Hydromat

Maryland Heights, MO

Rob Luth

Ref: Absolent ODR 2000 system

Dear Rob:

After reviewing the ODR 2000 system, the ductwork diameter should be 9” diameter. The air flow for the ODR 2000 is about 1180 CFM. The duct velocity would be about 2670 FPM (Vel = CFM / Area = 1180/.4418). It is recommended the ductwork velocity for oil mist to be around 2500 to 3000 FPM.

Ductwork Quote (based on the drawing attached):

Nordfab components $930.00 List price

Jacob Tubing $1623.00 List Price

Note: The above prices include a 90 deg elbow at the inlet of the Absolent. We recommend using a Plenum box to connect to the Absolent instead of the 90 deg elbow. It gives more stability and less chance of leaking. It is a $325.00 adder to the ductwork prices above.

Part list for ODR 2000:

1st Stage: p/n 92110702 S1/650

2nd Stage p/n 92110705 S3B3/650x300

3rd Stage p/n 92630606 HEPA

Gauges to measure pressure drop across each filter:

1st Stage p/n 92701006

2nd Stage p/n 92701007

3rd Stage p/n 92701009

Butterfly Damper settings:

When the filters are new, set damper at ¾ open.

When you notice mist escaping from the machine, then adjust the damper to more open. Increasing the airflow.

Note: he best way to set the damper with new filters is to close the damper as the machine is running and watch until the mist escapes the machine. Then open the damper slightly more. Note where the damper is set. After time has elapsed, when you see mist escaping then open the damper more.

When the filter gauge read in the yellow, it is time to order a new filter.

Sincerely,

Bob Venezia

Office# 919-570-2862 ext203

Cell# 919-971-7261