

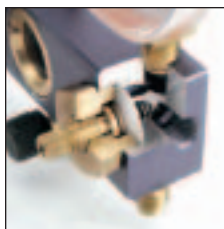
1-VALVE ALUMINUM BLOCK DIAPHRAGM MANIFOLD WITH 1/4" SAE FITTINGS



PRO-SET

One Valve Manifolds

- Anodized aluminum block body
- One full turn open/close valve
- Super strong 100% Teflon diaphragms
- Excellent vacuum characteristics
- No-flutter gauge design
- Extra large knobs for easy grip



Diaphragm Valve Manifold Features

1. Unique swivel stem design reduces wear
2. Excellent vacuum characteristics
3. 100% virgin teflon diaphragms
4. Full porting for maximum refrigerant flow
5. Industrial grade replaceable brass fittings

PRESSURE & TEMP UNITS	PSI °F	PSI °F	PSI/kg/cm ² °F/°C	PSI/kPA °C	PSI/kPA °C
REFRIG. SCALES AND GAUGE	R12, R22, R502 68mm /2.5"	R134a, R404A, R507 68mm /2.5"	R12, R22, R502 68mm /2.5"	R22, R134a, R404A 68mm /2.5"	R407C, R22 68mm /2.5"
REPLACEMENT HIGH GAUGE No.	RGCH	RGDH	RGZH	RGTH	RGYH
REPLACEMENT LOW GAUGE No.	RGCL	RGDL	RGZL	RGTL	RGYL
MANIFOLD & GAUGE - LOW SIDE					
ITEM	M1CL	M1DL	M1ZL	M1TL	M1YL
MANIFOLD & GAUGE - HIGH SIDE					
ITEM	M1CH	M1DH	M1ZH	M1TH	M1YH

M2XRK - Diaphragm valve repair kit.
MXK - Replacement knob with labels.

full listing of replacement parts see page 27

2-Valve DIAPHRAGM MANIFOLDS WITH SIGHTGLASS & 1/4" SAE FITTINGS



Two Valve Manifolds

- Anodized aluminum block body
- One full turn open/close valve
- Oversized sightglass for easy viewing
- Excellent vacuum characteristics
- No-flutter gauge design
- Easy-to-grip knobs



NEW!
New 45° fittings for easy hose storage



New Clamshell Packaging!

PRESSURE & TEMP. UNITS	PSI °F	PSI °F	PSI/kPa °C	PSI/kPA °C	PSI/kPA °C	PSI °F
REFRIG. SCALES AND GAUGE	R12, R22, R502 68mm /2.5"	R12, R22, R502 *80mm / 3.5"	R22, R134a, R404A 80mm /3.5"	R22, R134a, R404A 68mm /2.5"	R407C, R22 68mm /2.5"	R134a, R404A, R507 68mm /2.5"
REPLACEMENT HIGH GAUGE No.	RGCH	*RGMH	RGPH	RGTH	RGYH	RGDH
REPLACEMENT LOW GAUGE No.	RGCL	*RGML	RGPL	RGTL	RGYL	RGDL
MANIFOLD & GAUGE						
ITEM	M2C	M2M	M2P	M2T	M2Y	M2D
MANIFOLD & (3) 3'/90cm HOSES						
ITEM	M2CS3	M2MS3	M2PP3	M2TP3	M2YP3	M2DP3
MANIFOLD & (3) 5'/150cm HOSES						
ITEM	M2CS5	M2MS5	M2PP5	M2TP5	M2YP5	M2DP5

*Designates Oil Filled Gauges

M2XRK - Diaphragm valve repair kit.
MXK - Replacement knob with labels.

full listing of replacement parts see page 27

4-VALVE DIAPHRAGM MANIFOLDS WITH SIGHTGLASS & 1/4" SAE FITTINGS



PRO-SET

- Four Valve Manifold**
- Anodized aluminum block body
 - One full turn open/close valve
 - Oversized sightglass for easy viewing
 - Excellent vacuum characteristics
 - No-flutter gauge design
 - Easy-to-grip knobs
 - Available with 80mm/3.5" liquid filled gauges

PRESSURE & TEMP. UNITS	PSI °F	PSI °F	PSI °F	PSI/kPA °C	PSI/kPA °C
REFRIG. SCALES AND GAUGE	R12, R22, R502 68mm /2.5"	R134a, R404A, R507 68mm /2.5"	R12, R22, R502 *80mm /3.5"	R22, R134a, R404A 68mm /2.5"	R22, R134a, R404A 80mm /3.5"
REPLACEMENT HIGH GAUGE No.	RGCH	RGDH	*RGMH	RGTH	RGPH
REPLACEMENT LOW GAUGE No.	RGCL	RGDL	*RGML	RGTL	RGPL
MANIFOLD & GAUGES					
ITEM	M4C	M4D	M4M	M4T	M4P
MANIFOLD & (3) 5'/150cm HOSES					
ITEM	M4CS5	M4DP5	M4MS5	M4TP5	M4PP5
MANIFOLD & (3) 5'/150cm HOSES WITH BALL VALVES ON END					
ITEM	M4CS5E	M4DP5E	M4MS5E	M4TP5E	M4PP5E

*Designates Oil Filled Gauges **M4XRK** - Diaphragm valve repair kit. **MXK** - Replacement knob with labels. [full listing of replacement parts see page 27](#)

5-VALVE DIAPHRAGM MANIFOLDS WITH SIGHTGLASS & 1/4" SAE FITTINGS



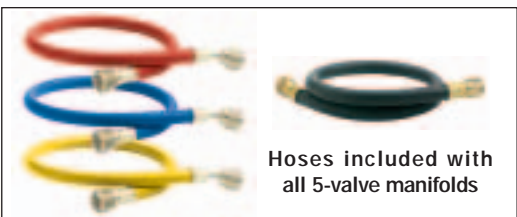
PRO-SET



- Five Valve Manifolds**
- Anodized aluminum block body
 - One full turn open/close valve
 - Oversized sightglass for easy viewing
 - Excellent vacuum characteristics
 - No-flutter gauge design
 - Easy-to-grip knobs

PRESSURE AND TEMP. UNITS	PSI °F	PSI/kPA °C
REFRIG. SCALES & GAUGE DIAMETER	R12, R22, R502 *80mm /3.5"	R22, R134a, R404A 80mm /3.5"
REPLACEMENT HIGH GAUGE No.	*RGMH	RGPH
REPLACEMENT LOW GAUGE No.	*RGML	RGPL
MANIFOLD & GAUGES		
ITEM	M5M	M5P
MANIFOLD & (3) 5'/150cm HOSES & 3/8" VACUUM HOSE		
ITEM	M5MP5EC	M5PP5EC
MANIFOLD & (3) 5'/150cm HOSES & 3/8" VACUUM HOSE		
ITEM	M5MD	M5PD
ITEM	M5MP5ECD	M5PP5ECD

*Designates Oil Filled Gauges **M5XRK** - Diaphragm valve repair kit. **MXK** - Replacement knob with labels. [full listing of replacement parts see page 27](#)
"D" at very end of model# denotes digital vacuum gauge (VG201)

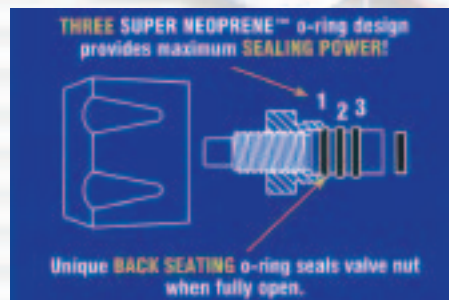


Included with all 5 Valve Manifolds

BLACKMAX™ 2-VALVE PISTON VALVE MANIFOLDS WITH 1/4" SAE FITTINGS

BLACKMAX™

Includes the Original TripleSeal™ Valve System!

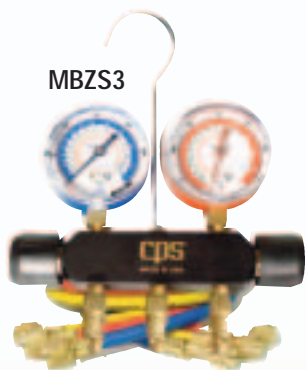


NEW TRIPLE-SEAL™ PISTON VALVE SYSTEM

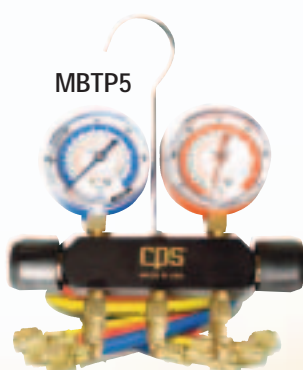
- Three Super Neoprene o-ring design
- Back-seating o-ring seals valve nut when fully open
- Floating nylon sealing disk
- Valve stems retract fully to provide maximum flow
- Mirror-like port finish for smooth valve movement

New 45° fittings for easy hose storage

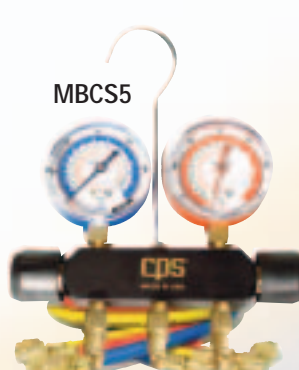
PRESSURE & TEMP. UNITS	PSI °F	PSI °F	PSI/kg/cm ² °F/°C	PSI/kPA °C	PSI/kPA °C
REFRIG. SCALES AND GAUGE	R12, R22, R502 68mm /2.5"	R134a, R404A, R507 68mm /2.5"	R12, R22, R502 68mm /2.5"	R134a, R22, R404A 68mm /2.5"	R407C, R22 68mm /2.5"
REPLACEMENT HIGH GAUGE No.	RGCH	RGDH	RGZH	RGTH	RGYH
REPLACEMENT LOW GAUGE No.	RGCL	RGDL	RGZL	RGTL	RGYL
MANIFOLD & GAUGES					
ITEM	MBC	MBD	MBZ	MBT	MBY
MANIFOLD & (3) 3'/90cm HOSES					
ITEM	MBCS3	MBDP3	MBZS3	MBTP3	MBYP3
MANIFOLD & (3) 5'/150cm HOSES					
ITEM	MBCS5	MBDP5	MBZS5	MBTP5	MBYP5



R-12, R-22, R-502
(South America/Asia only)



R-134a, R-22, R-404a
(Australia only)



R-12, R-22, R-502



BODY TYPE 1

BlackMax™

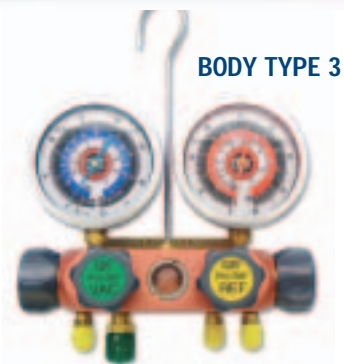
- Exclusive TripleSeal™ valve system
- Valve stems retract fully for maximum flow
- Back seating o-ring seals valve nut when fully open
- No flutter gauges with rugged Metal housings
- Aluminum block
- Additional Schraeder® valve "T" port
- Large easy-to-grip knobs



BODY TYPE 2

PRO-SET® Two Valve

- Anodized aluminum block
- Color Coded pink for R-410A
- One full turn open/close valves
- Industrial grade brass fittings
- 80mm/3.5" liquid filled gauges available



BODY TYPE 3

PRO-SET® Four Valve

- Anodized aluminum block body
- One full turn open/close valve
- Oversized sightglass for easy viewing
- Excellent vacuum characteristics
- No-flutter gauge design
- Easy-to-grip knobs

1/4" SAE FITTINGS ON MANIFOLD & HOSES

BODY TYPE	1	1	2	3
PRESSURE & TEMP. UNITS	PSI °F	PSI/kPA °F/°C	PSI/kPA °F/°C	PSI/kPA °F/°C
REFRIG. SCALES & GAUGE DIAMETER	R410A, R22, R404A 68mm / 2.5"	R410A 68mm 2.5"	R410A *80mm / 3.5"	R410A *80mm / 3.5"
REPLACEMENT HIGH GAUGE No.	RGHH	RGBH	*RGRH	*RGRH
REPLACEMENT LOW GAUGE No.	RGHL	RGBL	*RGRL	*RGRL
MANIFOLD & GAUGES				
ITEM	MBH	MBB	M3R	M13R
MANIFOLD & (3) 5'/150cm HOSES				
ITEM	MBHP5	MBBP5	M3RP5	M13RP5
MANIFOLD & (3) 5'/150cm HOSES WITH BALL VALVES ON END				
ITEM	MBHP5E	MBBP5E	M3RP5E	M13RP5E

*Designates Oil Filled Gauges When Present on "Replacement Gauge No."

1/2"-20 UNF FITTINGS ON MANIFOLD & HOSES

BODY TYPE	1	2	3	2
PRESSURE & TEMP. UNITS	PSI/kPA °F/°C	PSI/kPA °F/°C	PSI/kPA °F/°C	PSI/kPA °F/°C
REFRIG. SCALES & GAUGE DIAMETER	R410A 68mm / 2.5"	R410A 68mm / 2.5"	R410A *80mm / 3.5"	R410A *80mm / 3.5"
REPLACEMENT HIGH GAUGE No.	RGBH	RGBH	*RGRH	RGRH
REPLACEMENT LOW GAUGE No.	RGBL	RGBL	*RGRL	RGRL
MANIFOLD & GAUGES				
ITEM	MCB	M11B	M12R	M11R
MANIFOLD & (3) 3'/90cm HOSES				
ITEM	MCBJ3			
MANIFOLD & (3) 5'/150cm HOSES				
ITEM	MCBJ5	M11BJ5	M12RJ5	M11RJ5
MANIFOLD & (3) 5'/150cm HOSES WITH BALL VALVES ON END				
ITEM	MCBJ5E	M11BJ5E	M12RJ5E	M11RJ5E

*Designates Oil Filled Gauges When Present on "Replacement Gauge No."

see pg. 27 for replacement parts

R-410A, R-22 & R-407a ALL ON ONE GAUGE!



MBHP5E

R-22 TO R-410A ADAPTERS



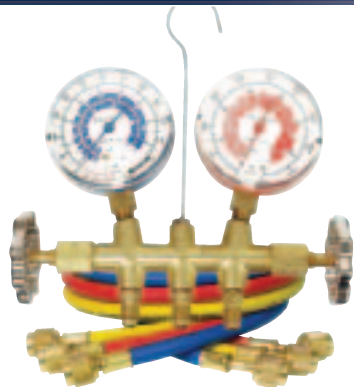
1/4 "SAE Male x
Female 1/2 "-20 UNF

See Page 35 For
More Adapters



1/4 "SAE Female x
Male 1/2 "-20 UNF

2-VALVE BRASS MANIFOLDS WITH 1/4" SAE FITTINGS

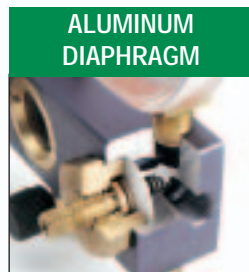


Brass Manifolds

- 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

PRESSURE & TEMP. UNITS	PSI °F	PSI °F	PSI/kg/cm ² °F/°C	PSI/kPA °C	PSI/kPA °C
REFRIG. SCALES AND GAUGE	R12, R22, R502 68mm /2.5"	R134a, R404A, R507 68mm /2.5"	R12, R22, R502 68mm /2.5"	R134a, R22, R404A 68mm /2.5"	R407C, R22 68mm /2.5"
REPLACEMENT HIGH GAUGE No.	RGCH	RGDH	RGZH	RGTH	RGYH
REPLACEMENT LOW GAUGE No.	RGCL	RGDL	RGZL	RGTL	RGYL
MANIFOLD & GAUGES					
ITEM	M6C	M6D	M6Z	M6T	M6Y
MANIFOLD & (3) 3'/90cm HOSES					
ITEM	M6CS3	M6DP3	M6ZS3	M6TP3	M6YP3
MANIFOLD & (3) 5'/150cm HOSES					
ITEM	M6CS5	M6DP5	M6ZS5	M6TP5	M6YP5

MANIFOLD REPLACEMENT PARTS



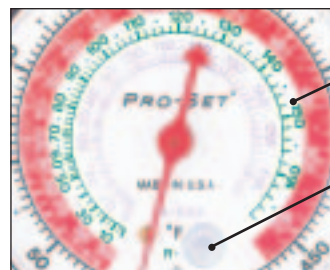
BLACKMAX MANIFOLDS	
MXC	Manifold carrying case
MXMH	Hook assembly (qty 1)
MXPK	BlackMax piston valve handle (qty 1)
MXPV	Complete BlackMax piston valve assembly (qty 1)
MXPVO	BlackMax piston valve o-ring kit (services 2 valves)
40-398	45° Tee 1/8MNPT x 1/2-20 UNF M x 1/2"-20UNF M w/core (qty 1)
40-399	45° Tee 1/8MNPT x 1/2-20 UNF M x 1/2"-20UNF M (qty 2)
40-396	45° Tee 1/8MPT X 1/4" SAE M X 1/4" SAE M w/core (qty 1)
40-397	45° Tee 1/8MPT X 1/4" SAE M X 1/4" SAE M (qty 2)
40-388	45° Tee 1/8MNPT x 1/2" ACME M x 1/2" ACME M w/core (qty 1)
40-389	45° Tee 1/8MNPT x 1/2" ACME M x 1/2" ACME M (qty 2)
40-392	R-134a low coupler anchor
40-393	R-134a high coupler anchor
ALUMINUM DIAPHRAGM MANIFOLDS	
MXC	Manifold carrying case
MXK	Valve handle w/labels (qty 1)
MXMH	Hook assembly (qty 1)
M2XHA	2-way hose anchor assembly (qty 1)
M2XPL	12mm x 1/8NPT
M2XRK	Diaphragm valve repair kit (services 2 valves)
M4XHA	4-way hose anchor assembly
M4XRK	diaphragm repair kit w/labels (services 4 valves)
M5XRK	diaphragm repair kit (services 5 valves)
40-147	1/8MPT X 1/4" SAE M
40-388	Tee 1/8MNPT x 1/2" ACME M x 1/2" ACME FM w/core
40-396	45° Tee 1/8MPT X 1/4" SAE M X 1/4" SAE M w/core (qty 1)
40-397	45° Tee 1/8MPT X 1/4" SAE M X 1/4" SAE M (qty 2)
40-398	45° Tee 1/8MNPT x 1/2"-20 UNF M x 1/2"-20 UNF M w/core (qty 1)
40-399	45° Tee 1/8MNPT x 1/2"-20 UNF M x 1/2"-20 UNF M (qty 2)
42-109	1/8MNPT x 1/2" ACME M
42-137	1/8MNPT x 1/2-20 UNF M

PRO-SET® 2-1/2"/68mm PRESSURE GAUGES

PRO-SET



- No-flutter gauge design
- Easy to read color coded dials
- Durable metal casing
- Front calibration access port
- High impact pop-in lexan lens
- 1/8" NPT brass connection



Color coded dials
Calibration access port

Pressure & Temp. Units	PSI /kPa °F/°C	PSI °F	PSI °F	PSI °F	PSI /kgcm ² °F/°C	PSI/kPa °C	PSI/kPa °C	PSI /kgcm ² °F/°C
Refrigerant Scales	R410A	R12, R22, R502	R134a, R404A, R507	R22, R410A, R404A	R134a	R22, R134a, R404A	R407C, R22	R12, R22, R502
Replacement High gauge No.	RGBH	RGCH	RGDH	RGHH	RGIH	RGTH	RGYH	RGZH
Replacement Low gauge No.	RGBL	RGCL	RGDL	RGHL	RGIL	RGTL	RGYL	RGZL

Replacement lens for gauges listed above **RGX68L**

PRO-SET® 3-1/2"/80mm PRESSURE GAUGES

PRO-SET



- Extra large easy to read scales
- No-flutter gauge design
- Durable metal casing
- Front calibration access port
- High impact pop-in lexan lens
- 1/8" NPT brass connection



Easy to read scales

Pressure & Temp. Units	PSI /kPa °C	PSI °F
Refrigerant Scales	R22, R134a, R404A	R134a
Replacement High gauge No.	RGPH	RGSH
Replacement Low gauge No.	RGPL	RGSL

Replacement lens for gauges listed above **RGX80L**

PRO-SET® 3-1/2"/80mm LIQUID FILLED GAUGES

PRO-SET



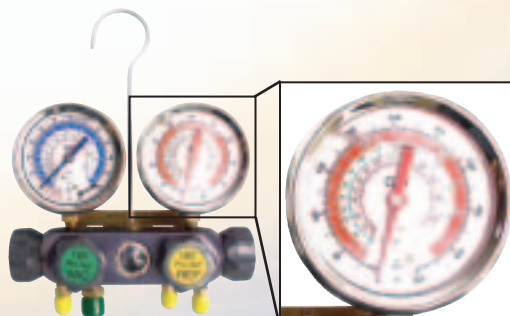
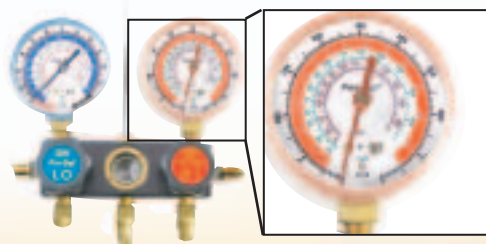
- Glycerin-filled
- Extra large easy to read scales
- No-flutter gauge design
- Rear calibration access port
- 1/8" NPT brass connection



top view

Fill/pressure release port

Pressure & Temp. Units	PSI °F	PSI /kPa °F/°C
Refrigerant Scales	R12, R22, R502	R410A
Replacement High gauge No.	RGMH	RGRH
Replacement Low gauge No.	RGML	RGRL





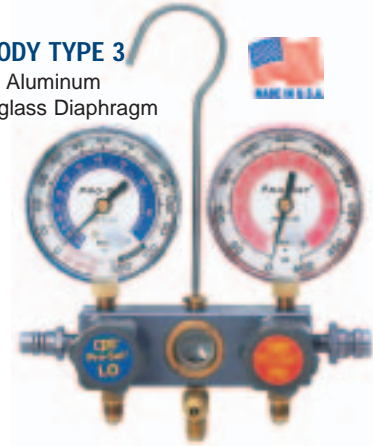
BODY TYPE 1
Brass Piston



BODY TYPE 2
Aluminum Piston



BODY TYPE 3
Aluminum
Sightglass Diaphragm



1/2" ACME FITTINGS ON MANIFOLD, 14mm HOSES & COUPLERS

BODY TYPE	1	2	3	2	3
PRESSURE UNITS	PSI/kgcm ²	PSI/kgcm ²	PSI	PSI/kPA	PSI/kPA
TEMP. UNITS	°F/°C	°F/°C	°F/°C	°C	°C
REFRIG. GAUGE	R-134a	R-134a	R-134a	R-134a	R-134a
SCALES & SIZE	68mm/2.5"	68mm/2.5"	80mm/3.5"	68mm/2.5"	68mm/2.5"
COUNTRY	US/S.A./ASIA	US/S.A./ASIA	USA	AUSTRALIA	AUSTRALIA
HIGH GAUGE	RGIH	RGIH	RGSH	RGTH	RGTH
LOW GAUGE	RGIL	RGIL	RGSL	RGTL	RGTL
MANIFOLD & GAUGES					
ITEM		MAI	M7S	MAT	M7T
MANIFOLD & (2) RED/BLUE 3'/90cm HOSES & (1) YELLOW 5'/150cm HOSE					
14mm SNAP Couplers	MB34				
MANIFOLD & (3) 6'/180cm HOSES WITH 14mm FEMALE PREMIUM COUPLERS					
14mm SNAP Couplers	MB134	MAIA6K			
14mm Manual Couplers		MAIA6Q	MA134	MATA6Q	M7TA6Q
TRUCK & BUS MANIFOLD & (3) 8'/180cm HOSES WITH 14mm FEMALE PREMIUM COUPLERS					
14mm Manual Couplers			MA134TR		

**Manifold
Oil Injector**



TLJ2 - R-12 1/4" SAE
TLJ4 - R-134a 1/2" ACME
•2 oz. capacity
•Anodized aluminum

Full listing of replacement parts see page 27

GOOD



MB34

BETTER



MAIA6K

BEST



MA134
MA134TR 8' HOSES
(Truck model)

NEW!
3-1/2" Large
Gauges





BODY TYPE 1
Brass Body



BODY TYPE 2
Aluminum Piston



BODY TYPE 3

Aluminum Sightglass Diaphragm with 2-1/2" 63mm gauges or 3-1/2" 80mm gauges



1/4" SAE MANIFOLD, HOSES & COUPLERS DUAL R-12/R-134a

BODY TYPE	1	2	3	2	3
PRESSURE & TEMP. UNITS	PSI/kgcm2 °F/°C	PSI/kgcm2 °F/°C	PSI °F	PSI °F	PSI/kPA °C
REFRIG GAUGE SCALES & SIZE	R-134a 68mm/ 2.5"	R-134a 68mm/ 2.5"	R-134a 80mm/ 3.5"	R134a, 404A, R507 (68mm)	R-134a 68mm/2.5"
COUNTRY	US/S.A./ASIA	US/S.A./ASIA	USA	USA	AUSTRALIA
HIGH GAUGE	RGIH	RGIH	RGSH	RGDH	RGTH
LOW GAUGE	RGIL	RGIL	RGSL	RGDL	RGTL
MANIFOLD WITH GAUGES					
ITEM	MDI	MDI	M8S	MBD	M8T
DUAL R-12/R-134a MANIFOLD & (3) 5'/150cm HOSES WITH COUPLERS					
1/4" SNAP Couplers	M6IS5K	MDIP5K			
1/4" Manual Couplers	M6IS5Q	MDIP5Q			
DUAL R-12/R-134a MANIFOLD & (3) 6'/180cm HOSES WITH MANUAL COUPLERS					
ITEM	MB1234	MDIP6Q	MA1234		M8TP6Q
TRUCK/TRAILER MANIFOLD & (3) 8'/240cm HOSES WITH MANUAL COUPLERS					
ITEM				MBDP8Q	

Full listing of replacement parts see page 27

GOOD

MB1234



Economy Dual

BETTER

MBDP8Q



R-134a, R-404A & R-507

BEST

MA1234



R-12 & R-134a

TOP OF THE LINE

MA434

(4) 6' HOSES
Manual Couplers



4 VALVE