

Pool Drain Safety Compliance Data
PERMIT CANNOT BE ISSUED IF FORM IS INCOMPLETE

A separate form is required for each pump including circulation, jet or feature.

Name of Pool _____ ID# _____

1. Pump Flow

Pump Manufacturer _____ Model # _____ Horsepower _____

Maximum Pump Flow at highest speed **FROM PUMP CURVE**: _____ gpm. Pump use: Circulation / jet / feature (circle one)

Has pump been serviced (disconnected from power for any reason) or changed out in last 12 months? YES / NO

Flow meter manufacturer _____ Flow meter reading _____ GPM

2. Drain Sump Measurements Is drain cover sumpless? YES/NO

Sump manufacturer and model _____ OR: Field built sump (circle if yes)

Diameter of pipe entering sump _____ inches. Pipe enters through BOTTOM /SIDE of sump (Must circle one)

Distance between highest point of outlet pipe and top edge of sump _____ inches. Sump dimensions _____

3. Drain Cover Data – MUST BE INSTALLED PER MANUFACTURER’S INSTRUCTIONS- Attach Instructions to form.

Number of main drains on each pump _____ Distance between main drains (on centers) _____ feet _____ inches

Cover/grate manufacturer _____, model _____, VGBA approval 2008 / 2017 (circle one)

Flow rating from instructions: _____ gpm Cover(s) located on pool: Floor / wall (circle one)

Date installed _____ Lifespan _____ **EXPIRATION DATE** _____

4. Equalizer Covers

Number of *operable* skimmer equalizers _____ Have the equalizers been permanently disabled? YES / NO

Equalizer fitting Manufacturer _____, Model _____, Lifespan _____

Bulkhead adaptor Manufacturer _____, Model _____, Date Installed _____

Diameter of equalizer pipe _____ Cover is located on (circle where mounted): Floor / wall

Equalizer fitting maximum flow rating _____ gpm.

Date equalizer cover/grates installed _____ **EXPIRATION DATE:** _____

5. Safety Vacuum Release System (SVRS) –Safety Vacuum Release System manufacturer/model# - _____
You will be required to demonstrate effectiveness during permitting inspection. Date last tested _____

6. Vacuum Line Choose One

_____ No vacuum line in pool **OR** _____ Protective cover on vacuum lines installed before May 1, 2010, **OR**
_____ Self-closing, self-latching cover designed to be opened with a tool on vacuum lines installed after May 1, 2010

Full name of person providing this information _____ Phone number: _____

Signature _____ Date _____

Instructions for Completion of the Pool Drain Safety Compliance Data Form

Please review the instructions below to ensure the Pool Drain Safety Compliance Data form is properly completed and all required information required. All components must be approved and field verified by the Health Department prior to the issuance of an operation permit in accordance with Rule .2539(c).

A FORM FOR EACH PUMPING SYSTEM MUST BE PROVIDED.

1. **PUMP FLOW** – Enter the maximum flow from the manufacturer’s pump performance curve. For variable speed pumps, enter the maximum flow at the highest speed. If a flow reduction is requested, attach required documentation. A functioning flow meter will be required to permit a pool with a flow reduction.
2. **DRAIN SUMP MEASUREMENTS** – Measurements are needed to determine the size of the cover/grate and to assure the sump is deep and wide enough to meet the requirements in the cover/grate manufacturer’s specifications.
3. **DRAIN COVER/GRATE DATA** – Enter the manufacturer, model, lifespan expiration date and maximum flow for the main drain cover(s). For VGBA 2017 covers, attach a copy of the flow rate chart.
4. **EQUALIZER COVERS** – Enter the number of operable equalizer line covers, the manufacturer, model, lifespan expiration date and maximum flow for the equalizer covers. Provide bulkhead adaptor information. If all equalizer lines are disabled or pool has no equalizer lines, please provide details on the form.
5. **SAFETY VACUUM RELEASE SYSTEM (SVRS)** – SVRS is required if dual drains are closer than 3 feet on center or pump has a single drain with a blockable cover or blockable sump. Enter the manufacturer of the safety vacuum release system (SVRS). SVRS must be tested according to manufacturer’s instructions, provide date of last test. If using other secondary method of preventing bather entrapment per Rule .2539(b), please attach documentation.
6. **VACUUM LINE** – If vacuum line ports are present in the pool, please indicate the type of cover(s) on the form.

FORM COMPLETION – A separate Pool Drain Safety Compliance Data form must be completed and submitted for each individual pool at a facility including spas, wading pools, and other pools.

The Health Department understands that the required information and/or measurements may be beyond the scope of owners or operators. In those cases, it is recommended that you contact a Registered Design Professional (Professional Engineer or Licensed Architect) or a knowledgeable pool professional to assist you in completing the form.

Guidance for variable speed pumps

Pumps should be set to achieve required turnover rate for water quality, based on the year of pool construction. Pre-1993 pools may have had a lower turnover rate and the pipes may not be able to handle an increase in water flow.

The following are acceptable ways to determine if the pool is compliant with drain safety requirements. A Drain Safety Data Sheet is still required for each pumping system.

1. Preferred method: The flow rate for the drain cover exceeds the maximum pump flow at the highest speed or rpm setting. This is for either a dual drain (each cover must exceed the maximum pump flow), or an UNBLOCKABLE drain (usually greater than 32 inches such as a channel drain), or a single drain with a secondary method to prevent bather entrapment. A drain safety data sheet must be submitted each year. This method can be found in APSP-7.
2. The flow can be calculated using pressure and vacuum readings. If done this way, the filter needs to be backwashed before the readings are taken. All valves should be in the most open position. Pictures should be taken of the readings on both gauges and kept in the file. There is a device available which combines both gauges into one for a TDH reading which can be used, and a picture of the gauge should be added to the pool file. All pools which need a flow reduction for compliance must have a working flow meter for field verification. Pictures of the gauges as well as a drain safety data sheet must be submitted each year prior to permitting. This method can be found in APSP-7.
3. Plan review: Some very large variable speed pumps will have extremely high maximum flow rates. The piping used will reduce the flow in the system. If the flow shown on a variable speed pump curve exceeds the maximum flow for the proposed drain covers, a conditional approval can be given, but this will REQUIRE compliance with one of the methods listed above prior to permitting. A drain safety data sheet will need to be completed for the file prior to permitting.
4. For any other approval which does not comply with the above options, contact your PTSI Regional Specialist.

Since variable speed pumps can be changed to increase or decrease the flow, all systems with variable speed pumps with maximum flows which could exceed the drain cover rating will be required to have a properly installed (per manufacturer's instructions) working flow meter. The pool permit should be conditioned to maintain the speed setting (rpm) determined to be in compliance with drain safety.

Field verification of the drain safety data sheet must be completed at every inspection. A reading from the flow meter must be recorded on the inspection sheet during all inspections if there is a flow reduction. If the flow meter for any system with a flow reduction or a variable speed pump which could exceed the rating for the drain covers stops working, the permit should be denied or an Intent to Suspend issued. This applies to both circulation and feature pumps.

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