.66 | 5.15 | 0.08 | | (UL) QVBC SA12798 | |
| Stinger 2000-3300 | R410a | 1.37 | 6.63 | 0.10 | | (AR) RRRE-05040-1Q | |
| CPS CR700 | R22 | 3.11 | 7.17 | 0.22 | 0.242 | (UL) QVBC SA12068 | |
| Appion G5 | R22 | 2.82 | 7.54 | 0.28 | 0.19 | (UL) QVBC SA13136 | |
| Yellow Jkt 95760 | R22 | 0.90 | 6.12 | 0.15 | 0.15 | (UL) QVBC SA12038 | |
| Promax RG5410EX | R22 | 1.90 | 6.58 | 0.18 | 0.14 | (UL) QVBC SA12994 | |
| Promax RG5410A | R22 | 1.81 | 4.32 | 0.15 | 0.13 | (UL) QVBC SA12994 | |
| Inficon Vortex AC | R22 | 1.35 | 2.50 | 0.11 | 0.13 | (UL) QVBC SA12798 | |
| Stinger 2000-3300 | R22 | 1.60 | 5.58 | 0.13 | 0.13 | (AR) RRRE-05040-1Q | |
| CPS CR700 | R134 | 2.15 | 6.30 | 0.15 | | (UL) QVBC SA12068 | |
| Appion G5 | R134 | 1.97 | 5.03 | 0.19 | | (UL) QVBC SA13136 | |
| Yellow Jkt 95760 | R134 | 1.13 | 6.12 | 0.10 | | (UL) QVBC SA12038 | |
| Promax RG5410EX | R134 | 1.09 | 5.30 | 0.14 | | (UL) QVBC SA12994 | |
| Promax RG5410A | R134 | 1.57 | 3.63 | 0.11 | | (UL) QVBC SA12994 | |
| Inficon Vortex AC | R134 | 1.13 | 3.44 | 0.10 | | (UL) QVBC SA12798 | |
| Stinger 2000-3300 | R134 | 1.21 | 4.98 | 0.10 | | (AR) RRRE-05040-1Q | |

| | CR700 | CR700J | CR700E | CR700S | |
|---------------------|------------------------------|-----------------------------|-----------------------------|--------------------|--|
| Compressor Type | | 1 HP oil-less reciproc | cating compressor | | |
| Dimensions | | 20cm (8") wide x 37cm (14.5 | ") long x 30.5cm (12") high | | |
| Weight | | 15.3kg (3 | 34lbs.) | | |
| Oprtg. Temp. Range | | 0°C (32°F) to 4 | 49°C (120°) | | |
| Power Source | 115V 50/60Hz 1 HP | 100V 50/60Hz 1 HP | 220-240V 50/60 Hz 1 HP | 230V 50/60 Hz 1 HP | |
| Power Consumption | | 850 | W | | |
| Filtration | | Cleanable 100-mesh screen i | ntegrated into Suction Port | | |
| Shut-off valves | | Both Suction and Discharg | e piston manifold valves | | |
| Overload Protection | 1 | 5 amp | 8 amp | | |
| | Replacement Parts | | | | |
| CRXCR1 | Compressor Rebuild Kit | for CR600 (all) | | | |
| CRXCR2 | Compressor Rebuild Kit fo | or CR500 (115V) | | | |
| CRXCR3 | Compressor Rebuild Kit fo | or CR500 (230V) | | | |
| CRXCR8 | Compressor Rebuild Kit | for CR700 (all) | CDS | | |
| CRXT0S2 | CR Overfill Sensor Co | rd Kit 115V | PROSET | | |
| CRXT0S2 | CR Overfill Sensor Co | rd Kit 230V | and the second second | | |
| CRXF2 | (6) Suction Filters for CR30 | 0, 400, 500, 600 | | 2 | |
| CRXF3 | (6) Suction Filters f | or CR700 | CR700S | P | |

Pg 34

RECOVERY EQUIPMENT

REFRIGERANT RECOVERY TANKS

PRO-SET Premium Vacuum Pump Oil is an extremely high quality, severely hydrotreated vacuum pump oil. The oil is compatible for use in pumps made by most manufacturers. PRO-SET Premium Vacuum Pump Oil should always be clean and free of contaminants such as moisture, acids, vapors, dirt etc. It is strongly recommended that the vacuum pump oil be changed after each use to improve service and the life of the pump.

TANK SPECIFICATIONS

ITEN

ARX13

ARX134

CRX39

CRX390

CRX40

CRX400

CRX43

CRX430

| м | DESCRIPTION | WATER Capacity | DOT SPECIFICATION | SERVICE PRESSURE |
|-----|---|-----------------------|----------------------|---------------------|
| 34T | Automotive 50lb tank with 1/2" ACME M fitting | 47.7lb / 21.7kg | D0T04BA-400 | 400 PSIG |
| 4TS | Automotive 50lb tank with 1/2" ACME M fitting and overfill sensor | 47.7lb / 21.7kg | D0T04BA-400 | 400 PSIG |
| 90T | 90lb tank with 1/4" SAE M fitting on tank. 1/4" SAE FM x 1/2" ACME M adapter fitting included | 92 lb / 41.7kg | DOT04BW-400 | 400 PSIG |
| OTS | 90lb tank with 1/4" SAE M fitting on tank and overfill sensor. 1/4" SAE FM x 1/2" ACME M adapter fitting included | 92 lb / 41.7kg | DOT04BW-400 | 400 PSIG |
| 00T | 50lb tank with 1/4" SAE M fitting | 47.7lb / 21.7kg | D0T04BA-400 | 400 PSIG |
| OTS | 50lb tank with 1/4" SAE M fitting and overfill sensor | 47.7lb / 21.7kg | D0T04BA-400 | 400 PSIG |
| 30T | 30lb tank with 1/4" SAE M fitting | 26.2lb / 11.9kg | D0T04BA-400 | 400 PSIG |
| OTS | 30lb tank with 1/4" SAE M fitting and overfill sensor | 26.2lb / 11.9kg | D0T04BA-400 | 400 PSIG |
| | Not set of the set of | and the second second | | 100 - 10 - 10 - 10 |

CRX390T

1/4" SAE & 1/2" ACME Tank Adapter

CRX390TS 1/4" SAE with float

CRX430T 1/4" SAE Tank

CRX430T 1/4" SAE Tank with float ARX134T 1/2" ACME (AR300/400) U.S. Automotive

ARX134TS 1/2" ACME with float (AR500) **CRX400T** 1/4" SAE Tank

CRX400TS 1/4" SAE Tank with float





Pg 35

SERVICE MANIFOLDS & GAUGES

MECHANICAL & DIGITAL MANIFOLD SOLUTIONS



BLACKMAX[®] MANIFOLDS

INDUSTRY LEADING ACCURACY

1306

92

REF

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SH/SC

TEST

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Pg 37



Rugged Design

- Water Resistant High Strength Glass Filled Nylon Housing
- Precision Machined Anodized Aluminum Manifold Body
- Proprietary Vortech Valve Systems (certified to 10 microns)
- High-impact polycarbonate LCD Window
- Advanced sight glass design

Simplicity & Versatility

- One key ON/OFF and function select
- · Preloaded with over 90 of the most common Refrigerants
- Compatible with R744 subcritical CO2 Refrigerants
- · One-touch access to your 5 favorite refrigerants
- · Performs pressure decay and vacuum rise tests
- 25 hours of continuous use with full backlight illumination

Best-in-Class Accuracy

- Pressure: 1% of reading Pressure
- Temperature: Superior Thermistor Sensors for +/- 0.2°C (+/- 0.4°F) Accuracy
- Vacuum: Direct System Attachment achieves +/- 10 microns from 0 to 25,000 microns

Full System Measurement

- 2 Pressures, 2 Temperatures & Vacuum (using MDXVG accessory)
- Vacuum Rise and Pressure Decay Test Functions
- Simultaneously Displays:
- HI & LO Pressures, Superheat & Subcooling
- HI & LO Pressures, T1 & T2
- HI & LO Pressures, Saturation T1 & Saturation T2
- HI & LO Pressures, Displays T1, T2 & Delta T

MANIFOLDS & GAUGES

BLACKMAX® DIGITAL MANIFOLD SERIES

BLACKMAX digital manifolds from CPS Products, Inc. combine the latest manifold design and electronic measurement features into one easy-to-use, accurate and water resistant product in a rugged nylon plastic housing, incorporating a durable elastomeric keypad and large backlighted LCD display.







| () | | 250 - 11 12 | Street . | | |
|----------|--|--|---------------|--|--|
| ITEM | NORTH AMERICA | SOUTH AMERICA | AUSTRALIA | | |
| MD50 | 2V Digital Ma | nifold with (2) Clamp | Probes | | |
| MD50HE | 2V Digital Manifold | with (2) Clamp Probes | and 5' Hoses | | |
| MD50VHE | 2V Digital Manifold with (2) Clamp Probes and 5' BV Hoses & Vac accessory | | | | |
| MD100 | 4V Digital Manifold with (2) Clamp Probes | | | | |
| MD100HE | 4V Digital Manifold | with (2) Clamp Probes | s and 5' Hose | | |
| MD100VHE | 0 | nifold with (2) Clamp Hose & Vac accessor | , | | |
| MDXVG | MD50/10 | 0 Vacrometer Access | ory | | |
| MDXBK | MD50/100 Rechargeable Battery Kit | | | | |
| | bija i U | 101439 | | | |

BLACKMAX® MANIFOLDS ENGINEERED FOR PERFORMANCE & RELIABILITY





BLACKMAX® MANIFOLDS BLACK & CHROME SERIES

BlackMax Black & Chrome series anodized aluminum block body with three 1/4" SAE and one 3/8" SAE vacuum port (4 Valve Manifold only), Vortech Deep Vacuum Valves, extra large sight glass, easy-to-read Class 1.0 accuracy gauges, protective gauge boots and hanging hook. MADE IN USA



BLACKMAX® BLACK & CHROME VORTECH VALVE MANIFOLDS

| | SPECIFICATIONS | NORTH AMERICA | SOUTH AMERICA |
|-------------------------|--|-----------------------------|--------------------------|
| | Refrigerant Scales | R134a, R22, R404a, R410a | R410a, R22, R407c |
| TION | Gauge Size / Type | 3 1/8" (80mm) | 3 1/8" (80mm) |
| GAUGE DESCRIPTION | * Gauges built with Internal Silicon Dampening Cup for Flutter-Free operation | Class 1.0 Accuracy | Class 1.0 Accuracy |
| B | Pressure Scales | PSI | BAR / PSI |
| | Temperature Scales | °F | ۵° |
| FITTINGS | Manifold and Hose Fittings | 1/4" SAE 45° Fittings | 1/4" SAE 45° Fittings |
| | Manifold & Gauges Only | MV2H4Z | MV204Z |
| TWO VALVE MANIFOLDS | 3 Premium 5ft (150cm) Pro-Set Black & Chrome Hoses | MV2H4P5Z | MV204P5Z |
| MAI | 3 Premium 5ft (150cm) Pro-Set Black & Chrome BV Hoses | MV2H4P5EZ | MV204P5EZ |
| | Manifold & Gauges Only | MV4H4Z | MV404Z |
| Four valve Manifolds | 3 Premium 5ft (150cm) Pro-Set Black & Chrome Hoses | MV4H4P5Z | MV404P5Z |
| FOL | 3 Premium 5ft (150cm) Pro-Set Black & Chrome BV Hoses | MV4H4P5EZ | MV404P5EZ |
| REPLACEMENT GAUGES | Low Side Gauge | RGH4L | RG04L |
| REPLA | High Side Gauge | RGH4H | RG04H |
| | | | |

BLACKMAX® MANIFOLDS BLACK & CHROME SERIES

BlackMax Black & Chrome series 2 valve anodized aluminum block body with 1/4" SAE 45° fittings, Triple Seal piston valves, easy-to-read 3 1/8" (80mm) Class 1.0 accuracy gauges, protective gauge boots, extra access port in center with Schrader valve, premium 5ft Pro-Set Black & Chrome hoses with 45° anti blowback valves on end and hanging hook. MADE IN USA



| | | BEAGMINAN B | LAOK & OIIIIOI | | | | |
|----------------|------------------------|--|--|-----------------------------|---|--------------------------|--|
| SPECIFICATIONS | | | | | NORTH AMERICA | | |
| | | SPECIFICATIONS | NORTH AMERICA | NORTH AMERICA | SOUTH AMERICA | SOUTH AMERICA | |
| | | | | | AUSTRALIA | | |
| | | Refrigerant Scales | R134a, R22, R404a, R410a | R134a, R22, R404a, R410a | R410a | R410A, R22, R407C | |
| | NC | Gauge Size / Type | 3 1/8" | 2 1/2" | 2 1/2" | 3 1/8" | |
| | GAUGE DESCRIPTION | * Gauges built with | (80mm) | (68mm) | (68mm) | (80mm) | |
| | GAL | Internal Silicon | Class 1.0 | Class 1.6 | Class 1.6 | Class 1.0 | |
| | DEg | Dampening Cup | Accuracy | Accuracy | Accuracy | Accuracy | |
| | | Pressure Scales | PSI | PSI | PSI / kPa | BAR / PSI | |
| | | Temperature Scales | °F | °F | °F / °C | °C | |
| | FITTINGS | Manifold and Hose Fittings | 1/4" SAE 45° Fittings | 1/4" SAE 45° Fittings | 1/4" SAE 45° Fittings | 1/4" SAE 45° Fittings | |
| | | Manifold & Gauges Only | MBH4Z | MBH5Z | MBB5Z | MB04Z | |
| | TWO VALVE MANIFOLDS | 3 5ft (150cm) Pro-Set Black & Chrome | MBH4P5Z | MBH5P5Z | MBB5P5Z | MB04P5Z | |
| | VO V | Premium Hoses | MBITH 02 | MBHOI 02 | MBB0102 | 11120-11-02 | |
| | νt | 3 5ft (150cm) Pro-Set Black & Chrome Premium BV Hoses | MBH4P5EZ | MBH5P5EZ | MBB5P5EZ | MB04P5EZ | |
| | EMENT BES | Low Side Gauge | RGH4L | RGH5L | RGB5L | RG04L | |
| | REPLACEMENT GAUGES | High Side Gauge | RGH4H | RGH5H | RGB5H | RG04H | |
| - 13 | | | and the second sec | and the second second | the second se | | |

BLACKMAX[®] BLACK & CHROME TRIPLE SEAL VALVE MANIFOLDS

HP5BKZ



5' Black Premium Chrome Charging Hoses

HP5BKEZ



5' Black Premium Anti-Blowback Chrome Charging Hoses



5' Black 3/8" Premium Chrome Hose

BLACKMAX[®] MANIFOLD CONFIGURATIONS

Visit us Online at www.cpsproducts.com



RGH4L





RGH5L



RGH5H



RGX68IB

BLACKMAX® MANIFOLDS BLACK & CHROME SERIES

BlackMax Black & Chrome series 2 valve anodized aluminum block body with 1/4" SAE 45° fittings, Triple Seal piston valves, easy-to-read 3 1/8" (80mm) Class 1.0 accuracy gauges, protective gauge boots, extra access port in center with Schrader valve, premium 5ft Pro-Set Black & Chrome hoses with 45° anti blowback valves on end and hanging hook. MADE IN USA





RGX80IB

PRO-SET® BLACK & CHROME PRESSURE GAUGES

| | 3 1/8" /80mm Pre | ssure Gauges | | 2 1/2" /68mm Pressure Gauges | | |
|---------------------|--|-----------------------------|----------------------------|-------------------------------|---|--|
| ITEM SPECIFICATIONS | | North America | south America | NORTH AMERICA | NORTH AMERICA SOUTH AMERICA AUSTRALIA | |
| NO | Refrigerant Scales | R134a, R22, R404a, R410a | R410A, R22, R407C | R134a, R22, R404a, R410a | R410a | |
| GAUGE DESCRIPTION | Gauge Size / Type * Gauges built with Internal Silicon Dampening Cup | 3 1/8" (80mm) Class 1.0 | 3 1/8" (80mm) Class 1.0 | 2 1/2" (68mm) Class 1.6 | 2 1/2" (68mm) Class 1.6 | |
| | Pressure Scales Temperature Scales | PSI °F | BAR / PSI °C | PSI °F | PSI / kPa °F / °C | |
| ONLY | Low Side Gauge | RGH4L | RG04L | RGH5L | RGB5L | |
| gauge only | High Side Gauge | RGH4H | RG04H | RGH5H | RGB5H | |
| RUBBER BOOT | Item Number | RGX80IB | RGX80IB | RGX68SB | RGX68IB | |
| RUBBEI | Description | Ribbed Design | Ribbe Design | Spider Design | Spider Design | |
| | | | Const. | | - | |

PREMIUM PISTON SERIES

PROPRIETARY TRIPLE SEAL VALVES BEST IN CLASS 1% MEASUREMENT ACCURACY



PRO-SET® MANIFOLDS WORKINGMAN SERIES

The Workingman's Choice series 2 valve anodized aluminum block body with 1/4" SAE 45° fittings, Triple Seal piston valves, sure grip rubber over metal valve handles, easy-to-read 3-1/8" (80mm) Class 1.0 accuracy gauges, protective gauge boots, extra access port in center with Schrader valve and hanging hook.







MT2H7P5E





SPECIFICATIONS NORTH AMERICA SOUTH AMERICA R134a, R22, R410a, R22, **Refrigerant Scales** R404a, R410a R407c DESCRIPTION Gauge Size / Type 3 1/8" (80mm) 3 1/8" (80mm) GAUGE Class 1.0 Class 1.0 Gauges built with Internal Silicon Dampening Accuracy Accuracy Cup for Flutter-Free operation **Pressure Scales** PSI BAR / PSI **Temperature Scales** °F °C FITTINGS 1/4" SAE 1/4" SAE Manifold and Hose Fittings 45° Fittings 45° Fittings Manifold & Gauges Only MT2H7 MT207 TWO VALVE MANIFOLDS 3 Premium 5ft (150cm) Pro-Set Hoses MT207P5 MT2H7P5 3 Premium 5ft (150cm) Pro-Set AB Hoses MT2H7P5A MT207P5A 3 Premium 5ft (150cm) Pro-Set BV Hoses MT2H7P5E MT207P5E Low Side Gauge RGH7L RG07L REPLACEMENT GAUGES High Side Gauge RGH7H RG07H Replacement Gauge Boot RGXBW RGXBW

PRO-SET[®] WORKINGMAN'S CHOICE 2 VALVE MANIFOLDS

Call and Speak to a Sales Rep: $\,305{\text{-}}687{\text{-}}4121$ / $\,1{\text{-}}800{\text{-}}277{\text{-}}3808$

PISTON SERIES - BLACK BODY

PROPRIETARY TRIPLE SEAL VALVES



PISTON BLACK BODY MANIFOLD SERIES

Piston series 2 valve anodized aluminum block body with ¼" SAE 45° fittings, Triple Seal piston valves, 2 ½" (68mm) Class 1.6 accuracy gauges, extra access port in center with Schrader valve and hanging hook. MADE IN USA



| | | | 1 82.0 | 1000 | 25.1294 | 1.12 | A14 |
|--|--|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| TRIPLE SEAL [™] PISTON 2 VALVE BLACK BODY MANIFOLDS | | | | | | | |
| | SPECIFICATIONS | N. AMERICA | N. AMERICA | N. AMERICA | S. AMERICA ASIA | S. AMERICA AUSTRALIA | S. AMERICA |
| | Refrigerant Scales | R12, R22, R502 | R134a, R22, R404a | R22, R404a, R410a, | R12, R134a, R22 | R134a, R22, R404a | R410a, R22, R407c |
| GE PTION | Gauge Size / Type | 2 1/2" (68mm) |
| GAUGE DESCRIPTION | * Gauges built with Internal Silicon Dampening Cup for Flutter-Free operation | Class 1.6 Accuracy |
| | Pressure Scales | PSI | PSI | PSI | PSI / kPa | PSI / kPa | BAR / PSI |
| | Temperature Scales | °F | °F | °F | °F / °C | °C | °C |
| FITTINGS | Manifold and Hose Fittings | 1/4" SAE 45° Fittings | 1/4" SAE 45° Fittings | 1/4" SAE 45° Fittings | 1/4" SAE 45° Fittings | 1/4" SAE 45° Fittings | 1/4" SAE 45° Fittings |
| | Manifold & Gauges Only | MBC | MBD | MBH | MBZ | MBT | MBO |
| DS DS | Three 3ft (150cm) Pro-Set Hoses | MBCS3 | MBDP3 | MBHP3 | MBZS3 | MBTP3 | MB0P3 |
| TWO VALVE MANIFOLDS | Three 5ft (150cm) Pro-Set Hoses | MBCS5 | MBDP5 | MBHP5 | MBZS5 | MBTP5 | MB0P5 |
| MAN | Three 5ft (150cm) Pro-Set AB Hoses | NA | MBDP5A | MBHP5A | NA | MBTP5A | MB0P5A |
| | Three 5ft (150cm) Pro-Set BV Hoses | NA | MBDP5E | MBHP5E | NA | MBTP5E | MB0P5E |
| Replacement Gauges | Low Side Gauge | RGCL | RGDL | RGHL | RGZL | RGTL | RGOL |
| REPLA(GAL | High Side Gauge | RGCH | RGDH | RGHH | RGZH | RGTH | RGOH |
| | | | the state | 199 | | The second | |

CDS

MBDP5E

PISTON SERIES - PINK BODY

PROPRIETARY TRIPLE SEAL VALVES



PISTON PINK BODY MANIFOLD SERIES

Piston series 2 valve anodized aluminum block body with ¼" SAE 45° fittings, Triple Seal piston valves, 2 ½" (68mm) Class 1.6 accuracy gauges, extra access port in center with Schrader valve and hanging hook. MADE IN USA



| | TRIPLE SEAL [™] PISTON 2 VALVE PINK BODY MANIFOLDS | | | | | | |
|---|---|--------------------------|--------------------------|-----------------------|--|--|--|
| | OFOILOATIONO | | | S. AMERICA | | | |
| | SPECIFICATIONS | N. AMERICA | N. AMERICA | AUSTRALIA | | | |
| | Refrigerant Scales | R410a | R410a, R22, R404a | R410a | | | |
| GE PTION | Gauge Size / Type | 2 1/2" (68mm) | 2 1/2" (68mm) | 2 1/2" (68mm) | | | |
| GAU | *Gauges built with Internal Silicon Dampening Cup for Flutter-Free operation | Class 1.6 Accuracy | Class 1.6 Accuracy | Class 1.6 Accuracy | | | |
| | Pressure Scales | PSI / kPa | PSI | PSI / kPa | | | |
| | Temperature Scales | °F/°C | °F | °F / °C | | | |
| FITTINGS | Manifold and Hose Fittings | 1/4" SAE 45° Fittings | 1/4" SAE 45° Fittings | 1/2" - 20 UNF | | | |
| | Manifold & Gauges Only | MEB | MEH | MCB | | | |
| SPECIFICATIONS Refrigerant Scales Gauge Size / Type *Gauges built with Internal Silicon Dampening Cup for Flutter-Free operation Pressure Scales Temperature Scales Manifold and Hose Fittings | 3 Premium 3ft (150cm) Pro-Set Hoses | MEBP3 | MEHP3 | MCBJ3 | | | |
| | MEBP5 | MEHP5 | MCBJ5 | | | | |
| | 3 Premium 5ft (150cm) Pro-Set AB Hoses | MEBP5A | MEHP5A | MCBJ5A | | | |
| | 3 Premium 5ft (150cm) Pro-Set BV Hoses | MEBP5E | MEHP5E | MCBJ5E | | | |
| CEMENT IGES | Low Side Gauge | RGBL | RGHL | RGBL | | | |
| REPLAC | High Side Gauge | RGBH | RGHH | RGBH | | | |
| | } | | E.C. | | | | |

NON-FLUTTER GAUGE Design with Rugged Metal Housing

MEBP5E

FRONT CALIBRATION Access Port

ANODIZED ALUMINUM Block Body

> EASY-TO-GRAB Large Knob



- Three Super Neoprene o-ring design
- Back-seating o-ring seals valve nut when fully open
- Floating nylon sealing disk
- Valve stems retract fully to provide maximum flow
- Mirror-like port finish for smooth valve movement

DEEP VACUUM MULTI-VALVE SERIES PROPRIETARY VORTECH VALVE SYSTEMS

Visit us Online at www.cpsproducts.com

VORTECH® DEEP VACUUM MANIFOLD SERIES

Deep Vacuum series 2 valve pink anodized aluminum block body with ¼" SAE 45° fittings, Vortech Deep Vacuum Valves, extra large sight glass, easy-to-read 3 1/8" (80mm) Class 1.6 accuracy gauges, protective gauge boots, extra access port in center with Schrader valve and hanging hook. MADE IN USA



| · · · · · · | VORTECH DEEP VACUUM VALVE MANIFOLDS | | | | | | |
|-------------------------|---|--|---|--|---|--|--|
| | SPECIFICATIONS | N. AMERICA | N. AMERICA | S. AMERICA | S. AMERICA AUSTRALIA | | |
| | Refrigerant Scales | R410a. R22, R404a, R134a | R410a, R22, R404a, R143a | R410a, R22, R407c | R410a | | |
| GAUGE DESCRIPTION | Gauge Size / Type * Gauges built with Internal Silicon Dampening Cup for Flutter-Free operation | 3 1/8" (80mm) Class 1.6 Accuracy | 3 1/8" (80mm) Class 1.6 Accuracy *Oil-Filled | 3 1/8" (80mm) Class 1.6 Accuracy | 3 1/8" (80mm) Class 1.6 Accuracy *Oil-Filled | | |
| | Pressure Scales | PSI | PSI | PSI / bar | PSI / kPa | | |
| | Temperature Scales | °F | °F | °C | °F / °C | | |
| FITTINGS | Manifold and Hose Fittings | 1/4" SAE 45° Fittings | 1/4" SAE 45° Fittings | 1/4" SAE 45° Fittings | 1/4" SAE 45° Fittings | | |
| | Manifold & Gauges Only | MV3H2 | MV3H3 | MV302 | MV3B3 | | |
| TWO VALVE MANIFOLDS | 3 Premium 5ft (150cm) Pro-Set Hoses | MV3H2P5 | MV3H3P5 | MV302P5 | MV3B3P5 | | |
| WO V | 3 Premium 5ft (150cm) Pro-Set AB Hoses | MV3H2P5A | MV3H3P5A | MV302P5A | MV3B3P5A | | |
| ⊢ 2 | 3 Premium 5ft (150cm) Pro-Set BV Hoses | MV3H2P5E | MV3H3P5E | MV302P5E | MV3B3P5E | | |
| | Manifold & Gauges Only | MV13H2 | MV13H3 | MV1302 | MV13B3 | | |
| ALVI | 3 Premium 5ft (150cm) Pro-Set Hoses | MV13H2P5 | MV13H3P5 | MV1302P5 | MV13B3P5 | | |
| Four valve Manifolds | 3 Premium 5ft (150cm) Pro-Set AB Hoses | MV13H2P5A | MV13H3P5A | MV1302P5A | MV13B3P5A | | |
| μN | 3 Premium 5ft (150cm) Pro-Set BV Hoses | MV13H2P5E | MV13H3P5E | MV1302P5E | MV13B3P5E | | |
| REPLACEMENT GAUGES | Low Side Gauge | RGH2LB | RGH3L | RG02LB | RGB3L | | |
| REPLA GAI | High Side Gauge | RGH2HB | RGH3H | RG02HB | RGB3H | | |

MV3H2P5E

VORTECH[™] DEEP VACUUM MANIFOLD SERIES

Deep Vacuum series 5 valve anodized aluminum block body with four ¼" SAE ports, one 3/8" SAE vacuum port, Vortech Deep Vacuum Valves, VG200 electronic vacuum gauge, extra large sight glass, easy-to-read 3 3/8" (80mm) Class 1.6 accuracy gauges, protective gauge boots, two hanging hooks and plastic carrying case. MADE IN USA



| | (| | Sector Sector | | | |
|-------------------------------------|-----------------------|---|---------------------------------|--------------------------------------|---------------------------------|--------------------------------------|
| | | VORTECH [™] DEEP VACUUM | 5 VALVE BLA | CK BODY MA | NIFOLDS | |
| S | | SPECIFICATIONS | N. AMERICA | N. AMERICA | S. AMERICA | S. AMERICA AUSTRALIA |
| ATION | | Refrigerant Scales | R410a, R22, R404a, R134a | R410a, R22, R404a, R134a | R410a, R22, R407c | R410a |
| GUR | NOI | Gauge Size / Type | 3 1/8" | 3 1/8" (80mm) | 3 1/8" | 3 1/8" (80mm) |
| CONFI | GAUGE DESCRIPTION | *Gauges built with Internal Silicon Dampening Cup for Flutter-Free operation | (80mm) Class 1.6 Accuracy | Class 1.6 Accuracy *Oil-Filled | (80mm) Class 1.6 Accuracy | Class 1.6 Accuracy *Oil-Filled |
| | | Pressure Scales | PSI | PSI | BAR / PSI | PSI / kpa |
| E | | Temperature Scales | °F | °F | °C | °F / °C |
| DEEP VACUUM MANIFOLD CONFIGURATIONS | FITTINGS | Manifold and Hose Fittings | 1/4" SAE 45° Fittings | 1/4" SAE 45° Fittings | 1/4" SAE 45° Fittings | 1/4" SAE 45° Fittings |
| P VACL | FIVE VALVE | Manifold & Gauges Only | MV5H2D | MV5H3D | MV502D | MV5B3D |
| DEE | REPLACEMENT GAUGES | Low Side Gauge | RGH2LB | RGH3L | RG02LB | RGB3L |
| | REPLA(| High Side Gauge | RGH2HB | RGH3H | RG02HB | RGB3H |
| | | | | | | S all and |





Pg 51

VORTECH[™] DEEP VACUUM MANIFOLD SERIES

Deep Vacuum series 5 valve anodized aluminum block body with four ¼" SAE ports, one 3/8" SAE vacuum port, Vortech Deep Vacuum Valves, VG200 electronic vacuum gauge, extra large sight glass, oil-filled 3 3/8" (80mm) Class 1.6 accuracy gauges, two hanging hooks and plastic carrying case. MADE IN USA



RGB3H







| | PRO-SET [®] 3 | 1/8' / 80mm F | PREMIUM PRE | SSURE GAUGES | |
|-------------------|--|--|---|--|---|
| | ITEM SPECIFICATIONS | North America | NORTH AMERICA | SOUTH AMERICA | SOUTH AMERICA AUSTRALIA |
| NC | Refrigerant Scales | R410a, R22, R404a, R134a | R410a, R22, R404a, R134a | R410a, R22, R407c | R410a |
| GAUGE DESCRIPTION | Gauge Size / Type * Gauges built with Internal Silicon Dampening Cup | 3 1/8" (80mm) Class 1.6 Accuracy | 3 1/8" (80mm) Class 1.6 Accuracy *Oil-Filled | 3 1/8" (80mm) Class 1.6 Accuracy | 3 1/8" (80mm) Class 1.6 Accuracy *Oil-Filled |
| GAU | Pressure Scales | PSI | PSI | BAR / PSI | PSI / kpa |
| | Temperature Scales | °F | °F | °C | °F / °C |
| gauge only | Low Side Gauge | RGH2L | RGH3L | RG02L | RGB3L |
| GAUGE | High Side Gauge | RGH2H | RGH3H | RG02H | RGB3H |
| RUBBER BOOT | Low Side Gauge | RGX80BB | NA | RGX80BB | NA |
| RUBBE | High Side Gauge | RGX80RB | NA | RGX80RB | NA |
| | | | and a | | |

Call and Speak to a Sales Rep: 305-687-4121 / 1-800-277-3808







BALL VALVE BODY MANIFOLD SERIES

Ball Valve series 2 valve anodized aluminum block body with 1⁄4" SAE fittings, full flow ball valve design, 2 1⁄2" (68mm) Class 1.6 accuracy gauges, and hanging hook. MADE IN USA

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|------------------------|--|--------------------------|--------------------------|--|--|--|--|--|
| | VORTECH [™] DEEP VACUUM VALVE MANIFOLDS | | | | | | | |
| | SPECIFICATIONS N. AMERICA S. AMERICA | | | | | | | |
| | Refrigerant Scales | R410a, R22, R404a | R410a, R22, R407c | | | | | |
| TION | Gauge Size / Type | 2 1/2" (68mm) | 2 1/2" (68mm) | | | | | |
| GAUGE DESCRIPTION | * Gauges built with Internal Silicon Dampening Cup for Flutter-Free operation | Class 1.6 Accuracy | Class 1.6 Accuracy | | | | | |
| | Pressure Scales | PSI | BAR / PSI | | | | | |
| | Temperature Scales | °F | °C | | | | | |
| FITTINGS | Manifold and Hose Fittings | 1/4" SAE 45° Fittings | 1/4" SAE 45° Fittings | | | | | |
| | Manifold & Gauges Only | MGH | MGO | | | | | |
| TWO VALVE MANIFOLDS | 3 Premium 5ft (150cm) Premium Barrier Hoses | MGHP5 | MGOP5 | | | | | |
| WO V | 3 Premium 5ft (150cm) Premium Barrier AB Hoses | MGHP5A | MGOP5A | | | | | |
| ⊢ <u>></u> | 3 Premium 5ft (150cm) Premium Barrier BV Hoses | MGHP5E | MGOP5E | | | | | |
| REPLACEMENT GAUGES | Low Side Gauge | RGHL | RGOL | | | | | |
| REPLA | High Side Gauge | RGHH | RGOH | | | | | |



MGHP5E

BRASS BODY SERIES THE ORIGINAL MANIFOLD DESIGN



BRASS BODY MANIFOLD SERIES

Brass series 2 valve forged brass body with $\frac{1}{4}$ " SAE 45° fittings, piston valves, 2 $\frac{1}{2}$ " (68mm) Class 1.6 accuracy gauges and hanging hook.

- Quality forged brass body
- Sliding double o-ring piston valve system
- Full sized porting for maximum flow
- No flutter gauges with rugged Metal housings
- Large easy-to-grip knobs

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| | SPECIFICATIONS | N. AMERICA | S. AMERICA |
|------------------------|--|--------------------------|--------------------------|
| | Refrigerant Scales | R134a, R22, R404a | R12, R22, R134a |
| TION | Gauge Size / Type | 2 1/2" (68mm) | 2 1/2" (68mm) |
| GAUGE DESCRIPTION | * Gauges built with Internal Silicon Dampening Cup for Flutter-Free operation | Class 1.6 Accuracy | Class 1.6 Accuracy |
| | Pressure Scales | PSI | PSI / kPa |
| | Temperature Scales | °F | °F / °C |
| FITTINGS | Manifold and Hose Fittings | 1/4" SAE 45° Fittings | 1/4" SAE 45° Fittings |
| -NE DS | Manifold & Gauges Only | M6D | M6Z |
| TWO VALVE MANIFOLDS | 3 Premium 3ft (150cm) Pro-Set Hoses | M6DP3 | M6ZP3 |
| MAI | 3 Premium 5ft (150cm) Pro-Set Hoses | M6DP5 | M6ZP5 |
| REPLACEMENT GAUGES | Low Side Gauge | RGDL | RGZL |
| REPLA | High Side Gauge | RGDH | RGZH |

BRASS BODY MANIFOLD CONFIGURATIONS

MANIFOLD & GAUGE ACCESSORIES

A complete line of repair kits, parts and accessories to keep your manifold tuned up and in top shape!



ITEM M2XHA

M2XRk M4XHA

M4XRM M5XRM MV2XR MV4XR

MV5XR

MVXK MXBK

MXC MX2C MXK

МХМН

MXPK MXPV MXPVC







MXPVO

MANIFOLD & GAUGE ACCESSORIES

| | The second secon |
|----|--|
| 1 | DESCRIPTION |
| A | 2-way hose anchor bracket for Vortech & diaphragm |
| K | Diaphragm valve repair kit: sevices 2 valves |
| A | 4-way hose anchor bracket for Vortech & diaphragm |
| K | Diaphragm valve repair kit: sevices 4 valves |
| K | Diaphragm valve repair kit: sevices 5 valves |
| K | Vortech valve repair kit: services 2 valves |
| K | Vortech valve repair kit: services 4 valves |
| ١K | Vortech valve repair kit: services 5 valves |
| (| Replacement valve handle w/ plugs for Vortech manifolds |
| (| Replacement valve handle for brass manifold |
| | Plastic carrying case for manifolds |
| ; | Rugged canvas carrying case for manifolds |
| | Replacement valve handle w/ labels for diaphragm manifolds |
| ł | Hanging hook for all manifolds |
| (| Replacement valve handle w/ labels for BLACKMAX manifolds |
| / | Complete BLACKMAX piston valve assembly |
| 0 | BLACKMAX piston valve seals repair kit: services 2 valves |
| | and the second property of the |



МХК

Visit us Online at www.cpsproducts.com



GAS PRESSURE TEST ASSEMBLIES

The GT1 and GT2 are designed to test the integrity of new installations for pressure leaks. Available with either a 3/4" or 1" FPT brass bell. Simply connect the test assembly, pressurize the system using the supplied access port and monitor the easy-to-read 3 1/2" / 80mm gauge for potential pressure drops that would indicate a leak.



GT3 FUEL OIL TEST KIT

The GT3 is a comprehensive test kit which includes the components necessary to test oil fuel pump performance while diagnosing related burner efficiency issues such as cleaner light-offs and coasting stops.

GT1 GAS TEST GAUGE

- Large 3 1/8" gauge easy to read
- 0-30 PSIG (0-2 BAR) pressure scale
- 1 PSIG increments
- 3/4" FPT hex style brass bell
- Access valve

GT2 GAS TEST GAUGE

- Large 3 1/8" gauge easy to read
- 0-30 PSIG (0-2 BAR) pressure scale
- 1 PSIG increments
- 3/4" FPT hex style brass bell
- Access valve

INCLUDES:

- 2 1/2" gauge, scale 30", 0-150 lbs
- 2 1/2" gauge, scale 30", 0-300 lbs
- 12" hose 1/4" Fem swivel x 1/4"
- Fem 45° swivel • 1/8 NPT x 1/4 Male SAE adapter
- 1/8 NPT x 1/4 Male SAE 90° adapter
- 1/4 NPT x 1/4 Male SAE adapter
- 1/4 NPT x 1/4 Male SAE 90° adapter
- Carrying Case



VACUUM / CHARGING HOSES OUR OFFERING IS AS FLEXIBLE AS OUR HOSES



VACUUM / CHARGING HOSES

PRO-SET® PREMIUM BARRIER CHARGING HOSES

• R-410A Compatible

HP3E

- 800 psi working pressure; 4000 psi burst
- Environment friendly Nylon Permeation Barrier meets SAE J2196
- Compatible with CFC, HCFC and HFC refrigerants & blends
- Available with MicroSeal or ball valve fittings









| | | WILL DOT 1 | N-SALING | · 299年17月 | | |
|------------------------|---------------|----------------------------|------------------|-----------------|---------|--|
| PREMIUM CHARGING HOSES | | | | | | |
| LE | NGTH | YELLOW | BLUE | RED | 3-PACK | |
| | 1/4 | " Premium Hose | s For All Refrig | erants | | |
| 3' - | - 90cm | HP3Y | HP3B | HP3R | HP3 | |
| 5' - | 150cm | HP5Y | HP5B | HP5R | HP5 | |
| 6' - | 180cm | HP6Y | HP6B | HP6R | HP6 | |
| | 1/4" Pr | emium Hoses W | ith 45° Ball Val | ve On End | | |
| 3' - | - 90cm | HP3YE | HP3BE | HP3RE | HP3E | |
| 5' - | 150cm | HP5YE | HP5BE | HP5RE | HP5E | |
| 6' - | 180cm | HP6YE | HP6BE | HP6RE | HP6E | |
| 1/4" | Premium Hoses | With MICROSE | AL™ Anti-Blow | back Valve On (| One End | |
| 3' - | - 90cm | HP3YA | HP3BA | HP3RA | HP3A | |
| 5' - | 150cm | HP5YA | HP5BA | HP5RA | HP5A | |
| 6' - 180cm | | HP6YA | HP6BA | HP6RA | HP6A | |
| | 1/4 | 4" Premium In-L | ine Ball Valve I | loses | | |
| 3' - 90cm | | HP3YL | HP3BL | HP3RL | HP3L | |
| 5' - 150cm | | HP5YL | HP5BL | HP5RL | HP5L | |
| 6' - 180cm | | HP6YL | HP6BL | HP6RL | HP6L | |
| | R-410A Pro | emium Hose w/ | Special 1/2"-20 |) UNF Fittings | | |
| 3' - | - 90cm | HJ3Y | HJ3B | HJ3R | HJ3 | |
| 5' - | 150cm | HJ5Y | HJ5B | HJ5R | HJ5 | |
| | WIT | H 45° BALL VAL\ | E FITTING IN O | NE END | | |
| 3' - | - 90cm | HJ3YE | HJ3BE | HJ3RE | HJ3E | |
| 5' - | 150cm | HJ5YE | HJ5BE | HJ5RE | HJ5E | |
| | 6 | 6" - 12" Ball Val v | ve Hose Extensi | ons | | |
| 6" | 1/4 SAE | HTYE | HTBE | HTRE | HTE | |
| 12" | 1/4 SAE | HT1YE | HT1BE | HT1RE | HT1E | |
| 6" | 1/2-20 UNF | HT410YEJ | HT410BEJ | HT410REJ | HT410EJ | |
| | Ŕ | | | | | |

VACUUM / CHARGING HOSES

STANDARD CHARGING HOSES

- •All-weather flexibility and strength
- •Extra deep knurling on nuts for easy grip
- •750 psi working pressure; 3000 psi burst
- •1/4" SAE fittings with 45° bend on one end
- ●Available with MicroSeal[™] or ball valve fittings
- •Leak-proof eight-sided crimp
- •Blow-off grooves channel refrigerant to prevent spray back

Integral adjustable valve core depressor can open all types of Schraeder valves.

| 07 | | | EC | | | |
|-------------------------|------------------|--------------|--------------|------------|--|--|
| STANDARD CHARGING HOSES | | | | | | |
| LENGTH | YELLOW | BLUE | RED | 3-PACK | | |
| | 1/4" Standa | rd Hoses | | | | |
| 3' - 90cm | HS3Y | HS3B | HS3R | HS3 | | |
| 4' - 120cm | HS4Y | HS4B | HS4R | HS4 | | |
| 5' - 150cm | HS5Y | HS5B | HS5R | HS5 | | |
| 6' - 180cm | HS6Y | HS6B | HS6R | HS6 | | |
| 8' - 240cm | HS8Y | HS8B | HS8R | HS8 | | |
| 10' - 300cm | HS10Y | HS10B | HS10R | HS10 | | |
| 1/4" Stand | dard Hoses With | 45° Ball Val | ve On End | | | |
| 3' - 90cm | HS3YE | HS3BE | HS3RE | HS3E | | |
| 5' - 150cm | HS5YE | HS5BE | HS5RE | HS5E | | |
| 6' - 180cm | HS6YE | HS6BE | HS6RE | HS6E | | |
| 8' - 240cm | HS8YE | HS8BE | HS8RE | HS8E | | |
| 1/4" Standard Hoses W | /ith MICROSEAL | Anti-Blow | back Valve | On One Enc | | |
| 3' - 90cm | HS3YA | HS3BA | HS3RA | HS3A | | |
| 5' - 150cm | HS5YA | HS5BA | HS5RA | HS5A | | |
| 6' - 180cm | HS6YA | HS6BA | HS6RA | HS6A | | |
| 8' - 240cm | HS8YA | HS8BA | HS8RA | HS8A | | |
| 1/4" ; | Standard In-Line | Ball Valve H | loses | | | |
| 3' - 90cm | HS3YL | HS3BL | HS3RL | HS3L | | |
| 5' - 150cm | HS5YL | HS5BL | HS5RL | HS5L | | |
| 6' - 180cm | HS6YL | HS6BL | HS6RL | HS6L | | |
| 8' - 240cm | HS8YL | HS8BL | HS8RL | HS8L | | |









PREMIUM 3/8" VACUUM / CHARGING HOSES

- 5/16" I.D. heavy-duty hose
- Permeation resistant barrier
 460 psi working pressure; 2300 psi burst



| ITEM | PARTS DESCRIPTION |
|---|--|
| HXGD2 | 1/2"-20 UNF &1/2" ACME Hose Gaskets |
| HX3G | 3/16" Hose Gasket (10) |
| HX14R | 14mm Hose Rings (10) |
| HX38G | 3/8" Hose Gaskets (10) |
| HXG2 | 1/2" UNF &1/2" ACME Hose Gaskets (10),core depressors (10) |
| HXGA | Microseal Antiblowback gaskets (10) |
| HXGA410 | 1/2"-20 UNF Microseal Antiblowback gaskets (10) |
| HXTG | 1/4" SAE Teflon hose gasket (10) |
| HXTG2 | 1/2"-20 UNF & 1/2" ACME Teflon hose gasket (10) |
| HX3G HX14R HX38G HXG2 HXGA HXGA410 HXTG | 3/16" Hose Gasket (10) 14mm Hose Rings (10) 3/8" Hose Gaskets (10) 1/2" UNF &1/2" ACME Hose Gaskets (10),core depressors (10) Microseal Antiblowback gaskets (10) 1/2"-20 UNF Microseal Antiblowback gaskets (10) 1/4" SAE Teflon hose gasket (10) |

REPLACEMENT HOSE GASKETS, DEPRESSORS & O-RINGS





PREMIUM PRESSURE CONTROL HOSES

- Replaces Standard Copper Capillary Tubing
- 1/4" SAE Hex Style Fittings



| a | | | | |
|--------------------------------|------------|------------------|--|--|
| Premium Pressure Control Hoses | | | | |
| LENGTH | 90° x 90° | ° Straight x 90° | | |
| 2' - 60cm | HHC2 | HHC2S | | |
| 3' - 90cm | HHC3 | HHC3S | | |
| 4' - 120cm | HHC4 | HHC4S | | |
| Premium 3/ | 8" Vacuum | /Charging Hoses | | |
| HOSE P/ | ŃΝ | LENGTH | | |
| WITHOUT BALL VALVE | | | | |
| HV3 3' - 90cm | | | | |
| HV5 | | 5' - 150cm | | |
| HV6 | 6' - 180cm | | | |
| HV8 8' - 240cm | | | | |
| WITH IN-LINE BALL VALVE | | | | |
| HV5E | | 5' - 150cm | | |
| | | | | |

CHARGING HOSE VALVES PRECISION MACHINED, SOLID BRASS















CHARGING HOSE VALVES

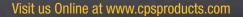
PREMIUM PRO-SET® BALL VALVES

- Add to existing hose to eliminate refrigerant loss and comply with EPA regulations
- Easy 1/4 turn open/close with rugged plastic composite color-coded handles
- Oversized chrome ball for smooth operation and non-restrictive flow
- Individual valves include all three color-coded handle inserts

| ITEM QTY / PK FEMALE MALE OTHER | | | | | | |
|---------------------------------|---------------|---------------------|---------------------------------|--------------------|--|--|
| BV | UII/FK | 1/4" SAE | 1/4" SAE | Straight | | |
| BV BV3 | 3 | 1/4" SAE | 1/4" SAE | Straight | | |
| BV3 BV38 | 1 | 3/8" SAE | 3/8" SAE | Straight | | |
| BV30 BV410 | 1 | 1/2" - 20 UNF | 1/2" - 20 UNF | Straight | | |
| BV410 BV41018 | 1 | 1/2 - 20 UNF | 1/2 - 20 UNF x 1/8" MNPT | Straight | | |
| BV41018 | 3 | 1/2" - 20 UNF | 1/2 20 UNF X 1/8 WINFT | Straight | | |
| BV4103 BV41090A | 1 | 1/2" - 20 UNF 90° | 1/4" SAE | 90° FM | | |
| BV41090A BV410A | 1 | 1/2 - 20 UNF 90 | 1/4" SAE | | | |
| BV410A BV45 | 1 | 1/4" SAE 45° | 1/4" SAE | Straight 45° FM | | |
| BV45 BV453 | 3 | 1/4" SAE 45° | 1/4" SAE | 45° FM | | |
| BV455 BV90 | 1 | 1/4" SAE 45 | 1/4" SAE | 45 FM | | |
| BV903 | 3 | 1/4" SAE 90° | 1/4" SAE | 90° FM | | |
| BV903 BVAD38 | 1 | 3/8" SAE | 1/4" SAE | Straight | | |
| BVBH | 1 | 3/0 3AL | 1/4" SAE x 1/16" MNPT | Bulkhead | | |
| BVBN | 1 | | 1/4" SAE x 1/4" SAE | Straight | | |
| BVM3 | 3 | | 1/4" SAE x 1/4" SAE | Straight | | |
| | | | | Ŭ | | |
| BVXH | 3 | | all Valve Handle w/1 ea (Yellow | , | | |
| | IICROSEAL | ANTI-BLOWBA | CK VALVE SPECIFIC | ATIONS | | |
| AB | 1 | 1/4" SAE | 1/4" SAE | Straight | | |
| AB12 | 1 | 1/2" ACME | 1/2" ACME | Straight | | |
| AB3 | 3 | 1/4" SAE | 1/4" SAE | Straight | | |
| AB410 | 1 | 1/2" - 20 UNF | 1/2" - 20 UNF | Straight | | |
| AB4103 | 3 | 1/2" - 20 UNF | 1/2" - 20 UNF | Straight | | |
| AB41090A | 1 | 1/2" - 20 UNF | 1/4" SAE | 90° FM | | |
| AB410A | 1 | 1/2" - 20 UNF | 1/4" SAE | Straight | | |
| AB90 | 1 | 1/4" SAE 90° | 1/4" SAE | 90° FM | | |
| AB903 | 3 | 1/4" SAE 90° | 1/4" SAE | 90° FM | | |
| ABG18 | 1 | 1/4" SAE x 1/8"FNPT | | 1/8" FNPT is not | | |

BRASS ADAPTERS, FITTINGS & VALVE CORE TOOLS

MANUFACTURED TO STRINGENT INDUSTRY STANDARDS



| BRASS ADAPTERS | | | | | |
|----------------|----------|------------------|----------------------|-------------------------|--|
| ITEM | QTY / PK | FEMALE | MALE | OTHER | APPLICATION |
| AD12 | 1 | 1/2" ACME | LO-side R-134a | - | R-134a automotive tanks |
| AD12B | 100 | 1/2" ACME | LO-side R-134a | Bulk | R-134a automotive tanks |
| AD14 | 1 | - | 14mm x 1/4" SAE | - | R-134a automotive couplers |
| AD14B | 100 | - | 14mm x 1/4" SAE | Bulk | R-134a automotive couplers |
| AD18C | 1 | 1/4" SAE | 1/8" SAE | w/ valve core | Manifolds, Compressors |
| AD24 | 6 | - | 1/4" SAE x 1/8" MNPT | w/ valve core | Manifolds, Compressors |
| AD24B | 100 | - | 1/4" SAE x 1/8" MNPT | Bulk | 1/4" Service Manifolds |
| AD36 | 1 | 3/16" SAE | 1/4" SAE | no valve core | TLVC Valve Core Tool for R-12 Auto. HI-s |
| AD36C | 1 | 3/16" SAE | 1/4" SAE | w/ valve core | Automotive Adapter |
| AD41 | 1 | 3/4" -14 | 1/4" SAE | w/ gasket | Large 125 lb cylinders |
| AD41B | 100 | 3/4" -14 | 1/4" SAE | Bulk | Large 125 lb cylinders |
| AD61 | 1 | 3/4" -14 | 3/8" SAE | w/ gasket | Large 125 lb cylinders |
| AD61B | 100 | 3/4" -14 | 3/8" SAE | Bulk | Large 125 lb cylinders |
| AD44 | 6 | - | 1/4" SAE x 1/4" MNPT | w/ valve core & cap | Vacuum Pumps, Compressors |
| AD44B | 100 | - | 1/4" SAE x 1/4" MNPT | Bulk | Vacuum Pumps, Compressors |
| AD47 | 1 | - | 1/4" SAE X 1/4" SAE | - | 1/4" Hose Union |
| AD47B | 100 | - | 1/4" SAE X 1/4" SAE | Bulk | 1/4" Hose Union |
| AD48 | 3 | 1/4" SAE | 1/2" ACME | w/ valve core | Vacuum Pumps/Manifolds/Recovery/Tan |
| AD48B | 50 | 1/4" SAE | 1/2" ACME | w/ valve core | Vacuum Pumps/Manifolds/Recovery/Tan |
| AD48C | 300 | 1/4" SAE | 1/2" ACME | no valve core | Vacuum Pumps/Manifolds/Recovery/Tan |
| AD68 | 3 | 1/4" SAE | 3/8" SAE | w/core & Depressor | Vacuum Pumps |
| AD68V | 1 | 1/2" ACME | 3/8" SAE | w/core & Depressor Bulk | Vacuum Pumps |
| AD78 | 1 | 1/4" SAE | 1/2"-20 UNF | w/ valve core | R-410A International |
| AD78B | 100 | 1/4" SAE | 1/2"-20 UNF | Bulk | R-410A International |
| AD81 | 1 | 3/4" -14 | 1/2" ACME | w/ gasket | Large 125 lb cylinder |
| AD81B | 100 | 3/4" -14 | 1/2" ACME | Bulk | Large 125 lb cylinder |
| AD84 | 3 | 1/2" ACME | 1/4" SAE | no valve core | Vacuum Pumps/Manifolds/Recovery/Tan |
| AD84B | 100 | 1/2" ACME | 1/4" SAE | Bulk | Vacuum Pumps/Manifolds/Recovery/Tan |
| AD84C | 3 | 1/2" ACME | 1/4" SAE | w/ valve core | Vacuum Pumps/Manifolds/Recovery/Tan |
| AD84CB | 100 | 1/2" ACME | 1/4" SAE | Bulk | Vacuum Pumps/Manifolds/Recovery/Tan |
| AD87 | 1 | 1/2"-20 UNF | 1/4" SAE | w/ valve core | R-410A International |
| AD87S | 1 | 1/2"-20 UNF SWVL | 1/4" SAE 55D | w/ valve core | R-410A International |
| AD149C | 1 | 1/4" SAE | 1/4" SAE 90D | w/ valve core | Automotive Adapter |
| AD369C | 1 | 3/16" SAE | 1/4" SAE 90D | w/ valve core | Automotive Adapter |
| AD849C | 3 | 1/2" ACME 90° | 1/4" SAE 90D | w/ valve core | Automotive Adapter |
| AD51B | 100 | 5/8 BPS | 1/4" SAE | Bulk | Large Cylinder Adapter |
| AD64 | 1 | 1/4" SAE | 3/8" SAE | adapter | - |
| AD91 | 1 | 21.8 Whitworth | 3/8" SAE | w/ gasket | Large Cylinder Adapter |
| AD91B | 100 | 21.8 Whitworth | 1/4" SAE | Bulk | Large Cylinder Adapter |
| AD91D AD91C | 1 | 21.8 Whitworth | - | Cap w/ Gasket | |
| AD91CB | 100 | 21.8 Whitworth | | Bulk | |

ADAPTERS / FITTINGS & VALVE CORE TOOLS

| QUI | CK SEAL | O-RING CAPS & VALVE CORES | | | | |
|-----------|----------|---|--|--|--|--|
| ITEM | QTY / PK | DESCRIPTION | | | | |
| AVC134C | 2 | 1/2" ACME Brass Caps w/Chain | | | | |
| AVC134CB | 100 | 1/2" ACME Brass Caps w/Chain (BULK) | | | | |
| AVC134H | 10 | R-134a HI Side Caps | | | | |
| AVC134HB | 100 | R-134a HI Side Caps | | | | |
| AVC134L | 10 | R-134a LO Side Caps | | | | |
| AVC134LB | 100 | R-134a LO Side Caps | | | | |
| AVC134PS | 2 | 1/2" ACME Plastic Cap w/ Straps | | | | |
| AVC134PSB | 100 | 1/2" ACME Plastic Cap w/ Straps | | | | |
| AVC2 | 10 | 1/4" Aluminum Term Caps | | | | |
| AVC3 | 10 | 3/16" Aluminum Term Caps | | | | |
| AVC3P | 10 | 3/16" Plastic Caps | | | | |
| AVC3PB | 10 | 3/16" Plastic Caps | | | | |
| AVC410 | 10 | 1/2"-20 UNF SAE Brass Caps | | | | |
| AVC410B | 100 | 1/2"-20 UNF SAE Brass Caps | | | | |
| AVC410C | 2 | 1/2" -20 UNF SAE Brass Caps w/ Chain | | | | |
| AVC410CB | 100 | 1/2" -20 UNF SAE Brass Caps w/ Chain (BULK) | | | | |
| AVC4 | 10 | 1/4" SAE Brass Caps | | | | |
| AVC425 | 25 | 1/4" SAE Brass Caps | | | | |
| AVC4B | 100 | 1/4" SAE Brass Caps Bulk | | | | |
| AVC4C | 2 | 1/4" SAE Brass Caps w/ Chain | | | | |
| AVC4CB | 100 | 1/4" SAE Brass Caps w/ Chain (BULK) | | | | |
| AVC4P | 6 | 1/4" SAE Plastic Caps | | | | |
| AVC4PB | 100 | 1/4" SAE Plastic Caps | | | | |
| AVC6C | 2 | 3/8" SAE Brass Caps w/ Chain | | | | |
| AVC6CB | 100 | 3/8" SAE Brass Caps w/ Chain (BULK) | | | | |
| AVC8C | 2 | 1/2" SAE Brass Caps w/ Chain | | | | |
| AVC8BC | 100 | 1/2" SAE Brass Caps w/ Chain (BULK) | | | | |
| AVC4PS | 6 | 1/4" SAE Plastic Caps w/ Straps | | | | |
| AVC4R | 6 | 1/4" SAE Brass Caps w/ Core Remover | | | | |
| AVC4RB | 100 | 1/4" SAE Brass Caps w/ Core Remover Bulk | | | | |
| AVC6P | 3 | 3/8" SAE Plastic Caps | | | | |
| AVLP | 1 | Univ. Line Tap Valve 3/16" - 3/8" O.D. | | | | |
| AVS1 | 10 | Valve Cores | | | | |
| AVS125 | 25 | Valve Cores | | | | |
| AVS1B | 100 | Valve Cores Bulk | | | | |
| AVS1BC | 1000 | Valve Cores Bulk | | | | |
| AVS2 | 10 | GM Large Bore Valve Core | | | | |
| AVS3 | 10vv | JRA 6mm Valve Cores | | | | |



VALVE CORE TOOL ACCESSORIES

| ITEM | DESCRIPTION | | |
|------------|---|--|--|
| TLVC | 1/4" SAE Remover & Installer | | |
| TLVCS | 1/4" SAE valve core remover & installer w/side port | | |
| TLVC1 | Standard Valve Core w/3 cores | | |
| TLVC2 | Dual Valve Core Standard & Large Bore Remover/Installer | | |
| TLVC2B | Dual valve core tool (Bulk 100pk) | | |
| TLVC4 | Valve Core Remover/Installer with Port Rethreader | | |
| TLVC6 | JRA 6mm Valve Core Remover/Installer | | |
| TLVC134 | R-134a Valve Core Remover & Installer | | |
| TLVC410 | 1/2"-20 UNF Remover/Installer | | |
| TLVCS410 | 1/2"-20 UNF Valve Core Remover/Installer w/side port | | |
| TLVC810 | EATON 8 & 10mm Valve Core Remover/Installer | | |
| TLXVCBC | Broken Schrader Extractor Tool for TLVC/TLVCS | | |
| TLXVCRT | Schrader Rethreading Tool for TLVC/TLVCS | | |
| TLXVCT | Digital Thermometer Accessory for TLVC/TLVCS | | |
| TLXVC410BC | Broken Schrader Extractor Tool for TLVC410/TLVCS410 | | |
| TLXVC410RT | Schrader Rethreading Tool for TLVC410/TLVCS410 | | |





AVB34 - 6PK AVB34B - 100PK 3/16" ID x 1/4" 0D



AVB346 - 6PK AVB346B - 100PK AVB346BU - 100PK unassbld AVB346RB - 100PK cap w/core tool 3/16" ID x 1/4" 0D x 3/8" 0D



AVB46 - 6PK AVB46B - 100PK 1/4" ID x 3/8" 0D



| 1/4"SAE TEE CONNECTORS | | | | |
|----------------------------|--------|--|--|--|
| ITEM | Qty/Pk | DESCRIPTION | | |
| AVT2P | 3 | 1/4" Male w/Cap & Valve Core x 1/4" Male x 1/8" MNPT | | |
| AVT4 | 3 | 1/4" Male w/Cap & Valve Core x 1/8" MNPT x 1/4" Male | | |
| AVT4B | 100 | 1/4" Male w/Cap & Valve Core x 1/8" MNPT x 1/4" Male | | |
| AVT4P | 3 | 1/4" Male w/Cap & Valve Core x 1/4" Male x 1/4" MNPT | | |
| AVT4M | 3 | 1/4" Male x 1/8" MNPT x 1/4" Male w/Core | | |
| AVT44 | 3 | 1/4" Female Hex x 1/4" SAE male x 1/4" male w/Cap & Valve Core | | |
| AVT45 | 3 | 1/4" Male x 1/4" Female Knurl x 1/4" Male | | |
| AVT48 | 1 | 1/4" Male x 1/4" Female Knurl x 1/2" Acme Male | | |
| AVT64 | 3 | 1/4" Male w/Cap & Valve Core x 1/4" Male x 1/4" Female Hex | | |
| AVT64B | 100 | 1/4" Male w/Cap & Valve Core x 1/4" Malex 1/4" Female Hex | | |
| AVT87 | 1 | 1/4" Male x 1/2"-20 UNF Female x 1/2"-20 UNF Male (R-410A) | | |
| 1/4" SAF ACCESS VALVE WITH | | | | |

1/4" SAE ACCESS VALVE WITH COPPER TUBE ON BRANCH

| ITEM | Qty/Pk | DESCRIPTION |
|--------|--------|-------------------------|
| AVCT4 | 3 | 1/4" SAE x 1/4" 0.D.F |
| AVCT4B | 100 | 1/4" SAE x 1/4" 0.D.F |
| AVCT5 | 3 | 1/4" SAE x 5/16" 0.D.F |
| AVCT6 | 3 | 1/4" SAE x 3/8" 0.D.F |
| AVCT8 | 3 | 1/4" SAE x 1/2" 0.D.F |
| AVCT10 | 1 | 1/4" SAE x 5/8" 0.D.F |
| AVCT12 | 1 | 1/4" SAE x 3/4" 0.D.F |
| AVCT14 | 1 | 1/4" SAE x 7/8" 0.D.F |
| AVCT18 | 1 | 1/4" SAE x 1-1/8" 0.D.F |
| | | |



and a

AVB456 - 6PK AVB456B - 100PK 1/8" ID x 3/16", 1/4", 5/16"

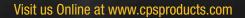
AVB6 - 6PK AVB6B - 100PK AVB6BC -100PK w/o caps 6-8-10mm 0D Solder

HVAC/R ACCESS FITTINGS

| STANDARD CAP | | | WRENCH CAP | |
|--------------|---------|---|------------|--------|
| 6pk | 100pk | DESCRIPTION | 6pk | 100pk |
| AV2 | AV2B | 1/8" 0.D.x 1/16" I.D. | AV2R | AV2RB |
| AV2P | AV2PB | 1/8" MPT x 1/4" I.D. | N/A | N/A |
| AV3 | AV3B | 3/16" O.D. x 1/8" I.D. | AV3R | AV3RB |
| AV4 | AV4B | 1/4" 0.D. x 3/16" I.D. | AV4R | AV4RB |
| | AV4BU | 1/4" 0.D. x 3/16" I.D. UNASSMBLD | N/A | N/A |
| AV4L | AV4LB | 1/4" O.D. x 3/16" I.D. W/4" COP-TB EXT | AV4LR | AV4LRB |
| AV4P | AV4PB | 1/4" MPT x 1/4" I.D. SOL | N/A | N/A |
| AV5 | AV5B | 5/16" 0.D. x 1/4" I.D. | AV5R | AV5RB |
| AV6 | AV6B | 3/8" 0.D. x 5/16" I.D. | AV6R | AV6RB |
| AV6MM | AV6MB | 6mm 0.D. x 5mm I.D. | AV6MR | AV6MRB |
| AV4410 | AV4410B | 1/2-20 ACCES,1/4" 0.D. X 3/16" I.D. | N/A | N/A |
| AV46M | AV46MB | 6mm 0.D. x 1/4" 0.D. | N/A | N/A |



TUBING TOOLS ERGONOMIC TOOLS FOR CUTTING, FORMING & BENDING



PRO-SE

TUBING TOOLS



PRO-SET[®] HEAVY DUTY TITANIUM TUBE CUTTERS

You need tools that work as hard as you do and nothing outperforms like the power of the Pro-Set Titanium HD series. Put them to work for you on your next job.

PERFORMANCE THAT REALLY MAKES THE CUT

KEY FEATURES:

- All cutter wheels are precision machined from high grade chromium steel and plated with Titanium Nitride to increase life up to 5 times longer
- Precision machined rollers feature cut-off groove to reduce tube loss in damaged flare removal
- Durable metal handle with industrial grade rubber boot provides sure comfortable grip
- Integrated retractable and replaceable rotary reamer tool for ease in deburring pipe
- Enclosed hardened steel, thrust bearing feed mechanism for smooth cutting action and trouble free operation
- Available in 5 popular configurations to accommodate cutting of 1/8" (4mm) up to 2 5/8" (66mm) 0.D. tubing
- Produces clean right angle cuts every time

| TITANIUM TUBE CUTTERS | | | |
|-----------------------|---------------------------|--------------------------------|--|
| ITEM | CUTTING RANGE (inches) | CUTTING RANGE (millimeters) | |
| TCPVC | 1/4" - 2 5/8" | 6 to 68mm | |
| TCT174 | 1/8" - 1 1/8 | 3 to 30mm | |
| TCT206 | 1/4" - 2 5/8" | 6 to 68mm | |
| TCT127 | 1/8" - 5/8" | 3 to 16mm | |
| TCT274 | 1/8" - 1 3/8" | 3 to 35mm | |
| TCT312 | 1/8" - 1 3/4" | 3 to 45mm | |
| ų I | | and the set | |

TCT SPECIFICATIONS



RATCHETING PVC TUBE CUTTER:

- Ratcheting PVC tube cutter
- · Heavy duty all metal construction
- Capacity up to 5/8"
- Cuts CPVC, PVC, plastic & rubber tubing

Integrated retractable and replaceable reamer tool



TUBING TOOLS





TC206 Premium ratchet feed tube cutter Capacity: 3/8" to 2-5/8" 0.D.

* Ratchet feed mechanism speeds up cutting operation.

TC312 Heavy duty tube cutter Capacity: 1/4" to 1-5/8" (7mm to 41mm)

* Spare Cutting Wheel Located under retractable locking reamer.





TC174 Big mini tube cutter

Capacity: 3/8" to 1-1/8" (9.5mm to 28mm)

* Wide Flare Cut-off Groove to accommodate flares on large size tubing.





TC127 Mini tube cutter

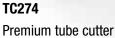
Capacity: 1/8" to 5/8" (4mm to 15mm)

PRO-SET[®] TUBE CUTTER SPECIFICATIONS

| ITEM | DESCRIPTION |
|----------|---|
| TC174 | Big Mini Tube Cutter 3/8" - 1 1/8", 9.5 - 28 mm |
| TCX7C | TC127 Cutting Wheel- (10 PK) |
| TCX7S | TC127 Cutting Wheel Screw- (10 PK) |
| TC312 | Heavy Duty Tube Cutter 1/4" to 1 5/8", 7 to 41 mm |
| TCX4C | TC274 / 312 Cutting Wheel- (10 PK) |
| TCX4R | TC274 / TC312 Reamer Blade |
| TCX4RS | TC274 / TC312 Reamer Blade Screw |
| TCX4S | TC274 / TC312 Cutting Wheel Screw- (10 PK) |
| TCSET | TC127 / TC274 Tubing Cutter Set |
| TC100 | Tube Cutter - 1/4" - 7/8". 6 - 23mm |
| TCX4CS | Cutting Wheel and Screw for TC274 / TC312 |
| TCX7CS | Cutting Wheel and Screw for TC127 |
| TCX100CS | Cutting Wheel and Screw for TC100 |
| TCX4CTS | Titanium Cutting Wheel and Screw for TCTC174/274/312 |
| TCX6CTS | Titanium Cutting Wheel and Screw for TC206 |
| TCX7CTS | Titanium Cutting Wheel and Screw for TC127 |
| | |

TC274

Capacity: 1/8" to 1-1/8"



(4mm to 28mm)







TCX4C











TB04



TB12MM

TB05

TB16MM





PRO-SET® TUBE BENDERS

You need tools that work as hard as you do and nothing outperforms like the power of the Pro-Set Tube Bender series. Put them to work for you on your next job.

TB250

Universal ratchet tube bender for soft copper, aluminum, and light wall hydraulic tubing from 3/8" to 7/8"

Sizes: 1/4", 3/8", 1/2", 5/8", 3/4", 7/8" (6, 8,10, 12, 16, 19, 22mm)

| ITEM | DESCRIPTION |
|--------|--|
| TB04 | 1/4" Tube Bender |
| TB05 | 5/16" - 8 mm Tube Bender |
| TB06 | 3/8" Tube Bender |
| TB08 | 1/2" Tube Bender |
| TB10 | 3/4" Tube Bender |
| TB12 | 5/8" Tube Bender |
| TB14 | 7/8" Tube Bender |
| TB250 | Universal Tube Bender, TC274, Reamer |
| TB368 | Universal Tube Bender 1/4"-5/16"-3/8" 6-8-10 mm |
| TB6MM | 6 mm Tube Bender |
| TB10MM | 10 mm Tube Bender |
| TB12MM | 12 mm Tube Bender |
| TB15MM | 15 mm Tube Bender |
| TB16MM | 16 mm Tube Bender |
| TB10XH | Replacement Hook with Screw |
| TB12XH | TB12 Replacement Hook with Screw |
| TBXB1 | Small Bending Bar |
| TBX2 | Large Bending Bar |
| TBXM10 | Mandrel 3/8" / 10MM |
| TBXM14 | Mandrel 1/2" / 14MM |
| TBXM16 | Mandrel 5/8" / 16MM |
| TBXM19 | Mandrel 3/4" / 19MM |
| TBXM22 | Mandrel 7/8" / 22MM |
| TBXM6 | Mandrel 1/4" / 6MM |
| TBXM8 | Mandrel 5/16" / 8MM |
| TBXR | Ratchet Mechanism |
| | |

Call and Speak to a Sales Rep: 305-687-4121 / 1-800-277-3808

PRO-SET® FLARING & SWAGING TOOLS

Effeciently connect gas pipes and copper tubing with premium Pro-Set branded flaring and swaging tools.

| | Carlos Carlos |
|------------|--|
| ITEM | DESCRIPTION |
| FS226 | Tube Cutting/Double Flaring Set 1/8" - 3/4" |
| FS226M | Metric Tube Cutting/Double Flaring Set 4.75, 6, 8, 10mm |
| FS275 | 45° Flaring & Swaging Kit 1/8" - 3/4" |
| FS275M | 45° Flaring & Swaging Kit Metric |
| FSX501 | FS275 Bar 7/16", 1/4", 1/8", 3/16", 5/16", 3/8" |
| FSX502 | FS275 Short Bar 1/2", 5/8", 3/4" 0.D |
| FSX503 | FS275 5/16" Swaging Adapter |
| FSX504 | FS275 3/16" Swaging Adapter |
| FSX505 | FS275 1/2" Swaging Adapter |
| FSX506 | FS275 5/8" Swaging Adapter |
| FSX507 | FS275M 8, 12, 14, 16, 22 MM Swaging Adapter |
| FSX508 | FS275 3/4" Swaging Adapter |
| FSX509 | FS275 Yoke Assembly |
| FSX511 | FS275M 15, 16mm Flaring Bar Metric |
| FSX512 | FS275M 4, 18, 22mm Flaring Bar Metric |
| FSX513 | FS275 Compressor Cone |
| FT195 | 45° Flaring Tool 3/16" to 5/8" |
| FT500 | 45° Flaring/Burning Tool Metric 3/16" TO 5/8" |
| FT500M | 45°Flaring/Burning Tool Metric 6mm to 16mm |
| FT525 | Adjustable Flaring Tool 3/16" to 5/8"/ 5 to 16mm |
| FT800FN | R-410A Imperial Concentric Flaring Tool w/Ratchet 3/16",1/4", 5/16" 3/8", 1/2", 5/8", 3/4" |
| FT806A | Imperial Eccentric Flaring Tool w/Ratchet 3/16",1/4", 5/16", 3/8", 1/2", 5/8", 3/4" |
| FT806M | Metric Eccentric Flaring Tool w/Ratchet 6, 8, 10, 12, 15, 16, 18mm |
| FTX500 | FT195 Yoke Assembly |
| FTX501 | FT195 Flaring Bar 5/16", 3/8", 7/16" |
| FTX509 | FT195 Compressor Cone |
| FTX510 | FT195 Wing Nut |
| FTX513 | FT500 Yoke Assembly |
| FTX514 | FT500 Die Holder Assembly |
| FTX515 | FT500M Die Holder Assembly |
| FTX516 | FT525 Yoke Assembly |
| FTX517 | FT525 Tube Holding Assembly |
| FTX518 | FS275 Yoke Assembly |
| FTX800B410 | FT800FN R410A Imperial Flaring Bar |
| FTX800BA | FT806A Imperial Flaring Bar |
| FTX800BM | FT806M Metric Flaring Bar |
| FTX800R | Ratchet for FT800FN/FT806A/FT806M |
| FTX800Y | Yoke Assembly FT800FN/FT806A/FT806M |



FT800FN

- Engineered specifically to create stronger flare joints for higher pressure R-410A systems.
- Unique clutch driven feed screw and eccentrically mounted cone produces uniform, clean flare walls without galling.
- Exclusive 3/8"sq drive incorporated directly in yoke handle for use with ratchet (included).
- Rugged polyethylene storage case included.



FT525 Universal/Adjustable Flaring Tool 3/16" to 5/8" (5mm to 16mm)



FS275 45° Flaring & Swaging Kit 1/8" - 3/4" **FT195** 45° Flaring Tool 3/16" to 5/8"

FT203 Flaring Tool 5/8", 3/4", 7/8", & 1 1/8" 0.D

FEATURES OF THE FT500

- Slot in yoke is used for tube height gauge.
- Sliding dies with lever clamping action.
- Yoke slips over top of bar, then locks into position with slight turn.



*All flaring tools listed are recommended for softer thin-walled materials such as copper, aluminum, and brass



PRO-SET® METRIC TORQUE WRENCH SET

Professional interchangeable jaw torque wrench set ensures compliance with OEM torque settings for high pressure systems.

- Interchangeable 17, 22, 24, 26, 27 & 29mm jaw sizes.
- Corresponding settings clearly marked on torque wrench in Newton Meters (10-75Nm).
- Provides consistently accurate readings and rugged, trouble free performance.
- Includes storage case for long-term protection.



TLTWSM

DEBURRING TOOLS /UNIVERSAL REAMER TOOL

TLRM

Pocket Deburring Tool





PRO-SET® TUBE EXPANDER / SWAGING SET

TLE6/TLE6M (metric)

- Create professional grade one seam pipe unions in the field.
- Multi-faceted interchangeable heads ensure equal linear expansion of tubing and uniformed wall thickness.
- Extended handle length provides added leverage for ease of operation.
- Re-round deformed tubing and fabricate couplings.
- Components are heat treated for durability.
- Ideal for copper, aluminum and soft steel tubing.
- Includes storage case for long-term protection.
- Components are heat treated for durability.
- Ideal for copper, aluminum and soft steel tubing.
- Includes storage case for long-term protection.



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|--------|--|
| ITEM | DESCRIPTION |
| TLE6 | Tube expander set with 6 heads 3/8", 1/2", 5/8", 3/4", 7/8", 1 1/8" |
| TLE6M | Tube expander set with case includes: 10, 12, 15, 18, 22, 28mm |
| TLE601 | Expander tool only |
| TLH06 | 3/8" Expander Head (Standard in TLE6) |
| TLH08 | 1/2" Expander Head (Standard in TLE6) |
| TLH10 | 5/8" Expander Head (Standard in TLE6) |
| TLH12 | 3/4" Expander Head (Standard in TLE6) |
| TLH14 | 7/8" Expander Head (Standard in TLE6) |
| TLH16 | 1" Expander Head |
| TLH18 | 1 1/8" Expander Head (Standard in TLE6) |
| TLH22 | 1 3/8" Expander Head |
| TLH26 | 1 5/8" Expander Head |
| TLHM10 | 10mm Expander Head (Standard in TLE6M) |
| TLHM12 | 12mm Expander Head (Standard in TLE6M) |
| TLHM15 | 15mm Expander Head (Standard in TLE6M) |
| TLHM16 | 16mm Expander Head |
| TLHM18 | 18mm Expander Head (Standard in TLE6M) |
| TLHM20 | 20mm Expander Head |
| TLHM22 | 22mm Expander Head (Standard in TLE6M) |
| TLHM28 | 28mm Expander Head (Standard in TLE6M) |
| TLHM35 | 35mm Expander Head |
| TLHM42 | 42mm Expander Head |
| | |

ACCESSORY HEAD SPECIFICATIONS

Call and Speak to a Sales Rep: 305-687-4121 / 1-800-277-3808

TUBING TOOLS

BLACKMAX® PREMIUM TUBING TOOLS

Introducing BlackMAX hand tools- a new line of premium grade, good-looking and hard-working hand tools from CPS. For cutting, deburing, flaring, expanding and bending soft copper and aluminum tubing. BlackMAX hand tools also include a line of 2 and 3 jaw gear pullers. Premium form, function and ergonomics at affordable prices. Try them today and see the difference!



BTC200

BTC200R



Patented "Set and Cut" technology provides easy tube cutting with little or no readjustment required.



Quick release pin for fast replacement of cutting wheels

| TUBE CUTTERS | | | | | |
|--------------|-------------------|-----------------------|--|--|--|
| ITEM | SPECIFICATIONS | DESCRIPTION | | | |
| BTC200 | 1/8"-7/8"0D | TUBE CUTTER | | | |
| BTC200R | 1/8"-7/8"0D | RATCHET TUBE CUTTER | | | |
| BTC300 | 3/16" - 1-1/4" OD | TUBE CUTTER | | | |
| GEAR PULLERS | | | | | |
| BTLGP4 | 4" 3 | JAW GEAR PULLER | | | |
| BTLGP7 | 7" 3 | JAW GEAR PULLER | | | |
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SPECIFICATIONS





Patented design enables fast configuration of two or three puller arms for inward or outward gripping positions.

BTC300



Visit us Online at www.cpsproducts.com

Pg 75

TUBE EXPANDER KIT



BTLE9 Includes 1/4" + 5/16" Expander Heads **RATCHET TUBE BENDER**



Color Code System

BTB300

- Solid Aluminum Mandrels
- Reverse Bend Mechanism

Patented 2 position handle BTB12



Lightweight Design R410A Capable

BFT850FN

| FLARING TOOLS | | | |
|--------------------|---|--|--|
| ITEM | SPECIFICATIONS | DESCRIPTION | |
| BFT850FN | 3/16, 1/4, 5/16, 3,8, 1/2, 5/8, 3/4" OD | LIGHT WEIGHT CONCENTRIC FLARING TOOL | |
| | TUBE EXPANI | DER | |
| BTLE9 | 1/4, 5/16, 3/8, 1/2, 5/8, 3/4, 7/8, 1, 1-1/8" OD | Premium Tube Expanding Kit | |
| | TUBE BEND | ER | |
| BTB300 | 1/4, 5/16, 3/8, 1/2, 5/8, 3/4, 7/8" OD | RATCHET TUBE BENDER W/ REVERSE OPTION | |
| LEVER TUBE BENDERS | | | |
| BTB06 | 3/8 OD | Premium Lever Tube Bender | |
| BTB08 | 1/2 OD | Premium Lever Tube Bender | |
| BTB10 | 5/8 OD | Premium Lever Tube Bender | |
| BTB12 | 3/4 OD | Premium Lever Tube Bender | |
| BTB14 | 7/8 OD | Premium Lever Tube Bender | |
| | DEBUR TOC |)L | |
| BTLDB3 | PREMIUM BU | JILT DEBURING TOOL | |
| | | State Barbara State | |

SPECIALTY HAND TOOLS

COMPLETE TOOL KITS FOR FAST, CONVENIENT REPAIRS

TLB410A TOOL KIT

R-410A Ductless mini-split tool kit with Triple-Seal 2 valve manifold (MEHP5E) and metric torque wrench set

CDS

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SPECIALTY HAND TOOLS

CPS® EXTRA DURABLE TOOL BAGS

Organize your tools with care with this extra strong, premium built series of tool bags from CPS.



| (| | | |
|----------------|--|--|--|
| ITEM | DESCRIPTION | | |
| TLB410A | Universal R-410A Service Tool Kit 1/4" & 5/16" (1/2"-20 UNF) Triple-Seal MEHP5E manifold, metric torque set | | |
| TLB410AC | Universal R-410A Service Tool Kit 1/4" & 5/16" (1/2"-20 UNF) BlackMax MBH5P5Z manifold | | |
| TLB410AC2 | Universal R-410A Service Tool Kit 1/4" & 5/16" (1/2"-20 UNF) BlackMax MBH4P5EZ manifold | | |
| TLB410SAE | Universal R-410A Service Tool Kit 1/4" & 5/16" (1/2"-20 UNF) Triple-Seal MEHP5E manifold, SAE torque set | | |
| CPS® TOOL BAGS | | | |
| TLBAG1 | Square Tool Organizer | | |
| TLBAG2 | 16" Rubber Bottom Tool Organizer | | |
| TLBAG3 | Tool Belt Tool Organizer | | |
| | | | |

TLB410AC2 TOOL KIT

R-410A Ductless mini-split tool kit with BlackMax Black & Chrome 2 valve manifold (MBH4P5EZ) and metric torque wrench set

TLB410AC TOOL KIT

R-410A Ductless mini-split tool kit with BlackMax Black & Chrome 2 valve manifold (MBH5P5Z) and metric torque wrench set

TLB410SAE TOOL KIT

R-410A Ductless mini-split tool kit with Triple-Seal 2 valve manifold (MEHP5E) and SAE torque wrench set

Call and Speak to a Sales Rep: 305-687-4121 / 1-800-277-3808

CDS

SPECIALTY HAND TOOLS



PRO-SET® 6-IN-1 AUTO-LOADING SCREWDRIVER

- Patented auto loading bit design
- 6 replaceable industrial grade 1/4" hex bits
- Includes standard valve core tool bit
- Magnetic head holds fastener in place
- Ergonomic high impact housing design
- Standard 1/4" hex drive



PRO-SET® SPECIALTY HEX KEY WRENCH SETS



PRO-SET® SWAGING / PINCH-OFF TOOLS



Pinch-Off tool & rerounds tubing on 1/4", 5/16", 3/8", and 1/2" Copper and tubing



Swage Punch Tool

PRO-SET® TLPP SERVICE PLIER





SPECIALTY HAND TOOLS

TLFC6

PRO-SET® INSPECTION MIRRORS



SOLENOID MAGNET

The TLMKC18 is designed to manually open solenoid valves by magnetically lifting the stem assembly and plunger. Simply slide the TLMKC18 over the valve's enclosing tube and the industrial grade magnets incorporated inside the rugged ABS plastic housing does the rest. It is an ideal tool for trouble shooting/servicing both direct connected or pilot operated 2-way solenoid, 3-way reclaim or 4-way reversing valves.

* 0.75"/18mm opening fits all common manufactured valves

TLFC6 UNIVERSAL 6 SIDED ALL PURPOSE FIN STRAIGHTENING TOOL

Repair bent condenser fins with the TLFC6 Universal 6 sided fin comb straightening tool.

TLFC2 FIN STRAIGHTENING TOOL

Fin Straightener with large durable, easy grip handle.

| | | 7 |
|---------|--|---|
| ITEM | DESCRIPTION | 1 |
| TLMIR2 | Circular Telescoping Mirror ø 2.24" | |
| TLMIR3 | Rectangular Telescoping Mirror 3.5 x 2.12" | |
| TLMIR4 | Oval Pocket Mirror 2 x .98" | |
| TLXMIR2 | Replacement Mirror Head for TLMIR2 | |
| TLXMIR3 | Replacement Mirror Head for TLMIR3 | |
| TLXMIR4 | Replacement Mirror Head for TLMIR4 | |
| | in the second states | 2 |

COMPACT MAGNETIZER/DEMAGNETIZER

Use the TLMAG1 to magnetize tools in order to keep small screws and nuts in position, especially helpful when working in confined spaces, or demagnetize tools when working on or near electronic circuit boards. Simply insert a screwdriver or nut driver into the (+) opening, slowly draw it out and it's magnetized. Leave the magnetizer on the tool for extra strength. To demagnetize, slowly draw the tool through the smallest area of the (-) opening. The TLMAG1 is an essential tool for the professional and do-it-yourselfer alike.

- Instantly Magnetize or Demagnetize Steel Tools & Parts
- Incorporates Two C5 Industrial Strength Magnets
- Impact Resistant ABS Molded Plastic
- No Batteries or Electricity Required
- Compact Design: 2" x 2" x 1"

TLMAG1



Call and Speak to a Sales Rep: 305-687-4121 / 1-800-277-3808

CDS TLMAGT Pg 80

SPECIALTY HAND TOOLS





 TLWA06
 TLWA08

 Size: 6"
 Size: 8"

 Jaw Capacity:
 Jaw Capacity:

 15/16" / 24mm
 1 1/8" / 29mm

TLWA10 Size: 10" Jaw Capacity: 1 5/16" / 33mm TLWA12 Size: 12" Jaw Capacity: 1 1/2" / 38mm

SUPER-STRONG TOOL THAT EXCEEDS ANSI SPECIFICATIONS PROVIDING YEARS OF SERVICE!

ADJUSTABLE HANDLE WRENCH

- Patented Light Weight Composite Handle Design
- Ergonomic, Comfortable Grip Reduces Fatigue
- Wide Jaw Opening With 45% More Torque
- Precision Machined for Smooth Operation
- Durable and Environment-Resistant
- One Year Warranty

DUCT KNIVES

Used to fabricate fiberglass duct board. Stainless steel double edge resharpenable blade facilitates easy piercing for inside cuts. The double edge is also ideal for tapping into and trimming flex duct. Available with either ergonomic cushioned or a comfortable walnut wooden handle.









RECHARGEABLE ANODIZED ALUMINUM LED WORK LIGHT

Simply the best work light you will ever own, the TLWL53A is precision machined from aircraft grade aluminum and anodized for long life. Fifty three proprietary high output LEDs are incorporated in the work light segment with a 1W Luxeon LED integrated in the top. A powerful 2500mAh Ni-Mh rechargeable battery keeps the lights burning for hours; 7-8 hours for Luxeon spot, 4-5 hours for 53 white LEDs. The professional quality and intense output of the TLWL53A outperforms many competitive units incorporating 70 or more standard LEDs. Ideal for air conditioning contractors municipalities, law enforcement, fire fighters, automotive technicians, and wherever else a high performance, professional, durable work light is needed.

- Rugged Anodized Aluminum Body
- Super Bright 1W Luxeon Spot
- 53 Proprietary High Lumen Output LEDs
- Integrated 2500mAh 3.5V Rechargeable Battery
- · Strong magnetic base for attaching to metal surfaces
- Universal UL/CUL Electronic Wall and Car Chargers Included
- Superior Durability and Shock Resistance
- High Quality Reflector Lens
- Wall and Car charger Included
- One Year Warranty

BRAZING & SOLDERING JOIN COPPER, BRASS & STEEL WITH CONFIDENCE

Pro-Set The Workingman's Choice

Call and Speak to a Sales Rep: 305-687-4121 / 1-800-277-3808

BRAZING & SOLDERING

PREMIUM OXY-ACETYLENE BRAZING OUTFIT

Complete Soldering & Brazing full Workstation Tool Kit





CIIS

BRHVACR1 PRO-SET® OXY-ACETYLENE BRAZING KIT:

Brazes up to 1" copper tubing and welds up to 1/8" steel. The PRO-SET BRHVACR1 OxyAcetylene Welding/Brazing Kit (UL Listed) comes with oxy regulator, acetylene regulator, torch handle, torch tips, goggles, hoses, plastic tote and check valves.

Includes:

- Torch handle
- Oxygen regulator
- Acetylene regulator
- Brazing tips
- · Check valves
- Striker
- Goggles
- 12.5' twin hose
- Carrying tote
- · Circular storage case





PREMIUM **INTERCHANGEABLE TIPS**

Be Brazen, with our new Pro-Set® Workingman's Choice Torch...

BRHT2 PRO-SET® HAND TORCH:

Auto-Ignite Hand Torch for MAPP, PROPANE or PROPYLENE and 3 changeable tips with plastic case

BRHT2

| Specifications | BRHT1 | BRHT2 | BRHT5 | BRHTS1A | BRHTPKIT |
|-----------------------|--|--|---|---|--|
| Flame Control | Adjustable | Adjustable | Adjustable | Adjustable | Adjustable |
| For use with | MAPP [®] , Propane or Propylene | MAPP [®] , Propane or Propylene | MAPP [®] , Propane or Propylene | MAPP [®] , Propane or Propylene | MAPP [®] , Propane or Propylene |
| Inlet Connection | CGA600 Inlet Connection | CGA600 Inlet Connection | CGA600 Inlet Connection | CGA600 Inlet Connection | CGA600 Inlet Connection |
| Construction | Cast Aluminum & stainless steel burn tube | Reinforced Plastic & stainless steel burn tube | Brass regulator, composite handle & stain- less steel burn tube | Brass regulator & stain- less steel burn tube | All brass construction |
| Other | Flame lock Precise flame adjustment, flame lock button | tips & storage case with space for 2 cylinders | New brass regulator and 5ft hose length. | Torch tube swivels 360 degrees, operates in any position. | Pencil flame torch, general heating and round tip included |



BRHT1 HAND TORCH:

Auto-Ignite Hand Torch (Cast Aluminum) for disposable 1lbs bottles) For MAPP, PROPANE or PROPALYNE

BRHT5 HAND TORCH:

Auto-Ignite Hand Torch Kit w/5ft. Hose & Valve For MAPP, PROPANE or **PROPALYNE**



BRHT1





Call and Speak to a Sales Rep: 305-687-4121 / 1-800-277-3808

BRHT5



Product Guarantee

CPS guarantees that all products are free of manufacturing and material defects for one year from the date of purchase. If a product should fail during the guarantee period due to defective material or workmanship, it will be repaired or replaced (at our office) at no charge. This guarantee does not apply to products that have been altered, misused or are in need of field service maintenance. All repaired products will carry an independent 90 day warranty. The LS3000 and LS790B carry a 2 year warranty and the LS780B has a 1 year warranty.

www.cpsproducts.com