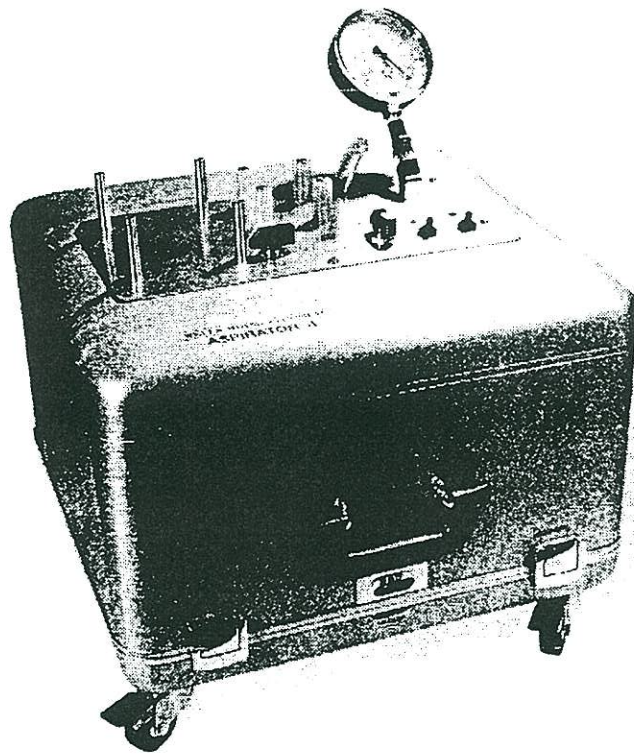


# Aspirator II

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20-5027-00 (110V)  
20-5029-00 (220V)

USER'S MANUAL



WELLS JOHNSON 

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### WARRANTY

- One (5) year on parts and labor from the date of shipment.
- Unauthorized handling of the Aspirator. It will void warranty of the unit.
- Any aspirated material found to have been ingested into the pumping system will void the warranty.
- Retain the custom-made packing box with foam for returns.
- All returns require prior authorization from the Wells Johnson Quality Assurance Department.
- For questions about the warranty, call the Quality Assurance Department: 800-528-1597.

For technical assistance call

Customer Service or Technical Support:

800-528-1597

# WELLS

JOHNSON  
COMPANY

8000 S. KYLER RD. ♦ TUCSON, AZ 85706

## GENERAL DESCRIPTION

The Aspirator II is a high-powered suction system that uses two oil-less vacuum pump compressors, designed to pull a vacuum on any closed container, or any open process system. The vacuum is accomplished by four carbon vanes mounted in the rotor. As the motor reaches speed, these vanes drop into place.

When the system is connected, the air flow will be from the tip of the cannula (or any other instrument) and follow through the tubing, collection system, overflow trap, bacterial filter, and finally the pumps. Once material is applied to the end of the cannula, the vacuum pumps evacuate the air from the lines, creating a vacuum pulling material in the same direction as the air flow. Aspirated material continues to the collection system under normal suction until the cannula is exposed to air again.

Vacuum and volume controls are marked on the Aspirator II, and can be adjusted by turning the corresponding knobs.

## Specifications

Item number	20-5027-00 (110V) 20-5029-00 (220V)
Weight	64 lbs.
Dimensions	17-1/2" x 18-1/2" x 18-3/4"
Configuration	mobile
Suction system	2 piston pumps
Maximum vacuum	29+ inches of Hg
Maximum flow rate	6 cubic feet per minute
Gauge units	Inches Hg/Kilopascals
Overflow protection	auto cutoff and in-line filter
Sound level	52+/- 3db
Pump type	2 cylinder piston
Number of pumps	2-1/3 hp
Power	2/3 hp

## CHECKLIST

Carefully unpack the Aspirator II. Check that the following accessories are included in the package and were received in good condition.

- Aspirator II
- Canister Holder
- Vacuum Gauge
- Power Cord
- Foot Switch
- 1-box Sterile, Disposable Tubing (10 per box)
- 2-Bacterial Filters
- 1-Overflow Trap with one 9" and one 6" silicone tube
- 1-box of Disposable Canister Liners (10 per box)
- User's Manual

**Note:** You will receive either 1 or 2 canisters, depending on which collection system you ordered.

**Baxter™ System** ..... 1 Canister

**Sorenson™ System** .... 2 Canisters

**Call Customer Service immediately**

**to report any damaged or missing items:**

**800-528-1597**

## COMPONENT DESCRIPTION

### Vacuum Pumps

The Aspirator II uses two (2) 1/3 hp piston pumps

- Oil-less, non-lubricated piston and cylinder
- Permanently lubricated ball bearings
- Stainless steel valves
- Light weight aluminum components
- Long-life, high performance piston seals
- Twin fan cooling system
- UL recognized motors
- Thermal protected
- Balanced for low vibration operation
- Capacitor

### Circuit Breaker

To protect the equipment and reduce shock hazard, a resettable circuit breaker is installed on the **right side**, near the power cord outlet. If there is a voltage surge or the pump motor overheats, the circuit breaker will pop out. To reset, turn the Aspirator II off, push in the circuit breaker button, and turn the Aspirator II on. **If the unit fails to start**, the Aspirator II may require a cool-down period or technical repairs.

**Note: Do not let technicians by-pass the circuit breaker.**

### Control Valves

#### Vacuum Control

Operate Vacuum Control by turning pointer between **High** and **Low** (pressure is reduced). The vacuum gauge on the panel will indicate a pressure change.

**Note: The Aspirator II system has been calibrated at 2,500 feet above sea level to 26+ in. Hg. For each additional increase of 1,000', the vacuum should drop by 1" Hg. And conversely, for each additional decrease of 1,000', the vacuum should increase 1" Hg.**

#### Volume Control

Operate the Volume Control by turning pointer between **High** and **Low** (*reducing the amount or volume of flow*). Air flow is decreased.

**Note: Do not position both the Vacuum and Volume Control valves in the LOW position at the same time, as there will be no noticeable suction.**

### Foot Switch

The Aspirator II can be operated with or without a foot switch.

- OPERATION WITH FOOT SWITCH  
Plug the foot switch cord into the unit. Turn the **Foot Switch** and **Power** switches to the **On** position. Press the pedal and the Aspirator II will start. Press the pedal again to stop the power of the unit.
- OPERATION WITHOUT FOOT SWITCH  
Turn the **Power** toggle switch to the **On** position, leaving the toggle for the Foot Switch **Off**.

**Note: The Power switch must be in the On position before the unit will start.**