



Manufacturer: Pentair Water (U.S.A)
Design Flow Rate: 340 litres per minute
Velocity through cover opening at 340 lpm: 0.422 metres per second

- The X-port main drain is always located at the deepest point in the pool. A 450mm piece of 2.5" pipe is supplied and must be used on the main suction line before reducing down to 2" pipe. The secondary suction port on the main drain body has been factory reduced to 2". Do not reduce either of these suction lines down below 2" (50mm).
- The top of the X-port drain body should be installed so that it will finish flush with the anticipated level of the concrete. Expose earth under the main drain body to expose the sweep elbow. This allows the body of the main drain to be fully encased in concrete. Prior to concreting, ensure that the 3 protective plugs are screwed into the main drain body, the hydrostatic valve stem is fitted if required and the Concrete Cap is fitted over the main drain body.
- The secondary suction port must be installed to ensure protection against entrapment and can be located up a side wall. Use 2" pipe between the main drain body and the suction point.
- When concreting, ensure concrete is packed around and under the main drain body to ensure a strong seal. Angle the concrete shell downward toward the main drain body and provide a "cut out" around the top of the main drain body. This "cut out" will allow a construction adhesive to be applied later.
- After concrete has cured, remove the Concrete Cap and seal around the "cut out" using suitable sealant or construction adhesive. Fit the adjustable Interior Finishing Ring onto the body of the main drain, a key way aligns it properly, use construction adhesive if required to secure it at the desired height. The Interior Plaster Cap then fits on top of the Interior Finishing Ring to ensure pebble slurry and debris cannot enter and foul inside the main drain body. The bowl design of the plaster cap easily allows a slurpy pump to operate.
- Apply interior pool surface flush up to the top of the interior finishing ring.
- After the completed interior surface has been cleaned and acid washed if required, remove the plaster cap and the three threaded plugs from the body of the main drain. Screw in the 50mm threaded Hydrostatic Relief Valve (optional extra) and attach the funnel assembly and cover using the screws provided. The black flexible funnel adaptor will have to be pressed and held down while tightening the screws. Some screws provided are Security T25 screws, you will need a T25 Security bit driver (available through Aqua-Quip). The outer lip of the funnel assembly will fit flush up against the interior pool surface.

Warnings

- Risk of entrapment if instructions are not followed. If in doubt, contact Aqua-Quip or authorised agent.
- Do not exceed the X-port Main Drain's maximum flow rate of 340 litres per minute.
- Ensure that the secondary suction port is used and installed correctly.
- During pool construction, ensure all protective plugs and covers are used.
- Ensure that concrete, pebble slurry or construction debris cannot enter any of the pipe-work, which can act to reduce the pipe's diameter.