

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.

TP-20 OAS

TP-280AS



OPEN-VALVE MECHANISM

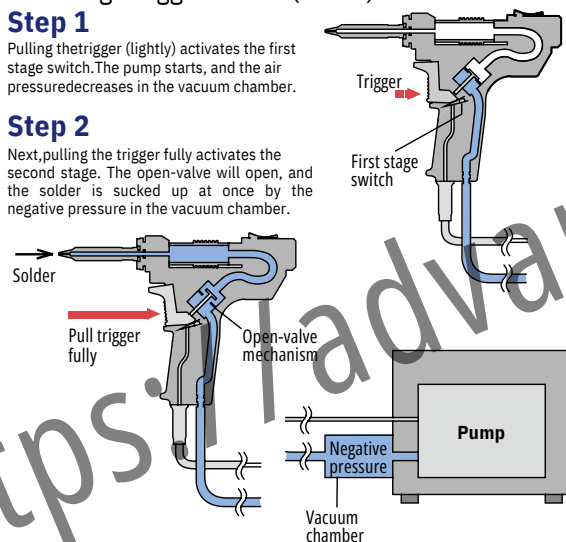
Two-stage trigger switch (PAT.P)

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

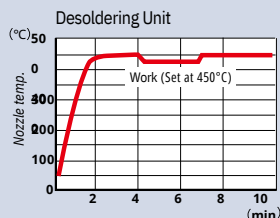
Output Voltage	110 V, 120 V, 220-240 V AC
Dimensions	95 (W) × 205 (H) × 256 (D) mm
Weight	2.6 kg (w/o cord, hose)

DESOLDERING UNIT

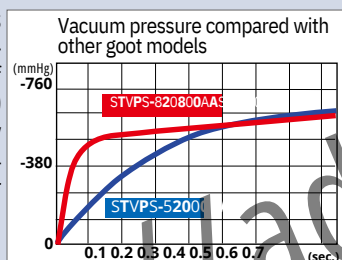
Input Voltage/Power Consumption	110-120 V, 220-240 V AC / 85 W
Heater	Ceramic Heater
Cord Length	1.2 m
Dimensions	220 × 155 mm
Weight	250 g (w/o hose)
Standard Nozzle	TP-100N-S5

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 0.1 second. (about 4 times faster than our TP-20 OAS).



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

ST-76 soldering
iron stand
(included)

