



## VA175 *SOLD*AVAC<sup>®</sup> Air and Vacuum Pick-Up System

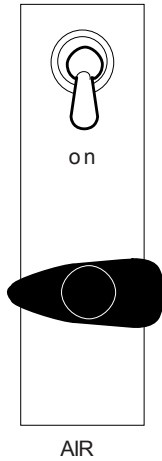
A revolutionary pick and place system that uses direct air pressure or vacuum to pick-up and place parts and components. Using shop air, the VA175 generates air or vacuum for whatever application is necessary. Use as a blower for cleaning and cooling hot components or with the turn of a knob, use the suction to pick-up even the smallest of parts.



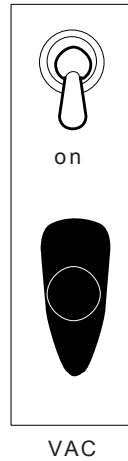
### instruction manual

**WARNING: HIGH PRESSURE. DO NOT POINT TOOL AT ANYONE.  
DO NOT BLOCK ANY AIR PASSAGES ALONG THE AIRLINES.**

**AIR AND VACUUM SETTINGS**



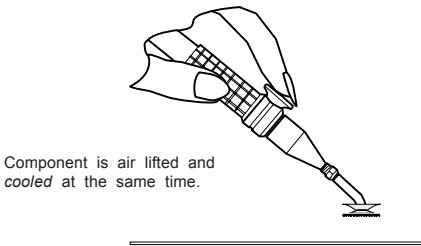
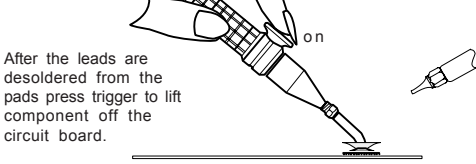
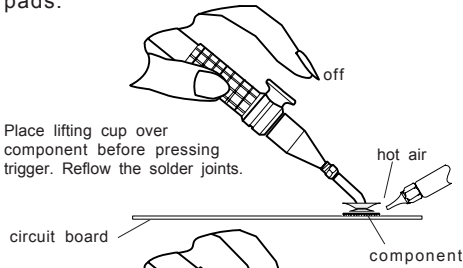
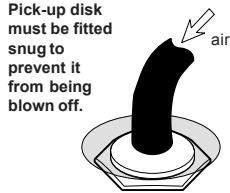
At AIR setting air is blown out the pick-up tool.



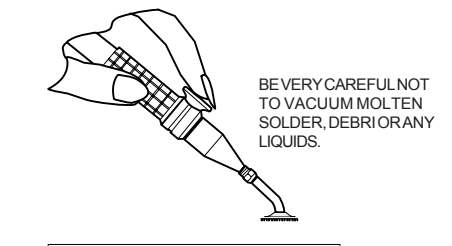
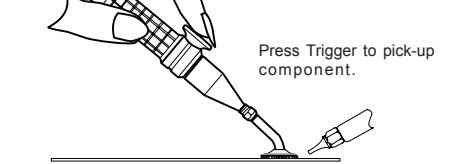
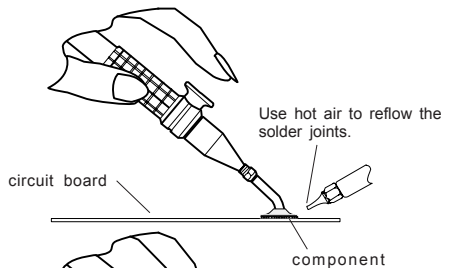
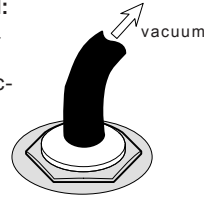
At VAC setting air is drawn in to the pick-up tool

**FOLLOW THESE TECHNIQUES for PICK & PLACE**

**AIR APPLICATION:**  
Silicone disk is folded up or is removed. To lift and cool down the component immediately after the leads are desoldered from the pads.

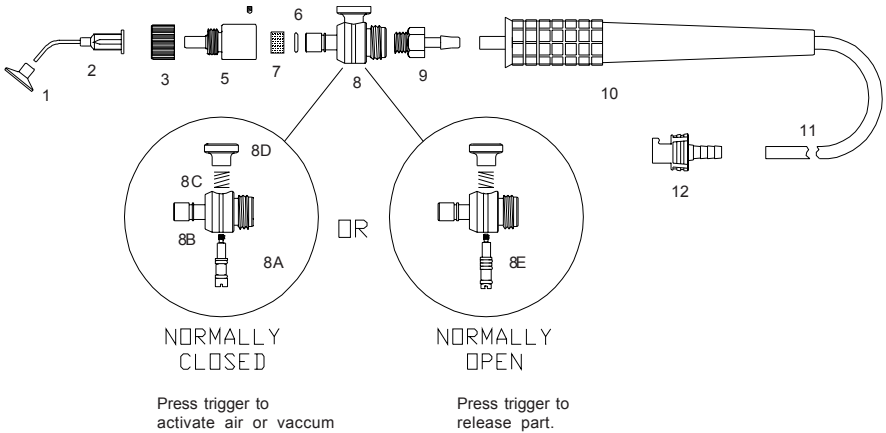


**VACUUM APPLICATION:**  
Silicone disk is lowered. To lift and place a component in conjunction with hot air soldering.



# LP252

## SPAREPARTSLIST

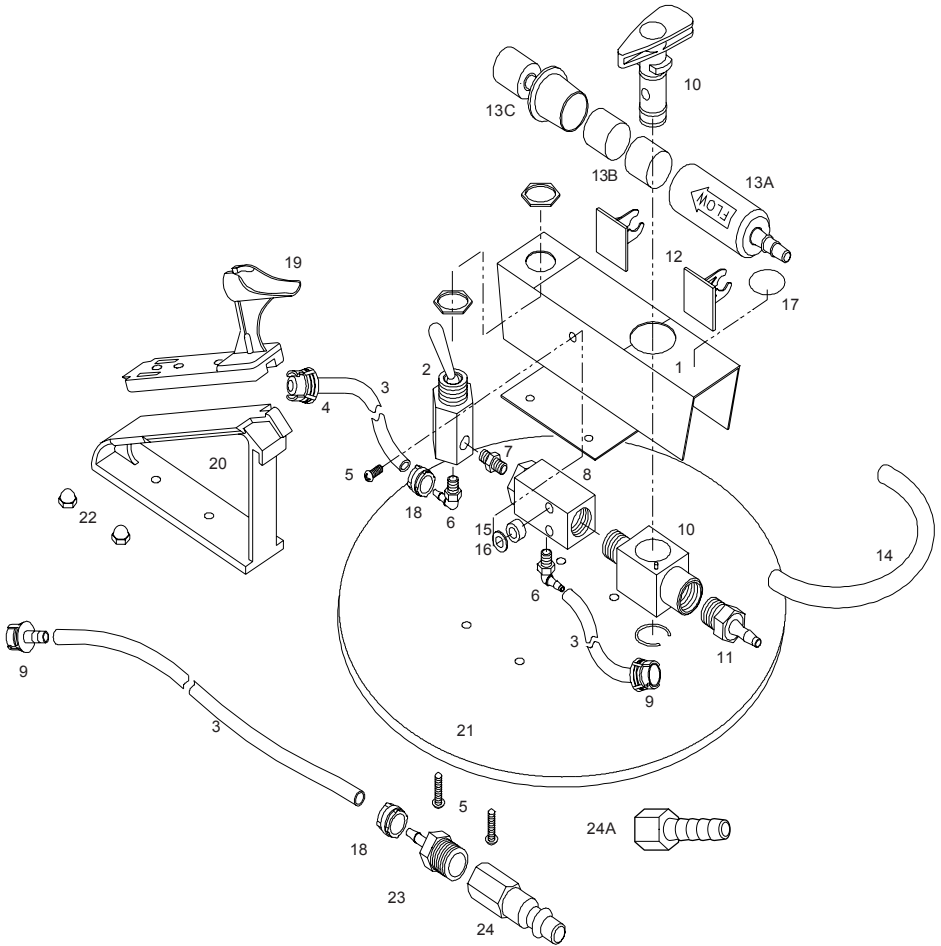


### LP252 PICK-UP TOOL

ITEM NO.	PART NO.	DESCRIPTION	QTY REQ'D
1	<b>SP250</b>	Suction Pick-up Disk .25 Dia.	1
2	<b>LN260</b>	Angled Lifting Needle	1
3	<b>SRXX</b>	Collar, Jacking	1
5	<b>SR699</b>	Head Piece, Threaded End (set screw included)	1
6	<b>SR202</b>	O-ring	1
7	<b>SR702</b>	Filter Element, Foam	1
8	<b>SR700</b>	Trigger Valve Assy.(normally close poppet is standard)	1
8A	<b>SR743</b>	Poppet, Normally Closed (black)	1
8B	<b>SR744</b>	Valve Body	1
8C	<b>SR746</b>	Spring	1
8D	<b>SR745</b>	Knob	1
8E	<b>SR742</b>	Poppet, Normally Open (gold)	1
9	<b>SR261</b>	Fitting, Barbed	1
10	<b>SR701</b>	Handle, Low Static	1
11	<b>HS308</b>	Hose, Polyurethane, 3/32 ID	3 ft
12	<b>SR428</b>	Coupling, Male Quick-Disconnect	1

To order a complete pick-up tool assembly, ask for **LP252**

# VA175-1 SPAREPARTSLIST



## VA175-1 STATION

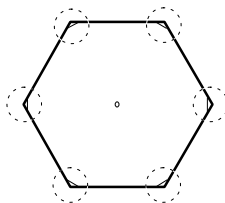
ITEM NO.	PART NO.	DESCRIPTION	QTY REQ'D
1	<b>SR704</b>	Bracket	1
2	<b>SR705</b>	2-way Air Toggle Switch	1
3	<b>SR283</b>	Hose, 1/8" ID. Polyurethane (sold per foot)	3
		7", 7", 36"	
4	<b>SR428</b>	Coupling, Male, Quick-Disconnect	1
5	<b>SR144</b>	Screw, Round Head, Phillips, 6-32 x 1/2	3
6	<b>SR382</b>	Elbow Connector, for 1/8" ID. Hose	2
7	<b>SR706</b>	Fitting, Threaded Coupler	1
8	<b>SR707</b>	Vacuum Ejector	1
9	<b>SR710</b>	Fitting, Female, Quick-Disconnect, for 1/8" ID. Hose	2
10	<b>SR703</b>	Plug Valve	1
11	<b>HB358</b>	Threaded Hose Barbed for 5/32 ID. Hose	1
12	<b>SR439</b>	Holder, Hose Clip	2
13A*	<b>SR533</b>	Barrel for AF110S Silencer	1
13B*	<b>AF040</b>	Muffler Filter	2
13C*	<b>SR636</b>	Element Cap for AF110S Silencer	1
14	<b>HL603</b>	Static-Safe Silicone Black Hose, 3/16" I.D. (sold per foot)	4"
15	<b>SR137</b>	Washer, # 8, .056 thk	1
16	<b>SR708</b>	Spacer, #8, .186 thk	1
17	<b>SR229</b>	EDSYN Medallion Logo	1
18	<b>LC363</b>	Locking Collar for 1/4 O.D. Hose	2
19	<b>PD534</b>	Pick-Up Tool Holder	1
20	<b>SR709</b>	Bracket Stand with dovetail	1
21	<b>SR594</b>	Base Plate	1
22	<b>SR502</b>	Acorn Nuts, 6-32 x 5/16	2
23	<b>HB357</b>	Threaded Hose Barbed Fitting	1
24	<b>HB359</b>	Quick Disconnect Fitting for VA175	1
24A	<b>SR678</b>	Fitting, Air input for VA175-100	1

To order a complete assembly of items listed above ask for **VA175-1**

\*To order a complete silencer assembly ask for **AF110S**

### AIRAPPLICATION:

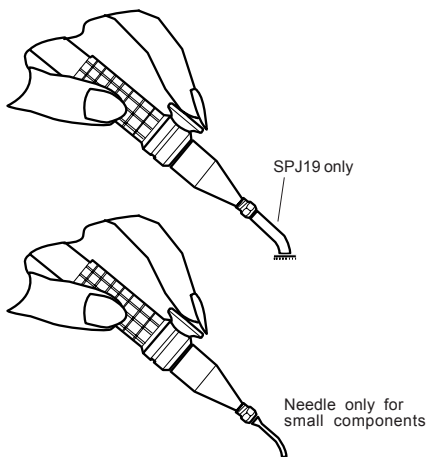
The raised corners must seat on component surface. (The raised Hex corners prevent the component from moving sideways) Care should be taken not to damage Hex feet



Hex feet.  
6 places.

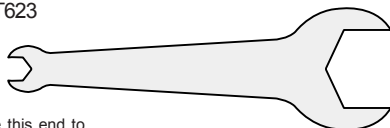
### VACUUMAPPLICATION:

Components can still be picked up with or without a suction cup.



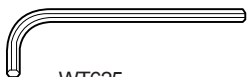
### ACCESSORIES

WT623



Use this end to pry open filter end cap when replacing filter.

Use this end to remove lifting needle assemblies.



WT625

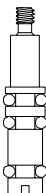
Use this to disassemble head piece from valve assembly when changing filter inside the LP252



HB357  
Replacement fitting for air input hose.  
1/8-27 NPT

SR742

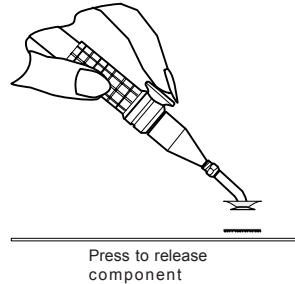
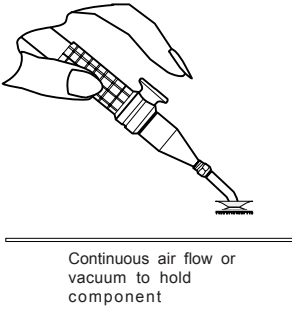
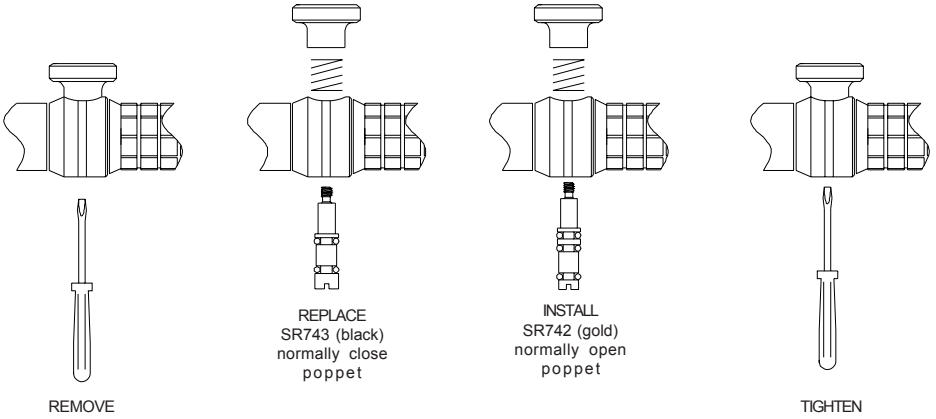
Use this poppet to convert from a normally closed to a normally open valve assembly.



LC363  
Locking collar for air input hose

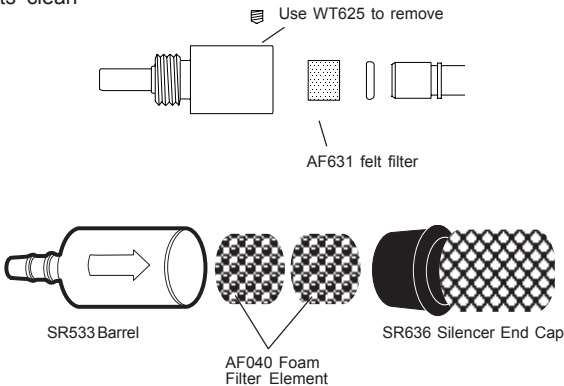
## CHANGING POPPET CONFIGURATION

Sometimes the operator would prefer the LP252 to be in the "ON" position all the time (continuous air flow output or vacuum). because more time is actually spent in holding and positioning the component than in releasing it.



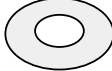






## MAINTENANCE

Keep Filter Elements clean



## Suction Cups for the LP252

<b>SPA25</b>	OCTAVAC Air suction pick-up disk with .25" hex brass lifter and .38" static-safe silicone disk	.25" hex	
<b>SPB25</b>	OCTAVAC Air suction pick-up disk with .25" hex brass cup and .38" static-safe silicone disk	.25" hex	
<b>SPA25-1</b>	Replacement static-safe silicone disk for SPA25 & SPB25	.38" dia	
<b>SPJ19</b>	Stealth high temperature silicon jacket (Standard on LP252)	3/16" dia.	
<b>SP093</b>	OCTAVAC static-safe silicone suction cup (must use with LN275)	3/32" dia.	
<b>SP125</b>	OCTAVAC static-safe silicone suction cup (must use with LN275)	1/8" dia.	
<b>SP250</b>	OCTAVAC static-safe silicone suction cup	1/4" dia.	
<b>SP375</b>	OCTAVAC static-safe silicone suction cup	3/8" dia.	
<b>SP500</b>	OCTAVAC static-safe silicone suction cup	1/2" dia.	
<b>SP625</b>	OCTAVAC static-safe silicone suction cup	5/8" dia.	
<b>SP750</b>	OCTAVAC static-safe silicone suction cup	3/4" dia.	
<b>LN275</b>	Lifting angled needle with HC273	.03" o.d. tube	
<b>LN276</b>	Lifting angled needle with HC273 (Standard on LP252)	.07" o.d. tube	

Design, color and material subject to change without notice

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