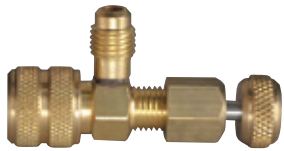


1. CHARGING SYSTEMS  
2. GAUGES  
3. RECOVERY MACHINES  
4. VACUUM PUMP SYSTEMS  
5. VACUUM AND CHARGING HOSES  
6. HOSE ADAPTERS, VALVES AND PARTS  
7. WIRELESS AND ELECTRONIC INSTRUMENTS  
8. LEAK DETECTORS AND MONITORS  
9. HEATING INSTRUMENTS  
10. SYSTEM TOOLS

## 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



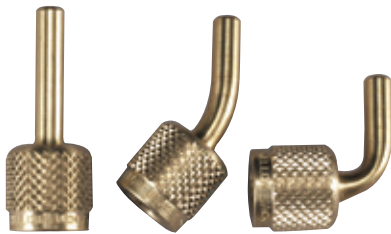
1/4" vacuum/charge valve with or without side port. For faster vacuum/charging or removing/replacing Schrader cores.



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 CH11 gasket
19086	3/8" 45° Female fl. with CH11 gasket
19087	3/8" 90° Female fl. with CH11 gasket
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	-	-