

Powder Kitchen Hopper

Connections

This hopper is used in a racked powder kitchen supplying powder coatings to a Prodigy® Color-on-Demand® system.

Make the connections shown below. Leave plugs in unused ports.

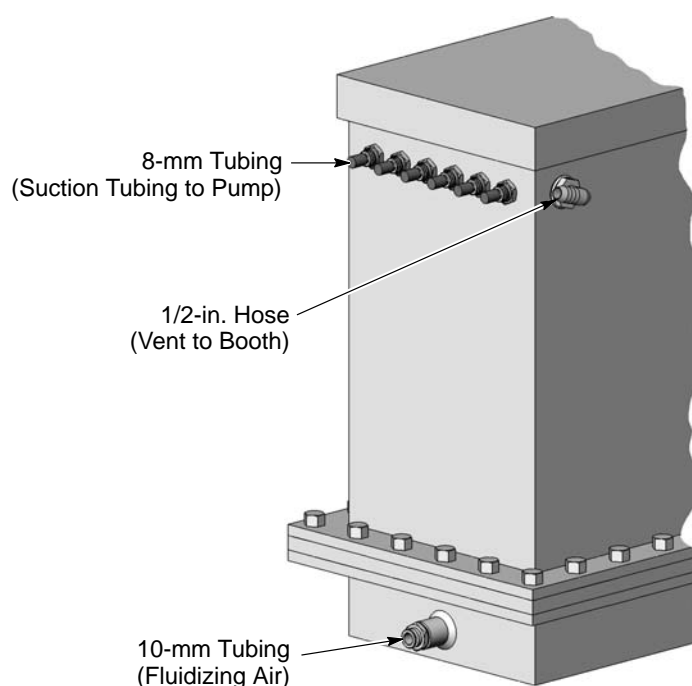


Figure 1 Hopper Connections

Operation

Fill the hopper by removing the lid plug. An optional fill funnel is available that fits into the lid opening. Remove the funnel and replace the lid plug after filling to prevent powder from escaping.

The hopper holds approximately 29.5 kg (65 lbs) of powder. Do not fill the hopper more than 2/3 full. When fluidized, the powder must not rise above the suction tubing fittings.

Supply fluidizing air to the hopper at 0.7-1 bar (10-15 psi). When properly fluidized the powder should softly boil. Wait five or ten minutes after turning on the fluidizing air to make sure the powder is evenly fluidized before starting production.

Maintenance

Periodically, empty the hopper and clean the interior. Clean the fluidizing plate and inspect it for signs of contamination. If the plate is discolored and appears to be contaminated with oil or water, replace it. Check your air supply and correct any contamination problems.

Install new fluidizing plates with the smooth side up.

Parts

Item	Part	Description	Quantity	Note
-	1074063	HOPPER ASSEMBLY, 965L X 292W X 483H	1	
1	1074061	• PLATE, fluidizing, 0.50 in.x 11.50 x 38.00 in.	1	
2	971103	• CONNECTOR, straight, 10 mm x 1/2 in. unithread	1	
3	1002711	• CONNECTOR, union, bulkhead, 8 mm	6	
4	972930	• PLUG, 8 mm	6	
5	1070199	• PLUG, hopper fill, NHR	1	
6	1076814	FUNNEL, fill, fluidized hopper	1	A

NOTE A: Optional part.

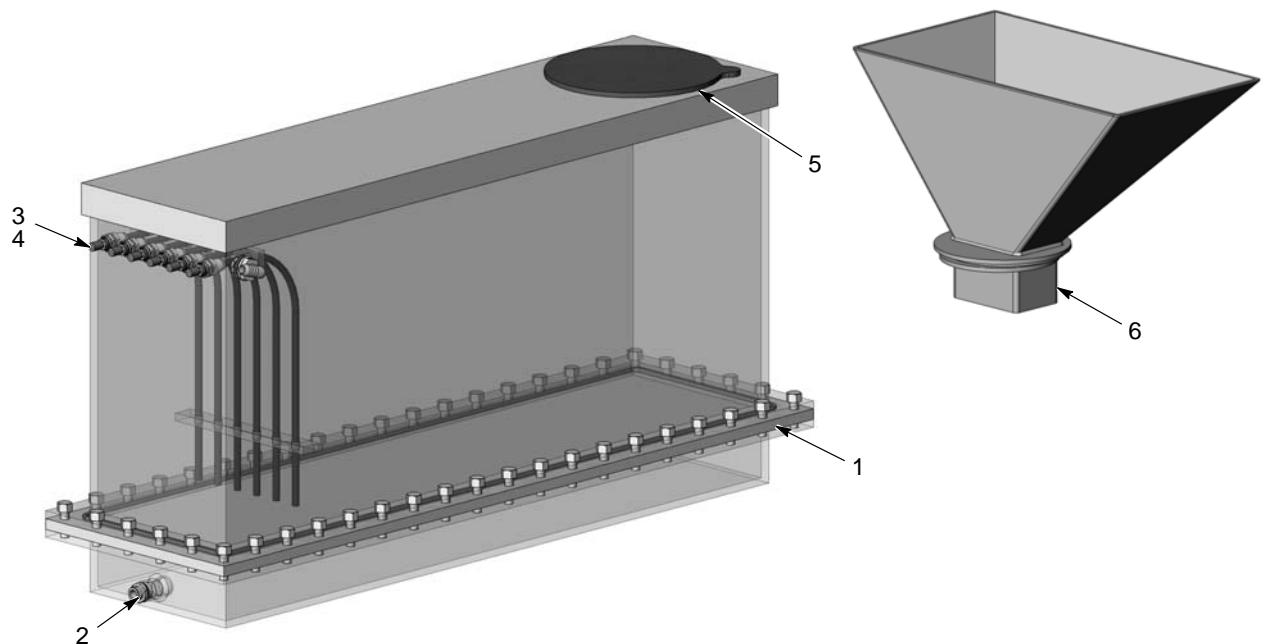


Figure 2 Hopper Parts and Optional Funnel

Issued 4/07

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