

Mensor Model 80 C Vacuum Pump and/or Compressor Set October 26, 2009

General Description:

Mensor can offer three configurations of oil-less vacuum pump and compressor units. The basic Model 80 C shown below is a stand-alone unit suitable for a floor location and comes with a handle. Two other configurations shown to the right incorporate the same pump and compressor as the stand-alone unit but in a CPC6000 size enclosure. This configuration is suitable for a desk top location or mounting in a rack when rack ears are added.



Operation:

Operation of the vacuum channel, pressure channel or both channels can be initiated by applying power using the power switch/breakers on the front panel. The unit requires either nominal 110 volt AC, 60 Hz or nominal 220/230 volt AC, 50 Hz power be applied using the rear power cord. Voltage should vary less than plus or minus 10% of rating. No internal regulation of the pressure or vacuum is provided in the unit. Normally, none is needed on the vacuum port, but may be required if less than the approximately 50 psi gauge pressure is need for the pressure supply. The pressure and vacuum is automatically released by internal solenoid valves when power is removed from a channel. Under normal conditions, the pump should operate in excess of 4000 hours.

Specifications (110/115 VAC, 60 Hz Version):

Vacuum: 28.5 inHg max, 0.8 cfm max (1.3m³/h)

Compressor: 50 psi max, 1.5 cfm max (2.5m³/h)

Power: Nominal 110 VAC, 60 Hz, ~180 Watts

Size: 11" High, 11" wide, 12" deep (stand-alone configuration)

7" High, 13.5" wide, 14.5" deep (desktop configuration)

7" High, 19" wide, 14.5" deep (rack mount configuration)

Porting: ¼" male tube fitting or optional 6 mm male tube fittings

Specifications (220/230 VAC, 50 Hz Version):

Vacuum: 28.5 inHg max, 0.6 cfm max. (1.1 m³/h)

Compressor: 50 psi max, 1.03 cfm max. (1.7 m³/h)

Power: Nominal 220 VAC, 50 Hz, ~150 Watts.

Size: 11" High, 11" wide, 12" deep (stand-alone configuration)

7" High, 13.5" wide, 14.5" deep (desktop configuration)

7" High, 19" wide, 14.5" deep (rack mount configuration)

Porting: ¼" male tube fittings or optional 6 mm male tube fittings

Product Warnings:

1. The Model 80C should only be used for the purpose of pumping and evacuating air. It is not made for use with other gases or any liquids.
2. The Model 80C should be protected from inclement weather. It was designed for internal use.
3. Verify proper power (voltage and frequency) is available before applying power.
4. Do not stay directly in line with open air stream.
5. Normal operating temperature is 40 F to 104 F. Do not block air vents in rear of the unit. Excessive heat buildup will shorten pump life.