



# VA175 SOLDAVAC® Air and Vacuum Pick-Up System

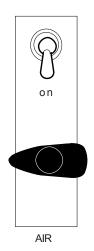
A revolutionary pick and place system that uses direct air pressure or vacuum to pick-up and place parts and components. Using shop air, the VA175 generates air or vacuum for whatever application is necessary. Use as a blower for cleaning and cooling hot components or with the turn of a knob, use the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

## AIR AND VACUUM SETTINGS

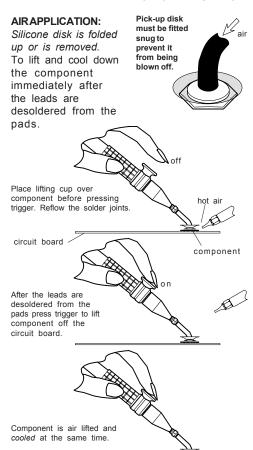


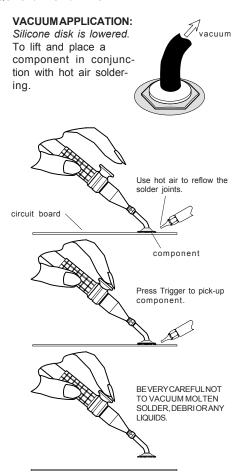


At VAC setting air is drawn in to the pick-up tool

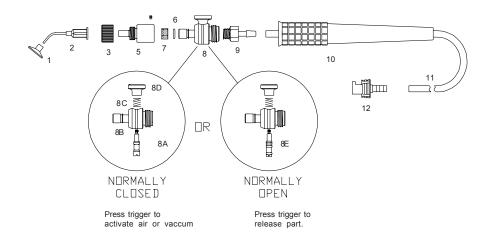
# At AIR setting air is blown out the pick-up tool.

#### FOLLOW THESE TECHNIQUES for PICK & PLACE





### LP252 SPAREPARTSLIST

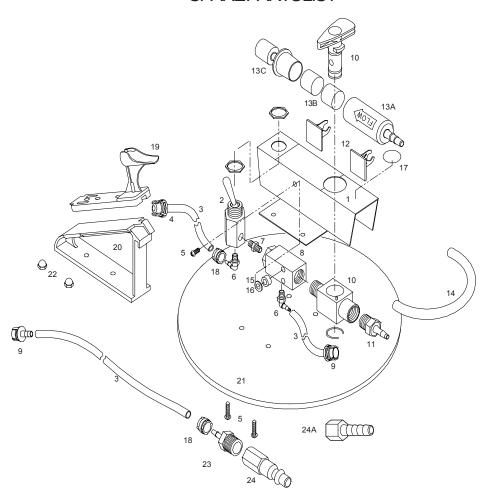


#### LP525 PICK-UPTOOL

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

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

VA175-1 SPAREPARTSLIST



#### VA175-1 STATION

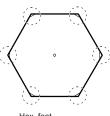
ITEM NO.	PARTNO.	DESCRIPTION	QTY REQ'D
1	SR704	Bracket	1
2	SR705	2-way Air Toggle Switch	1
3	SR283	Hose, 1/8" ID. Polyurethane (sold per foot)	3
		7", 7", 36"	
4	SR428	Coupling, Male, Quick-Disconnect	
5	SR144	Screw, Round Head, Phillips, 6-32 x 1/2	
6	SR382	Elbow Connector, for 1/8" ID. Hose	
7	SR706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

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

<sup>\*</sup>To order a complete silencer assembly ask for AF110S

#### AIR APPLICATION:

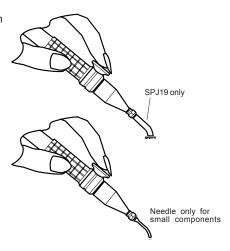
The raised corners must seat on component surface. (The raised Hex corners prevent the component from moving sideways) Care should be taken not to damage Hex feet



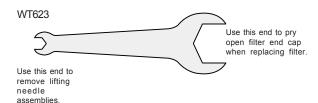
Hex feet. 6 places.

#### VACUUM APPLICATION:

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



#### **ACCESSORIES**

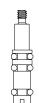




#### WT625

SR742

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



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



#### HB357

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

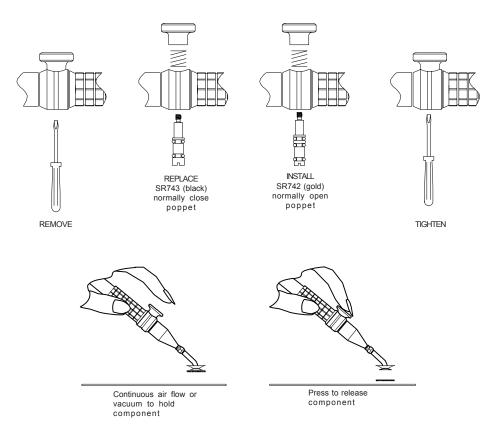


#### LC363

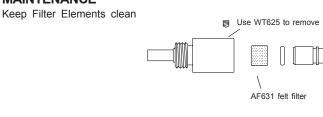
Locking collar for air input hose

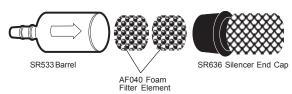
#### CHANGING POPPET CONFIGURATION

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**





#### Suction Cups for the LP252

	1 Cups for the LP 252		
SPA25	OCTAVAC Air suction pick-up disk with .25" hex brass lifter and .38" static-safe silicone disk	.25" hex	
SPB25	OCTAVAC Air suction pick-up disk with .25" hex brass cup and .38" static-safe silicone disk	.25" hex	
SPA25-1	Replacement static-safe silicone disk for SPA25 & SPB25	.38" dia	
SPJ19	Stealth high temperature silicon jacket (Standard on LP252)	3/16" dia.	0
SP093	OCTAVAC static-safe silicone suction cup (must use with LN275)	3/32" dia.	
SP125	OCTAVAC static-safe silicone suction cup (must use with LN275)	1/8" dia.	
SP250	OCTAVAC static-safe silicone suction cup	1/4" dia.	<b>©</b>
SP375	OCTAVAC static-safe silicone suction cup	3/8" dia.	
SP500	OCTAVAC static-safe silicone suction cup	1/2" dia.	
SP625	OCTAVAC static-safe silicone suction cup	5/8" dia.	
SP750	OCTAVAC static-safe silicone suction cup	3/4" dia.	
LN275	Lifting angled needle with HC273	.03" o.d. tub	e (10)—(10)
LN276	Lifting angled needle with HC273 (Standard on LP252)	.07" o.d. tub	e CO

Design, color and material subject to change without notice

DESIGNED AND ASSEMBLED IN U.S.A.

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