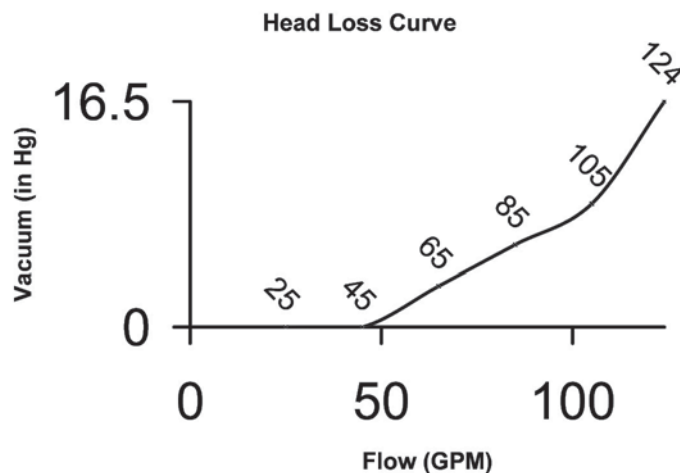


VGB 2008 124 GPM Suction Flow Installation Instructions

Instructions

1. For single or multiple use submerged suction outlet.
 2. Do not try to locate suction outlets on seating areas or on the brackets for such seating areas.
 3. When two or more suction fittings are used on a common suction line they shall be separated by a minimum of 3 ft. (91.44 cm), or if any are located closer they shall be located on two different planes (i.e., one each on two separate vertical walls). Confirm with local and national codes and standards for proper installation.
 4. In the event of one suction outlet being completely blocked, the remaining suction outlets serving that system shall have a flow rating capable of the full flow of the pump(s) for the specific suction system.
 5. Maximum flow rating with head loss curve: 124 GPM.
 6. Acceptable connecting pipe size(s) - maximum 2.0."
 7. Mounting position: wall only.
 8. Suction outlet part number 30173U applicable.
 9. Part numbers:
30173U-XX VGB 2008 124 GPM SUCTION COVER & SCREWS/UV (replace within seven installed years)
30147-V VGB 2008 SUCTIONS ALL FITTING (replace within seven installed years)
30115-V SUCTION FLAT GASKET (replace within seven installed years)
30160-V 2" SPG X 1/2" SOCKET SAFETY SUCTION ADAPTER (replace within seven installed years)
 10. Tools required: Philips screw driver, glue for plumbing connections, clamp & pliers for tubing connections.
 11. Service and winterizing instructions:
 - a. Service - remove screw. Remove cover. Place suction cover on wall fitting with blank portion, no holes pointed down. The keyway on the inside cover must match the notch on the wall fitting. Insert stainless steel screw in cover and tighten securely. Do not overtighten (as plastic will strip).
 - b. Winterizing - Drain suction line thoroughly and blowout all remaining water. See spa manufacturer instructions for winterizing.
 12. **WARNING:** do not exceed the maximum allowable flow rate stated on the suction fitting.
 13. The suction fitting including fasteners should be observed for damage or tampering before each use of this facility.
- Note:** Missing, broken, or cracked suction fittings shall be replaced before using this facility. Loose suction fittings shall be reattached or replaced before using this facility. Read, then keep these instructions for future reference

Caution: Be aware that changing pump types and sizes can increase flow rate. The maximum flow rate is 124 GPM.



VGB 2008 124 GPM Suction Flow Installation Instructions

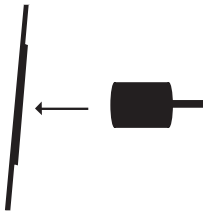
Step One

Do not locate suction outlets on seating areas or on the brackets for such areas.



Step Two

Cut a 2^{3/8}" hole into the spa wall for a flat gasket.



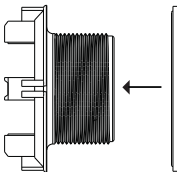
Step Three

Back face the backside of the wall as necessary so that it is parallel to the front side of the wall.



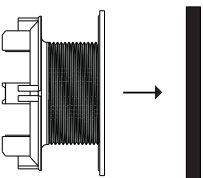
Step Four

Place gasket on wall fitting.



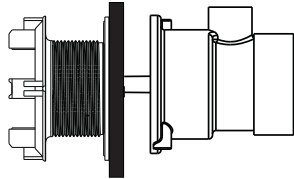
Step Five

Place wall fitting through the hole.



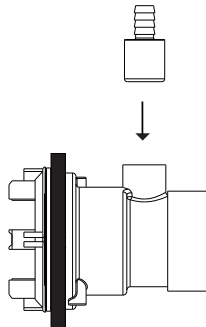
Step Six

Thread the adaptor with 1/2" socket onto the wall fitting. Ensure 1/2" socket is pointed upwards. Attach schedule 40 plumbing to the adaptor.



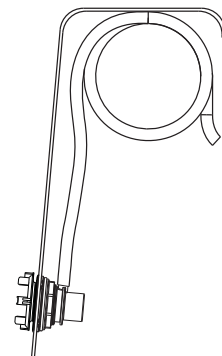
Step Seven

Glue barb into 1/2" socket on adapter.



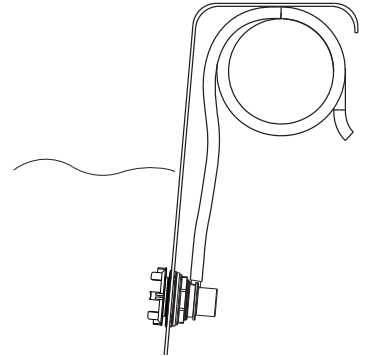
Step Eight

A tubing resistant to kink or pinching shall be used (or provided) for use with the suction adaptor. Attach the provided tubing 3/8" to the barb on the adaptor fitting with glue and a clamp to secure.



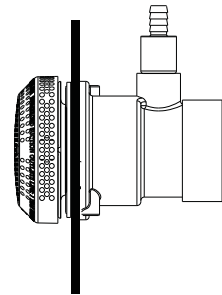
Step Nine

Run 3/8" vinyl tubing above the highest possible water level, creating a Hartford loop, and attach securely.



Step Ten

Place suction cover on wall fitting with blank portion (no holes) pointed down.



Step Eleven

Insert stainless steel screws in cover and tighten securely. (Do not over-tighten plastic will strip).

