

IMPULSE VACUUM SEALER

Typical Industries and Applications

- ✓ Light Electrical Appliance
- ✓ Food Product
- ✓ Dairy Farming, Basic Ingredients, Raw Materials



V-300 Series

Seal Only & Vac

Hand Operated

Frequency 1,000 bags/day

For Sales Counters

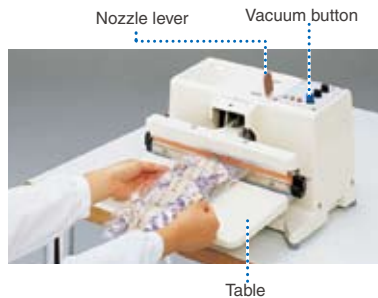
With self-contained vacuum pump, this economical industrial grade tabletop vacuum sealer delivers exceptional performance, yet only requires a small footprint on the production counter top. Only a simple electrical outlet is required and you're ready to package. The light-weight V-300 series of sealers features a clean, off-white, compact body ideal for placing on the counter. Promote the freshness of your products as you quickly vacuum-pack and hand the product to your customers as they watch. Only the V-300 series offers this advantage.

Good for Variety of Applications

V-300 is effective for maintaining perishable and other food products fresh, and for preventing the oxidation of items such as parts, apparel, chemicals and precision machinery. It is ideal in cases where complete-vacuum packaging is not necessary but de-airing is desirable to maximize the shelf-life, and for preventing the shifting of the contents. To produce an oxygen-free packaging to double the preservation effect, use a high-gas-barrier packaging material along with an oxygen scavenger.



Simple Operation



Pull the nozzle lever toward you to extend the nozzle. Insert the nozzle into the bag, push down on the table, and while the bag and the nozzle remain clamped under the clamping lever, press the vacuum button to begin the vacuum process. When the vacuum process is complete, quickly return the nozzle lever to the initial position to prevent the air from flowing back in. Push down on the table again to seal.

The vacuum time may be set using a timer. You may also vacuum using visual estimation. Simply return the nozzle lever to the initial position to complete the vacuuming process. The sealer may also be used for seal-only operations by not setting the nozzle in the vacuum position.

Safety Measures

Anti-Overheating Mechanism

Should the heating element ever overheat (should the heater continue to heat beyond the first 3 seconds of heating), the power switch automatically shuts off to stop the heater from heating further.



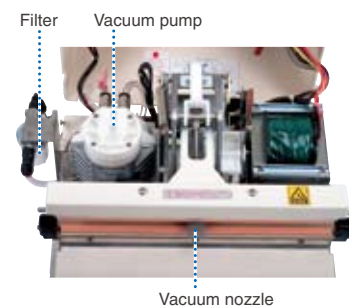
V-300



V-300-10D

Standard-Equipped Filter

A filter for collecting foreign objects that were taken in from the nozzle comes standard-equipped. The easily detachable filter case makes the required regular cleaning of the filter easy.



Operation Setting

Heating Time : Dial 1 – 10
(About 0.1 – 2.3 sec.)
Vacuum Time : Dial 1 – 10
(About 1 – 20 sec.)

Model Name	Power V *1	Vacuum Source	Vacuum Method	Ultimate Vacuum kPa *2	Exhaust Velocity L/min *3	Power Consumption W	Heating Method *4	Seal Length mm	Seal Width mm	Film thickness (total) mm *5	Machine Weight kg	Machine Dimension W x D x H mm
V-300	110/ 220	Vacuum pump	Nozzle	-58.6	10	1050	Single	300	10 or 5	Less than 0.3	12.3	400 x 420 x 228
V-300-10D	110/ 220	Vacuum pump	Nozzle	-58.6	10	1050	Double	300	10	Less than 0.4	13	400 x 420 x 228

*1 Other voltages available on request.

*2 The 0 torr of the ultimate vacuum is -101.3Kpa.

*3 The exhaust speed and ultimate vacuum represent stand-alone values, before installation to the machines.

*4 Single: heating element mounted on the lower side. Double: Heating element mounted on both upper and lower sides.

*5 Total thickness of overlapping films. The value may vary depending on the voltage or type of films.

V-402 Series



Simple Operation

V-402 is a heavy-duty electric-powered vacuum sealer effective for maintaining perishable and other food products fresh, and for preventing the oxidation of items such as parts, apparel, chemicals and precision machinery.

V-402 is equipped with the built-in compressor to generate vacuum as well as run the sealer's pneumatic functions. No separate compressor is not required and it is ready for use as soon as the power is turned on. The setting of work method and vacuum method are all controlled at the microcomputer controller. A simple touch-screen operation is all that is required to set the conditions, with details confirmed on the LCD screen at every step. Up to 10 work patterns customized by the user can be registered. By calling up a registered pattern on the microcomputer controller, the user can always perform a programmed work under the same condition.

Temperature Control Using Temperature Sensor

Standard-equipped with the V-402 series of sealers is ONPUL,

the heating temperature control feature that allows the user to set and maintain the ideal heating temperature. This ability to set and maintain the proper heating temperature for fusing the film eliminates wasted energy consumption, improves sealing precision and minimizes wear and tear on the heating element and other parts.

Safety Measures

Anti-Overheating Mechanism

- a. When overheating occurs (i.e., when power continues to be distributed to the heating element for longer than 4 seconds), the breaker turns off and the power is shut off.

Option V-402 Stand, Tilt Table, FEP-V-N2: Printer



V-402

- b. When the set temperature is not reached within 3 seconds, the power distribution to the heating element is stopped and message appears on the LCD screen on the controller.

Anti-Finger Jamming Feature

Should a finger or other foreign objects get caught in the sealing area, the failure to proceed to the heating process within one second releases the pressure and returns the clamping lever to the initial position.

Operation Setting

Heating Temp : 60 – 250°C
 Heating Time : 0.0 – 2.0sec.
 Cooling Temp : 40°C – Heat Temp
 Vac Method : Manual
 Timer(0.1 - 99.9s)
 Vac Gauge(-1 to -100kpa)

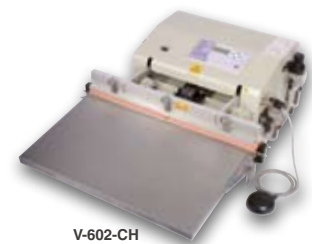
V-402-CH / 602-CH Series

Clean-Room Specification, Electric-Powered Tabletop Vacuum Sealer

The basic structure is the same as the V-402, but this comes with the exhaust fan and duct flange mounted on the side of the machine. The duct

allows the particles generated inside the machine to be removed safely outside the clean room.

A separately sold air compressor is required to operate the machine.



V-602-CH

Model Name	Power V *1	Vacuum Source	Vacuum Method	Ultimate Vacuum kPa *2	Exhaust Velocity L/min *3	Air Source	Power Consumption W	Heating Method *4	Seal Length mm	Seal Width mm	Film thickness (total) mm *5	Machine Weight kg	Machine Dimension W x D x H mm
V-402	110/ 220	Vacuum pump	Nozzle	-88.3	40	Built-in compressor	1800	Single	400	10 or 5	Less than 0.3	47	560 x 888x 300
V-402-10D	220	Vacuum pump	Nozzle	-88.3	40	Built-in compressor	2700	Double	400	10	Less than 0.4	52	560 x 888x 300
V-402-CH	110/ 220	Vacuum pump	Nozzle	-88.3	40	External air	1800	Single	400	10 or 5	Less than 0.3	48	595 x 888 x 300
V-402-CH-10D	220	Vacuum pump	Nozzle	-88.3	40	External air	2600	Double	400	10	Less than 0.4	53	595 x 888 x 300
V-602-CH	220	Vacuum pump	Nozzle	-88.3	40	External air	2800	Single	600	10 or 5	Less than 0.3	55	675 x 888 x 300
V-602-CH-10D	220	Vacuum pump	Nozzle	-88.3	40	External air	2900	Double	600	10	Less than 0.4	55	675 x 888 x 300

*1 Other voltages available on request.

*2 The 0 torr of the ultimate vacuum is -101.3Kpa.

*3 The exhaust speed and ultimate vacuum represent stand-alone values, before installation to the machines.

*4 Single: heating element mounted on the lower side. Double: Heating element mounted on both upper and lower sides.

*5 Total thickness of overlapping films. The value may vary depending on the voltage or type of films.

V-401NTW Series

Seal Only & Vac

Air Cylinder Driven

Frequency 1,000 bags/day

Ejector-Type Vacuum Sealer Good for Watery Items

The V-401NTW series of sealers has a drip-proof, all-stainless body and an air pedal that lacks electric parts to allow packaging of watery items. The single-heater model is a top heater, which means that the heating element is attached to the top clamping lever where it is less likely to be exposed to liquids.

Ejector-Vacuum Method

The V-401NTW series of sealers employs the ejector-vacuum method, which makes use of the flow of compressed air to directly eject the gas inside the bag to the outside of the machine. Unlike the vacuum pump, it does not collect within the body of the machine foreign objects such as liquid and powder that were taken in from the bag. Although the ejector-vacuum method does not achieve as high a vacuum rate

as using the vacuum pump, its advantage is the very high speed of de-gassing.

Simple Operation

A microcomputer sequence controller controls the machine's movement. The sealer also comes standard-equipped with a microcomputer-controlled heating time controller and a counter with a reset feature. Work is conducted using an air pedal. The operation method (seal only, manual vacuum or timer vacuum) can be selected by using the selection switch. A vacuum-timer is standard-equipped. Another standard equipment is a highly work-efficient table.

Compressor Required Separately

The V-401NTW series of sealers requires a separate air compressor to operate the machine.



V-401NTW

The compressor for the sealer must have the following capacity:
Compatible compressor
1.5KW 165 Liter/min 540kPa or more

Operation Setting

Heating Time : 0.1 – 2.5 s
Cooling Time : 0.1 – 5.0 s
Vac Timer : Dial setting

FCB-200

Seal Only & Vac

Semi Auto

ONPUL

Frequency 1,000 bags/day

Chamber Vacuum Sealer with Heating-Temperature Control

The ultimate vacuum is high, at about -100kPa (10torr).

With the built-in vacuum gauge, a simple button-operation allows the user to adjust the vacuum rate in the range of -50 to -100kPa (385 to 10torr) depending on the package content. Also equipped with ONPUL, this chamber vacuum sealer allows users to set the perfect heating and cooling temperatures for the material and thickness of the bag.

Simple Operation

Set conditions such as the sealing condition and vacuum rate. To vacuum seal, set the bag in the chamber and close the lid. Press the start button to automatically start the sealing process. At the end of the process, a beeping sound will indicate that sealing has completed. Open the lid to reveal the finished product. When the power is turned OFF, the sealer will automatically run one more time without actually processing any bag to clean out the collection of dirt and other foreign objects. This reduces the user's daily maintenance work.



Operation Setting

Heating Temp : 60 - 200°C
Heating Time : 0.0 - 3.0sec.
Cooling Temp : 60°C – set heating temp
Vac Gauge Vacuuming : -50 – -100kPa

Model Name	Power V *1	Vacuum Source	Vacuum Method	Ultimate Vacuum kPa *2	Exhaust Velocity L/min *3	Air Source	Power Consumption W	Heating Method *4	Seal Length mm	Seal Width mm	Film thickness (total) mm *5	Machine Weight kg	Machine Dimension W x D x H mm
V-401NTW	110/ 220	Ejector	Nozzle	-34.1	1015	External Air	1700	Single :Upper Side	400	10 or 5	Less than 0.3	36	576 x 540 x 342
V-401NTW-10D	220	Ejector	Nozzle	-34.1	1015	External Air	2400	Double	400	10	Less than 0.4	41	576 x 540 x 342
FCB-200	100	Vacuum pump	Chamber type	-100	179	-	1360	Double	200	10	Less than 0.4	39	286 x 493 x 315

*1 Other voltages available on request.

*2 The 0 torr of the ultimate vacuum is -101.3kPa.

*3 The exhaust speed and ultimate vacuum represent stand-alone values, before installation to the machines.

*4 Single: for V-401 single-heating type, heating element mounted on the upper side. Dual: Heating element mounted on both upper and lower sides.

*5 Total thickness of overlapping films. The value may vary depending on the voltage or type of films.