

Mondial Pools is a Company specialist in the field of swimming pools , artificial lake and aqua parks .

With Staff experience about 15 years starting from design till turn key jobs

The Technical procedure :-

1- **The Permanent Casing:**

Construction system combines between steel reinforcement and casing for pouring concrete in stable way for concrete buildings. It is an international system approved from The Housing and Building National Research Center, and registered as a Patent for concrete casing in France. The Mesh casings are manufactured from metal of galvanized steel according to the American Institute from for Material Testing Specification (ASTM C847) with galvanized mesh (G60) according to the American specification (ASTM A525) (USA), or according to (2275 Norme NF) France or equivalent.

The walls and the floor are concreted together at same time, the casing is delivered and installed with the shape and the dimensions according to the Client's design and it decreases the total weight of the pool.

2- **The Compact Filtration System:**

The unique filtration system eliminates the following when compared to the conventional filtration systems:

- The plant room and thereby all related land and construction costs.
- All underground piping and thereby all plumbing works.
- All openings in the pool walls and floor for water inlets, outlets, skimmers, vacuum cleaner inlets, inlets, under water spot light and draining thereby eliminating a great a source of possible leak.
- Sand filter and thereby the backwash (waste of chemicals, and water), and using burble polyester bags (Six and/or fifteen Microns).
- All losses in pump capacity due to distance between the plant room and piping, elbows etc. thereby increasing the circulation of water during the same timer.

The filtration system ET 20 includes:

	Specification	Qty
•	Control panel with timer, power outage units and sensor to maintain unity in the case of changing power voltage.	(1)
•	Pump with filtration capacity of (25) m ³ /hour	(1)
•	Filter media from polyester bags (15 microns)	(4)
•	Skimmer	(1)
•	Water inlet	(1)

• Under water Led spot light 12V	(1)
• Pre Filter strainer ABS	(2)
• After Filter strainer ABS	(2)
• Skim Vas to fix Vacuum cleaner	(1)
• Pool Dump Set	(1)
• Water proof transformer 50 V, 12V	(1)
• Top Filter Cover (Wood Tech)	(1)

The filtration system ET 25 includes:

Specification	Qty
• Control panel with timer, power outage units and sensor to maintain unity in the case of changing power voltage.	(1)
• Pump with filtration capacity of (25) m ³ /hour	(1)
• Filter media from polyester bags (15 microns)	(4)
• Skimmer	(1)
• Water inlet	(1)
• Under water Led spot light 12V	(1)
• Pre Filter strainer ABS	(2)
• After Filter strainer ABS	(2)
• Skim Vas to fix Vacuum cleaner	(1)
• Pool Dump Set	(1)
• Water proof transformer 50 V, 12V	(1)
• Top Filter Cover (Wood Tech)	(1)

The filtration system ET 50 includes:

Specification	Qty
• Control panel with timer, power outage units and sensor to maintain unity in the case of changing power voltage.	(1)
• Pump with filtration capacity of (25) m ³ /hour	(2)
• Filter media from polyester bags (15 microns)	(4)
• Skimmer	(1)

• Water inlet	(1)
• Under water Led spot light 12V	(1)
• Pre Filter strainer ABS	(2)
• After Filter strainer ABS	(2)
• Skim Vas to fix Vacuum cleaner	(1)
• Pool Dump Set	(1)
• Water proof transformer 50 V, 12V	(1)
• Top Filter Cover (Wood Tech)	(1)

3- Water proofing and Finishing :

Interior Water proofing:

Interior side walls and pool bottom is waterproof and finished through tailored liner membranes according to the shape of the pool (1.5mm) and it enjoys the following advantages:

- Rot proof.
- Ultra Violet treated.
- Compatible with the commonly used water treatment products.
- Fungicides and Bactericides treated.
- Higher extendibility and shrinking ability than concrete.
- The coping are artificial stones, size (50cm x 60cm).

4- Scope of Work:

- Laying out the pool and determining the ZERO level.
- Excavation and grading the soil.
- Leveling the base for the casing.
- Pouring plan concert
- Assembling the casing and measuring length, width and Diagonals and fixing the supporting struts.
- Enforcing the side walls vertically and horizontally.
- Laying steel mesh in the bottom of pool 5 Ø 8 mm/m one layer in both directions.
- Concreting pool bottom and walls
- Back filling using sand (NO Rocks).
- Smoothing the pool bottom with cement.
- Fixing the coping stones.
- Cleaning the interior of the pool.
- Fixing the Liner.
- Filing the pool

- Installing the filtration unit.
- Electric cables installations from control panel to the pool filter units.
- Testing and commissioning the filtration system.
- Treating the water for the first use.
 - Adjusting PH.
 - Adding Chlore tablets.
 - Adding long Chlore tablets.
- Cleaning the pool site.
- Training the person in charge on the system maintenance for one week.
- Receiving the pool by the client.

5- **Guarantee:**

The international guarantee starts from the date of functioning of the filtration system and it include:

- Ten year guarantee on the welding of Liner digressive.
- Two year guarantee of the filtration system.
- Two year guarantee on the control panel.

The guarantee does not cover any damages resulting from misuse of pool materials, filtration, and control panel or after trying repairing though non-agent specialists.

6- **Construction time:**

The pool Construction duration will be based on the size of the pool