

HOSE ADAPTERS, VALVES AND PARTS

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MACHINES

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SYSTEMS

5. VACUUM AND
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6. HOSE
ADAPTERS,
VALVES AND PARTS

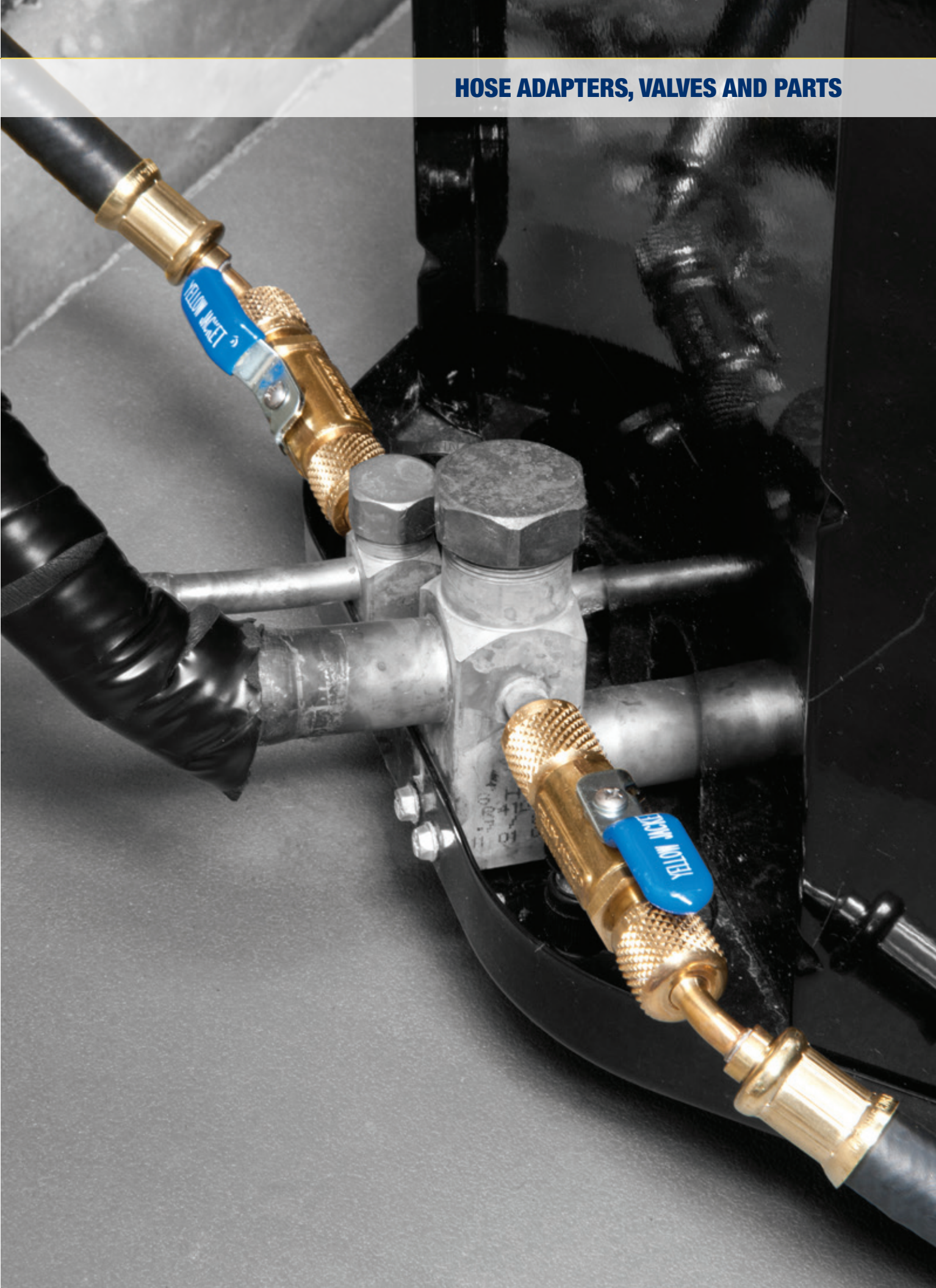
7. WIRELESS AND
ELECTRONIC
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10. SYSTEM TOOLS

6.1




NEW



The RealTorque™ Core Removal Tool is essential for effectively removing and replacing HVAC/R system Schrader cores.

The RealTorque™ Vacuum/Charge Valve with Side Port removal of system Schrader cores can greatly increase the speed of recovery and evacuation. Once charging is complete, it is important that the system Schrader cores be properly tightened to prevent leaks. The RealTorque™ Core Removal Tool has an integrated torque mechanism that clicks as soon as the Schrader core has been tightened to the manufacturer recommended torque value of 3-5 in-lb. This provides assurance that the Schrader core is properly tightened on every job and minimizes the chances of leaks from this area of the system.

FEATURES & BENEFITS

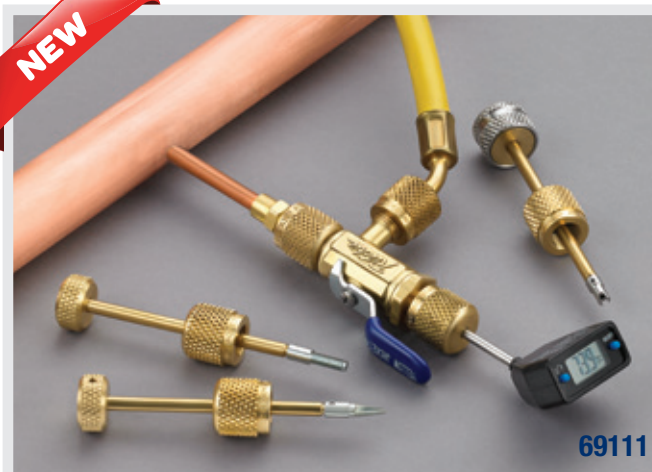
- Core removal improves the speed of recovery and evacuation
- Torque mechanism clicks when Schrader core has been properly tightened to 3-5 in-lb
- Side port provides attachment location for vacuum gauge
- Available in 1/4" and 5/16" sizes
- Complete valves and superheat kits supplied in hard cases for protection
- One-year warranty
- Made in USA 

Torque Extractor (CRT) Assembly

Upgrade your current core removal tool with the 18998 (1/4") and 18999 (5/16") RealTorque™ Extractor Assembly.



NEW



RealTorque™ SuperHeat Kits

The RealTorque™ SuperHeat Kits include all the tools necessary for accurate system superheat calculations. The thermometer and core removal tool with side port allow for the pressure and temperature measurements to be taken at the same system location. Compare these measurements to the system refrigerant P/T chart to determine the system superheat. Once charging is complete, use the RealTorque™ Core Removal tool to properly tighten the system Schrader core to the manufacturer's recommended torque value of 3-5 in-lb with its integrated torque mechanism. The kits also include all the tools necessary to replace Schrader cores without losing system pressure even if the core or mating core threads are damaged. Kits are available for 1/4" (69111) and 5/16" (69112) systems.



69112

UPC #	Description
18991	RealTorque™ 1/4" Vacuum/Charge Valve with Side Port
18992	RealTorque™ 5/16" Vacuum/Charge Valve with Side Port
18994	RealTorque™ 1/4" Male x 5/16" Female Vacuum/Charge Valve with 1/4" Side Port
69111	RealTorque™ 1/4" SuperHeat Kit with Torque CRT
69112	RealTorque™ 5/16" SuperHeat Kit with Torque CRT
UPC #	Replacement Parts
18978	1/4" Schrader Rethreading Accessory
18979	1/4" Broken Schrader Remover Accessory
18980	1/4" Schrader Accessory Set – 2 Piece
18988	5/16" Schrader Rethreading Accessory
18989	5/16" Broken Schrader Remover Accessory
18998	RealTorque™ 1/4" Torque CRT Accessory
18999	RealTorque™ 5/16" Torque CRT Accessory
69106	Digital Thermometer & 1/4" Nut
69113	Digital Thermometer & 5/16" Nut

1/4" 4-IN-1 BALL VALVE TOOL

For vacuum, charge, cores and recovery



Remove and replace Schrader cores without losing charge.

- Extra 1/4" side port on 18975 to attach electronic micron vacuum gauge right at system for greater accuracy or to add refrigerant
- Evacuate and charge through an unrestricted line for increased speed and higher vacuum
- Core removal allows recovery unit to work at maximum efficiency, speeding the recovery process



UPC#	Description
18975	Vacuum/charge valve with side port
18971	Vacuum/charge valve without side port
18980	Accessory set - 2 piece
18978	Schrader rethreading accessory
18979	Broken Schrader remover accessory
18983	Quad rings (10 pak)
18997	Grappler rod/nut assembly
18973	Gasket for 18975 (5 pak)
18974	Seal kit includes core, cap, 4 "O" rings, gasket
19305	Schrader cores (10 pak)



5/16" 4-IN-1 BALL VALVE TOOL

For R-410A systems with 5/16" access ports



Similar to the 1/4" 4-in-1 core tool but with 5/16" flare fittings. For use with R-410A systems and mini splits with larger 5/16" service ports.



UPC#	Description
18985	5/16" Vacuum/charge valve with side port
18981	5/16" Vacuum/charge valve without side port
18987	5/16" Grappler rod/nut assembly
18988	5/16" Rethread accessory
18989	5/16" Schrader remover
18984	Seal kit includes core, cap, 4 "O" rings, gaskets
19173	5/16" Quick coupler x 1/4" MFL Schr
19305	Schrader cores (10 pak)
18986	1/4" Male x 5/16" female vacuum/charge valve
18973	Gasket for 18975 (5 pak)

COMPACT BALL VALVES

1/4" and 5/16"



Compact ball valves feature full flow for charging and recovery. Metal valve handle.

- 1/4" ball valves are UL recognized to 4000 psi (276 bar) minimum burst, 800 psi (55 bar) maximum working pressure
- 5/16" for R-410A applications where 5/16" system ports are used
- 5/16" are UL recognized to 4000 psi (276 bar) minimum burst, 800 psi (55 bar) maximum working pressure



UPC#	Description
93844	1/4" Compact ball valve – straight
93843	1/4" Compact ball valve – 45°
93842	1/4" Compact ball valves – 45° (3 pak)
93825	5/16" Compact ball valve for 5/16" Female flare x 1/4" Male flare-45°
93826	5/16" Compact ball valve for 1/4" Female flare x 5/16" Male flare
93827	5/16" Compact ball valve for 5/16" Female flare x 5/16" Male flare

FULL CONTROL BALL VALVES FOR VACUUM/CHARGING



When building your own charging/vacuum system, these straight flow-through valves connect hoses and provide full-flow capacity.

- No angles to cause restrictions and pressure drops
- Handle position shows when the valve is opened or securely closed



	M. fl. x M. fl.	M. fl. x 1/4" FPT	M. fl. x Fe. fl.	Gaskets
1/4" SAE*	93834	93833	93844	19020
5/16" SAE	–	–	93827	19020
3/8" SAE*	93836	93832	93846	19011
1/2" SAE	93838	–	93848	19015
1/2" Acme*	93830	93831	93840	19020
19095	Replacement handle/screw for all 1/4", 3/8" and Acme valves (2 pc. set)			
19096	Replacement handle/screw for all 1/2" flare valves (2 pc. set)			

* UL Listed

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5. VACUUM AND CHARGING HOSES

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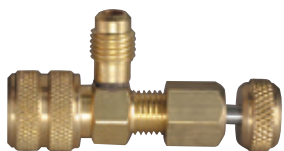
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GAS RETENTION VALVE



- Valve controls refrigerant flow from access fitting
- Closes Schrader before disconnecting
- Back seat valve feature to retain gas in hose when disconnecting
- 1/4" Female flare x 1/4" Male flare
- 500 psi working pressure
- Made in the USA 

UPC#	Description
18993	Core depressor valve
18995	"O" ring set

VACUUM/CHARGE VALVE



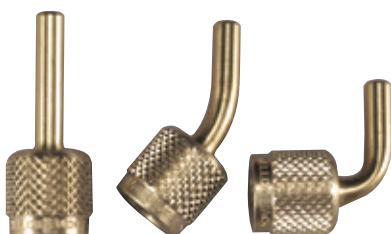
1/4" vacuum/charge valve with or without side port. For faster vacuum/charging or removing/replacing Schrader cores.



UPC#	Description
18990	Vacuum/Charge valve with side port
19000	Vacuum/Charge valve

Replacement parts	
18995	"O" ring set
18996	Shut-off stem
18997	Grappler rod/nut assembly

QUICK COUPLER-STYLE BRAZE-IN FITTINGS



Braze-in brass fitting with replaceable soft seat. Quick coupler-style fittings are the same as supplied on metal hose.



UPC#	Description
19082	1/4" Str. Female fl. with CH20 gasket
19083	1/4" 45° Female fl. with CH20 gasket
19084	1/4" 90° Female fl. with CH20 gasket
19085	3/8" Str. Female fl. with quad ring
19086	3/8" 45° Female fl. with quad ring
19087	3/8" 90° Female fl. with quad ring
19088	1/2" Str. only Female with CH80 gasket

Use 19015 (CH80), 19020 (CH20) and 19026 (quad ring) seals.

VALVE CORE TOOL



Self contained tool for quickly removing and replacing cores. Handle contains six cores.

UPC#	Description
19306	Valve core tool
19305	Schrader valve (10 pk)

125 AND 145 LB. CYLINDER VALVE ADAPTER



Finger tight adapters fit 125 and 145 lb. cylinders. Seal remains seated.



UPC#	Description
19105	3/4" NPS cylinder adapter with 1/4" Male flare
19106	3/4" NPS cylinder adapter with 3/8" Male flare
18001	Replacement gasket (10 pak)

VACUUM PUMP INTAKE ADAPTER



Reducing adapter for pump intakes on SUPEREVAC™ and other vacuum pumps.



UPC#	Description
19130	3/8" Fe. fl. x 1/4" M. fl. adapter
19131	1/2" Fe. fl. x 3/8" M. fl. adapter
19132	1/2" Fe. fl. x 1/4" M. fl. adapter
19160	1/2" Fe. fl. x 1/2" M. Acme adapter
19133	3/8" Fe. fl. x 1/2" M. fl. adapter

VACUUM PUMP ADAPTER



Convert a 3/8" or 1/2" vacuum pump intake into 1/4" and 1/2" Acme R-134a compatible fittings.



UPC#	Description
36018	1/2" Pump adapter with 1/4" flare and 1/2" Acme Male fittings
36019	3/8" Pump adapter with 1/4" flare and 1/2" Acme Male fittings

MODIFIED NEEDLE VALVE In-line control



UPC#	Description
69670	Needle type bleed valve 1/4" flare

MANIFOLD PARTICULATE FILTER



Manifold particulate filters trap particles before they damage valve seats or pass into recovery equipment. Screens are replaceable and cleanable.



UPC#	Description
41119	1/4" Manifold particulate filter
41120	3/8" Manifold particulate filter
41121	1/2" Manifold particulate filter
41122	Replacement filter screen (5 pak)

ADD-A-HOSE COUPLER

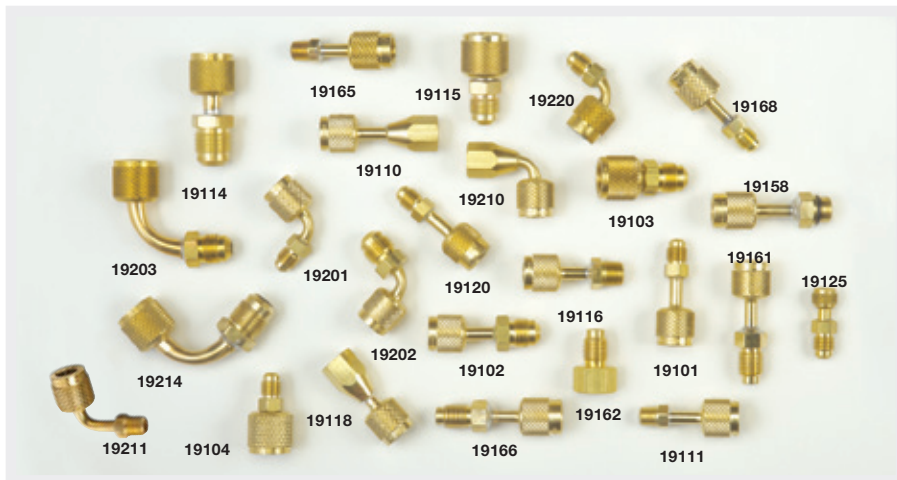


Add-a-hose couplers easily connect hoses to the length desired.



UPC#	Description	UPC#	Description
19143	3/16" Male flare	19150	5/8" Male flare
19144	1/4" Male flare	19152	3/4" Male flare
19146	3/8" Male flare	19142	1/2" Acme
19148	1/2" Male flare	—	—

QUICK COUPLERS Expanded line



- Full size with deep knurling for easy handling
- CH14 "Adjust-a-Valve" opener in all 1/4" Female ends
- Acme conversion couplers are available for recovery tank threads and R-134a cylinder threads
- 5/16" Conversion couplers available
- Made in the USA

UPC#	Description
Straight quick couplers	
19125	1/8" Female QC x 1/4" Male flare (Ford)
19120	3/16" Female QC x 1/4" Male flare (GM)
19101	1/4" Female QC x 1/4" Male flare
19102	1/4" Female QC x 3/8" Male flare
19111	1/4" Female QC Str. x 1/8" NPT Male
19116	1/4" Female QC Str. x 1/4" NPT Male
19103	3/8" Female QC x 3/8" Male flare
19104	3/8" Female QC x 1/4" Male flare
19115	1/2" Female QC x 3/8" Male flare
19114	3/8" Female QC x 1/2" Male flare
19020	Gaskets (10 pk)

UPC#	Description
90° Quick couplers	
19220	3/16" Female QC 90° x 1/4" Male flare
19201	1/4" Female QC 90° x 1/4" Male flare
19202	1/4" Female QC 90° x 3/8" Male flare
19203	3/8" Female QC 90° x 3/8" Male flare
19214	3/8" Female QC 90° x 1/2" Male flare

Gauge quick couplers with CH14 adjustable valve opener	
19110	1/4" Female QC x 1/8" NPT Fe.
19118	1/4" Female QC Str. x 1/4" NPT Fe.
19210	1/4" Female QC 90° x 1/8" NPT Fe.
19218*	1/4" Female QC 90° x 1/4" NPT Fe.

5/16" Quick couplers with CH14 adjustable valve opener	
19121*	5/16" QC Str. x 1/4" Male flare
19221*	5/16" QC 90° x 1/4" Male flare
19122*	1/4" QC Str. x 5/16" Male flare
19222*	1/4" QC 90° x 5/16" Male flare

ACME 1/2" couplers – auto straight	
19161	1/4" Female QC x 1/2" Acme Male
19162	1/4" Female hex x 1/2" Acme Male for permanent applications
19166	1/2" Acme Male x 1/2" Acme Female
19165	1/2" Acme Female x 1/4" Male flare
19168	1/2" Acme Female x 1/8" NPT Male
19158	1/2" Acme Female x 14 mm Male

* Not pictured

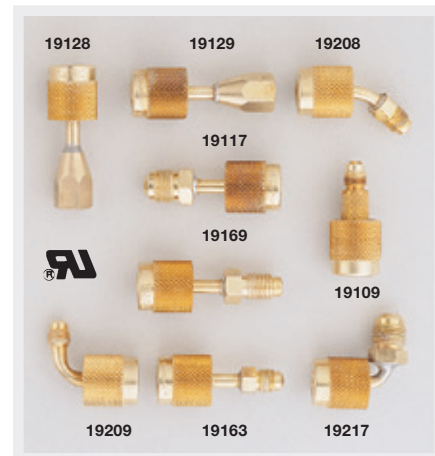
QUICK COUPLERS Schrader core in male end



- All couplers have Schrader valve cores in Male flare end
- Female coupler end has deep knurling for easy handling
- Patented CH14 "Adjust-a-Valve" opener in all 1/4" Female ends
- Made in the USA

UPC#	Description
Straight quick couplers	
19171	1/4" Female QC x 1/4" Male flare
19172	3/8" Female QC x 1/4" Male flare
90° Bend quick couplers	
19191	1/4" Female QC x 1/4" Male flare
19192	3/8" Female QC x 1/4" Male flare
45° R-410A couplers	
19173	5/16" Female QC x 1/4" Male flare
19174	1/4" Female QC x 5/16" Male flare
19175	5/16" Female QC x 5/16" Male flare

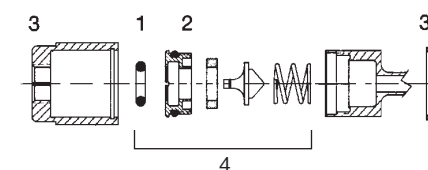
SealRight™ QUICK COUPLERS



SealRight™ fittings automatically and immediately trap refrigerant in the hose when disconnected, helping meet non-venting regulations and preventing finger burns. One-piece attaches quickly, saving up to 50 percent in time compared to 2-piece quick couplers.

- Works with or without Schrader core
- Gaskets resist deterioration from SealRight repair assembly components
- CFC, HCFC, HFC refrigerants and refrigerant oils. Field serviceable
- Made in the USA


UPC#	Description
19109	1/4" SealRight™ Str. x 1/4" Male flare
19208	1/4" SealRight™ 45° x 1/4" Male flare
19209	1/4" SealRight™ 90° x 1/4" Male flare
19100	Set of 19109 and 19209
19117	1/4" SealRight™ Str. x 3/8" Male flare
19217	1/4" SealRight™ 90° x 3/8" Male flare
19128	1/4" SealRight™ Str. x 1/8" NPT Female
19129	1/4" SealRight™ Str. x 1/4" NPT Female
19169	Acme 1/2" SealRight™ x 1/2" Acme
19163	Acme 1/2" SealRight™ x 1/4" Male flare



UPC#	Description
SealRight repair assembly components	
19037	"O" rings (10 pak) (1)
19038	Plug assembly with all seals (2)
19039	Nut and clip (3)
19040	Rebuild kit (4)
19041	Overhaul kit with all above parts
19045	Gasket set

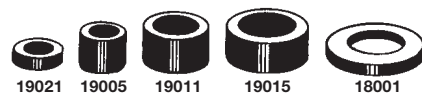
SINGLE VALVES



- Individual manifolds for hi- and lo-sides of system
- Individual valves are available in two or three port versions
- Nylon seals with double “O” rings
- Made in the USA 

UPC#	Description
40317	High-side manifold with gauge
40318	Low-side manifold with gauge and hook
40315	2 Port valve – 1/8" NPT Female x 1/4" Male flare
40325	3 Port valve – 1/8" NPT Female x 2 1/4" Male flares
40350	2 Port valve – 1/4" QC Female with CH14 depressor x 1/4" Male flare with Schrader
40326	Low-side 1/4" valve for R-32 and R-410A
40338	Low-side manifold R600A
40339	High-side manifold R600A/600/290
40340	Low-side manifold R600A/600/290

QUICK COUPLER GASKETS AND “O” RINGS



The only gaskets designed for optimum performance with YELLOW JACKET® Charging Hoses. Works with all refrigerants. Manufactured to strict tolerances to resist blow out.

UPC#	Gasket/ Part	Quantity	Application
19020	CH20/10	10	1/4" Hose 5/16" Hose 1/2" Acme hose
19005	CH20/100	100	1/4" Hose
19011	CH11	10	3/8" Hose
19015	CH80	10	1/2"-5/8" Hose
19012	E hose	10	3/4" Hose
18001**		10	Cylinder valve
19021	1/8" Gasket	10	1/8" Coupler
19022		5	60667 Recovery pliers
19010	CH20 and CH14	6 3	1/4" Hose opener
UPC#	"O" ring	Quantity	Application
19026*	–	10	3/8" Quad ring
19034	–	10	"O" ring for 14 mm Male
19037	–	10	1/4" SealRight "O" ring
UPC#	Description		
59651	1/4" Copper gaskets (10 pak)		
59652	3/8" Copper gaskets (10 pak)		
59653	1/2" Copper gaskets (10 pak)		
59654	5/8" Copper gaskets (10 pak)		
59655	3/4" Copper gaskets (10 pak)		


* Gaskets for some metal hose sizes. Others use 19020 or 19011 gaskets.

**Flat washer.

PARTS KITS AND EMPTY BOXES

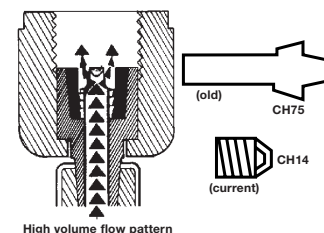


The **19003** complete kit includes the following gaskets, valve openers and SealRight parts in a 12 compartment case.

- Five 1/8" gaskets
- Five 1/8" valve openers
- One hundred 3/16"-1/4" gaskets
- Ten 1/4" Adjust-a-Valve openers
- Ten 1/4" flat valve openers
- Ten 3/8" gaskets
- Ten 1/2"-5/8" gaskets
- Ten cylinder valve flat gaskets
- Ten SealRight “O” rings
- Four SealRight plug and seal assemblies
- Four 1/4" SealRight nut and clip
- Made in the USA 

UPC#	Description
19003	Complete kit
19004	11" x 6-3/4" x 3/4" Kit box with parts label
60178	11" x 6-3/4" x 3/4" 12 Compartments empty
60135	11" x 6-3/4" x 3/4" 18 Compartments empty

“ADJUST-A-VALVE™” OPENERS



The patented Adjust-a-Valve™ reaches out-of-tolerance Schrader valves in 1/4", 3/16" and 5/16" couplers. Simply rotate the opener with needle nose pliers to the desired height and when finished, rotate it back. Adjust-a-Valve™ for 1/4" and 5/16" hoses is the same.

 MADE IN THE USA

UPC#	Description
19302	Adjust-a-Valve™ openers (10 pak)
19301	1/4" Valve openers (10 pak)
19304	1/8" Valve openers (10 pak)

GASKET REMOVER PICK

Easily remove worn gaskets from hoses and replace with new gaskets. Sharp, angled pick is long enough to pull the gasket from deep inside the hose. Notch on the opposite end of the pick for placing the depressor inside the hose. Pick stores inside case along with five CH20 gaskets (included) for protection and safety.



UPC#	Description
19047	Gasket Remover Pick (Individual)
19048	Counter Display (12 pak)

AUTOMOTIVE R-134a A/C COUPLERS

Premium with control valve

41301 - 41338



Couplers interface with R-134a service ports. 14 mm Female thread or 1/4" Male flare available.

- Quick, easy connect/disconnect
- Control valve for access to systems even at working pressures
- Integral safety sleeve holds coupler securely to service port
- Highest flow characteristics
- Low profile for tight applications



UPC#	Description
41301	Chrome hi-side x 14 mm R-134a coupler
41302	Chrome lo-side x 14 mm R-134a coupler
41327	Hi-side x 3/8" Male fl., R-134a coupler
41328	Lo-side x 3/8" Male fl., R-134a coupler
41337	Hi-side x 1/4" Male fl., R-134a coupler
41338	Lo-side x 1/4" Male fl., R-134a coupler
41300	Replacement "O" rings (2 pak)

LIQUID CHARGING ADAPTER

Convert liquid to saturated vapor



Liquid charging is recommended when charging blends into refrigeration and air conditioning systems. A liquid charging adapter is necessary for safe and fast liquid (saturated vapor) charging through the low pressure side of a system. The YELLOW JACKET® liquid charging adapter connects to the cylinder valve or refrigerant tank.

- To protect the compressor, adapter orifice reduces liquid flow to a level below compressor capacity
- Refrigerant flashes off into a saturated vapor to speed entry
- Eliminates the time and work of heating cylinders
- Made in the USA

UPC#	Description
41123	1/4" Liquid charging adapter
41124	5/16" Liquid charging adapter
41132	Replacement "O" ring/orifice for 1/4" adapter
41138	Replacement "O" ring/orifice for 5/16" adapter

AUTOMOTIVE R-134a ECONOMY A/C COUPLERS



A basic R-134a service coupler with no control valve. Snaps on for instant flow.

UPC#	Description
41318	Lo-side coupler with 1/4" flare
41317	Hi-side coupler with 1/4" flare
41305	Replacement "O" ring set (6 pak)

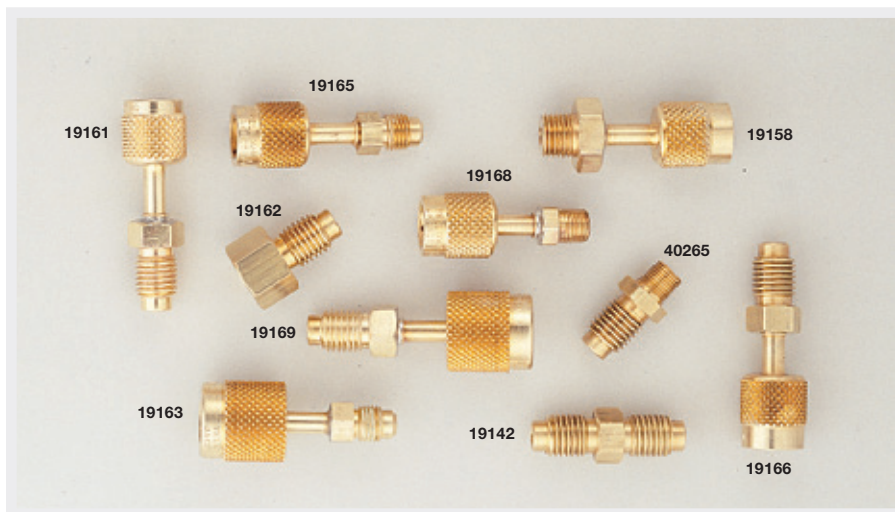
AUTOMOTIVE 1234YF A/C COUPLERS



- Couplers interface with 1234yf service ports.
- M12x1.5-6H Female thread
- Quick, easy connect/disconnect
- Meets SAE J639

UPC#	Description
41441	1234yf hi-side coupler, 12mm
41442	1234yf lo-side coupler, 12mm

AUTOMOTIVE A/C FITTINGS COUPLERS



Adapter fittings designed to work with 1/2" Acme or 14 mm threads.

UPC#	Description
19157*	14 mm Male x 1/4" Male flare
19156*	14 mm Male x 3/8" Male flare
19161	1/2" Acme Male x 1/4" Female flare
19165	1/2" Acme Female x 1/4" Male flare
19158	1/2" Acme Female x 14 mm Male
19162	1/2" Acme Male x 1/4" Female flare hex
19168	1/2" Acme Female x 1/8" Male pipe
19169	1/2" Acme Male x 1/2" Acme SealRight
19163	1/2" Acme SealRight x 1/4" Male flare
19166	1/2" Acme Female x 1/2" Acme Male
40265	1/2" Acme Male x 1/8" NPT Male half union
19142	1/2" Acme union
19153*	1/2" Acme Female hex x 13 mm R-134a lo-side Male for A/C system

* Not pictured