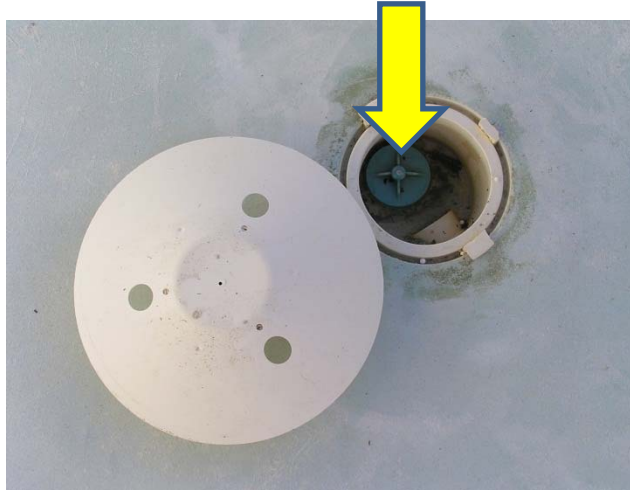


INFO SHEET

*Performance Through
Technology and Service*

How the Hydrostatic Valve Works + Installing a stand pipe when painting.



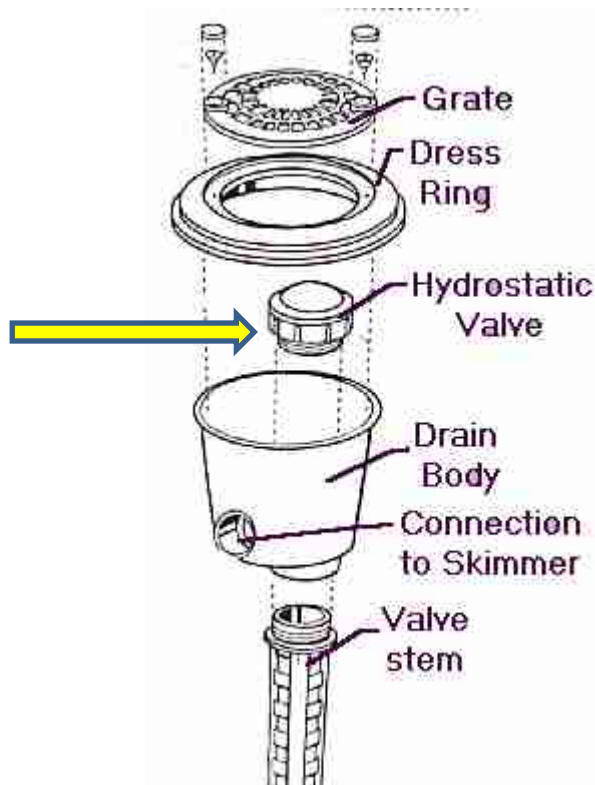
The Hydrostatic Relief Valve (arrow) is located in the deepest part of your swimming pool. It may be under the main drain cover or in its own box situated at the bottom of the swimming pool.

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 keeps 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 into 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 fitted 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 from plastic.

Can be used with a spanner or 1/2" drive.

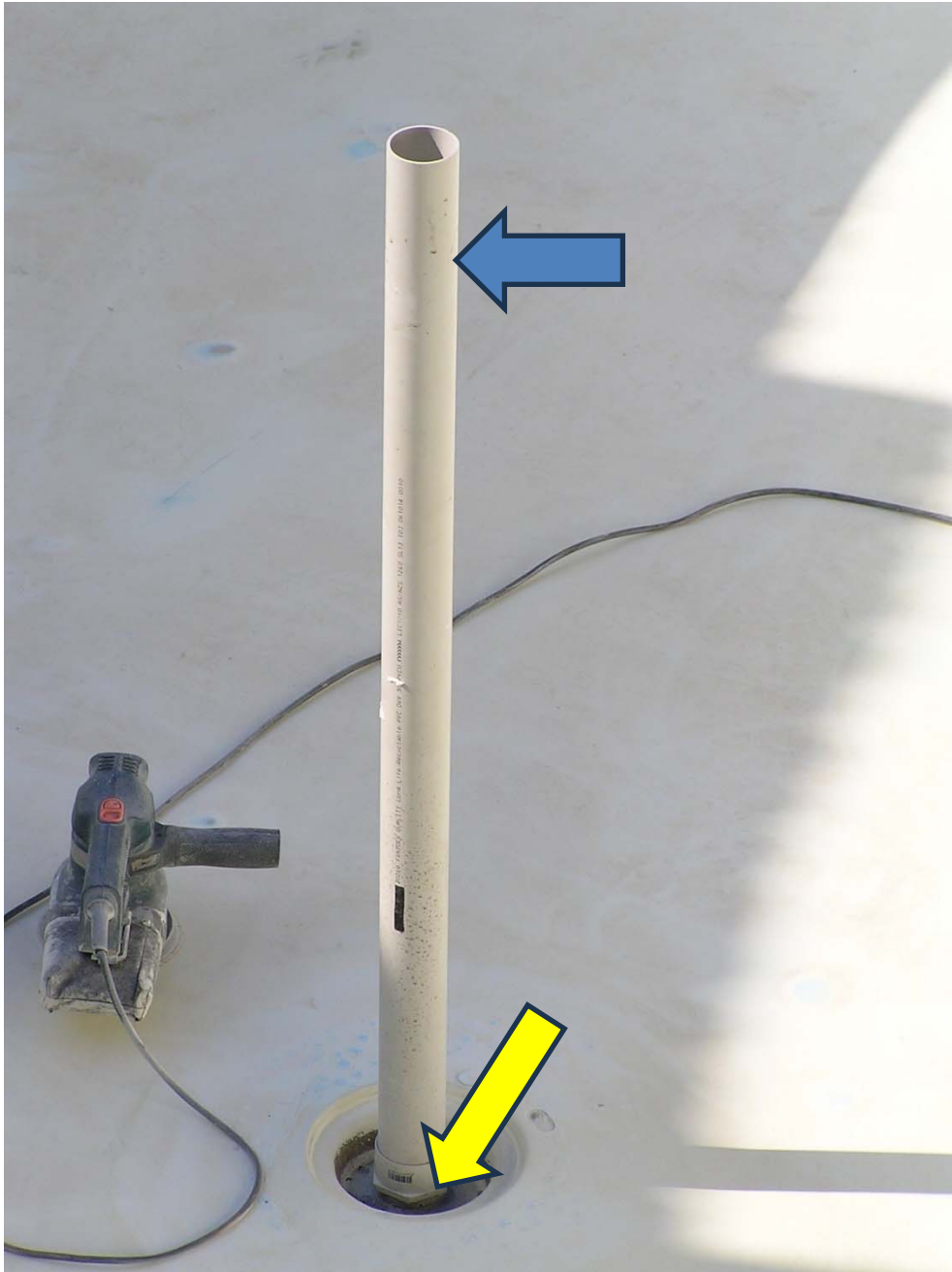


Note: If the Hydrostatic Valve is not working (seized) then best to replace. Consult your pool shop. Also, we have noted some pools do not have a connection to the skimmer box. It's often capped off at the drain body.

When your pool is empty and you are working on your pool water may (should) leak into the pool, so you know the valve is working correctly. It is advisable to lift the small cap upwards to make sure. It should move about 10 mm (1/2 inch) If does not then its likely frozen and should be investigated further or if in doubt replaced.

Insertion of Standpipe to prevent water leaking into your pool when painting.

Hydrostatic valves may leak after pool is empty, this can be dealt with by using a 1 Metre x 50 mm (Blue arrow) standpipe screwed into an Iplex 50 mm Press Adapt Valve, (Yellow arrow, see a good plumbing supply) which is screwed into your pools Hydrostatic valve fitting. Or fit a hose or build a dam and pump out as needed.



Keep an eye on the water level in the standpipe. If it overflows, then there is a lot of water beneath the pool and extra care needs to be taken. You may want to partially refill the pool if going to be left for any length of time to make sure it does not pop up! (Fibreglass definitely can and Concrete will be a possibility).