

**All-Metal Connection Kit
Product No. 92080-108**

The #92080-108 All Metal Connection Kit is used to connect the #92080 (or the #92081) vacuum pump to one the following Cressington desk top coaters:

- #6002 or #6006 Cressington 108manual sputter coater
- #7002 or #7006 Cressington 108auto sputter coater
- #7008 or #7008-220 Cressington 108auto/SE sputter coater
- #9602 or #9602-220 Cressington 108Carbon auto carbon coater
- #9603 or #9603-220 Cressington 108Carbon/SE auto carbon coater.

The #92080-108 All Metal Connection Kit contains the following parts (see Figure 1):

- 1 ea Prod No. 92340-1620 NW16 20" metal flexible hose
- 2 ea Prod No. 92210-16 NW16 Clamps
- 2 ea Prod No. 92220-16 NW16 Centering O-rings
- 1 ea Prod No. 92450-2516 NW25 to NW16 compact conical reducer
- 1 ea Prod No. 92061 Exhaust filter with 1/2" NPT thread
- 1 ea Prod No. 92466-25 NW25 to 1/2"NPT adapter
- 1 ea Prod No. 92080-10 Adapter cord, IEC/NEMA 5-15P

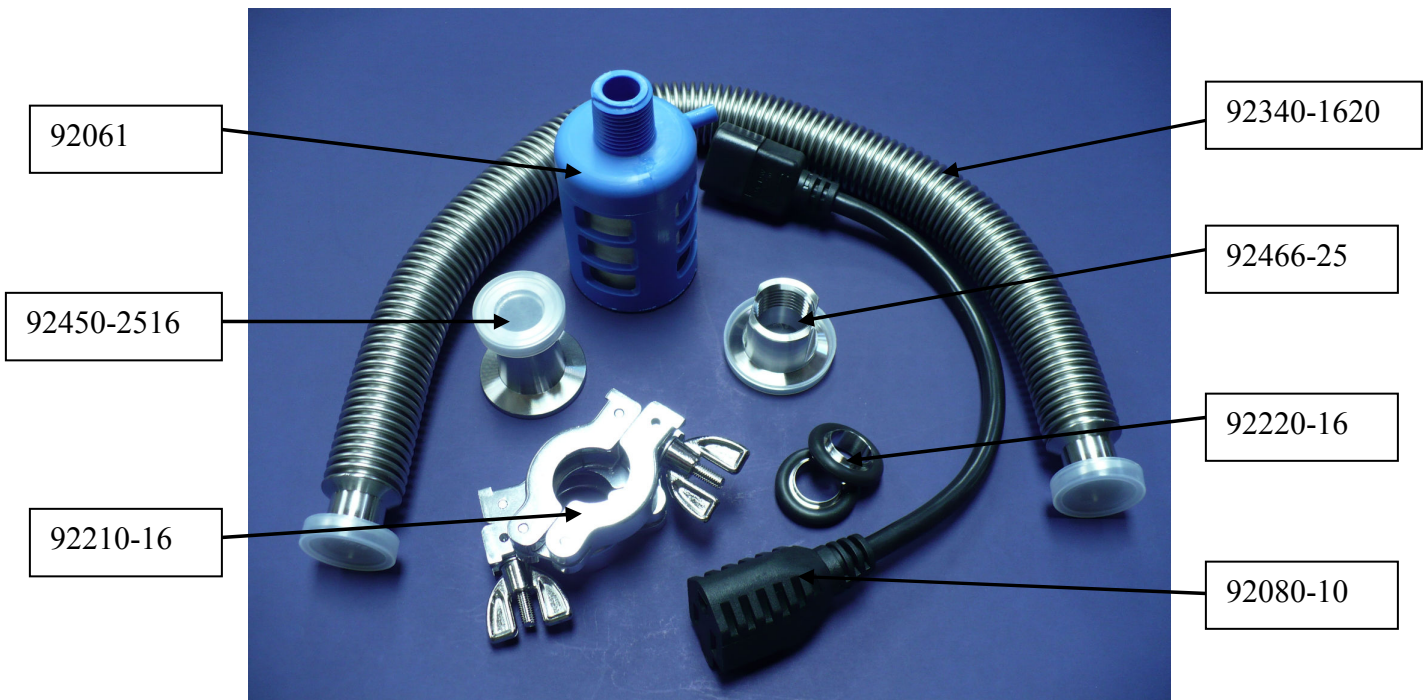


Figure 1

Before installing any of the vacuum parts, please remove the plastic protection caps. Make sure that all vacuum connections and O-rings are clean and free of any debris. Do not grease the O-rings.

1 - Unpack the coater and place this on the bench.

2 - Unpack the #92080 pump and check the oil level. The pump comes with the oil already shipped and both the NW25 intake and exhaust flange closed off with a blanking plate and NW25 clamping ring. Position the pump directly behind the coater with the vacuum intake side closest to the back of the coater.

3 - Identify the pump exhaust and remove the NW 25 clamp and blanking cap. Leave the NW25 centering O-ring in place. Place the NW25 to ½”NPT adapter on the NW25 centering O-ring and use the NW25 clamp to attach the adapter to the pump exhaust. The centering O-ring is clamped between the flanges as shown in Figure 2. Screw the exhaust filter in the adapter with the ½” NPT thread.

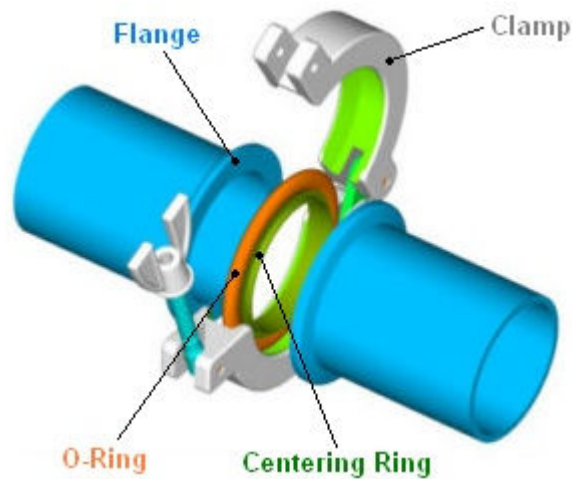


Figure 2

4 - Remove the plastic protection cap of the NW16 flange on the back of the coater and remove any protective tubing from the vent and gas input of the coater. Remove the NW25 blanking plate from the pump intake and mount the conical adapter by utilizing the NW25 centering O-ring and NW25 clamp which were used to blank off the intake port.

5 - Connect the pump to the coater by using the NW16 flexible hose and the supplied NW16 centering O-rings and NW16 clamps. It might be necessary to reposition the pump to align the intake port on the pump with the vacuum connection on the coater.

Make sure that all NW25 and NW16 clamps are tightened.

6 - The #92080 is normally supplied with a standard US style 115V plug. In order connect the pump to the coater (the pump is switched on through the coater) the adapter cord must be connected on the power cord of the pump and then inserted in the IEC power outlet on the back of the coater. Make sure that the on/off switch on the pump is in the “on” position.

The pump is now installed are to use with the coater and should appear as in Figure 3.

Tips:

- 1 – change the oil in the rotary pump at least once a year
- 2 – replace the exhaust filter every 3-6 months.

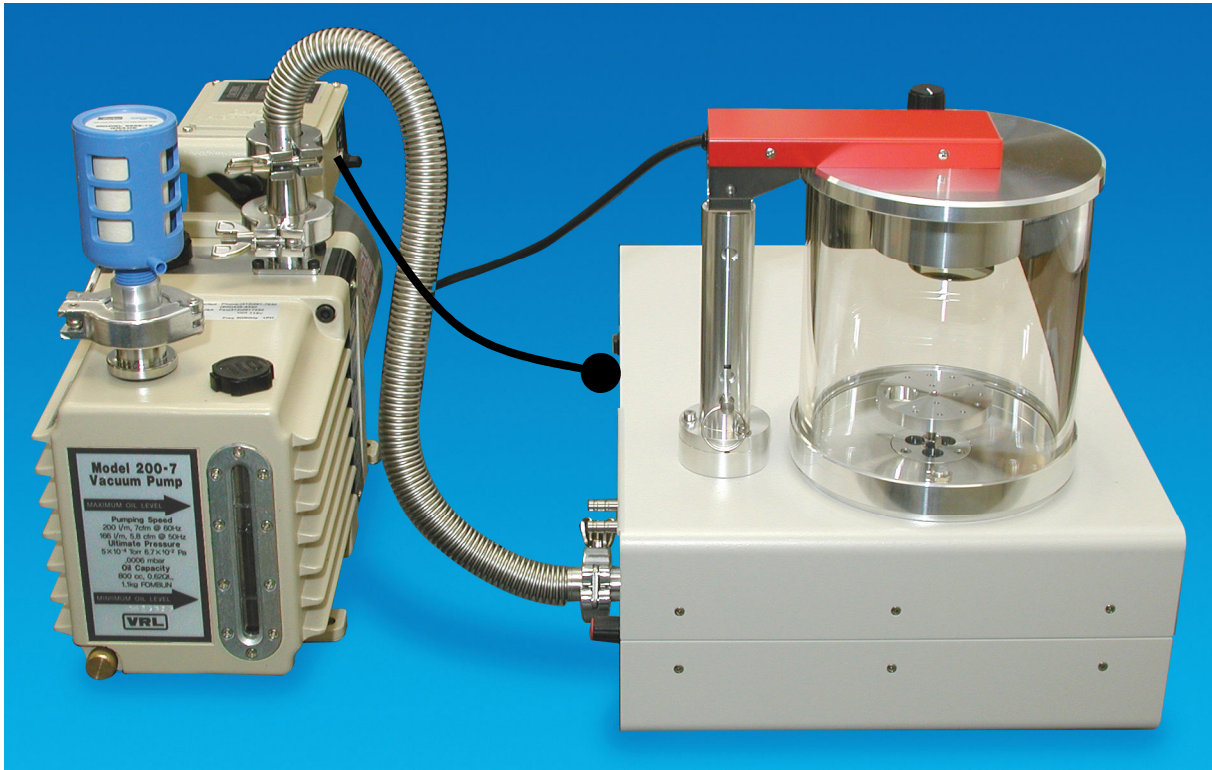


Figure 3

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