The Gas-Vak 302 Plus 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 power unit. The Plus Scavenger system produces 100 CFM of air flow to operate up to 30 balancing valves with the same negative pressure. Any combination of wall or ceiling mounts may be utilized.

3" PVC INPUT DISTRIBUTION NETWORK SCHEDULE 40, 120 OR 200

Features of the Model J-302 Plus

- No restriction to patient breathing
- Does not change normal flow rates
- Meets all (UL) requirements
- Accepted by the FDA
- Provides complete patient isolation
- Does not increase gas consumption
- Balanced negative pressure at each station
- Meets or exceeds (OSHA's) requirements
J-302-P MOTOR HOUSING
110 VAC 30 WATT
Rated @ 0.75 AMP
12 1/2" LONG
7 1/2" HIGH
5 1/2" DEEP
DAYTON C-FRAME BLOWER
MODEL 4C761

EXHAUST

2" PVC EXHAUST VENT
FROM REAR OF UNIT

MOUNTING HOLE

GAS-VAK REAR OF BOX BOTTOM EDGE
Gas-Vak Plus  Specifications—Guidelines

- 110 VAC fixed 2.5 amp Motor
- 110 VAC 15 amp switchable outlet controlled by remote switch w/indicator light
- 150 CFM air flow
- Box size; 12” Length, 10” depth, 12” Height, Weight — 12.5 lbs.
- 3” exhaust; maximum length 200 ft.
- Exhaust kit; 3” 90° elbow w/ screen
- 3” mainline; 400 feet Maximum Length
- 1 1/4” Lateral feeder lines Maximum Length; 100 feet
- ¾” PVC inside walls and cabinets---maximum length; 25 feet per station
- Maximum number of balancing valves (stations) is 25
ATTIC AREA

1 1/2 INCH FEEDER PIPE 100 FEET MAX

DO NOT CEMENT INPUT OR EXHAUST TO BOX

KEEP THIS 3/4 INCH NIPPLE SHORT AS POSSIBLE

THE MAXIMUM NUMBER OF ANY COMBINATION OF THESE TWO BALLANCING VALVES IS 25

NOTE

ALL PVC PIPE AND FITTINGS ARE CUSTOMER SUPPLIED

2 PVC PIPE THAT IS MOUNTED INSIDE WALLS AND CABINETS MINIMUM LENGTH 25 FEET

BLOCK LAYOUT NOT TO SCALE

3 INCH PVC DISTRIBUTION NETWORK MAXIMUM LENGTH 30 FEET

3 INCH PVC EXHAUST MAX LENGTH 200 FEET

DO NOT INSTALL MOTOR IN ATTIC

DO NOT INSTALL IN OR

6 FOOT POWER CORD

Standard Outlet

110 VAC 15 AMP Remote Switch

INSTALL REMOTE SWITCH WITH PILOT LIGHT IN WORK AREA

GAS-VAK

MODEL
J-302 PLUS
150 CFM

MOUNTING TEMPLET SUPPLIED WITH MOTOR HOUSING (TO SCALE)
### INSTALLATION SUPPLIES FOR
### MODEL J-302 PLUS

<table>
<thead>
<tr>
<th>QTY</th>
<th>ITEM</th>
</tr>
</thead>
<tbody>
<tr>
<td>80'</td>
<td>3&quot; PVC pipe Schedule 120 or 40 distribution system</td>
</tr>
<tr>
<td>40'</td>
<td>1 ½&quot; PVC pipe schedule 40 feeder system</td>
</tr>
<tr>
<td>10</td>
<td>90 degree bends 3&quot; PVC slip/slip</td>
</tr>
<tr>
<td>5</td>
<td>90 degree bends 1 ½&quot; slip/slip</td>
</tr>
<tr>
<td>2</td>
<td>PVC T 3&quot; slipX3&quot;slipX1 ½&quot; slip</td>
</tr>
<tr>
<td>1</td>
<td>Cap 3&quot; PVS slip  DO NOT CEMENT</td>
</tr>
<tr>
<td>8</td>
<td>Couplings 3&quot; PVC slip/slip</td>
</tr>
<tr>
<td>2</td>
<td>Bushings 1 ½&quot; x ¾&quot; PVC slip/slip</td>
</tr>
<tr>
<td>6</td>
<td>Clamps Pipe 3&quot; and 1 ½&quot;</td>
</tr>
<tr>
<td>25'</td>
<td>Wire 16 gauge Black plumbers</td>
</tr>
<tr>
<td>1</td>
<td>Can of cement</td>
</tr>
<tr>
<td>8</td>
<td>Sheet metal screws #6 self-tapping</td>
</tr>
<tr>
<td>1</td>
<td>Box patching plaster</td>
</tr>
<tr>
<td>1</td>
<td>Tube exterior caulking</td>
</tr>
<tr>
<td>UNK</td>
<td>3&quot; PVC pipe schedule 40 (exhaust cut to fit)</td>
</tr>
</tbody>
</table>

### TOOLS REQUIRED – READ INSTRUCTIONS

- ½" Drill with drill index
- ¾" Rotary Hammer (for Concrete Wall)
- 5/8" Drill carbide tip at least 10" long
- ¼" Drill carbide tip 6" long
- Screw driver set (Phillips and Slot)
- Pliers (Lineman) wire cutters
- Hammer 16 oz.
- Drills (Flat wood and drywall)
- Hacksaw (Medium blade)
- Small Level
- Tri-square
- Drill Motor portable with screwdriver blade
- Misc. screws sheet metal various lengths
- Work light and extension cord
- Measuring Tape
- Wire crimper pliers and Knife

It is not necessary to cement all joints together, just tap the fitting with a hammer for snug fit, align, and then insert setscrew.

**DO NOT CEMENT** the input or exhaust plumbing into the motor housing, press fit only.