

# Du-O-Vac Plus

## Gas Powered Suction Unit Owner's Guide for

Model OX-1032 - Du-O-Vac and Cannister

Model OX-1037 - Du-O-Vac, Cannister, Regulator and Flowmeter

### Troubleshooting.....

Problem: No suction

- Check for broken gauge
- Check that suction gauge is tight and the "O" ring is in place in the gauge nut and nipple assembly
- Check that the collection jar is threaded tight and straight into the Du-O-Vac head
- Check that the collection jar isn't cracked or chipped, if so, replace the jar.
- Check that the white silicon gasket is inside the Du-O-Vac main body. It forms a seal with the top of the jar. Replace it if needed.
- Check at 50 psi oxygen regulator and not a flow gauge regulator (0-15 lpm) is being used to provide oxygen pressure to the Du-O-Vac. The Du-O-Vac suction operates on 50 PSI and not a liter flow oxygen source.

Never use wrenches to tighten accessories such as flow meters onto outlets! (excessive stress can distort and ruin the seals on the Du-O-Vac Plus) Always hand tighten all Du-O-Vac Plus connectors.

Since the Du-O-Vac Plus has a minimum of moving parts, it is virtually maintenance free



Flowmeter  
with DISS Connection  
Model # OX-1025



Regulator  
Yolk Style, 50 PSI  
Model # OX-1020



Replacement Jars  
Model # OX-1038



Du-O-Vac  
Model # OX-1032

## Operating Instructions for the OX-1032

The Du-O-Vac model OX-1032 label identifies the functions on the Du-O-Vac head assembly. The oxygen inlet comes standard with a DISS oxygen nut and nipple, this is hand tightened onto the oxygen regulator outlet. The oxygen tank pressure is what powers the DU-O-Vac.

The next step is to hand tighten an oxygen flowmeter onto one of the oxygen outlets. This now allows oxygen to be given in a controlled manner, with this accessory oxygen can be given via cannula, mask or bag resuscitator.

Now to power the suction portion of the Du-O-Vac, the oxygen cylinder valve must be opened to provide 50 psi (pounds per square inch) pressure; then turning the suction control knob counter clockwise will increase suction pressure. With the Du-O-Vac head pressurized, each of the oxygen outlets now operate at 50 psi pressure which is the standard pressure for operating medical accessories such as flow meters and resuscitators. Never use a wrench to tighten connections; always make connections hand tight.

When suctioning with the Du-O-Vac set the suctioning pressure by occluding the suction port on the collection jar or the suction tubing, this will cause the suction gauge to register pressure, turn the suction control knob until you achieve the pressure you want to use for suctioning. The suction created is controllable between 0-350 mm hg.

The Du-O-Vac is very easy to operate and maintain. The collection jar is break resistant and has a built in hydrophobic bacteria filter that prevents the collection jar from overflowing and seals it for easy disposal.

### Trouble Shooting - No Suction

- Check for broken gauge
- Check that suction gauge is tight and the “O” ring is in place in the gauge nut and nipple assembly
- Check that the collection jar isn’t cracked or chipped
- Check that the white silicon gasket that makes a seal between the Du-O-Vac head assembly and the collection jar is in place.
- Check that the oxygen cylinder valve is open and that the cylinder has oxygen in it.

The Du-O-Vac can also be powered by hospital wall oxygen outlets. A male Quick connect fitting that matches the manufacturer of the wall female quick connect fitting is installed in the oxygen inlet of the Du-O-Vac, and then the Du-O-Vac is plugged directly into the wall outlet.

The Du-O-Vac takes one compressed oxygen source and creates 2 check valved oxygen outlets and 1 suction. It creates 3 outlets from 1 with 2 different services, oxygen and suction.

### Uses

Patient transport within the hospital, between departments, special procedure rooms, X-ray departments, code carts, nursery and delivery departments, MRI trailers etc. Codes can happen to anyone and it is not always patients who code, sometimes it is hospital staff and codes don’t always happen in convenient locations where oxygen, suction and electricity are not available. The Du-O-Vac is a self contained unit that doesn’t need electrical power to provide suction and it can provide oxygen therapy to the patient after suctioning.

# Du-O-Vac Plus

## Gas Powered Suction Unit OX-1032 Series

