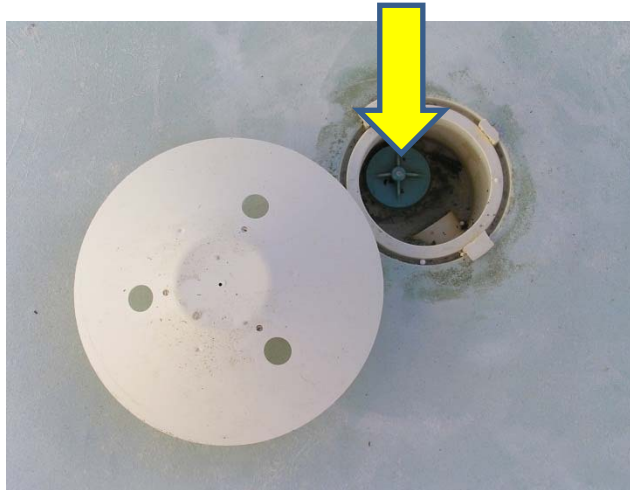


INFO SHEET

How the Hydrostatic Valve Works



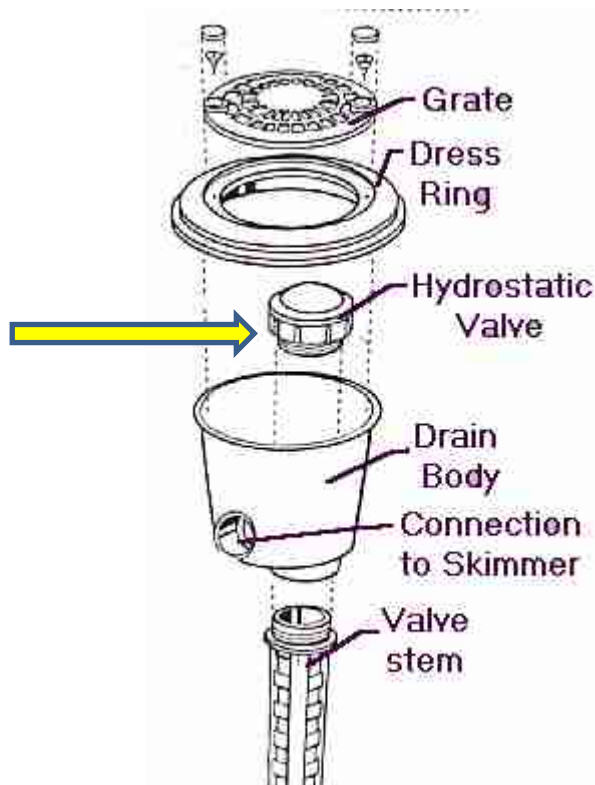
The Hydrostatic Relief Valve (arrow) is located in the deepest part of your swimming pool. It may be under the main drain cover or in its own box situated on the bottom of the swimming pool.

The purpose of the Hydrostatic relief valve is to act as a one way valve allowing water into the pool but not out of the pool. It opens when there is an excessive buildup of water pressure under your pool.

Fig 1 Typical main drain, with cover (removed) and hydrostatic blue valve top visible inside

This allows the ground water to enter the pool and keep the equilibrium between the pool and underground water to avoid damage to the pool.

Fig 2 Most Main Drain assemblies are designed with the same major components.



- The Grate and Dress ring sits in the Fibreglass, tile, Marblesheen, or Render on the floor while the remainder of the Main Drain assembly is cast into the Fibreglass or concrete of the floor.
- The Dress Ring does not have to touch the body of the main drain.
- The Main Drain must be installed at the deepest point of the swimming pool so the water is able to drain completely from the swimming pool.
- The connection to the skimmer allows for a certain amount of water to flow naturally from the bottom of the swimming pool in to the skimmer.
- The valve stem protrudes into the gravel pit below the structure of the pool so the water can drain into the pool easily.
- The hydrostatic valve is flitted into the base of the drain to stop water going out but allowing high pressure water in so the pool does not lift out of the ground.

Hydrostatic Valve: Showing different sizes, 40 and 50 mm



:Valve Removal Tools (usually from good pool shops)

For easy removal & fitting of a 40mm hydrostatic valve. Made from steel.



For easy removal & fitting of a 50mm hydrostatic valve. Made or from plastic. Can use with a spanner or 1/2" drive.



Note: If the Hydrostatic Valve is not working (seized) then best to replace. Consult your pool shop. Also, we have noted some pools do not have the connection to the skimmer box. It's often capped off at the drain body.