

JorVet™



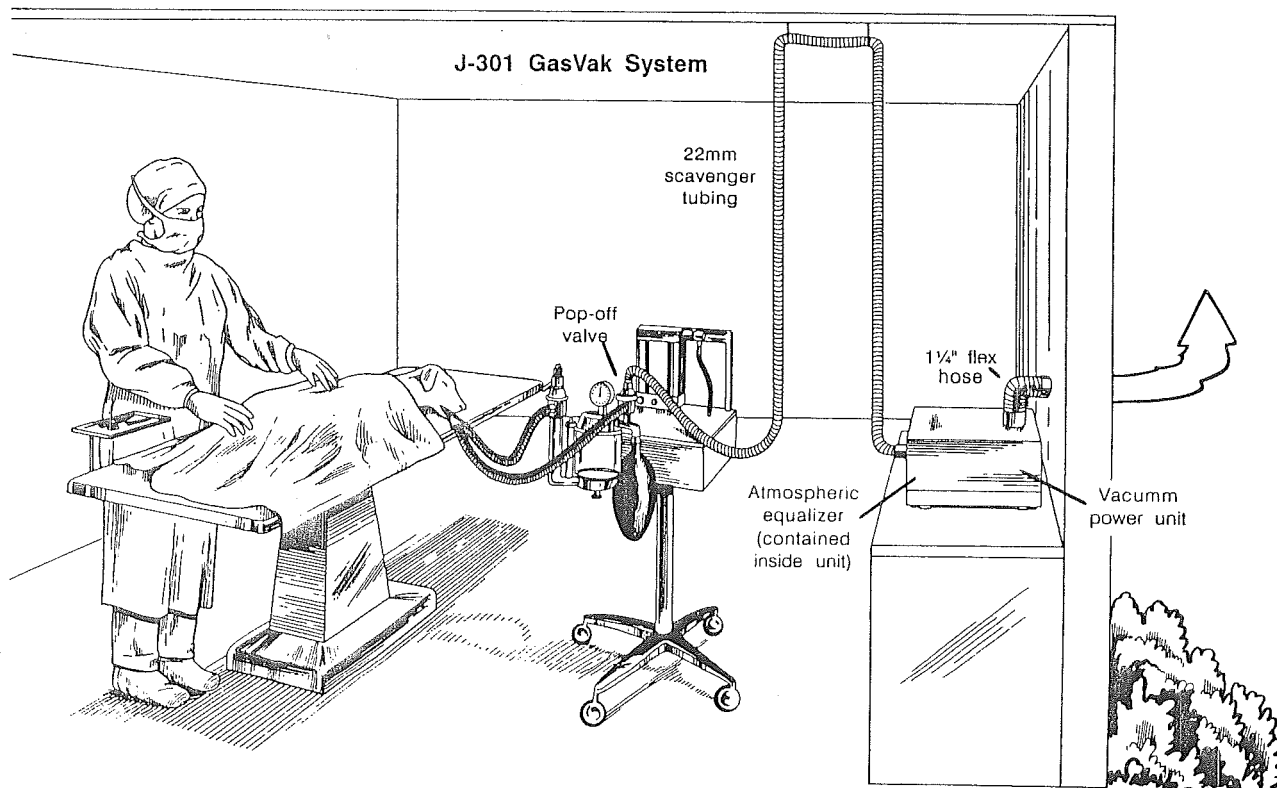
Jorgensen Laboratories, Inc.

1450 N. Van Buren Avenue
Loveland, Colorado 80538

GasVak Active Scavenging System

J-301 GasVak 301 Single Station System (see drawing for design features)

This system is designed for smaller, one machine clinics where the gas machine is utilized in a room with an outside wall. The atmospheric equalizer is in the housing with the power unit, fan and motor.



The JorVet GasVak Scavenger system is an active unit that removes waste anesthetic gases at the pop-off valve on all anesthetic machines or from the end of a non-rebreathing system. The waste gas is then vented to the outside of the clinic via a vacuum fan power unit.

FEATURES OF JORVET GASVAK SYSTEM

- Provides complete isolation between patient and vacuum equipment
- No interference or restriction to patient breathing
- Does not increase gas consumption
- Does not change normal flow rates
- Balanced suction for each station
- Adaptable to all anesthetic machines
- Meets UL requirements
- Exceeds limits of contamination recommended by OSHA
- Constructed of corrosion proof stainless steel and chrome plated copper
- Connects directly to scavenger valve on T-Piece Circuit (non-rebreathing circuit)
- Accepted by the F.D.A.
- System utilizes a controllable Scavenger Interface unit
- Already being used in human hospitals and research institutions

**SHIPPING DOCUMENT
FOR
GAS-VAK J-301**

REQUIRED	ITEM	SHIPPED
1	Motor Housing	
1	Hardware Kit: (Consists of):	
	4 Mounting Screws 6 x 3/4"	
	4 Anchors (Blue)	
	1 Adapter (22mm x 19mm)	
	1 Flow Restrictor Cuff 100 mlpm	
1	Exhaust Kit 2"	
10'	Tubing (22mm) White	
1	Set of Instructions	
1	Warranty Card	

Packed By: _____ Date Packed: _____ Serial Number: _____

PLEASE RETURN WARRANTY CARD FOR VALIDATION

Have any questions please contact:

**GAS-VAK
54514 ROSA ROAD
BANDON, OR 97411
541-347-5414**

GAS-VAK WARRANTY CARD
MUST BE RETURNED FOR VALIDATION

ALL GAS-VAK EQUIPMENT IS GUARANTEED FOR 90 DAYS PARTS AND LABOR, ONE YEAR PARTS ONLY FROM DATE OF PURCHASE AGAINST ANY DEFECT N MANUFACTURING. PROVIDED THE DEFECT DEVELOPED UNDER NORMAL AND PROPER USE.

REPAIR OR REPLACEMENT WILL NOT BE HONORED UNLESS AUTHORITY HAS BEEN GRANTED BY OUR CUSTOMER SERVICE DEPARTMENT.

HOSPITAL NAME: _____

ADDRESS: _____

CITY: _____ ST: _____ ZIP: _____ PHONE: _____

DATE OF PURCHASE: _____

DATE OF INSTALLATION: _____

SERIAL NO. _____

PLEASE COMPLETE AND RETURN TO:

GAS-VAK
54514 ROSA ROAD
BANDON, OR 97411

541-347-5414

**INSTALLATION AND OPERATING
INSTRUCTIONS
FOR
GAS-VAK® MODEL J-301**

This unit is designed for the small hospital or clinic where anesthetic gas is only administered in one area. GAS-VAK® Model J-301 utilizes our exclusive GAS-VAK® Atmospheric Equalizer, making this unit a complete GAS-VAK® scavenger system, built into a compact case and capable of providing ventilation of all your waste anesthetic gases.

This unit can be mounted on an outside wall in your operating room or examination area and conveniently exhausted through the wall to the outside. It may be desirable to run the exhaust to another location if the unit cannot be mounted on an outside wall. This exhaust may be extended to a length of up to 100 feet in any direction. Keep in mind that the exhaust piping must be a minimum size of 2 inches. Another alternative in mounting the system is to select a site other than the operating room then extends the input tubing to the anesthetic machine. In a very quiet operating room the noise from the motor can be annoying after a long surgery.

Several drawings are provided to assist you in mounting and operating your GAS-VAK® system. A block diagram is provided indicating how the system is utilized with an anesthetic machine as well as a non-rebreathing circuit. The system should be located in such a manner that the operator has access to the controls. The exhaust output flange for this system is located at the rear of the unit. Your 2-inch PVC exhaust plumbing is connected to this flange (**DO NOT CEMENT**)

If this unit is to be operated while setting on a counter top, it will be necessary to install four rubber feet on the bottom of the unit. This will insure airflow through the bottom vents. Rubber feet may be ordered for this unit by call GAS-VAK®.

CONTROLS

Your GAS-VAK® system operates from standard household current, 110 volts AC. The on/off switch is located on the front control panel. When you turn the system on, the run indicator lamp will light indicating system operation. Also located on the front panel is the main fuse post containing a 1 AMP fuse.

There is only one control with your GAS-VAK® Model J-301 and it is located at the input of the motor, inside the cabinet. This control serves two functions. First, it controls the amount of ambient air entering the system through the top of the GAS-VAK® Atmospheric Equalizer. By controlling this column of air, we control the siphoning action to the pop-off valve of your anesthetic machine.

Second, this column of ambient dry air prevents any moisture from collecting in the scavenging equipment and serves to provide complete patient isolation from the vacuum equipment.

This control is set at the factory to siphon approximately 3.5 LPM. After you have utilized the system for a period of time it may be desirable to make a small adjustment to this control to fit your individual requirements. If it becomes apparent that you require greater flexibility in the siphoning action of your scavenger system, you may use the internal input control located on the motor, which will increase or decrease the airflow through the system. It should be kept in mind that these adjustments must be made in small increments. A relatively small adjustment to the air control valve will reflect a rather large change in the airflow through the system. **BE SURE TO DISCONNECT THE ELECTRICAL POWER BEFORE OPENING.**

One air restrictor cuff is provided for your use. By installing this air restrictor (22mm cuff with .185 opening) on the input connector, you reduce the intake to approximately 100 MLPM. This air restrictor is useful when using a non-rebreathing circuit, when very small airflow rates are desirable. When larger airflow rates are required, operate the system without the restrictor.

After initial installation, start scavenging, utilizing the flow restrictor. For most, if not all, of your scavenger requirements, this unit will work best in this configuration. Even using this flow restrictor, there is sufficient negative pressure to evacuate your waste gases.

Air movement accomplishes the negative pressure present at the gas input port only. There is only .05 inches of vacuum present at the input port.

Please refer to the drawings provided to assist you in operating your **GAS-VAK®** gas recovery system.

Included with this unit is a ten-foot length of 22mm scavenger hose to interface with your pop-off valve on your anesthetic machine and/or non-rebreathing circuit and the input port on the scavenger unit. Also provided is a 19mm to 22mm adapter to interface with your anesthetic machine, if it has a 19mm pop-off valve. Four anchors and screws have been provided for mounting your **GAS-VAK®** system.

The exhaust kit, consisting of one 2 inch 90 degree ell with insect screen must be installed over the exterior end of the exhaust plumbing. **(DO NOT CEMENT)**

We strongly advise you not to **(CEMENT)** either the input or exhaust plumbing to the unit. If the unit ever requires service, it will be next to impossible to remove the unit from the wall without destroying it.

NOTE:

Your **GAS-VAK®** unit is only a mechanical device and as such it is subject to unforeseen damage. Therefore, we advise you to keep a charcoal filter on hand for just such an emergency.

Your **GAS-VAK®** unit is intended for use with nonflammable anesthetic agents only.

If you have any questions please call **GAS-VAK®** at 541-347-5414.