

# WRS3000V1(2) Self-contained Solder/Desoldering Stations



### The Weller Advantage

- 80 watts of power for faster heat up and better performance even on heavy ground planes and multi-layer boards
- Higher power means less time spent on the PCB and less potential for damaging components
- Vacuum delay feature on the desoldering tool allows the solder to reach the solder collection chamber before the vacuum is shut off to avoid clogging
- 300 watts of total power over three independently controlled channels (100 watts per channel) plus air and vacuum ports allows you to use up to three 80/100-watt tools simultaneously

WRS3000V1 comes with WRS3000 power unit, DSV80 in-line desoldering pencil, AKV stand and sponge, WSP80 soldering pencil, WPH80 stand and sponge.



DS80 desoldering pencil is available with the WRS3000V2 desoldering station and comes with the AK20 stand.

**Applications:**

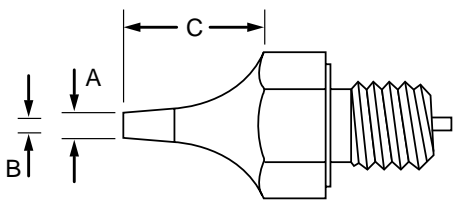
- Rework and repair of mixed technology boards. Lead-free solder applications. Contact removal of IC's and QFP's using specialty SMT tips with the WSP80. Heavy ground planes and multi-layer boards.

**Additional Product Features and Benefits:**

- Built-in pump provides both vacuum for the desoldering tool and air for the optional HAP1 hot air tool
- Microprocessor with digital read-out gives you complete accuracy and reliability
- Temperature set-back can be programmed with the built-in timer from 5 to 60 minutes in 5 minute intervals
- Vacuum for desoldering is activated by a finger switch on the tool
- Lock-out key to maintain process control for set parameters
- Full range of desoldering tiptlets found on page 16
- ESD safe to protect sensitive components

Station	WRS3000V1 (2)	Pencil	WSP80	DSV80	DS80
Voltage	120V (input); 24V (output)	Power Consumption	80W	80W	80W
Power Consumption	300W	Heating Element Type	Silver Spool	Nichrome Wound	Nichrome Wound
Temperature Range	150°F - 850°F (66°C - 454°C)	Iron Cord Length	4 ft. (1.22 m)	4 ft. (1.22 m)	4 ft. (1.22 m)
Footprint	9.5 X 10.6 X 4.1 IN (241 X 269 X 104 MM)	ESD Safe?	Yes	Yes	Yes
Weight (Power Unit Only)	22 lb. (10 kg)	Standard Tip	LTB	DS112	DS112
Pump Type	Rotary Vane	Iron Stand	WPH80	AKV	AK20
Vacuum Pressure	20.7" (526mm) HG	Optional Stand	WPH81		
Air Flow Volume	1 l/min. - 10 l/min.	For SMT Tips			
Temperature Accuracy	+/-16°F (10°C)				
Temperature Stability	+/-10°F (6°C)				
ESD Safe?	Yes				

## DS Series Tiptlets for DS80 and DSV80



Cat. No.	A		B		C	
	in.	mm	in.	mm	in.	mm
DS110	0.062	1.52	0.024	0.63	0.50	12.70
DS111	0.093	2.48	0.024	0.63	0.50	12.70
DS112	0.078	1.93	0.031	0.91	0.50	12.70
DS113	0.093	2.48	0.046	1.16	0.50	12.70
DS114	0.125	3.25	0.073	1.80	0.50	12.70
DS116	0.093	2.48	0.043	1.14	0.75	19.05
DS117	0.093	2.48	0.024	0.63	0.75	19.05

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