

# SERVICE MANIFOLDS REFERENCE GUIDE

PART NO.	REFRIGERANT	GAUGE CALIBRATION**					TEMP		CHARGING LINES (BV = Low Loss Ball Valve Shut-Off)	MANIFOLD PORT CONNECTIONS
		PSI	BAR	Kg/cm <sup>2</sup>	kPa	MPa	°F	°C		
<b>800 SERIES DEEP DRAW 4-VALVE MANIFOLD</b>										
R-12, R-22, R-502										
820-C	R-12, R-22, R-502	●					●			1/4" & 3/8" SAE
820-CS* (w/Sight Glass)	R-12, R-22, R-502	●					●			1/4" & 3/8" SAE
821-C*	R-12, R-22, R-502	●					●		4-60" (3/8" VAC)	1/4" & 3/8" SAE
821-CS* (w/Sight Glass)	R-12, R-22, R-502	●					●		4-60" (3/8" VAC)	1/4" & 3/8" SAE
829-C*	R-12, R-22, R-502	●					●		3-60" w/Low Loss Fittings, 1-60" 3/8" VAC Line	1/4" & 3/8" SAE
R-134a										
830-CKP*	R-134a	●			●		●	●		1/4" & 3/8" SAE
830-CKPS* (w/Sight Glass)	R-134a	●			●		●	●		1/4" & 3/8" SAE
831-CKP*	R-134a	●			●		●	●	4-60" (3/8" VAC)	1/4" & 3/8" SAE
831-CKPS* (w/Sight Glass)	R-134a	●			●		●	●	4-60" (3/8" VAC)	1/4" & 3/8" SAE
R-410A										
840-C*	R-410A	●			●		●	●		1/4" & 3/8" SAE
840-CKPSC † (w/Sight Glass)	R-410A	●			●		●	●		5/16" & 3/8" SAE
841-C*	R-410A	●			●		●	●	4-60" (3/8" VAC)	1/4" & 3/8" SAE
841-CKPSC † (w/Sight Glass)	R-410A	●			●		●	●	4-60" (B, R, Y 5/16"; 3/8" VAC)	5/16" & 3/8" SAE
841-CM	R-410A	●			●		●	●	4-60" (B, R 1/4" x 5/16"; Y 1/4" x 1/4"; 3/8" VAC)	1/4" & 3/8" SAE
842-C*	R-410A	●			●		●	●	3-60" w/BV, 1-60" 3/8" VAC Line	1/4" & 3/8" SAE
NEW 870-CSC (w/Sight Glass & 80mm Gauges)	R-410A	●			●		●	●		1/4" & 3/8" SAE
NEW 871-CSC (w/Sight Glass & 80mm Gauges)	R-410A	●			●		●	●	4-60" (3/8" VAC)	1/4" & 3/8" SAE
NEW 872-CSC (w/Sight Glass & 80mm Gauges)	R-410A	●			●		●	●	3-60" w/BV, 1-60" 3/8" VAC Line	1/4" & 3/8" SAE
R-22, R-134a, R-404A										
NEW 843-CS (w/Sight Glass)	R-22, R134a, R-404A	●					●		4-60" (3/8" VAC)	1/4" & 3/8" SAE
NEW 860-CSC (w/Sight Glass & 80mm Gauges)	R-22, R134a, R-404A	●					●			1/4" & 3/8" SAE
NEW 864-CSC (w/Sight Glass & 80mm Gauges)	R-22, R134a, R-404A	●					●		4-60" (3/8" VAC)	1/4" & 3/8" SAE
NEW 880-CKPSC (w/Sight Glass)	R-22, R134a, R-404A	●			●		●			
R-410A, R-22, R-404A										
835-CSC (w/Sight Glass & 80mm Gauges)	R-410A, R-22, R-404A	●					●			1/4" & 3/8" SAE
836-CSC (w/Sight Glass & 80mm Gauges)	R-410A, R-22, R-404A	●					●		4-60" (3/8" VAC)	1/4" & 3/8" SAE
837-CSC (w/Sight Glass & 80mm Gauges)	R-410A, R-22, R-404A	●					●		3-60" w/BV, 1-60" 3/8" VAC Line	1/4" & 3/8" SAE
844-CC †	R-410A, R-22, R-404A	●					●		4-60" (3/8" VAC)	1/4" & 3/8" SAE
844-CS* (w/Sight Glass)	R-410A, R-22, R-404A	●					●		4-60" (3/8" VAC)	1/4" & 3/8" SAE
845-C*	R-410A, R-22, R-404A	●					●			1/4" & 3/8" SAE
846-C*	R-410A, R-22, R-404A	●					●		3-60" w/BV, 1-60" 3/8" VAC Line	1/4" & 3/8" SAE
846-CS (w/Sight Glass)	R-410A, R-22, R-404A	●					●		3-60" w/BV, 1-60" 3/8" VAC Line	1/4" & 3/8" SAE
R-404A, R-507, R-134a										
850-C*	R-404A, R-507, R-134a	●					●			1/4" & 3/8" SAE
851-C*	R-404A, R-507, R-134a	●					●		4-60" (3/8" VAC)	1/4" & 3/8" SAE
852-C*	R-404A, R-507, R-134a	●					●		3-60" w/Low Loss Fittings, 1-60" 3/8" VAC Line	1/4" & 3/8" SAE
R-410A, R-22, R-407C										
NEW 862-CSC (w/Sight Glass & 80mm Gauges)	R-410A, R-22, R-407C	●					●		3-60" w/BV, 1-60" 3/8" VAC Line	1/4" & 3/8" SAE
NEW 865-CSC (w/Sight Glass & 80mm Gauges)	R-410A, R-22, R-407C	●					●			1/4" & 3/8" SAE
NEW 866-CSC (w/Sight Glass & 80mm Gauges)	R-410A, R-22, R-407C	●					●		4-60" (3/8" VAC)	1/4" & 3/8" SAE
<b>700 SERIES KWIK-CHARGER™ MANIFOLD</b>										
R-410A, R-22, R-404A										
715-CC †	R-410A, R-22, R-404A	●					●			1/4" SAE
717-CC †	R-410A, R-22, R-404A	●					●		3-60"	1/4" SAE
718-CC †	R-410A, R-22, R-404A	●					●		3-60" w/BV	1/4" SAE
R-12, R-22, R-502										
720-CC †	R-12, R-22, R-502	●					●			1/4" SAE
721-CC †	R-12, R-22, R-502	●					●		3-60"	1/4" SAE
725-CC †	R-12, R-22, R-502	●					●		3-60" w/BV	1/4" SAE
R-22, R-407C, R-410A										
726-CC †	R-22, R-407C, R-410A	●					●		5-36" (B, R, Y 1/4" x 1/4"; B, R 1/4" x 5/16")	1/4" SAE
R-404A, R-407C, R-134a										
740-CBC †	R-404A, R-407C, R-134a	●	●				●			1/4" SAE
741-CBC †	R-404A, R-407C, R-134a	●	●				●		3-60"	1/4" SAE
R-404A, R-507, R-134a										
750-CC †	R-404A, R-507, R-134a	●					●			1/4" SAE
751-CC †	R-404A, R-507, R-134a	●					●		3-60"	1/4" SAE
755-CC †	R-404A, R-507, R-134a	●					●		3-60" w/BV	1/4" SAE
R-410A										
745-CBC †	R-410A	●	●				●			1/4" SAE
745-CKPC †	R-410A	●			●		●	●	3-60" (1/4" x 5/16")	1/4" SAE
R-22, R-404A, R-507										
762-CKPC †	R-22, R-404A, R-507	●			●		●		3-60"	1/4" SAE
<b>600 SERIES 4-VALVE MANIFOLD</b>										
R-12, R-22, R-502										
620-CC †	R-12, R-22, R-502	●					●			1/4" & 3/8" SAE
620-CB	R-12, R-22, R-502	●	●				●			1/4" & 3/8" SAE
620-CKP	R-12, R-22, R-502	●			●		●			1/4" & 3/8" SAE
620-CS* (w/Sight Glass)	R-12, R-22, R-502	●					●			1/4" & 3/8" SAE
621-C*	R-12, R-22, R-502	●					●		4-60" (3/8" VAC)	1/4" & 3/8" SAE
621-C-6	R-12, R-22, R-502	●					●		4-72" (3/8" VAC)	1/4" & 3/8" SAE

\* Add "C" suffix for clamshell packaging. † Clamshell packaging only. \*\* All gauges available with MPa, kPa, Bar, etc.

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		PSI	BAR	Kg/cm <sup>2</sup>	kPa	MPa	°F	°C		
<b>600 SERIES 4-VALVE MANIFOLD (CONT.)</b>										
R-12, R-22, R-502										
621-CD*	R-12, R-22, R-502	●		●			●		4-60" (3/8" VAC)	1/4" & 3/8" SAE
621-CK*	R-12, R-22, R-502				●			●	4-60" (3/8" VAC)	1/4" & 3/8" SAE
621-CKP*	R-12, R-22, R-502	●			●			●	4-60" (3/8" VAC)	1/4" & 3/8" SAE
621-CM*	R-12, R-22, R-502			●				●	4-60" (3/8" VAC)	1/4" & 3/8" SAE
621-CS* (w/Sight Glass)	R-12, R-22, R-502	●					●		4-60" (3/8" VAC)	1/4" & 3/8" SAE
629-C*	R-12, R-22, R-502	●					●		3-60" w/Low Loss Fittings, 1-60" 3/8" VAC Line	1/4" & 3/8" SAE
R-22, R-407C, R-410A										
626-CSC †	R-22, R-407C, R-410A	●					●		6-36" (B, R, Y 1/4" x 1/4"; B, R 1/4" x 5/16"; 3/8" VAC)	1/4" & 3/8" SAE
R-134a										
630-CKP*	R-134a	●			●		●			1/4" & 3/8" SAE
630-CKPS* (w/Sight Glass)	R-134a	●			●		●			1/4" & 3/8" SAE
631-CKP*	R-134a	●			●		●		4-60" (3/8" VAC)	1/4" & 3/8" SAE
631-CKP-6	R-134a	●			●		●		4-72" (3/8" VAC)	1/4" & 3/8" SAE
631-CKPS* (w/Sight Glass)	R-134a	●			●		●		4-60" (3/8" VAC)	1/4" & 3/8" SAE
R-410A										
640-C*	R-410A	●			●		●			1/4" & 3/8" SAE
640-CB	R-410A	●	●							1/4" & 3/8" SAE
641-CC †	R-410A	●			●		●		4-60" (3/8" VAC)	1/4" & 3/8" SAE
641-CM	R-410A	●			●		●		4-60" (B, R 1/4" x 5/16"; Y 1/4" x 1/4"; 3/8" VAC)	1/4" & 3/8" SAE
642-C*	R-410A	●			●		●		3-60" w/BV, 1-60" 3/8" VAC Line	1/4" & 3/8" SAE
R-410A, R-22, R-404A										
644-C*	R-410A, R-22, R-404A	●					●		4-60" (3/8" VAC)	1/4" & 3/8" SAE
644-CS* (w/Sight Glass)	R-410A, R-22, R-404A	●					●		4-60" (3/8" VAC)	1/4" & 3/8" SAE
645-C*	R-410A, R-22, R-404A	●					●			1/4" & 3/8" SAE
646-C*	R-410A, R-22, R-404A	●					●		3-60" w/BV, 1-60" 3/8" VAC Line	1/4" & 3/8" SAE
R-404A, R-407C, R-134a										
660-CB	R-404A, R-407C, R-134a	●	●					●		1/4" & 3/8" SAE
R-404A, R-507, R-134a										
650-C*	R-404A, R-507, R-134a	●					●			1/4" & 3/8" SAE
651-C*	R-404A, R-507, R-134a	●					●		4-60" (3/8" VAC)	1/4" & 3/8" SAE
651-CKPSC † (w/Sight Glass)	R-404A, R-507, R-134a			●	●		●		4-60" (3/8" VAC)	1/4" & 3/8" SAE
652-C*	R-404A, R-507, R-134a	●					●		3-60" w/Low Loss Fittings, 1-60" 3/8" VAC Line	1/4" & 3/8" SAE
R-22, R-134a, R-404A										
680-CKPSC † (w/Sight Glass)	R-22, R-134a, R-404A	●			●		●			1/4" & 3/8" SAE
681-CKPSC † (w/Sight Glass)	R-22, R-134a, R-404A	●			●		●		4-60" (3/8" VAC)	1/4" & 3/8" SAE
<b>520 SERIES 2-VALVE 4- OR 5-PORT MANIFOLD</b>										
R-134a, R-12										
520-CA* (w/Sight Glass)	R-134a, R-12	●					●			1/4" SAE
520-CAM (w/Sight Glass)	R-134a, R-12			●	●		●			1/4" SAE
R-12, R-22, R-502										
520-C* (w/Sight Glass)	R-12, R-22, R-502	●					●			1/4" SAE
521-C (w/Sight Glass)	R-12, R-22, R-502	●			●		●		3-60"	1/4" SAE
523-C (w/Sight Glass)	R-12, R-22, R-502	●					●		3-36"	1/4" SAE
R-404A, R-407C, R-134a										
560-CB (w/Sight Glass)	R-404A, R-407C, R-134a	●	●					●		1/4" SAE
R-22, R-407C, R-410A										
566-CC †	R-22, R-407C, R-410A	●					●		5-36" (B, R, Y 1/4" x 1/4"; B, R 1/4" x 5/16")	1/4" SAE
R-404A, R-507, R-134a										
525-CKPC † (w/Sight Glass)	R-404A, R-507, R-134a			●	●		●		3-36"	1/4" SAE
R-22, R-134a, R-404A										
580-CKPSC † (w/Sight Glass)	R-22, R-134a, R-404A	●			●		●			1/4" SAE
581-CKPSC † (w/Sight Glass)	R-22, R-134a, R-404A	●			●		●		3-60"	1/4" SAE
<b>510 SERIES 2-VALVE 4-PORT MANIFOLD</b>										
R-32, R-410A										
<b>NEW</b> 516-CC	R-32, R-410A	●			●		●		3-36" (5/16" x 5/16")	5/16" SAE
R-410A										
510-C*	R-410A	●			●		●			1/4" SAE
510-CM*	R-410A					●	●			1/4" SAE
511-C*	R-410A	●			●		●		3-60"	1/4" SAE
511-CM*	R-410A					●	●		3-60"	1/4" SAE
512-C*	R-410A	●			●		●		3-60" w/BV	1/4" SAE
513-C*	R-410A	●			●		●			5/16" SAE
514-CC †	R-410A	●			●		●		3-36" (5/16" x 5/16")	5/16" SAE
515-C*	R-410A	●			●		●		3-60" (5/16" x 5/16")	5/16" SAE
522-CC †	R-410A	●			●		●		3-60" (B, R 1/4" x 5/16" w/BV; Y 1/4" x 1/4")	1/4" SAE
540-CB	R-410A	●	●				●			1/4" SAE
570-CKPC † (w/Sight Glass)	R-410A	●			●		●			5/16" SAE
572-CKPC † (w/Sight Glass)	R-410A	●			●		●		3-60" (5/16" x 5/16")	5/16" SAE
R-410A, R-22, R-407C										
582-CKPC † (w/Sight Glass)	R-410A, R-22, R-407C	●			●		●		3-36" (1/4" x 5/16")	1/4" SAE

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		PSI	BAR	Kg/cm <sup>2</sup>	kPa	MPa	°F	°C		
<b>400 &amp; 500 SERIES DELUXE 2-VALVE BRASS MANIFOLD</b>										
<b>R-410A</b>										
415-C*	R-410A	●			●		●	●		1/4" SAE
416-C*	R-410A	●			●		●	●	3-36"	1/4" SAE
417-C*	R-410A	●			●		●	●	3-60"	1/4" SAE
417-C-6	R-410A	●			●		●	●	3-72"	1/4" SAE
418-CC †	R-410A	●			●		●	●	3-60" w/BV	1/4" SAE
419-C	R-410A	●			●		●	●	2-36" w/BV (B, R 1/4" x 5/16"); 1-60" / BV (Y 1/4" x 1/4")	1/4" SAE
454-C	R-410A	●			●		●	●	3-36" (B, R 1/4" x 5/16"; Y 1/4" x 1/4")	1/4" SAE
455-C	R-410A	●			●		●	●	3-36" w/BV (B, R 1/4" x 5/16"; Y 1/4" x 1/4")	1/4" SAE
456-C	R-410A	●			●		●	●	3-60" (B, R 1/4" x 5/16"; Y 1/4" x 1/4")	1/4" SAE
<b>R-410A, R-22, R-404A</b>										
420-C*	R-410A, R-22, R-404A	●					●			1/4" SAE
421-C*	R-410A, R-22, R-404A	●					●		3-60"	1/4" SAE
421-CM	R-410A, R-22, R-404A	●					●		3-60" (B, R 1/4" x 5/16"; Y 1/4" x 1/4")	1/4" SAE
422-C*	R-410A, R-22, R-404A	●					●		3-60" w/BV	1/4" SAE
<b>R-134a</b>										
435-CKP	R-134a	●			●		●	●		1/4" SAE
436-CKP*	R-134a	●			●		●	●	3-36"	1/4" SAE
<b>R-22, R-134a, R-404A</b>										
443-C	R-22, R-134a, R-404A	●					●		3-60"	1/4" SAE
<b>R-404A, R-507, 134a</b>										
450-C*	R-404A, R-507, R-134a	●					●			1/4" SAE
450-CM	R-404A, R-507, R-134a			●	●			●		1/4" SAE
451-C*	R-404A, R-507, R-134a	●					●		3-36"	1/4" SAE
451-CM*	R-404A, R-507, R-134a			●	●			●	3-36"	1/4" SAE
452-C*	R-404A, R-507, R-134a	●					●		3-60"	1/4" SAE
452-C-6	R-404A, R-507, R-134a	●					●		3-72"	1/4" SAE
<b>R-12, R-22, R-502</b>										
494-C	Manifold body only									1/4" SAE
495-C*	R-12, R-22, R-502	●					●			1/4" SAE
495-CB	R-12, R-22, R-502	●	●					●		1/4" SAE
495-CD*	R-12, R-22, R-502	●		●			●			1/4" SAE
495-CKP*	R-12, R-22, R-502	●			●			●		1/4" SAE
496-C*	R-12, R-22, R-502	●					●		3-36"	1/4" SAE
496-CD*	R-12, R-22, R-502	●		●			●		3-36"	1/4" SAE
496-CKP*	R-12, R-22, R-502	●			●			●	3-36"	1/4" SAE
498-C*	R-12, R-22, R-502	●					●		2-36" (B, R), 1-60" (Y)	1/4" SAE
500-C*	R-12, R-22, R-502	●					●		3-60"	1/4" SAE
500-CD*	R-12, R-22, R-502	●		●			●		3-60"	1/4" SAE
500-CD-6	R-12, R-22, R-502	●		●			●		3-72"	1/4" SAE
505-C	R-12, R-22, R-502	●					●		3-60" w/Low Loss Fittings	1/4" SAE
<b>R-22, R-134a, R-404A</b>										
481-CKPC †	R-22, R-134a, R-404A	●			●			●		1/4" SAE
482-CKP*	R-22, R-134a, R-404A	●			●			●	3-36"	1/4" SAE
<b>R-32, R-410A</b>										
<b>NEW</b> 453-C	R-32, R-410A	●			●		●	●	3-60" (B, R 1/4" x 5/16"; Y 1/4" x 1/4")	1/4" SAE
<b>300 SERIES ECONOMY 2-VALVE BRASS MANIFOLD</b>										
<b>R-134a</b>										
335-CKP*	R-134a	●			●		●	●		1/4" SAE
336-CKP*	R-134a	●			●		●	●	3-36"	1/4" SAE
<b>R-12, R-22, R-502</b>										
395-C*	R-12, R-22, R-502	●					●			1/4" SAE
395-CD*	R-12, R-22, R-502	●		●			●			1/4" SAE
395-CKP*	R-12, R-22, R-502	●			●			●		1/4" SAE
396-C*	R-12, R-22, R-502	●					●		3-36"	1/4" SAE
396-CD*	R-12, R-22, R-502	●		●			●		3-36"	1/4" SAE
396-CKP	R-12, R-22, R-502	●			●			●	3-36"	1/4" SAE
397-CD	R-12, R-22, R-502	●		●			●		3-72"	1/4" SAE
398-CC †	R-12, R-22, R-502	●					●		3-60"	1/4" SAE
398-CD	R-12, R-22, R-502	●		●			●		3-60"	1/4" SAE
<b>R-22, R-134a, R-404A</b>										
398-CKP*	R-22, R-134a, R-404A	●			●			●	3-36"	1/4" SAE
<b>MANIFOLD ACCESSORIES &amp; SERVICE PARTS (see pages 33-34 for details)</b>										
10SG	Sight Glass Repair Kit									
400-RB	Set: Red & Blue Protective Gauge Boots									
405-RH	High Side Repair Kit w/soft touch knob for 300 & 400 Series "Imperial USA" brass manifold									
405-RL	Low Side Repair Kit w/soft touch knob for 300 & 400 Series "Imperial USA" brass manifold									
500-RH	High Side Repair Kit for 510 & 511 Series R-410A manifold									
500-RL	Low Side Repair Kit for 510 & 511 Series R-410A manifold									
600-R	Diaphragm Replacement Seal Kit for all 600 Series manifolds									
601-RK	Replacement VAC & REF Knobs w/stems for all 600 Series manifolds									
602-RK	Replacement HI & LO Knobs w/stems for all 600 Series manifolds									
700-CV	Control Valve Repair Kit for 700 Series manifold									
800-R	Repair Kit for 800 Series manifold									

\* Add "C" suffix for clamshell packaging. † Clamshell packaging only. \*\* All gauges available with MPa, kPa, Bar, etc.