

# WDD81V(IL) Digital Shop Air Desoldering Stations



**WDD81VIL** includes: power unit, *DSV80* in-line desoldering pencil, and *AKV* stand.

**DS80** desoldering pencil is available with the *WDD81V* desoldering station and comes with the *AK20* stand.

### 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

**Additional Product Features and Benefits:**

- High performance desoldering tool for safety and efficiently removing through hole components from PCB's
- Features digital process control for exact temperature set - gives you control over the process
- Microprocessor circuitry automatically recognizes other Weller soldering accessories and provides the optimal setting for that tool
- Uses fast-response shop air
- WDD81VIL comes with DSV80 in-line desoldering tool with internal solder collection chamber - ideal for vertical desoldering
- WDD81V comes with DS80 desoldering pencil with external solder collection chamber - ideal for horizontal desoldering
- ESD safe to protect sensitive components
- Programmable using the optional WCB1 control module - allows for temperature lock-out (process control), temperature set-back (extended tip life) and °F to °C conversion
- Uses DS series desoldering tiplests found on page 16

Station	WDD81V and WDD81VIL	Pencil	DS80	DSV80
Voltage	120V (input); 24V (output)	Power Consumption	80W	80W
Power Consumption	95W	Heating Element Type	Nichrome Wound	Nichrome Wound
Temperature Range	122°F - 842°F (50°C - 450°C)	Iron Cord Length	4 ft. (1.22 m)	4 ft. (1.22 m)
Footprint	7.1 X 4.53 X 4 IN (180 X 115 X 101 MM)	Supplied Tiplest	DS112	DS112
Weight	4.75 lb. (2.16 kg)	Iron Stand	AK20	AKV
Pump Type	Compressed Air Converter			
Vacuum Pressure	21 in. HG (0.8 Bar)			
Temperature Stability	+/-10°F (6°C)			
ESD Safe?	Yes			

**Applications:**

- Rework and repair of through hole boards. Lead-free solder applications.



The WDD81V is shown here with the DS80 desoldering pencil.