



Square VGB Antivortex Main Drain



PF - 1035

PF - 1036

USER MANUAL

1. Parameters

Model	Description	Flow rate (L/min)
PF-1035	Square VGB Antivortex Main Drain 9"x9"	637
PF-1036	Square VGB Antivortex Main Drain 12"x12"	850

2. Safety precautions

Basic safety precautions should always be followed, including the following: Failure to follow instructions can cause severe injury and / or death. Read, then keep these instructions for future reference.

! **This is the safety** - alert symbol. When you see this symbol on your equipment or in this manual, look for one of the following signal words and be alert to the potential for personal injury.

! **WARNING** warns about hazards that could cause serious personal injury, death or major property damage and if ignored presents a potential hazard.

! **CAUTION** warns about hazards that will or can cause minor or moderate personal injury and / or property damage and if ignored presents a potential hazard. It can also make consumers aware of actions that are unpredictable and unsafe.

WARNING - Suction Entrapment Hazard

Suction in suction outlets and / or suction outlet covers which are damaged, broken, cracked, missing, or unsecured can cause severe injury or death due to the following entrapment hazards:

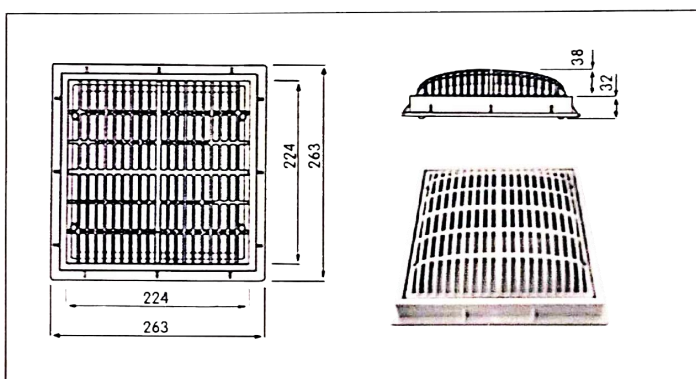
Hair Entrapment - Hair becomes knotted or snagged in an outlet cover.

Limb Entrapment - A limb sucked or inserted into an opening of a circulation outlet with a broken or missing cover in the pool resulting in a mechanical bind or swelling.

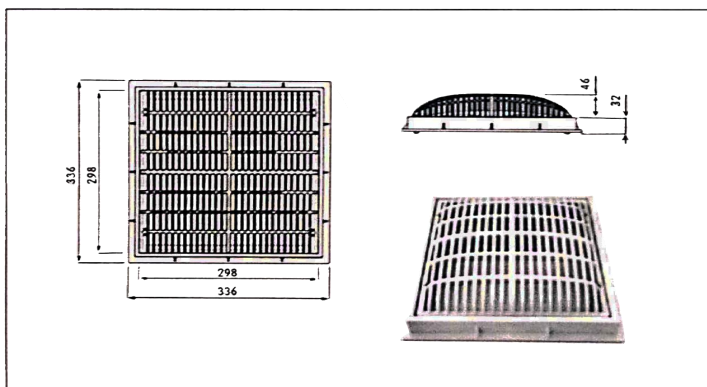
Body Suction Entrapment - Suction applied to a large portion of the body or limbs resulting in an entrapment.

Mechanical Entrapment - Potential for jewelry, swimsuit, hair decorations, finger, toe or knuckle to be caught in an opening of an outlet or cover.

3. Plan and Dimension



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4. Safty operation instructions

A minimum of two functioning suction outlets per pump must be installed. Suction outlets in the same plane, must be installed a minimum of three feet (0.92 meters) apart, as measured from one suction center to another suction center.

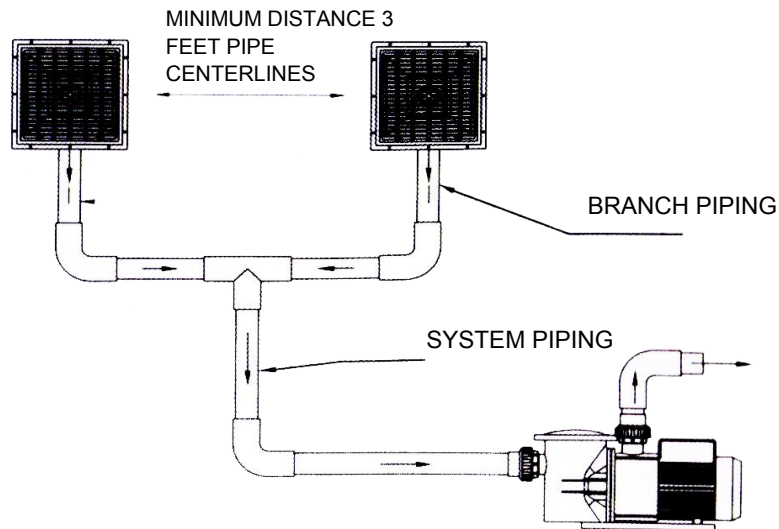


Figure 1

If the conditions are limited, these two suction inlets must be installed within a distance of 0.92 meters, and they should be located on different planes (one at the bottom, one on the vertical wall, or one on each of two independent vertical walls.)

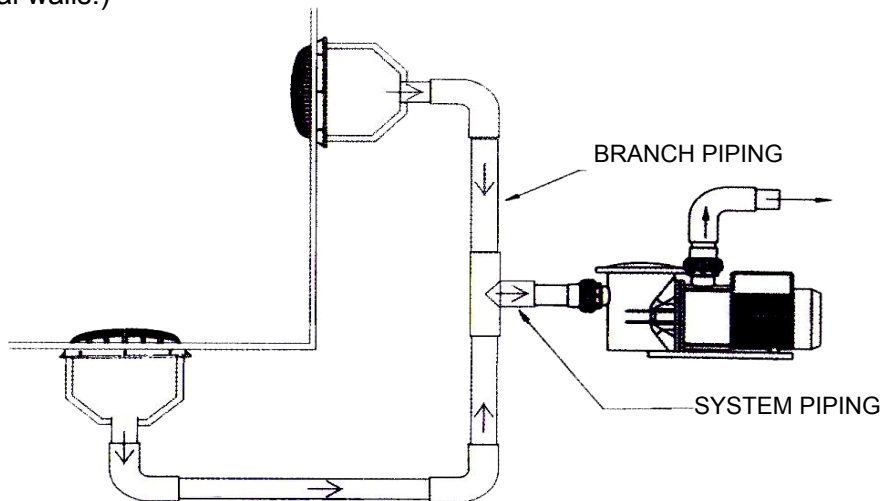


Figure 2



NOT

- Dual suction fittings shall be placed in such locations and distances to avoid " dual blockage " by a user.
- Dual suction fittings shall not be located on seating areas or on the backrest for such seating areas. The maximum system flow rate shall not exceed the maximum allowable flow rate stated on the suction fitting.
- Keep suction outlet components clear of debris , such as leaves, dirt, hair, paper and other material. Never use a Pool or Spa if any suction outlet component is damaged, broken, cracked, missing, or not securely attached.
- Prior to each use of the swimming pool and / or spa, observe and replace damaged, broken, cracked, missing, or not securely attached suction outlet components immediately. Remove pressure test plugs and / or plugs used in winterization of the pool / spa from the suction outlets . Two or more suction outlets per pump should be installed in accordance with latest APSP Standards and CPSC guidelines. Follow all National, State, and Local codes applicable.
- Multiple layers of protection are available including installation of a vent pipe system, a gravity flow system, or a vacuum release system.

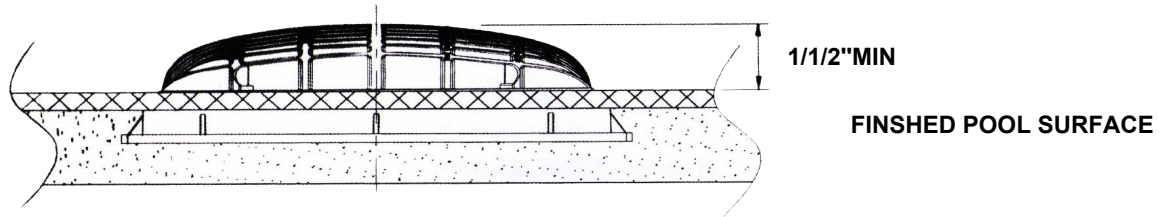
f. Suction outlet components have a finite life, the cover / grate should be inspected frequently and replaced at least every seven years or if found to be damaged, broken, cracked, missing, or not securely attached.

g. Do not exceed maximum flow rate stated on suction fitting.

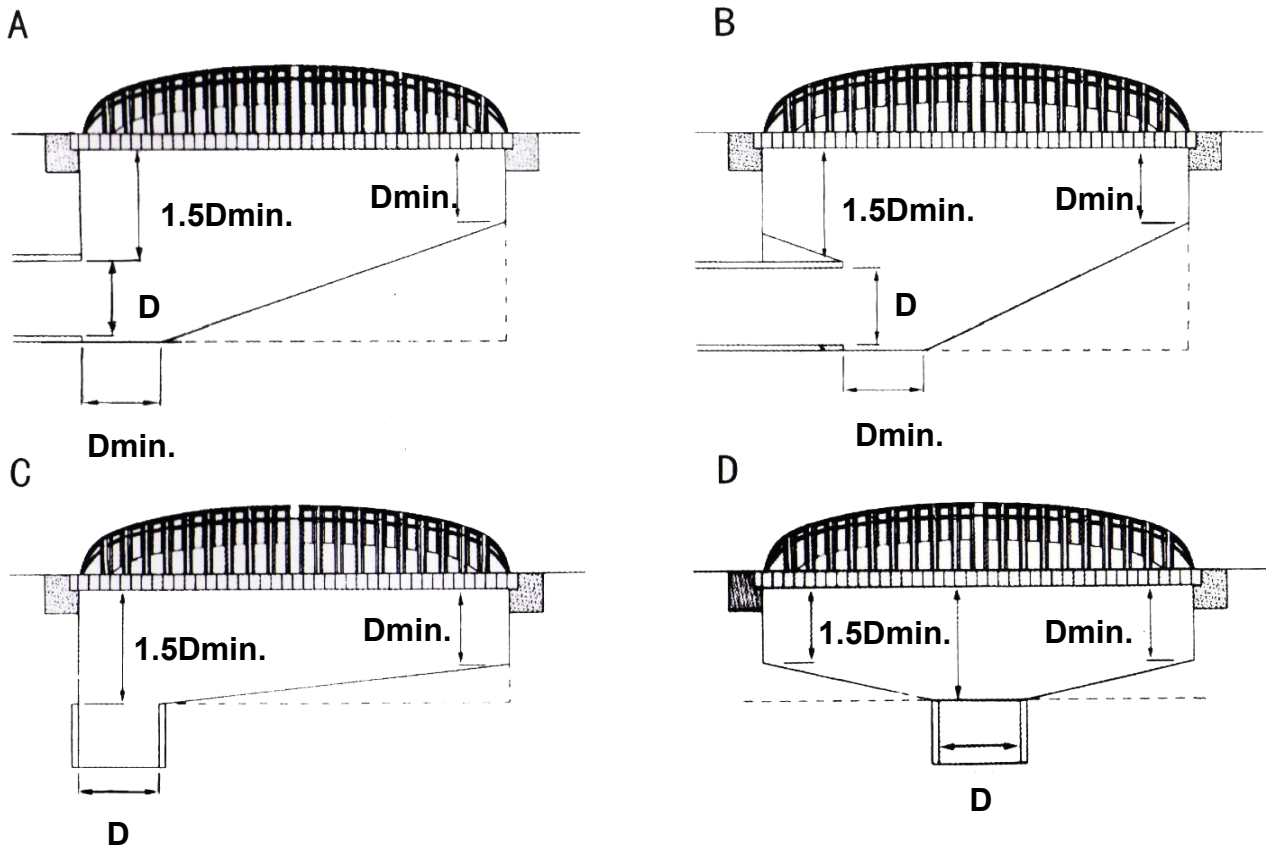
h. Only replace a pump with one with a similar flow curve, avoid a pump with a higher horsepower rating.

5. Installation requirement

To reduce the risk of body entrapment, installation of the field fabricated sumps must be such that the top of the mounted cover, above the finished pool surface over an area larger than 40" on a diagonal.



Field built sumps must be built in accordance with the following:



General notes:

(a) D = inside pipe diameter.

(b) All dimensions shown are minimums.

(c) A broken line (---) indicates suggested sump configuration.