Certikin's unique main drain grille combines optimum safety with unsurpassed flow rates. It's design is a result of Certikin's continuing commitment to manufacturing the best quality swimming pool equipment in the world.

**FEATURES**

- High Flow - Low Velocity grille supplied as standard
- Provides up to 50% more free flow area than other models
- Anti-vortex design
- Protective film prevents damage during installation
- Stainless steel grille available
- Square frame and grille range available for commercial installations
Main Drain HD33 (concrete) HD33L (liner)
Featuring Certikin’s unique grille design and available for concrete or liner pools, the HD33 drain is used to draw the base water for filtering and is also used as the principal method of emptying the pool. Both concrete and liner types come complete with self-tapping fixings screws for added safety. Manufactured in white ABS.

CK33G Stainless Steel Grille
For shallow learner and plunge pools where direct foot contact is made with the pool floor. Supplied as a kit to fit directly onto standard HD33 or HD33L sump pot.

Hydrostatic Relief Valve
CK34 (heavy brass body) HD34 (plastic body)
Use of a hydrostatic relief valve helps to avoid possible damage to an empty pool if the water table rises above the level of the pool floor.

HD35 Collection Tube
Works in conjunction with the CK/HD34 to collect water from the underside of the pool floor.

CK/HD36 Main Drain Frame and Grille
Available in stainless steel (CK36) or in plastic (HD36), the square frames and grilles are suitable for use in larger pools where more flow is required.

HD9 Reducing Bush
2” x 1.5” BSP plastic threaded reducing bush is available to convert 2” threaded side outlet to 1.5”.

SPC266N High Flow Low Velocity Grille
Suitable for fitting to existing Certikin 6” main drains as a replacement for the old-style grille.

SPC266 Old Grille
Old grille available as a spare for existing main drain installations.
Velocity of swimming pool main sump water should not exceed 1ft per second (0.3m/s).

When choosing sump size always assume that total flow may be directed to the plant room via the sump(s) – sump size should be chosen accordingly.

Example

Pool volume = 400m³

\[ \pi \cdot \text{D}^2 \cdot \text{V} \]

\[ \text{Circulation flow} = 67\text{m}^3/\text{hr} \]

Sump size should be 18" x 18".

In normal conditions flow will be divided between surface draw-off and sump(s) in ratio:

30%: Surface : 70% sump – Skimmer/Gutter Drain

50% Surface : 50% sump – Deck Level.

Important - Main drains must be arranged so that there is no risk of bathers being drawn towards them or trapped there. It is recommended that on all installations, including domestic, a minimum of 2 x main drains are installed.