

New open-valve mechanism achieves unrivalled vacuum power and start-up speed.

**AUTOMATIC DESOLDERING STATION  
TP-280AS**



**400% MORE SUCTION CAPACITY**  
With open-valve mechanism

**CERAMIC HEATER WITH INTERNAL SENSOR**  
A wide range for terminals, connectors and flat ICs

**SUPERIOR TEMPERATURE-CONTROL CIRCUIT**  
To keep the temperature constant during desoldering

**ZERO VOLT SWITCH CIRCUIT**  
Reduces noise during heater ON/OFF

**REPLACEABLE CARTRIDGE FILTER**  
Makes changing the filter easy

**SUCTION CAPACITY COMPARISON**

The arrow indicates solder residue.



**OPEN-VALVE MECHANISM**

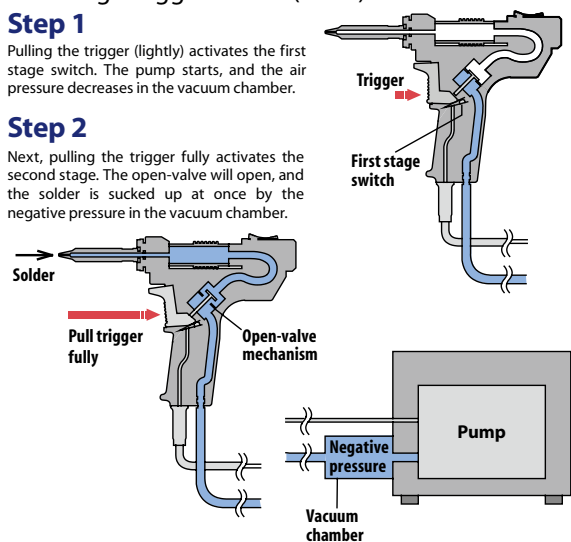
Two-stage trigger switch (PAT.P)

**Step 1**

Pulling the trigger (lightly) activates the first stage switch. The pump starts, and the air pressure decreases in the vacuum chamber.

**Step 2**

Next, pulling the trigger fully activates the second stage. The open-valve will open, and the solder is sucked up at once by the negative pressure in the vacuum chamber.



**SPECIFICATIONS**

MODEL	TP-280AS
Voltage	110 V, 120 V, 220-240 V AC 50/ 60 Hz
Power Consumption	130 W (110 V, 120 V) 170-200 W (220-240 V)
Power Cord Length	1.5 m
Temperature Setting Range	250-450°C
Insulation Resistance	Over 100 MΩ(500 V DC)
Vacuum Pump System	Diaphragm system
Vacuum	- 0.08 MPa (-600 mmHg)
Accessories	Cleaning pin TP-100CP-13 Soldering iron stand ST-76
Total Weight	Approx. 2.9 kg (w/o cord, hose)

**CONTROL BOX**

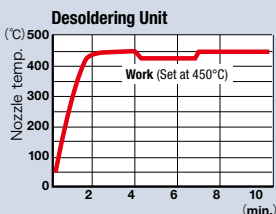
Output Voltage	110 V, 120 V, 220-240 V AC
Dimensions	95 (W) x 205 (H) x 256 (D) mm
Weight	2.6kg (w/o cord, hose)

**DESOLDERING UNIT**

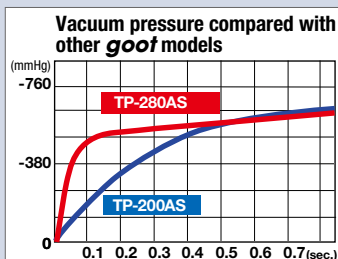
Input Voltage/Power Consumption	110-120 V, 220-240 V AC / 85 W
Heater	Ceramic Heater
Cord Length	1.2 m
Dimensions	220 x 155 mm
Weight	250 g (w/o hose)
Standard Nozzle	TP-100N-S5

**NOZZLE TEMPERATURE-RECOVERY FEATURES**

Solder melted consecutively on 5 mm-dia land. Approx. 2 s / land. (with TP-100N-10 nozzle)



The open-valve allows the device to reach vacuum pressure of -0.06MP (approx. -450 mmHg) in only 0.1second. (about 4 times faster than our TP-200AS).



For replacement tips, nozzles, and optional parts, refer to p. 63

**ST-76** soldering iron stand (included)

