

Refrigerant Can Taps, Sockets, and Adapters



New EPA rules require a self-sealing valve on small cans used to recharge a system. The California Air Resources Board (CARB) has also introduced specific regulations on containers holding more than two ounces and less than two pounds of refrigerant by weight and with a Global Warming Potential (GWP) greater than 150. Traditionally, unused refrigerant was immediately vented into the atmosphere after a recharging process. New self-sealing containers have proven to reduce pollutants but require special attention when it comes to the can tap and adapters. Using the wrong can tap/adaptor on a self-sealing valve can destroy the seal, leaking refrigerant or trapping it inside. Both piercing and self-sealing cans are currently in the market, causing practitioners to be careful with their choice of taps/adapters.

The tables below show can taps, primary seal sockets, and common adapters for R12, R134a, and R1234yf. *Note that R134a cans require a right-hand thread and R1234yf cans require a left-hand thread.

Can Taps	Can Tap - Lock Top x R12, R134a, R1234yf	Can Tap x Service Hose 1/2" ACME	Can Tap x Service Hose 1/2" ACME	Re-Charging Hose Can Tap x Coupler	Re-Charging Hose Can Tap x Coupler with Gauge	Side Can Tap
Piercing R12, R134a, R1234yf *	MT1528-K	x	x	x	x	5811247
<i>*Locks on Can Tap contains 2 adapters (1/4" x 1/2" Acme right & 1/4" x 1/2" Acme left)</i>						
Piercing R134a Right hand thread	x	5811248	x	5811375	5811515	5811247
Self-Sealing (CARB) R134a Right hand thread	x	5811699	5811699	5811721	5811722	5811247
Self-Sealing (CARB) R1234yf Left hand thread	x	5811693	X	5811698	5811697	x
Oil/Dye Injectors	1/4 oz. - 1/2 oz. Hand Turn	2 oz. Hand Turn	2 oz. Gauge Set	2 oz. QDK Low Side Hose	Shaft Seal Protector	
R12	x	x	x	x	5811385	
R134a	x	x	5811294	5811386	X	
R12/R134a	5811535	5811415	X	X	X	
R12/R134a/R1234yf	5811675	5811677	X	5811676	X	
Primary Seal Sockets		Common Adapters				
R134a 5811364	R1234yf 5811723			Vacuum Pump	Cylinder Tank	
		R134a 1/4" female flare X 1/2" Acme male flare threads right		5811263	x	
		R1234yf 1/4" female flare X 1/2" Acme male flare threads left		5811674	x	
		R134a 1/2" Acme threads right x 13mm QDK		x	5811443	
		R1234yf 1/2" Acme threads left x 14mm QDK		x	5811673	

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