

# BLACKMAX<sup>®</sup>

## DIGITAL MANIFOLDS

### INDUSTRY LEADING ACCURACY

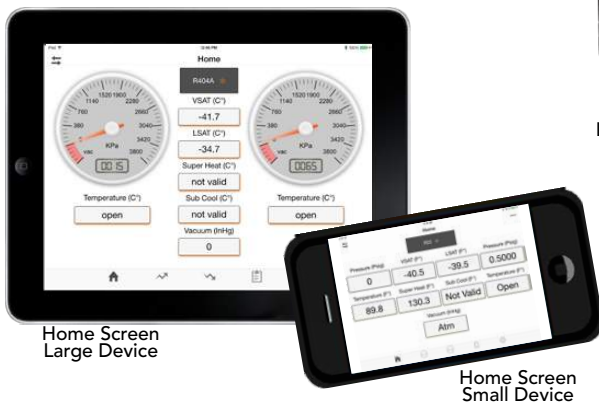


Call and speak to a CPS representative. Customer Service: +1 (305) 687-4121 | Toll Free: (800) 277-3808

## BLACKMAX® WIRELESS DIGITAL MANIFOLDS WITH CPS LINK™ APP

Our digital manifolds combine the latest 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 backlit LCD display. Two and four valve manifolds are designed and manufactured in the USA with U.S. and globally sourced components.

CPS Link™ is patented technology for iOS and Android mobile applications (APPS), designed to communicate with and control select functions of BlackMax Digital Wireless Manifolds.



Home Screen Large Device

Home Screen Small Device

### CPS LINK™ APP

CPS Link allows HVAC/R technicians the convenience of running and monitoring a BlackMax digital manifold (from up to 300 feet away), while also providing additional capabilities not found in non-wireless versions.

- Fast, convenient touch screen control
- Comprehensive views of system measurements
- Graphical depictions of test functions
- Data logging
- Geolocation data and more
- If your mobile device is not available, your wireless manifold may be operated as a stand alone device using the yellow keypad.



Connections For Thermistor Sensors

High Impact LCD Window

Mode (Programming)

Refrigerants

Clear

Set (Enter Values)

On/Off



Superheat/ Subcool

Test (Pressure Hold, Vacuum Hold)

Backlight

Low Side Valve

Vacuum Valve

Sightglass

Refrigerant Valve

High Side Valve

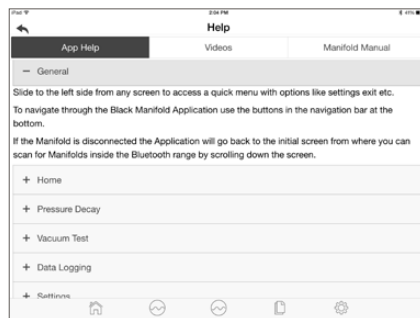
MD100W



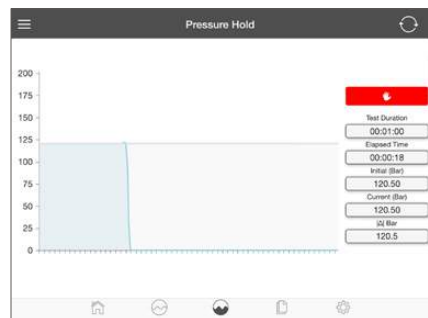
- Perform and monitor select system measurements—in real time without the need to physically touch the manifold
- Alternate views for smaller mobile devices
- Color scheme change according to refrigerant
- Pressure hold or vacuum hold tests can be viewed, saved, stored or emailed as a graph
- Supports over 100 common refrigerants, with quick access to your favorite five
- APP updates for new refrigerants
- Change manifold units; (Pressure, Temperature, Vacuum)
- Multi-language



Access Favorite Five Refrigerants



Help Screen



Vacuum Hold Test

For more information visit [www.cpsproducts.com](http://www.cpsproducts.com)





**MD100WVHEC  
BLACKMAX® LIMITED  
EDITION CAMO FINISH  
WIRELESS DIGITAL  
MANIFOLD**



**BLACKMAX® DIGITAL MANIFOLDS  
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

**SIMPLICITY AND VERSATILITY**

- One key ON/OFF and function select
- Preloaded with over 100 refrigerants
- Compatible with R744 subcritical CO2 refrigerants
- One-touch access to your favorite five refrigerants
- Performs pressure decay and vacuum rise tests
- Uses 4AA alkaline or rechargeable batteries
- 25 hours of continuous battery life with backlight; 40 hours without

**FULL SYSTEM MEASUREMENT**

- 2 Pressures, 2 temperatures and 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

**RUGGED DESIGN**

- Rain-proof, high strength glass-filled nylon housing
- Precision machined anodized aluminum manifold body
- Proprietary Vortech™ valve systems (certified to 15 microns)
- High-impact polycarbonate LCD window
- Advanced sight glass design



**MD100**  
Non-wireless 4 valve series



**MD50**  
Non-wireless 2 valve series



BLACKMAX® Digital Manifolds	Number Of Valves	5' Black & Chrome Ball Valve Charging Hoses 3 Pk (HP5BKEZ)	5' Heavy Duty Black & Chrome Vacuum Hose (1) (HV5Z)	Thermistor Sensor with 6' leads (MDXCP) x 2	Vacuum Gauge Accessory Kit* (MDXVG)	Rechargeable NiMH Battery and Universal Plug Kit** (MDXBK)	Soft Case For All MD Series (MDXSC)
MD50	2			✓	Optional	Optional	Optional
MD50W Wireless				✓	Optional	Optional	Optional
MD50HE		✓		✓	Optional	Optional	Optional
MD50WHE Wireless		✓		✓	Optional	Optional	Optional
MD50VHE		✓		✓	✓	Optional	Optional
MD50VVHE Wireless		✓		✓	✓	Optional	Optional
MD100	4	Optional		✓	Optional	Optional	Optional
MD100W Wireless				✓	Optional	Optional	Optional
MD100HE		✓	✓	✓	Optional	Optional	Optional
MD100WHE Wireless		✓	✓	✓	Optional	Optional	Optional
MD100VHE		✓	✓	✓	✓	Optional	Optional
MD100VVHE Wireless		✓	✓	✓	✓	Optional	Optional
MD100VVHEC Wireless NEW! CAMO Limited Edition		✓	✓	✓	✓	Optional	Optional

\*Includes Vacuum Accessory & 1 AVT45 1/4" SAE Brass Tee Connector. \*\*Includes 1 Universal Charger With 5' Cord; 4 rechargeable NiMH batteries, 1 U.S. Plug, 1 Euro Plug, 1 Australia/New Zealand/China Plug, 1 UK/Ireland/Singapore/Hong Kong Plug.

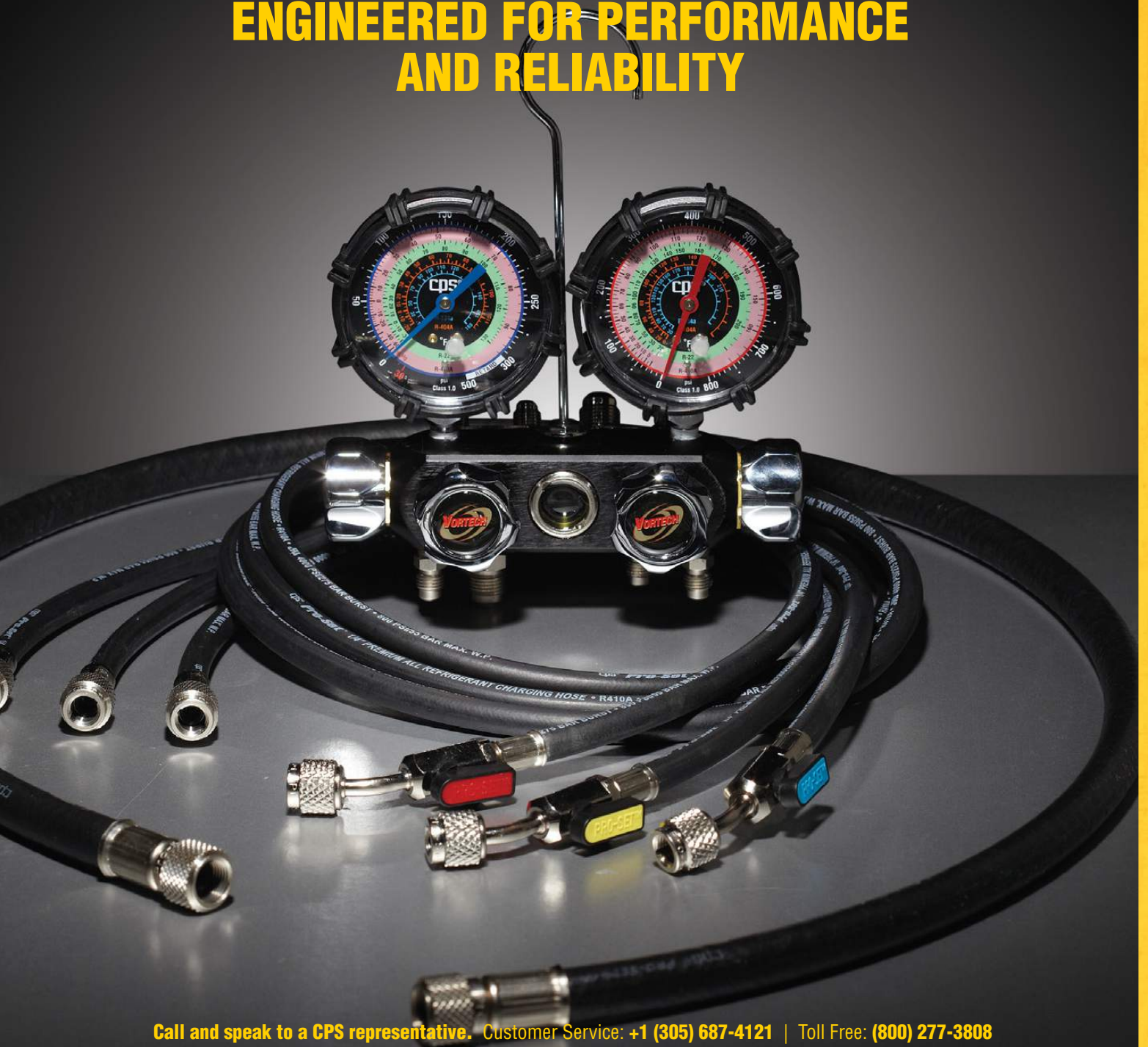




# BLACKMAX<sup>®</sup>

## BLACK & CHROME MANIFOLDS

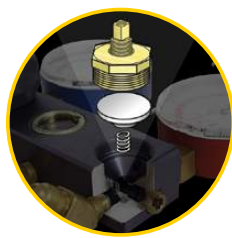
ENGINEERED FOR PERFORMANCE  
AND RELIABILITY



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## BLACKMAX® BLACK & CHROME MANIFOLDS WITH VORTECH™ VALVES

- Two and four valve manifolds designed and manufactured in USA with U.S. and globally sourced components
- Proprietary Vortech™ valves (certified to 15 microns)
- Black anodized aluminum body with large sight glass
- Heavy duty nickel plated metal handles
- Auxiliary center access port with Schrader valve (2 valve units)
- Protective gauge boots and packaged in display tin
- Superior refrigerant metering and control



MV4H4P5EZ



### BLACKMAX® BLACK & CHROME VORTECH™ VALVE MANIFOLDS

Specifications		3-1/8" (80 mm)	
		North America	South America
Gauge Description	Refrigerant Scales	R134a, R22, R404a, R410a	R410a, R22, R407c
	Gauge Size / Type	Class 1.0 accuracy * Gauges built with internal silicon dampening cup for flutter-free operation	
	Pressure Scales	Psi	bar / Psi
	Temperature Scales	°F	°C
Fittings	Manifold & Hose fittings	1/4" SAE 45° fittings	
Two Valve Manifolds	3 Premium 5' Pro-Set® Black & Chrome Hoses	MV2H4P5Z	MV2O4P5Z
	3 Premium 5' Pro-Set® Black & Chrome BV Hoses	MV2H4P5EZ	MV2O4P5EZ
Four Valve Manifolds	3 Premium 5' Pro-Set® Black & Chrome Hoses	MV4H4P5Z	MV4O4P5Z
	3 Premium 5' Pro-Set® Black & Chrome BV Hoses	MV4H4P5EZ	MV4O4P5EZ
Replacement Gauges	Low Side Gauge	RGH4L	RG04L
	High Side Gauge	RGH4H	RG04H
	Gauge Boot	RGX80B	RGX80B



RGH4L



RGH4H



MV4H4Z

## BLACKMAX® BLACK & CHROME BARRIER CHARGING HOSES



HP5BKEZ

5' premium barrier ball valve chrome charging hoses (black)



HP5BKZ

5' premium Black & Chrome™ charging hose



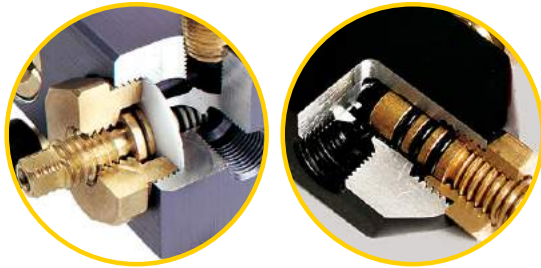
HV5Z

5' premium Black & Chrome™ 3/8" charging hose



## BLACKMAX® BLACK & CHROME MANIFOLDS WITH TRIPLE-SEAL VALVES

- Proprietary Triple Seal valve systems



- 2 valve units designed and manufactured in USA with U.S. and globally sourced components
- Black anodized aluminum block body
- No flutter gauges with protective boots and rugged metal housings
- Nickel plated 1/4" SAE 45 fittings
- Auxiliary center access port with Schrader valve
- Heavy duty nickel plated metal handles
- Protective gauge boots and packaged in display tin
- Proprietary Vortech™ valves



**MBH4P5EZ**



**RGH5L**



**RGH5H**



**RGX681B  
(Spider Design)**



**RGX801B  
(Ribbed Design)**

### BLACKMAX® BLACK & CHROME TRIPLE SEAL VALVE MANIFOLDS

Specifications		3-1/8" (80 mm)		2-1/2" (68 mm)	
		North America	South America	North America South America Australia	North America
Gauge Description	Refrigerant Scales	R134a, R22, R404a, R410a	R410A, R22, R407C	R410a	R134a, R22, R404a, R410a
	Gauge Size / Type	Class 1.0 accuracy		Class 1.6 accuracy	
	Pressure Scales	Psi	bar / Psi	Psi / kPa	Psi
	Temperature Scales	°F	°C	°F / °C	°F
Fittings	Manifold and Hose Fittings	1/4" SAE 45° fittings			
Two Valve Manifolds	Manifold & Gauges Only	MBH4Z	MBO4Z	MBB5Z	MBH5Z
	3 Premium 5' Pro-Set® Black & Chrome Hoses	MBH4P5Z	MBO4P5Z	MBB5P5Z	MBH5P5Z
	3 Premium 5' Pro-Set® Black & Chrome BV Hoses	MBH4P5EZ	MBO4P5EZ	MBB5P5EZ	MBH5P5EZ
Replacement Gauges	Low Side Gauge	RGH4L	RG04L	RGB5L	RGH5L
	High Side Gauge	RGH4H	RG04H	RGB5H	RGH5H
	Gauge Boot	RGX801B Ribbed	RGX801B Ribbed	RGX681B Spider	RGX68SB Spider

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# *Pro-Set*<sup>®</sup>

## PREMIUM PISTON SERIES

**PROPRIETARY TRIPLE SEAL VALVES  
BEST IN CLASS 1% MEASUREMENT ACCURACY**





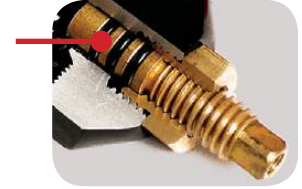


## PRO-SET® THE WORKSMAN'S CHOICE PREMIUM PISTON SERIES

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" (80 mm) Class 1.0 accuracy gauges, protective gauge boots, extra access port in center with Schrader valve and hanging hook.

### TRIPLE SEAL™ VALVES

- 3 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



Durable, protective gauge boots



RGH7L



RGH7H

## PRO-SET® WORKSMAN'S CHOICE 2 VALVE MANIFOLDS

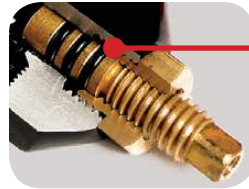
Specifications		3-1/8" (80 mm)	
		North America	South America
Gauge Description	Refrigerant Scales	R134a, R22, R404a, R410a	R410a, R22, R407c
	Gauge Size / Type	Class 1.0 accuracy * Gauges built with internal silicon dampening cup for flutter-free operation	
	Pressure Scales	Psi	bar / Psi
	Temperature Scales	°F	°C
Fittings	Manifold and Hose fittings	1/4" SAE 45° fittings	
Two Valve Manifolds	Manifold & Gauges Only	MT2H7	MT207
	3 Premium 5' Pro-Set® Hoses	MT2H7P5	MT207P5
	3 Premium 5' Pro-Set® AB Hoses	MT2H7P5A	MT207P5A
	3 Premium 5' Pro-Set® BV Hoses	MT2H7P5E	MT207P5E
Replacement Gauges	Low Side Gauge	RGH7L	RG07L
	High Side Gauge	RGH7H	RG07H
	Replacement Gauge Boot	RGXBW	RGXBW

## PRO-SET® BLACK BODY TRIPLE SEAL™ PISTON 2 VALVE SERIES

- 2 valve anodized aluminum block body
- 1/4" SAE 45° fittings
- 2-1/2" (68 mm) Class 1.6 accuracy gauges
- Extra access port in center with Schrader valve and hanging hook



MBDP5E



### TRIPLE SEAL™ VALVES

- 3 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



MBH

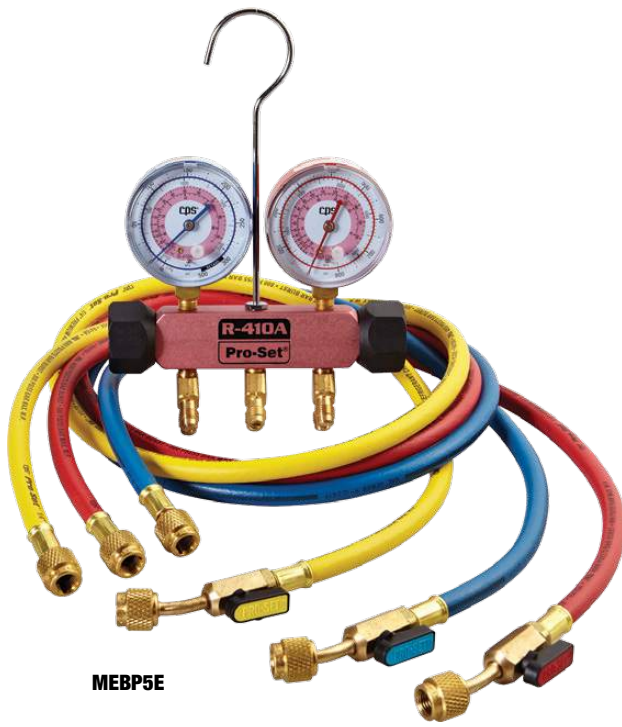
MBC

MBD

## TRIPLE SEAL™ PISTON 2 VALVE BLACK BODY MANIFOLDS

Specifications		2-1/2" (68 mm)					
		North America			South America	South America	South America
					Asia	Australia	South America
Gauge Description	Refrigerant Scales	R12, R22, R502	R134a, R22, R404a	R22, R404a, R410a,	R12, R134a, R22	R134a, R22, R404a	R410a, R22, R407c
	Gauge Size / Type	Class 1.6 accuracy					
	Pressure Scales	Psi			Psi / kPa	Psi / kPa	
	Temperature Scales	°F			°F / °C	°C	
Fittings	Manifold & Gauges Only	1/4" SAE 45° fittings					
Two Valve Manifolds	Manifold & Gauges Only	MBC	MBD	MBH	MBZ	MBT	MBO
	Three 3' Pro-Set® Hoses	MBCS3	MBDP3	MBHP3	MBZS3	MBTP3	MBOP3
	Three 5' Pro-Set® Hoses	MBCS5	MBDP5	MBHP5	MBZS5	MBTP5	MBOP5
	Three 5' Pro-Set® AB Hoses	NA	MBDP5A	MBHP5A	NA	MBTP5A	MBOP5A
	Three 5' Pro-Set® BV Hoses	NA	MBDP5E	MBHP5E	NA	MBTP5E	MBOP5E
Replacement Gauges	Low Side Gauge	RGCL	RGDL	RGHL	RGZL	RGTL	RGOL
	High Side Gauge	RGCH	RGDH	RGHH	RGZH	RGTH	RGOH





## PRO-SET® PINK BODY PISTON MANIFOLD SERIES

Piston series 2 valve anodized aluminum block body with 1/4" SAE 45° fittings, Triple Seal piston valves, 2-1/2" (68 mm) Class 1.6 accuracy gauges, extra access port in center with Schrader valve and hanging hook.

### NON-FLUTTER GAUGE

Design with Rugged Metal Housing

### FRONT CALIBRATION Access Port

### ANODIZED ALUMINUM Block Body

### EASY-TO-GRAB Large Knob

### TRIPLE SEAL™ VALVES

- 3 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

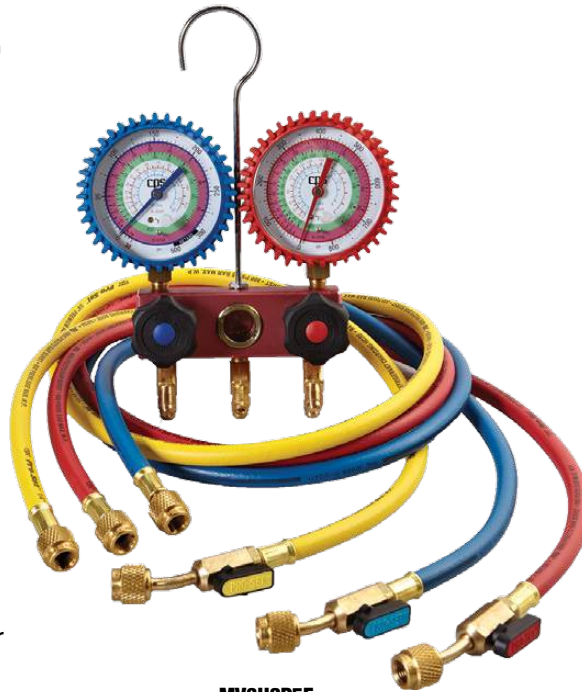


## TRIPLE SEAL™ PISTON 2 VALVE PINK BODY MANIFOLDS

Specifications		2 1/2" (68 mm)		
		North America		South America
				Australia
Gauge Description	Refrigerant Scales	R410a	R410a, R22, R404a	R410a
	Gauge Size / Type	Class 1.6 accuracy		
	Pressure Scales	Psi / kPa	Psi	Psi / kPa
	Temperature Scales	°F / °C	°F	°F / °C
Fittings	Manifold & Gauges Only	1/4" SAE 45° fittings		1/2" - 20 UNF
Two Valve Manifolds	Manifold & Gauges Only	MEB	MEH	MCB
	3 Premium 3' Pro-Set® Hoses	MEBP3	MEHP3	MCBJ3
	3 Premium 5' Pro-Set® Hoses	MEBP5	MEHP5	MCBJ5
	3 Premium 5' Pro-Set® AB Hoses	MEBP5A	MEHP5A	MCBJ5A
	3 Premium 5' Pro-Set® BV Hoses	MEBP5E	MEHP5E	MCBJ5E
Replacement Gauges	Low Side Gauge	RGBL	RGHL	RGBL
	High Side Gauge	RGBH	RGHH	RGBH

**PRO-SET® VORTECH™  
DEEP VACUUM  
MANIFOLD SERIES**

- Two-valve, r410A pink anodized aluminum block body
- 1/4" SAE 45° fittings
- Vortech™ deep vacuum valves
- Extra large sight glass
- Easy-to-read 3-1/8" (80 mm) Class 1.6 accuracy gauges
- Protective gauge boots
- Extra access port in center with Schrader valve and hanging hook



**MV3H2P5E**



**MV3H2**

**MV3H3**



**MV13H2**

**MV13H3**

**VORTECH™ DEEP VACUUM VALVE MANIFOLDS**

Specifications		3-1/8" (80 mm)			
		North America		South America	South America Australia
Gauge Description	Refrigerant Scales	R410a, R22, R404a, R134a		R410a, R22, R407c	R410a
	Gauge Size / Type	Class 1.6 accuracy			
		* Gauges built with internal silicon dampening cup for flutter-free operation			
			<b>*Oil-Filled</b>		<b>*Oil-Filled</b>
	Pressure Scales	Psi	Psi	Psi / bar	Psi / kPa
Temperature Scales	°F	°F	°C	°F / °C	
Fittings	Manifold & Gauges Only	1/4" SAE 45° fittings			
Two Valve Manifolds	Manifold & Gauges Only	MV3H2	MV3H3	MV302	MV3B3
	3 Premium 5' Pro-Set® Hoses	MV3H2P5	MV3H3P5	MV302P5	MV3B3P5
	3 Premium 5' Pro-Set® AB Hoses	MV3H2P5A	MV3H3P5A	MV302P5A	MV3B3P5A
	3 Premium 5' Pro-Set® BV Hoses	MV3H2P5E	MV3H3P5E	MV302P5E	MV3B3P5E
Four Valve Manifolds	Manifold & Gauges Only	MV13H2	MV13H3	MV1302	MV13B3
	3 Premium 5' Pro-Set® Hoses	MV13H2P5	MV13H3P5	MV1302P5	MV13B3P5
	3 Premium 5' Pro-Set® AB Hoses	MV13H2P5A	MV13H3P5A	MV1302P5A	MV13B3P5A
	3 Premium 5' Pro-Set® BV Hoses	MV13H2P5E	MV13H3P5E	MV1302P5E	MV13B3P5E
Replacement Gauges	Low Side Gauge	RGH2LB	RGH3L	RG02LB	RGB3L
	High Side Gauge	RGH2HB	RGH3H	RG02HB	RGB3H

Manifolds and Gauges



## PRO-SET® 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" (68 mm) Class 1.6 accuracy gauges and hanging hook.



MGO



MGH



MGHP5E

Specifications		2-1/2" (68 mm)	
		North America	South America
Gauge Description	Refrigerant Scales	R410a, R22, R404a	R410a, R22, R407c
	Gauge Size / Type	Class 1.6 accuracy	
	Pressure Scales	Psi	bar / Psi
	Temperature Scales	°F	°C
Fittings	Manifold and Hose Fittings	1/4" SAE 45° fittings	
Two Valve Manifolds	Manifold & Gauges Only	MGH	MGO
	3 Premium 5' Barrier Hoses	MGHP5	MGOP5
	3 Premium 5' Barrier AB Hoses	MGHP5A	MGOP5A
	3 Premium 5' Barrier BV Hoses	MGHP5E	MGOP5E
Replacement Gauges	Low Side Gauge	RGHL	RGOL
	High Side Gauge	RGHH	RGOH

## MANIFOLD ACCESSORIES AND REPLACEMENT PARTS

A complete line of repair kits, parts and accessories to keep your kits, manifold in brand-new condition. If you are looking for something or are unsure of the part you need, give us a call and let our specialists assist you.



**MXC2**  
Rugged canvas carrying case for manifolds



**MXC**  
Plastic carrying case for manifolds



**MVXKC**  
Replacement Valve Handle for BlackMax® Series w/ Vortech™ Valves - Chrome Metal



**MVXK**  
Replacement valve handle w/ plugs for Vortech™ manifolds



**MXK**  
Replacement valve handle w/ labels for diaphragm manifolds



**MXPK**  
Replacement valve handle w/ labels for BlackMax® manifolds



**MXMH**  
Hanging hook for all manifolds



**M2XRK**  
Diaphragm valve repair kit: services 2 valves



**MXPV**  
Complete BlackMax® piston valve assembly



**M2XHA**  
2-way hose anchor bracket for Vortech™ & diaphragm



**MXPVO**  
BlackMax® piston valve seals repair kit: services 2 valves

### MISC. REPLACEMENT PARTS AND ACCESSORIES

4-way hose anchor bracket for Vortech™ & diaphragm	M4XHA
Diaphragm valve repair kit: services 4 valves	M4XRK
Diaphragm valve repair kit: services 5 valves	M5XRK
Vortech™ valve repair kit: services 2 valves	MV2XRK
Vortech™ valve repair kit: services 4 valves	MV4XRK
Vortech™ valve repair kit: services 5 valves	MV5XRK
Replacement valve handle for brass manifold	MXBK



# *Tech-Set*<sup>TM</sup>

## **BRASS BODY SERIES**

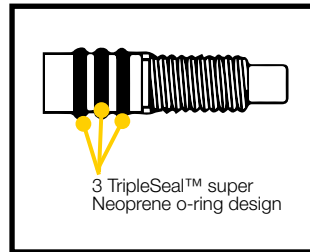
### **THE ORIGINAL MANIFOLD DESIGN**



## TECH-SET™ BRASS BODY MANIFOLD SERIES

2 valve forged brass body with 1/4" SAE 45° fittings, TripleSeal™ piston valves and hanging hook.

- Quality forged brass body
- Full sized porting for maximum flow
- No flutter gauges with rugged molded housings
- Large easy-to-grip knobs



## TRIPLE SEAL™ VALVES

- 3 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

### TECH-SET™ BRASS BODY 2 VALVE MANIFOLDS & HOSE SETS

SPECIFICATIONS		N. America	S. America	N. America	S. America
Gauge Description	Refrigerant Scales	R410a, R22, R404a, R134a		R22, R134a, R404a, R507A	
	Gauge Size / Type Gauges built with internal silicon dampening cup for flutter-free operation	3-1/8" (80 mm) Class 1.6 accuracy		2-5/8" (68 mm) Class 1.6 accuracy	
	Pressure Scales	Psi/bar	bar/Psi	Psi/bar	bar/Psi
	Temperature Scales	°F	°C	°F	°C
Fittings	Manifold and Hose fittings	1/4" SAE 45° fittings			
Two Valve Manifolds	3 Standard 3' Hoses	NA	NA	M64G3	M63G3
	3 Prem-Flex 5' (1.52 m) Hoses	M62PF5	M61PF5	NA	NA
Replacement Hoses	3 Prem-Flex 3' (0.91 m) Hoses	HPF3			
	3 Prem-Flex 5' (1.52 m) Hoses	HPF5			
	3 Standard 3' (0.91 m) Hoses	HG3			
	3 Standard 5' (1.52 m) Hoses	HG5			



**GT1**

- 0-30 Psi (0-2 bar)
- 1 Psi (0.05 bar) increments
- 3/4" FPT Brass Bell



**GT2**

- 0-100 Psi (0-7 bar)
- 2 Psi (0.20 bar)
- 3/4" FPT Brass Bell



**GT4**

- 0-30 Psi (0-2 bar)
- 1 Psi (0.05 bar)
- 1" FPT Brass Bell

**GT SERIES GAS TEST GAUGES**

Test the integrity of new installations for pressure leaks by simply connecting the gauge, pressurize the system, using the supplied access port, and monitor the easy-to-read 3-1/2" (80 mm) 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.

**INCLUDES:**

- 2-1/2" gauge, scale 30", 0-150 lbs
- 2-1/2" gauge, scale 30", 0-300 lb
- 12" hose 1/4" female swivel x 1/4" female 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



# CHARGING HOSES

OUR OFFERING IS AS FLEXIBLE AS OUR HOSES



## PRO-SET® PREMIUM UL/SAE BARRIER REFRIGERANT SERVICE HOSES

- Nylon permeation barrier (Meets SAE J2196)
- Leak-proof 8-sided crimp
- 800 Psi working pressure (per UL1963)
- 4000 Psi burst pressure
- Extra deep knurling on nuts for easy grip
- Adjustable valve core depressor
- Blow off grooves preventing spray back
- R-410A compatible, as well as CFC, HCFC and HFC refrigerants and blends

\* UL listed, File SA11622

## PRO-SET® STANDARD REFRIGERANT SERVICE HOSES

- All-weather flexibility and strength
- Leak-proof 8-sided crimp
- 750 Psi working pressure
- 3000 Psi burst pressure
- Extra deep knurling on nuts for easy grip
- Adjustable valve core depressor
- Blow off grooves preventing spray back



Hose Length and Color	1/4" Hoses for all refrigerants		1/4" Hoses w/45° ball valve on end		1/4" Hoses w/Microseal™ anti-blowback valve on one end		1/4" In-line ball valve hoses		R-410A Hose w/ special 1/2"-20 Unf fittings	w/45° ball valve fitting in one end	
	Premium	Standard	Premium	Standard	Premium	Standard	Premium	Standard	Premium		
3' (90 cm)	Yellow	HP3Y	HS3Y*	HP3YE	HS3YE*	HP3YA*	HS3YA*	HP3YL*	HS3YL*	HJ3Y*	HJ3YE*
	Blue	HP3B	HS3B*	HP3BE	HS3BE*	HP3BA	HS3BA	HP3BL	HS3BL*	HJ3B*	HJ3BE*
	Red	HP3R*	HS3R	HP3RE*	HS3RE*	HP3RA	HS3RA*	HP3RL*	HS3RL*	HJ3R*	HJ3RE*
	3-Pack	HP3*	HS3	HP3E*	HS3E	HP3A*	HS3A	HP3L*	HS3L*	HJ3*	HJ3E*
4' (120 cm)	Yellow	na	HS4Y*	na	na	na	na	na	na	na	na
	Blue	na	HS4B*	na	na	na	na	na	na	na	na
	Red	na	HS4R*	na	na	na	na	na	na	na	na
	3-Pack	na	HS4*	na	na	na	na	na	na	na	na
5' (150 cm)	Yellow	HP5Y*	HS5Y*	HP5YE	HS5YE	HP5YA	HS5YA	HP5YL	HS5YL*	HJ5Y*	HJ5YE*
	Blue	HP5B	HS5B*	HP5BE	HS5BE*	HP5BA	HS5BA	HP5BL	HS5BL*	HJ5B*	HJ5BE*
	Red	HP5R	HS5R	HP5RE*	HS5RE	HP5RA*	HS5RA	HP5RL	HS5RL*	HJ5R*	HJ5RE*
	3-Pack	HP5*	HS5*	HP5E	HS5E*	HP5A*	HS5A	HP5L*	HS5L	HJ5*	HJ5E*
6' (180 cm)	Yellow	HP6Y*	HS6Y*	HP6YE	HS6YE*	HP6YA*	HS6YA*	HP6YL*	HS6YL*	na	na
	Blue	HP6B	HS6B*	HP6BE	HS6BE	HP6BA	HS6BA	HP6BL	HS6BL*	na	na
	Red	HP6R	HS6R	HP6RE*	HS6RE*	HP6RA*	HS6RA*	HP6RL*	HS6RL*	na	na
	3-Pack	HP6*	HS6	HP6E	HS6E*	HP6A*	HS6A	HP6L*	HS6L*	na	na
8' (240 cm)	Yellow	na	HS8Y*	na	HS8YE*	na	HS8YA*	na	HS8YL*	na	na
	Blue	na	HS8B*	na	HS8BE*	na	HS8BA*	na	HS8BL*	na	na
	Red	na	HS8R*	na	HS8RE*	na	HS8RA*	na	HS8RL*	na	na
	3-Pack	na	HS8*	na	HS8E*	na	HS8A*	na	HS8L*	na	na
10' (300 cm)	Yellow	na	HS10Y*	na	na	na	na	na	na	na	na
	Blue	na	HS10B*	na	na	na	na	na	na	na	na
	Red	na	HS10R*	na	na	na	na	na	na	na	na
	3-Pack	na	HS10*	na	na	na	na	na	na	na	na

\*Non-stock item (made to order). Call Customer Service for price and lead time.

Call and speak to a CPS representative. Customer Service: +1 (305) 687-4121 | Toll Free: (800) 277-3808

# SPECIALTY HOSES

## PRO-SET® PREMIUM 6" to 12" BALL VALVE HOSE EXTENSIONS

- Nylon permeation barrier (Meets SAE J2196)
- Leak-proof 8-sided crimp
- 800 Psi working pressure
- 4000 Psi burst pressure
- Extra deep knurling on nuts for easy grip
- Adjustable valve core depressor
- Blow off grooves (prevents spray back)
- R-410A compatible, as well as CFC, HCFC and HFC refrigerants and blends



Length	Description	Yellow	Blue	Red	3-Pack
6" (15.2 cm)	1/4" SAE	HTYE	HTBE	HTRE	HTE
12" (30.5 cm)	1/4" SAE	HT1YE	HT1BE	HT1RE	HT1E
6" (15.2 cm)	1/2"- 20 SAE	HT410YEJ*	HT410BEJ*	HT410REJ*	HT410EJ

## PRO-SET® PREMIUM PRESSURE CONTROL HOSES

Pro-Set pressure control hoses are constructed with a thermoplastic polymer inner tube and cover to eliminate the vibration failures of copper capillary tube installations. The higher temperature ratings of the thermoplastic (to 266° F) eliminates failures caused by maximum load conditions on rubber type pressure control hoses.

Length	90° x 90°	Straight x 90°	Straight x Straight	Fitting	Operating Temperature Range	Minimum Bend Radius
2' (60 cm)	HHC2*	HHC2S	HHC2SS*	1/4" SAE Hex Style Straight & 90°, With Copper Gaskets	-49° F to 266°F (-45° to 130°C)	4" 102 mm
3' (90 cm)	HHC3*	HHC3S	HHC3SS*			
4' (120 cm)	HHC4*	HHC4S*	HHC4SS*			

\*Non-stock item (made to order). Call Customer Service for price and lead time.



## PRO-SET® PREMIUM 3/8" VACUUM/CHARGING HOSES (HEAVY DUTY)

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

Length	Without Ball Valve	With In-Line Ball Valve	Nylon Permeation Barrier	Leak Proof 8 Sided Crimp	Working Pressure	Burst Pressure	Deep Knurl Brass Fittings
3' (90 cm)	HV3*	na	Yes	3/8" SAE	460 Psi	2300 Psi	Yes
5' (150 cm)	HV5	HV5E					
6' (180 cm)	HV6*	na					
8' (240 cm)	HV8*	na					

\*Non-stock item (made to order). Call Customer Service for price and lead time.





## TECH-SET™ 1/4" CHARGING HOSES

Tech-Set™ charging hoses are available in Standard or Prem-Flex grades and 3' & 5' lengths.

- All-weather resistant
- Rugged flexibility and durability
- Extra deep knurling on nuts for easy grip



Length	3 Pack (Red, Yellow, Blue)	Hose Type	Working Pressure	Burst Pressure	Adjustable Valve Core Depressor	Leak-Proof 8 Sided Crimp	Blow Off Grooves (Prevents Spray Back)	Refrigerant Compatibility
3 Ft. (90 cm)	<b>HG3</b>	Standard	750 PSI (51 bar)	3000 PSI (206 bar)	✓	✓	✓	Compatible With CFC, HCFC, HFC refrigerants and blends
5 Ft (150 cm)	<b>HG5</b>							
3 Ft. (90 cm)	<b>HPF3</b>	Prem-Flex	800 PSI (55 bar)	4000 PSI (275 bar)	✓	✓		
5 Ft (150 cm)	<b>HPF5</b>							

## CHARGING HOSE REPLACEMENT PARTS



### HXG

(10) Hose 1/4" SAE Neoprene Gaskets



### HXGD

(10) Hose 1/4" SAE Neoprene Gasket & (10) Core Depressor



### HXGD2

(6) 1/2" ACME, 1/2"-20 UNF Gaskets & (6) Core Depressors



### HX38G

(10) Hose Gaskets, 3/8" SAE Neoprene



### HXG2

(10) 1/2" ACME, 1/2"-20 UNF Replacement Hose Gaskets



### HXGA

(6) Hose Gaskets, 1/4" SAE Microseal Antiblowback



### HXGA410

(10) Replacement Gaskets for 1/2"-20 UNF ABB Fittings



### HXTG

(10) Hose Gaskets, 1/4" SAE Teflon®



### HXTG2

(10) Hose Gaskets, 1/2"-20 UNF & 1/2" ACME Teflon®