

Distributor  
of



### JAPANESE TECHNOLOGY

Swimming Pools | Pool Filters | Equipments | Accessories | Pool Heating  
Pool Cover | Chilled Shower | Fountains | Water Treatment | Jacuzzi  
Sauna | Steam Bath | Chemicals TCCA 90

# DS WATER TECHNOLOGY

*A Water Management Company*

AN ISO 9001:2015 Certified Company

[www.dswatertechnology.com](http://www.dswatertechnology.com)



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## INTRODUCTION

DS Water Technology is an International Standard Indian Company which is leading , Supplier, Manufacturer, Importer of an exclusive range of Swimming pool equipments, Accessories, Pool furniture , Fountain accessories, Spa equipments & Chemicals TCCA - 90%(Granular & Tablet), We are also developing products according to Indian requirements.

Our products are manufactured from the best quality raw material and are quality tested before dispatch. The products are manufactured with the product appropriate technology incorporating all the necessary protection features. The products are available with various options of sizes and colors (in some cases) to suit your needs.

The Company is committed to deliver high quality products, improved technology backed with dedicated services and above all our competitiveness ensures complete customer satisfaction.

# Filteration Equipments

## Top Mount Fiber Glass Bobbin Wound Sand Filter

### Features:-

- ✂ The fiberglass winding design enables the filter to be durable, deforming-proof and corrosion resistant.
- ✂ A unique and advanced design ensures fast draining and stabilizes water flow.
- ✂ The 6-position multi-port valve with a user friendly handle easily provides you a maximum flow at low pressure drop.
- ✂ The Sand filter comes with a precise pressure gauge.
- ✂ It is easy to install and to maintain.
- ✂ The Outlet turbidity is less than 2FTU.
- ✂ Working pressure is 2.5 Kg cm<sup>2</sup>/36 psi.
- ✂ UV resistance surface allows the filter to work under direct sunlight.
- ✂ Maximum operating temperature is 43°C.

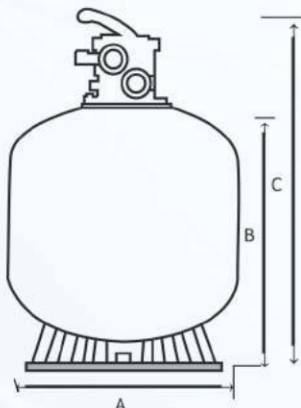


### Technical Information

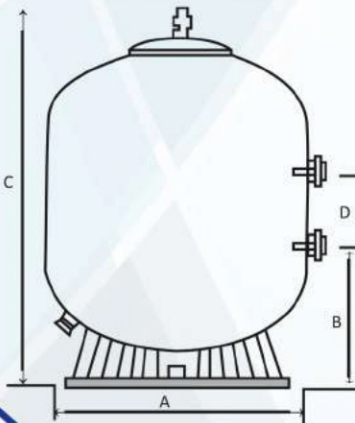
Code	Model	Design Flow m <sup>3</sup> /h	Filteration Area m <sup>2</sup>	Pipe Size Inch	Sand Req. Kg
HT-16	HT400-16"	6.5	0.13	1.5	45
HT-18	HT450-18"	8.2	0.17	1.5	75
HT-22	HT550-22"	12.5	0.25	1.5	110
HT-25	HT650-25"	16.4	0.36	1.5	170
HT-28	HT700-28"	21.3	0.41	1.5	190
HT-30	HT750-30"	24.2	0.45	2.0	250
Ht-33	HT800-33"	26.8	0.51	2.0	350
HT-36	HT900-36"	32.6	0.65	2.0	470
HT-40	HT1000-40"	33.0	0.78	2.0	620
HT-48	HT1200-48"	49.0	1.14	2.0	900

Code	HT-16	HT-18	HT-22	HT-25	HT-28	HT-30	HT-33	HT-36	HT-40	HT-48
A	400	450	550	650	700	750	800	900	1000	1200
B	536	580	610	710	740	730	870	970	1160	1164
C	730	840	870	970	1000	1020	1160	1260	1380	1450



## Side Mount Fiber Glass Bobbin Wound Sand Filter



### Features:

The fiberglass winding design enables the filter to be durable, deforming-proof and corrosion resistant.

A unique and advanced design ensures fast draining and stabilizes water flow.

The 6-position multi-port valve with a user friendly handle easily provides you a maximum flow at low pressure drop.

The sand filter comes with a precise pressure gauge.

It is easy to install and to maintain.

The outlet turbidity is less than 2FTU.

Working pressure is 2.5 kg cm<sup>2</sup>/36 psi.

UV resistance surface allows the filter to work under direct sunlight.

Maximum operating temperature 43°C.

Smooth & High brightness appearance easy to clean.

Universal standard of union connection provided.



### Technical Information

Code	Model	Design Flow m <sup>3</sup> /h	Filteration Area m <sup>2</sup>	Pipe Size Inch	Sand Required Kg
HS-36	HS900-36"	31.68	0.64	2.0	400
HS-40	HS1000-40"	39.10	0.79	2.0	500
HS-44	HS1100-44"	47.03	0.95	2.0	600
HS-48	HS1200-48"	55.94	1.13	2.0	950
HS-56	HS1400-56"	76.23	1.54	2.0	1350
HS-64	HS1600-64"	100	2.06	4.0	2300
HS-72	HS1800-72"	120	2.52	6.0	2900
HS-80	HS2000-80"	145	2.97	6.0	4000

### Product Dimensions

Code	HS-36	HS-40	HS-44	HS-48	HS-56	HS-64	HS-72	HS-80
A	900	1000	1100	1200	1400	1600	1800	2000
B	530	540	540	660	770	1450	1610	1800
C	1020	1020	1200	1210	1350	810	850	900
D	142	142	142	142	142	1740	2040	2210

# Filters & Pumps

## Cartridge Filters



### Features:-

- ✍ Single locking knob securely fastens head to filter tank, eliminatin bolts.
- ✍ Attractive, durable filter head can be rotated to conveniently position pressure gauge and manual air relief.
- ✍ Injection-moulded filter tank for dependable, corrosion-free performance.
- ✍ Elevated, filtered water collector & debris sump prevents accidental by-pass of heavy debris to pool or spa when cartridge is removed for cleaning, Working pressure 2.5 kg/cm square/36 psi.
- ✍ Cartridge element can be reused after cleaning.
- ✍ Outer cover made of reinforced plastic & cartridge element is made of working polyester material

Model	AF 25	AF 50	AF 75	AF 100	AF 150
Design Flow (M <sup>3</sup> /h)	5.5	11.4	17.0	22.9	33.4

## Halbert Wall-Mounted : Integrative Pool Filter

### Features:-

Halbert brings the world's most advanced swimming pool filtration system - Halbert Integrative Pipe Less Filter. The Filter integrates the multiple functions of filtration, Disinfection Vaccum cleaning, Illumination and Whirlpool Massage. The filter eliminates the requirement of balancing tank, buried pipes, plumbing and pump room. The Halbert Pipe less Filter can fit any existing water body, swimming pool or pond easily.

The enclosure is made up of high quality Lucritc Acrylic which is known for it's properties of acid and ageing resistance.

The filter body is tough and strong. The filter is easy to clean and install.

Inlet & Outlet point Massage Jet Nozzle Led Light, Stainless steel Handrail.



TECHNICAL CHARACTERISTICS		EQUIPMENT	
Dimensions	1110x670x780mm	Filtration Pump	1x1HP, 1x1.5HP
Flow Rate	10m <sup>3</sup> /h 15m <sup>3</sup> /h	Filtration Basket with Bag	1pc
Voltage	220V / 50Hz or 60Hz	Chlorine Feeder	1pc
Precision of Filtration Bag	≤ 5u	Light (warm white)	1x LED 12W/ 12V
Operating Noise	≤ 50Db	Time Controller	1pc
Material	Acrylic	Swim Jet	2pcs
Installation	Wall Mounting	Handrail (S.S.)	2pcs
Available	HPF-10 -10m <sup>3</sup> /h, HPF-15 -15m <sup>3</sup> /h HPF-25 -25m <sup>3</sup> /h, HPF-35 -35m <sup>3</sup> /h	Ozone(optional)	1pc
		Lighting System	1pc

## Whirlpool Pump-Application: Pools/Jacuzzi/SPA



### Materials:

- Self Priming pump
- Injected thermo plastic pump casing
- Stainless steel studs
- Motor shaft in stainless steel AISI/420
- Impeller in PPO
- Mechanical seal in graphite and ceramic
- Motor housing in aluminum
- Available in 0.5HP, 0.75HP, 1HP, 1.5HP, 2HP, 3HP

### Motors:

- Built in pneumatic switch for on & off underwater
- Asynchronous, two poles
- IP 55 protection
- Class F insulation



## Filter Media-Sand & Glass Media

		
Grade-1	Grade-2	Grade-3
Size:4/8, Approx.5-6mm Packaging: 25kg Bag	Size:8/16 Packaging: 25kg Bag	Size:16/30/32 Packaging: 25kg Bag

Halbert Pool Glass Filter Media is the environmentally friendly filter media and a viable alternative to sand; made from glass recycled in the Japan, it doesn't involve intrusive mining and the use of scarce resources.

This media is more efficient. It can remove up to 30% more material and pollutants than, so saving on backwashing and the resultant water, energy and chemical treatment costs.

This media is suitable for both commercial and residential filters with laterals or nozzle plates.



The single media filtration by use of filter sand is widely spread as a general filtering method. However in these days the treated water quality standards are tightened in addition to the deterioration problem of raw water quality arisen from the growth of algae and cryptosporidium, the part of filtration, which is a key point of water purification become more important and performance is required.

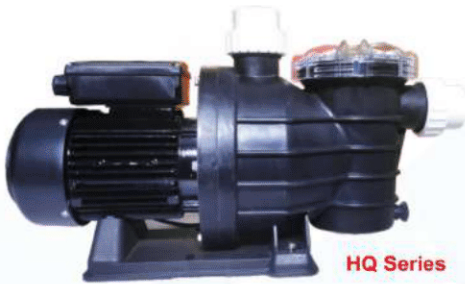
Pre-filtration to protect membrane process from fouling.

Filtration of cooling water to prevent heat exchanger fouling.

Pressure filters uses granular media to remove contaminants from water.

# Swimming Pool Pumps

## Swimming Pool Pumps



HQ Series



HSP Series



HPC-Series

### Applications:

Jet pumps for bath tubs, spa pools, Swimming pools, massage stations and Cleaning Systems.

### Features:

1. Wet ends made of high reinforced engineering thermal plastic with compact structure and corrosive-resistance.
2. 1.5 inch Inlet and outlet.
3. High efficient structure design for diffusor and impeller to get higher performance.
4. No contact between motor shaft and liquid.
5. Motor / Pump shaft has no contact with the water.
6. Continuous Operations

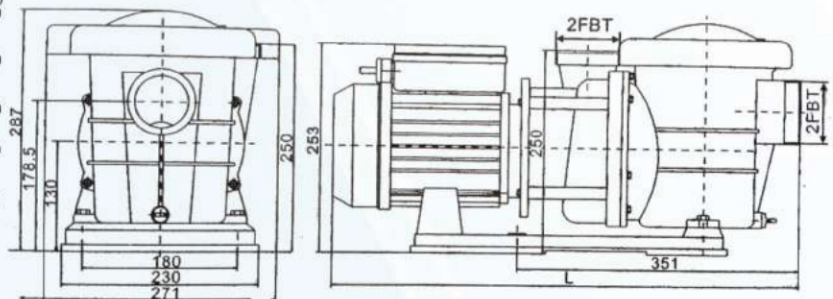
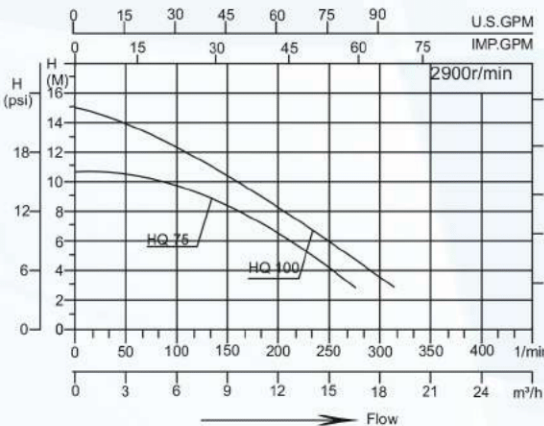
### Motor:

2-pole induction motor Single-phase : 220-240/50Hz Single-phase with thermal protector

- a. Capacitor inset
- b. Insulation class F
- c. Protection IPX5
- d. Continuous duty

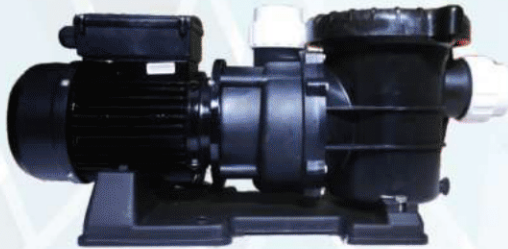
### H-PC Series:

Model	Power (P1)		Qmax (l/min)	Hmax (m)	V/Hz	(Amps)	Fitting Size (mm)	(Kg)
	KW	HP						
HPC-050	0.37	0.50	195	7	220-240/50	1.9	48.5 or 50	9.3
HPC-075	0.55	0.75	255	10	220-240/50	2.7	48.5 or 50	9.5
HPC-100	0.75	1.0	340	12.5	220-240/50	3.8	48.5 or 50	9.7
HPC-150	1.1	1.5	390	17.5	220-240/50	5.8	48.5 or 50	10.9
HPC-200	1.5	2.0	470	18.5	220-240/50	7.0	48.5 or 50	11.5



Model	Qmax (L/min)	Hmax (m)	V/Hz	Power(P1)		Fitting Size (mm)	Filter basket Volume (L)	Weight (Kg)
				KW	HP			
HQ 075	280	11	220-240/50	0.55	0.75	48.5 or 50	1	10.8
HQ 100	310	14.5		0.75	1.0			11.6

## Swimming Pool Pumps



HQ Series



STP Series



HPB-Series

### Applications:

Jet pumps for bath tubs, spa pools, Swimming pools, massage stations and Cleaning Systems.

### Features:

1. Motor / Pump shaft has no contact with the water.
2. Total electrical separation.
3. 2.2L pre filter.
4. 2" inlet & outlet.
5. Motor / Pump shaft has no contact with the water.

### Operative Conditions :

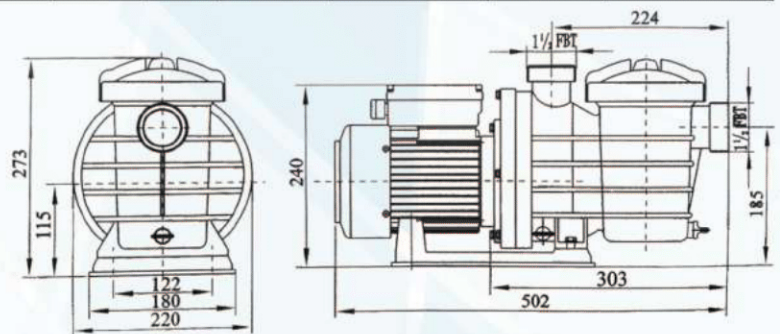
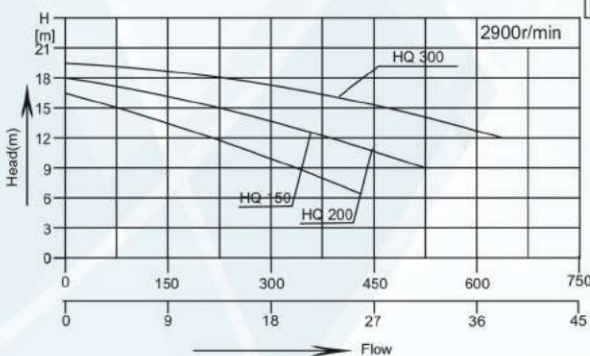
1. Liquid temperature from +5°C ~ +60°C
2. Ambient temperature up to 50°C
3. Max. working pressure : 3 bar

### Motor:

1. 2-pole induction motor Single-phase : 220-240/50Hz Single-phase with thermal protector T.I.
2. Capacitor inset
3. Insulation class F
4. Protection IPX5
5. Continuous duty

### H-PB Series:

Model	Power (P1)		Qmax (l/min)	Hmax (m)	V	Packing Size (mm)
	KW	HP				
HPB-100	0.9	1.0	350	12.5	220	675x315x420
HPB-150	1.1	1.5	380	16.5	220	675x315x420
HPB-200	1.5	2.0	500	20	220	675x315x420
HPB-300	2.2	3.0	600	22	220	675x315x420



Model	Qmax (l/min)	Hmax (m)	Power		L	(Kg)	Packing Size (mm)
			kW	HP			
HQ 150	430	16.5	1.1	1.5	573	13.5	600X295X345
HQ 200	520	18.0	1.5	2.0	573	14	600X295X345
HQ 300	635	19.5	2.2	3.0	598	17	625X295X345

# Swimming Pool Pumps

## Commercial Series Swimming Pump

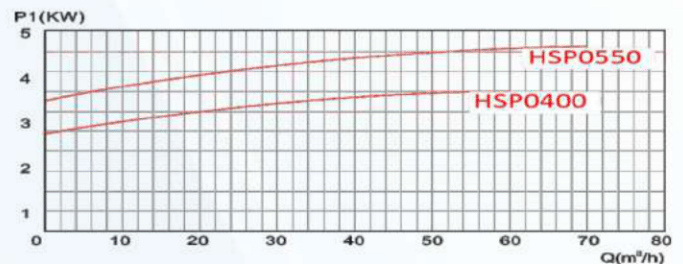
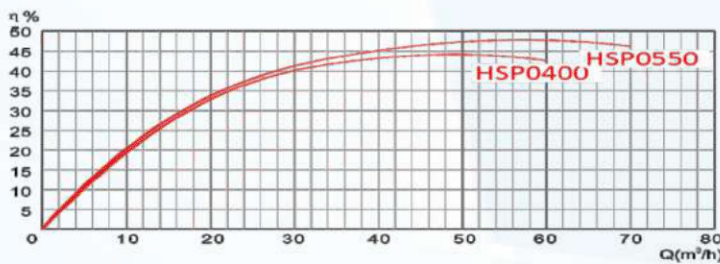
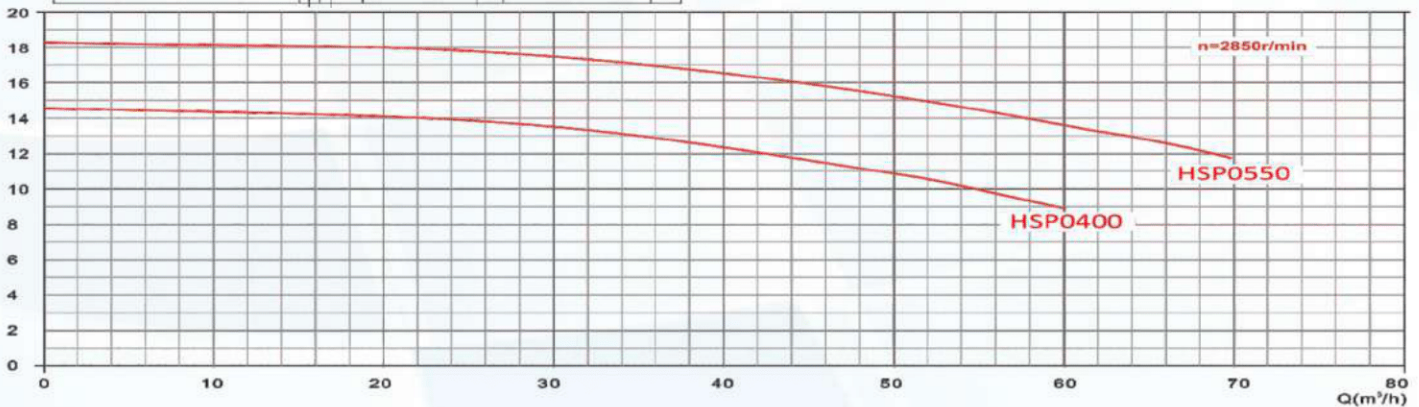
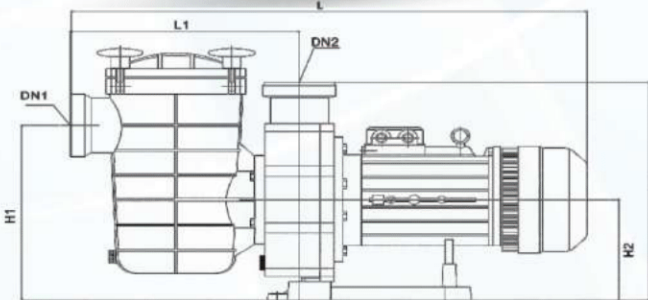


### Materials:

1. Self priming pump
2. Injected thermo plastic pump casing
3. Filter basket in white color injected plastic material
4. Prefilter lid in transparent polycarbonate
5. Stainless steel studs
6. Impeller and seal mounting in PPO
7. Motor shaft in stainless steel AISI 420
8. Mechanical seal in graphite and SIC
9. Motor housing in aluminium L2521

### Motors:

1. Asynchronous, two poles
2. IP 55 protection
3. Class F insulation
4. Continuous operation
5. Single phase version built in thermal protection



Model	HP	KW	V		A		P1(KW)	Q	L/Min	Q (m³/h)						
			50HZ	50HZ	220V	380V				1~/3~	0	333.3	500	666.7	833.3	1000
HSP0400	4	3		380		6.4	3.6	H(m)		14.5	14.2	13.5	12.6	11	9.5	
HSP0550	5.5	4		380		8.3	4.7			18.2	17.8	11	16.3	16	13.8	12.2

## Pool Base Fitting

	<table border="1"> <tr><td>Model No:</td><td>HA-001</td></tr> <tr><td colspan="2"><b>Wall Return/ Floor Intel Side Flow</b></td></tr> <tr><td colspan="2">Color: White</td></tr> <tr><td colspan="2">Flow Rate: 9M<sup>3</sup>/hr</td></tr> <tr><td colspan="2">Floor inlets Made in White ABS, These are UV resisted and are appreciated for longer service life. Connection 50mm / 63mm</td></tr> </table>	Model No:	HA-001	<b>Wall Return/ Floor Intel Side Flow</b>		Color: White		Flow Rate: 9M <sup>3</sup> /hr		Floor inlets Made in White ABS, These are UV resisted and are appreciated for longer service life. Connection 50mm / 63mm			<table border="1"> <tr><td>Model No:</td><td>HA-002</td></tr> <tr><td colspan="2"><b>Floor Inlet Grill Type</b></td></tr> <tr><td colspan="2">Color: White</td></tr> <tr><td colspan="2">Flow Rate: 9M<sup>3</sup>/hr</td></tr> <tr><td colspan="2">Floor inlets side flow system Made in White ABS, These are UV resisted and are appreciated for longer service life. Connection 50mm / 63mm</td></tr> </table>	Model No:	HA-002	<b>Floor Inlet Grill Type</b>		Color: White		Flow Rate: 9M <sup>3</sup> /hr		Floor inlets side flow system Made in White ABS, These are UV resisted and are appreciated for longer service life. Connection 50mm / 63mm	
Model No:	HA-001																						
<b>Wall Return/ Floor Intel Side Flow</b>																							
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Floor inlets side flow system Made in White ABS, These are UV resisted and are appreciated for longer service life. Connection 50mm / 63mm																							
	<table border="1"> <tr><td>Model No:</td><td>HA-003</td></tr> <tr><td colspan="2"><b>Wall Return/Floor Inlet Flower Type</b></td></tr> <tr><td colspan="2">Color: White</td></tr> <tr><td colspan="2">Flow Rate: 12M<sup>3</sup>/hr</td></tr> <tr><td colspan="2">Adjustable Floor inlets Made in White ABS, with multiple flow UV protected appreciated for long life. Connection 50mm / 63mm</td></tr> </table>	Model No:	HA-003	<b>Wall Return/Floor Inlet Flower Type</b>		Color: White		Flow Rate: 12M <sup>3</sup> /hr		Adjustable Floor inlets Made in White ABS, with multiple flow UV protected appreciated for long life. Connection 50mm / 63mm			<table border="1"> <tr><td>Model No:</td><td>HA-004</td></tr> <tr><td colspan="2"><b>Eye Ball Nozzle</b></td></tr> <tr><td colspan="2">Color: White</td></tr> <tr><td colspan="2">Flow Rate: 4.5M<sup>3</sup>/hr</td></tr> <tr><td colspan="2">Eye Ball Nozzle inlets Made in White ABS, with multiple flow UV protected appreciated for long life. Connection 50mm / 63mm suitable for 10 &amp; 6 Kg pressure</td></tr> </table>	Model No:	HA-004	<b>Eye Ball Nozzle</b>		Color: White		Flow Rate: 4.5M <sup>3</sup> /hr		Eye Ball Nozzle inlets Made in White ABS, with multiple flow UV protected appreciated for long life. Connection 50mm / 63mm suitable for 10 & 6 Kg pressure	
Model No:	HA-003																						
<b>Wall Return/Floor Inlet Flower Type</b>																							
Color: White																							
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Eye Ball Nozzle inlets Made in White ABS, with multiple flow UV protected appreciated for long life. Connection 50mm / 63mm suitable for 10 & 6 Kg pressure																							
	<table border="1"> <tr><td>Model No:</td><td>HA-005</td></tr> <tr><td colspan="2"><b>Eye Ball Diffuser Nozzle</b></td></tr> <tr><td colspan="2">Color: White</td></tr> <tr><td colspan="2">Flow Rate: 4.5M<sup>3</sup>/hr</td></tr> <tr><td colspan="2">Eye Ball Diffuser Nozzle inlets Made in White ABS, with multiple flow UV protected appreciated for long life. Connection 50mm / 63mm</td></tr> </table>	Model No:	HA-005	<b>Eye Ball Diffuser Nozzle</b>		Color: White		Flow Rate: 4.5M <sup>3</sup> /hr		Eye Ball Diffuser Nozzle inlets Made in White ABS, with multiple flow UV protected appreciated for long life. Connection 50mm / 63mm			<table border="1"> <tr><td>Model No:</td><td>HA-006</td></tr> <tr><td colspan="2"><b>Single Hole Jet</b></td></tr> <tr><td colspan="2">Color: White</td></tr> <tr><td colspan="2">Flow Rate: 3.5 M<sup>3</sup>/hr</td></tr> <tr><td colspan="2">Connection Size-50mm Material-ABS</td></tr> </table>	Model No:	HA-006	<b>Single Hole Jet</b>		Color: White		Flow Rate: 3.5 M <sup>3</sup> /hr		Connection Size-50mm Material-ABS	
Model No:	HA-005																						
<b>Eye Ball Diffuser Nozzle</b>																							
Color: White																							
Flow Rate: 4.5M <sup>3</sup> /hr																							
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Color: White																							
Flow Rate: 3.5 M <sup>3</sup> /hr																							
Connection Size-50mm Material-ABS																							
	<table border="1"> <tr><td>Model No:</td><td>HA-007</td></tr> <tr><td colspan="2"><b>Vaccum Point/Suction Inlet</b></td></tr> <tr><td colspan="2">Color: White</td></tr> <tr><td colspan="2">Flow Rate: 4.5M<sup>3</sup>/hr</td></tr> <tr><td colspan="2">Suction inlets Made in White ABS, These are UV resisted and are appreciated for longer service life. Connection 63mm</td></tr> </table>	Model No:	HA-007	<b>Vaccum Point/Suction Inlet</b>		Color: White		Flow Rate: 4.5M <sup>3</sup> /hr		Suction inlets Made in White ABS, These are UV resisted and are appreciated for longer service life. Connection 63mm			<table border="1"> <tr><td>Model No:</td><td>HA-008</td></tr> <tr><td colspan="2"><b>Wall Conduit</b></td></tr> <tr><td colspan="2">Color: White</td></tr> <tr><td colspan="2">Flow Rate: 9M<sup>3</sup>/hr</td></tr> <tr><td colspan="2">Size: 63mm Threaded Material ABS</td></tr> </table>	Model No:	HA-008	<b>Wall Conduit</b>		Color: White		Flow Rate: 9M <sup>3</sup> /hr		Size: 63mm Threaded Material ABS	
Model No:	HA-007																						
<b>Vaccum Point/Suction Inlet</b>																							
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Size: 63mm Threaded Material ABS																							
	<table border="1"> <tr><td>Model No:</td><td>HA-009</td></tr> <tr><td colspan="2"><b>Standard Skimmer</b></td></tr> <tr><td colspan="2">Color: White</td></tr> <tr><td colspan="2">Size: 50mm/63mm thread</td></tr> <tr><td colspan="2">Standard Wall Skimmer for Concrete Pool Material - ABS</td></tr> </table>	Model No:	HA-009	<b>Standard Skimmer</b>		Color: White		Size: 50mm/63mm thread		Standard Wall Skimmer for Concrete Pool Material - ABS			<table border="1"> <tr><td>Model No:</td><td>HA-010</td></tr> <tr><td colspan="2"><b>Wide Mouth Skimmer</b></td></tr> <tr><td colspan="2">Color: White</td></tr> <tr><td colspan="2">Size: 50mm/63mm thread</td></tr> <tr><td colspan="2">Wide Mouth Skimmer for Concrete Pool Material - ABS</td></tr> </table>	Model No:	HA-010	<b>Wide Mouth Skimmer</b>		Color: White		Size: 50mm/63mm thread		Wide Mouth Skimmer for Concrete Pool Material - ABS	
Model No:	HA-009																						
<b>Standard Skimmer</b>																							
Color: White																							
Size: 50mm/63mm thread																							
Standard Wall Skimmer for Concrete Pool Material - ABS																							
Model No:	HA-010																						
<b>Wide Mouth Skimmer</b>																							
Color: White																							
Size: 50mm/63mm thread																							
Wide Mouth Skimmer for Concrete Pool Material - ABS																							
	<table border="1"> <tr><td>Model No:</td><td>HA-011</td></tr> <tr><td colspan="2"><b>Mini Skimmer</b></td></tr> <tr><td colspan="2">Color: White</td></tr> <tr><td colspan="2">Flow Rate: 9M<sup>3</sup>/hr</td></tr> <tr><td colspan="2">Mini Skimmer for Concrete/Vinyl Pool Material ABS Connection 1-1/2" Threaded</td></tr> </table>	Model No:	HA-011	<b>Mini Skimmer</b>		Color: White		Flow Rate: 9M <sup>3</sup> /hr		Mini Skimmer for Concrete/Vinyl Pool Material ABS Connection 1-1/2" Threaded			<table border="1"> <tr><td>Model No:</td><td>HA-012</td></tr> <tr><td colspan="2"><b>Squire Main Drain</b></td></tr> <tr><td colspan="2">Color: White</td></tr> <tr><td colspan="2">Flow Rate: 850L / Min</td></tr> <tr><td colspan="2">Squire Main Drian 300mm X 300mm Material-ABS</td></tr> </table>	Model No:	HA-012	<b>Squire Main Drain</b>		Color: White		Flow Rate: 850L / Min		Squire Main Drian 300mm X 300mm Material-ABS	
Model No:	HA-011																						
<b>Mini Skimmer</b>																							
Color: White																							
Flow Rate: 9M <sup>3</sup> /hr																							
Mini Skimmer for Concrete/Vinyl Pool Material ABS Connection 1-1/2" Threaded																							
Model No:	HA-012																						
<b>Squire Main Drain</b>																							
Color: White																							
Flow Rate: 850L / Min																							
Squire Main Drian 300mm X 300mm Material-ABS																							
	<table border="1"> <tr><td>Model No:</td><td>HA-013</td></tr> <tr><td colspan="2"><b>Squire Main Drain</b></td></tr> <tr><td colspan="2">Color: Chrome Finish</td></tr> <tr><td colspan="2">Flow Rate: 850 L/min</td></tr> <tr><td colspan="2">Size: 300mm X 300mm 450mm X 450mm Material Stainless Steel</td></tr> </table>	Model No:	HA-013	<b>Squire Main Drain</b>		Color: Chrome Finish		Flow Rate: 850 L/min		Size: 300mm X 300mm 450mm X 450mm Material Stainless Steel			<table border="1"> <tr><td>Model No:</td><td>HA-014</td></tr> <tr><td colspan="2"><b>Circular Main Drain</b></td></tr> <tr><td colspan="2">Color: White</td></tr> <tr><td colspan="2">Flow Rate: 63mm</td></tr> <tr><td colspan="2">Circular ABS Main Drain for Concrete Pool w/170mm in Diameter &amp; 2" int.tr</td></tr> </table>	Model No:	HA-014	<b>Circular Main Drain</b>		Color: White		Flow Rate: 63mm		Circular ABS Main Drain for Concrete Pool w/170mm in Diameter & 2" int.tr	
Model No:	HA-013																						
<b>Squire Main Drain</b>																							
Color: Chrome Finish																							
Flow Rate: 850 L/min																							
Size: 300mm X 300mm 450mm X 450mm Material Stainless Steel																							
Model No:	HA-014																						
<b>Circular Main Drain</b>																							
Color: White																							
Flow Rate: 63mm																							
Circular ABS Main Drain for Concrete Pool w/170mm in Diameter & 2" int.tr																							

# Pool Cleaning Equipments

## Pool Cleaning Equipments















	Model No:	HA-015		Model No:	HA-016
	Description			Description	
	Standard Curved Poly Bristle Wall Brush - 18"			Poly Bristle Wall Brush - 10"	
	Standard Packing	1		Standard Packing	1
	Weight (KG)	200gm		Weight (KG)	125gm
Size	18"	Size	10"		
	Model No:	HA-017		Model No:	HA-018
	Description			Description	
	Deluxe Stainless Steel Algae Brush 18"			Hi-grade Stainless Steel Algae Brush - 10"	
	Standard Packing	1		Standard Packing	1
	Weight (KG)	-		Weight (KG)	190gm
Size	18"	Size	10"		
	Model No:	HA-019		Model No:	HA-020
	Description			Description	
	Poly Bristle Wall Brush with Aluminium back handle - 18" -			Stainless Steel Algae Brush with Aluminium back 18"	
	Standard Packing	1		Standard Packing	1
	Weight (KG)	320gm		Weight (KG)	367gm
Size	18"	Size	18"		
	Model No:	HA-021		Model No:	HA-022
	Description			Description	
	20" / 50 cm Flexible Poly Bristle Brush with Alu Handle			20" / 50 cm Flexible Nylon Bristle Brush with Alu Handle	
	Standard Packing	1		Standard Packing	1
	Weight (KG)	-		Weight (KG)	-
Size	20"	Size	20"		
	Model No:	HA-023		Model No:	HA-024
	Description			Description	
	Deluxe Liner VAC head with bumper cast iron weight			Deluxe Large VAC head cast iron weight	
	Standard Packing	1		Standard Packing	1
	Weight (KG)	710gm		Weight (KG)	710gm
Size	14"	Size	14"		
	Model No:	HA-025		Model No:	HA-026
	Description			Description	
	Deluxe Large VAC head cast iron weight with side brush			Vaccum head with 4 wheels, alu body - 14"	
	Standard Packing	1		Standard Packing	1
	Weight (KG)	720gm		Weight (KG)	2.20kgs
Size	14"	Size	14"		
	Model No:	HA-027		Model No:	HA-028
	Description			Description	
	Vaccum head with 4 wheels, alu body - 18"			Suction head with 4 wheels in stainless steel (Available in different Sizes)	
	Standard Packing	1		Standard Packing	1
	Weight (KG)	2.73kgs		Size	300mm, 450mm, 600mm
Size	18"				

## Pool Cleaning Equipments

	Model No:	HA-029		Model No:	HA-030
	Description			Description	
	Flexible vacuum head for in ground pools with 12 wheels			Flexible vacuum head for in ground pools with 8 wheels	
	Standard Packing	1		Standard Packing	1
	Weight (KG)	-		Weight (KG)	1.25kgs
Size	18"	Size	14"		
	Model No:	HA-031		Model No:	HA-032
	Description			Description	
	Vacuum brush with swivel "			Triangular Liner VAC head with swivel	
	Standard Packing	1		Standard Packing	1
	Weight (KG)	-		Weight (KG)	-
Size	18"	Size	14"		
	Model No:	HA-033		Model No:	HA-034
	Description			Description	
	Deluxe Triangular transparent VAC head			Flexible vacuum head with side brush for in ground pool	
	Standard Packing	1		Standard Packing	1
	Weight (KG)	1.3kgs		Weight (KG)	1.1kgs
Size	14"	Size	14"		
	Model No:	HA-035		Model No:	HA-036
	Description			Description	
	Flexible Vacuum Head W/8 W/teel			Vacuum Head W/Air Relief Valve	
	Standard Packing	1		Standard Packing	1
	Weight (KG)	1.1kgs		Weight (KG)	-
Size	14"	Size	14"		
	Model No:	HA-037		Model No:	HA-038
	Description			Description	
	Suction Head			Heavy Duty plastic leaf skimmer with Long wearing Mesh	
	Standard Packing	1		Standard Packing	1
	Material	Stainless Steel		Weight (KG)	-
Size	2feet / 3feet	Series	Deluxe		
	Model No:	HA-039		Model No:	HA-040
	Description			Description	
	Aluminium frame deep rake with blue anodized handle			Aluminium Leaf Skimmer (Blue Handle)	
	Standard Packing	1		Standard Packing	1
	Weight (KG)	-		Weight (KG)	-
Frame	Aluminium	Frame	Aluminium		
	Model No:	HA-041		Model No:	HA-042
	Description			Description	
	Economy deep bag skimmer			Deluxe New Designed Deep Rake, Australian Quality	
	Standard Packing	1		Standard Packing	1
	Weight (KG)	-		Weight (KG)	-
Size(mm)	17x8x14	Mesh	Blue		

# Pool Cleaning Equipments

## Pool Cleaning Equipments

	<table border="1"> <tr><td>Model No:</td><td>HA-043</td></tr> <tr><td colspan="2"><b>Description</b></td></tr> <tr><td colspan="2">Deluxe Pool Leaf Rake Green Color</td></tr> <tr><td>Standard Packing</td><td>1</td></tr> <tr><td>Handle</td><td>Lock Type</td></tr> <tr><td>Mesh</td><td>White</td></tr> </table>	Model No:	HA-043	<b>Description</b>		Deluxe Pool Leaf Rake Green Color		Standard Packing	1	Handle	Lock Type	Mesh	White		<table border="1"> <tr><td>Model No:</td><td>HA-044</td></tr> <tr><td colspan="2"><b>Description</b></td></tr> <tr><td colspan="2">Heavy Duty Deep Rake W/Alu 6608bu/ls 160b/ls 10b</td></tr> <tr><td>Frame</td><td>Alu Golden</td></tr> <tr><td>Weight (KG)</td><td>-</td></tr> <tr><td>Mesh</td><td>Black</td></tr> </table>	Model No:	HA-044	<b>Description</b>		Heavy Duty Deep Rake W/Alu 6608bu/ls 160b/ls 10b		Frame	Alu Golden	Weight (KG)	-	Mesh	Black
Model No:	HA-043																										
<b>Description</b>																											
Deluxe Pool Leaf Rake Green Color																											
Standard Packing	1																										
Handle	Lock Type																										
Mesh	White																										
Model No:	HA-044																										
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Heavy Duty Deep Rake W/Alu 6608bu/ls 160b/ls 10b																											
Frame	Alu Golden																										
Weight (KG)	-																										
Mesh	Black																										
	<table border="1"> <tr><td>Model No:</td><td>HA-045</td></tr> <tr><td colspan="2"><b>Description</b></td></tr> <tr><td colspan="2">Super Professional Heavy Duty Aluminium leaf Skimmers</td></tr> <tr><td>Standard Packing</td><td>1</td></tr> <tr><td>Weight (KG)</td><td>-</td></tr> <tr><td>Color</td><td>Golden Handle</td></tr> </table>	Model No:	HA-045	<b>Description</b>		Super Professional Heavy Duty Aluminium leaf Skimmers		Standard Packing	1	Weight (KG)	-	Color	Golden Handle		<table border="1"> <tr><td>Model No:</td><td>HA-046</td></tr> <tr><td colspan="2"><b>Description</b></td></tr> <tr><td colspan="2">Super Professional Heavy Duty Aluminium leaf Skimmers</td></tr> <tr><td>Standard Packing</td><td>1</td></tr> <tr><td>Weight (KG)</td><td>-</td></tr> <tr><td>Color</td><td>Golden Handle</td></tr> </table>	Model No:	HA-046	<b>Description</b>		Super Professional Heavy Duty Aluminium leaf Skimmers		Standard Packing	1	Weight (KG)	-	Color	Golden Handle
Model No:	HA-045																										
<b>Description</b>																											
Super Professional Heavy Duty Aluminium leaf Skimmers																											
Standard Packing	1																										
Weight (KG)	-																										
Color	Golden Handle																										
Model No:	HA-046																										
<b>Description</b>																											
Super Professional Heavy Duty Aluminium leaf Skimmers																											
Standard Packing	1																										
Weight (KG)	-																										
Color	Golden Handle																										
	<table border="1"> <tr><td>Model No:</td><td>HA-047</td></tr> <tr><td colspan="2"><b>Description</b></td></tr> <tr><td colspan="2">Best Heavy Aluminium Tube Frame Leaf Rake</td></tr> <tr><td>Standard Packing</td><td>1</td></tr> <tr><td>Weight (KG)</td><td>-</td></tr> <tr><td>Color</td><td>Golden Handle</td></tr> </table>	Model No:	HA-047	<b>Description</b>		Best Heavy Aluminium Tube Frame Leaf Rake		Standard Packing	1	Weight (KG)	-	Color	Golden Handle		<table border="1"> <tr><td>Model No:</td><td>HA-048</td></tr> <tr><td colspan="2"><b>Description</b></td></tr> <tr><td colspan="2">Best Heavy Aluminium Tube Frame Leaf Rake</td></tr> <tr><td>Standard Packing</td><td>1</td></tr> <tr><td>Weight (KG)</td><td>-</td></tr> <tr><td>Color</td><td>Golden Handle</td></tr> </table>	Model No:	HA-048	<b>Description</b>		Best Heavy Aluminium Tube Frame Leaf Rake		Standard Packing	1	Weight (KG)	-	Color	Golden Handle
Model No:	HA-047																										
<b>Description</b>																											
Best Heavy Aluminium Tube Frame Leaf Rake																											
Standard Packing	1																										
Weight (KG)	-																										
Color	Golden Handle																										
Model No:	HA-048																										
<b>Description</b>																											
Best Heavy Aluminium Tube Frame Leaf Rake																											
Standard Packing	1																										
Weight (KG)	-																										
Color	Golden Handle																										
	<table border="1"> <tr><td>Model No:</td><td>HA-049</td></tr> <tr><td colspan="2"><b>Description</b></td></tr> <tr><td colspan="2">Heavy Duty Leaf Skimmer</td></tr> <tr><td>Standard Packing</td><td>1</td></tr> <tr><td>Weight (KG)</td><td>-</td></tr> <tr><td>Type</td><td>Flate</td></tr> </table>	Model No:	HA-049	<b>Description</b>		Heavy Duty Leaf Skimmer		Standard Packing	1	Weight (KG)	-	Type	Flate		<table border="1"> <tr><td>Model No:</td><td>HA-050</td></tr> <tr><td colspan="2"><b>Description</b></td></tr> <tr><td colspan="2">Extruded PE Vaccum Hose-15mtr</td></tr> <tr><td>Standard Packing</td><td>1</td></tr> <tr><td>Weight (KG)</td><td>3.00 kgs</td></tr> <tr><td>Quality</td><td>PE</td></tr> </table>	Model No:	HA-050	<b>Description</b>		Extruded PE Vaccum Hose-15mtr		Standard Packing	1	Weight (KG)	3.00 kgs	Quality	PE
Model No:	HA-049																										
<b>Description</b>																											
Heavy Duty Leaf Skimmer																											
Standard Packing	1																										
Weight (KG)	-																										
Type	Flate																										
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Extruded PE Vaccum Hose-15mtr																											
Standard Packing	1																										
Weight (KG)	3.00 kgs																										
Quality	PE																										
	<table border="1"> <tr><td>Model No:</td><td>HA-051</td></tr> <tr><td colspan="2"><b>Description</b></td></tr> <tr><td colspan="2">EVA Spiral Vaccum Hose-15mtr</td></tr> <tr><td>Standard Packing</td><td>1</td></tr> <tr><td>Weight (KG)</td><td>3.200 kg</td></tr> <tr><td>Quality</td><td>EVA</td></tr> </table>	Model No:	HA-051	<b>Description</b>		EVA Spiral Vaccum Hose-15mtr		Standard Packing	1	Weight (KG)	3.200 kg	Quality	EVA		<table border="1"> <tr><td>Model No:</td><td>HA-052</td></tr> <tr><td colspan="2"><b>Description</b></td></tr> <tr><td colspan="2">Hose Reel for Vaccum Hose</td></tr> <tr><td>Standard Packing</td><td>1</td></tr> <tr><td>Weight (KG)</td><td>-</td></tr> <tr><td>Material</td><td>PVC</td></tr> </table>	Model No:	HA-052	<b>Description</b>		Hose Reel for Vaccum Hose		Standard Packing	1	Weight (KG)	-	Material	PVC
Model No:	HA-051																										
<b>Description</b>																											
EVA Spiral Vaccum Hose-15mtr																											
Standard Packing	1																										
Weight (KG)	3.200 kg																										
Quality	EVA																										
Model No:	HA-052																										
<b>Description</b>																											
Hose Reel for Vaccum Hose																											
Standard Packing	1																										
Weight (KG)	-																										
Material	PVC																										
	<table border="1"> <tr><td>Model No:</td><td>HA-053</td></tr> <tr><td colspan="2"><b>Description</b></td></tr> <tr><td colspan="2">Basic PH &amp; CI test Kit</td></tr> <tr><td>Standard Packing</td><td>1</td></tr> <tr><td>Phinol Red</td><td>15ml</td></tr> <tr><td>Orthotodiline</td><td>15ml</td></tr> </table>	Model No:	HA-053	<b>Description</b>		Basic PH & CI test Kit		Standard Packing	1	Phinol Red	15ml	Orthotodiline	15ml		<table border="1"> <tr><td>Model No:</td><td>HA-054</td></tr> <tr><td colspan="2"><b>Description</b></td></tr> <tr><td colspan="2">2.4m Ribbed Pole/Telescopic Pole-1.1mm Thickness/Blue/Silver</td></tr> <tr><td>Standard Packing</td><td>1</td></tr> <tr><td>Weight (KG)</td><td>-</td></tr> <tr><td>Size(m)</td><td>(2 X 1.2)</td></tr> </table>	Model No:	HA-054	<b>Description</b>		2.4m Ribbed Pole/Telescopic Pole-1.1mm Thickness/Blue/Silver		Standard Packing	1	Weight (KG)	-	Size(m)	(2 X 1.2)
Model No:	HA-053																										
<b>Description</b>																											
Basic PH & CI test Kit																											
Standard Packing	1																										
Phinol Red	15ml																										
Orthotodiline	15ml																										
Model No:	HA-054																										
<b>Description</b>																											
2.4m Ribbed Pole/Telescopic Pole-1.1mm Thickness/Blue/Silver																											
Standard Packing	1																										
Weight (KG)	-																										
Size(m)	(2 X 1.2)																										
	<table border="1"> <tr><td>Model No:</td><td>HA-055</td></tr> <tr><td colspan="2"><b>Description</b></td></tr> <tr><td colspan="2">4.8m Ribbed Pole/Telescopic Pole-1.1mm Thickness/Blue/Silver</td></tr> <tr><td>Standard Packing</td><td>1</td></tr> <tr><td>Weight (KG)</td><td>-</td></tr> <tr><td>Size(m)</td><td>2 X 2.4</td></tr> </table>	Model No:	HA-055	<b>Description</b>		4.8m Ribbed Pole/Telescopic Pole-1.1mm Thickness/Blue/Silver		Standard Packing	1	Weight (KG)	-	Size(m)	2 X 2.4		<table border="1"> <tr><td>Model No:</td><td>HA-056</td></tr> <tr><td colspan="2"><b>Description</b></td></tr> <tr><td colspan="2">Ribbed Pole/Telescopic Pole 7.2m Thickness/Blue/Silver</td></tr> <tr><td>Standard Packing</td><td>1</td></tr> <tr><td>Weight (KG)</td><td>-</td></tr> <tr><td>Size(m)</td><td>2 X 3.6</td></tr> </table>	Model No:	HA-056	<b>Description</b>		Ribbed Pole/Telescopic Pole 7.2m Thickness/Blue/Silver		Standard Packing	1	Weight (KG)	-	Size(m)	2 X 3.6
Model No:	HA-055																										
<b>Description</b>																											
4.8m Ribbed Pole/Telescopic Pole-1.1mm Thickness/Blue/Silver																											
Standard Packing	1																										
Weight (KG)	-																										
Size(m)	2 X 2.4																										
Model No:	HA-056																										
<b>Description</b>																											
Ribbed Pole/Telescopic Pole 7.2m Thickness/Blue/Silver																											
Standard Packing	1																										
Weight (KG)	-																										
Size(m)	2 X 3.6																										

## Automatic Pool Cleaner / Robotic Pool Cleaner



Aqua Clean Robotic Cleaner utilizes Aqua Smart system technology which drives the cleaner to efficiently clean the entire pool every time. Residential pools up to 860 ft.<sup>2</sup> are thoroughly scrubbed, cleaned and filtered in just 90 minutes.

- Cleans all surface types
- Climbs wall and obstacles
- Scrubs waterline
- PVA brushes for superior grip
- No installation required
- Low maintenance
- Clean filter bag indicator (115V model only)
- Convenient caddy option available
- Pump motor - 24V - DC high speed submersible
- Drive motor - 24V - DC high speed submersible

## Automatic Swimming Pool Accessories Cleaning Robot Vacuum Cleaner

- Cleaning:
- Cleans, vacuums and stores wastes and dirt thanks to its great filter bag
  - Easy to clean
  - Optimized cleaning time for floor / wall / water line

### Remote control:

- Can be started or stopped remotely
- Anti-jamming side domes:
- Side domes allow the cleaning of hard to reach corners
- Prevent the robot from getting stuck in certain angles and any contact between the body and the liner



Kwadoo



ICH Robot



Kreepy Krauly Pool Cleaner



# Lighting

## Under Water Lights - Swimming Pool | Fountain

	<table border="1"> <tr><td>Model No:</td><td>HA-057</td></tr> <tr><td colspan="2"><b>Led Under Water Light (ABS)</b></td></tr> <tr><td colspan="2">Diameter-250mm</td></tr> <tr><td colspan="2">Material-ABS, Thickness-68mm</td></tr> <tr><td colspan="2">IP - 68, Surface Mount</td></tr> <tr><td colspan="2">High Quality Electrical Cable 1m</td></tr> <tr><td colspan="2">Volts/Walts: 12V/10W/20W</td></tr> <tr><td colspan="2">Led Color: Warm/Cool White/Blue/RGB</td></tr> </table>	Model No:	HA-057	<b>Led Under Water Light (ABS)</b>		Diameter-250mm		Material-ABS, Thickness-68mm		IP - 68, Surface Mount		High Quality Electrical Cable 1m		Volts/Walts: 12V/10W/20W		Led Color: Warm/Cool White/Blue/RGB			<table border="1"> <tr><td>Model No:</td><td>HA-058</td></tr> <tr><td colspan="2"><b>Under Water Light (Halogen)</b></td></tr> <tr><td colspan="2">ABS Under Water Light (Halogen)</td></tr> <tr><td colspan="2">Diameter-290mm</td></tr> <tr><td colspan="2">IP-68</td></tr> <tr><td colspan="2">Volts/Walts: 12V/100W</td></tr> <tr><td colspan="2">Light Color: Warm White</td></tr> </table>	Model No:	HA-058	<b>Under Water Light (Halogen)</b>		ABS Under Water Light (Halogen)		Diameter-290mm		IP-68		Volts/Walts: 12V/100W		Light Color: Warm White			
Model No:	HA-057																																		
<b>Led Under Water Light (ABS)</b>																																			
Diameter-250mm																																			
Material-ABS, Thickness-68mm																																			
IP - 68, Surface Mount																																			
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ABS Under Water Light (Halogen)																																			
Diameter-290mm																																			
IP-68																																			
Volts/Walts: 12V/100W																																			
Light Color: Warm White																																			
	<table border="1"> <tr><td>Model No:</td><td>HA-059</td></tr> <tr><td colspan="2"><b>Led Under Water Light (SS)</b></td></tr> <tr><td colspan="2">Diameter-240mm</td></tr> <tr><td colspan="2">Material-SS 304, Thickness-62mm</td></tr> <tr><td colspan="2">IP-68, Surface Mount</td></tr> <tr><td colspan="2">High Quality Electrical Cable 1m</td></tr> <tr><td colspan="2">Volts/Walts: 12V/10/20W</td></tr> <tr><td colspan="2">Led Color: Warm/Cool White/RGB/Blue</td></tr> </table>	Model No:	HA-059	<b>Led Under Water Light (SS)</b>		Diameter-240mm		Material-SS 304, Thickness-62mm		IP-68, Surface Mount		High Quality Electrical Cable 1m		Volts/Walts: 12V/10/20W		Led Color: Warm/Cool White/RGB/Blue			<table border="1"> <tr><td>Model No:</td><td>HA-060</td></tr> <tr><td colspan="2"><b>Under Water Light (LED)</b></td></tr> <tr><td colspan="2">ABS Under Water Light (LED)</td></tr> <tr><td colspan="2">Diameter-290mm</td></tr> <tr><td colspan="2">IP-68</td></tr> <tr><td colspan="2">Volts/Walts: 12V/10W/18W/20W</td></tr> <tr><td colspan="2">Led Color: Warm/Cool White/RGB</td></tr> </table>	Model No:	HA-060	<b>Under Water Light (LED)</b>		ABS Under Water Light (LED)		Diameter-290mm		IP-68		Volts/Walts: 12V/10W/18W/20W		Led Color: Warm/Cool White/RGB			
Model No:	HA-059																																		
<b>Led Under Water Light (SS)</b>																																			
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## Under Water Light - Swimming Pool | Fountain

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Model No:	HA-079																						
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Led Controller for RGB Multicolor Light Input Voltage-AC 220V Output Voltage-DC 12V																							
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<b>LED Controller</b>																							
Power Supply available in 2A, 5A, 10A, 12.5A, 15A, 20A																							
Volts: 12V-DC																							

# Lighting

## Under Water Lights - Swimming Pool | Fountain

	Model No:
	HA-085
	Plastic Flower Candle
	Color: Blue, Red, Green, Pink and more

	Model No:
	HA-086
	Led Flower Pool Light-

## Stainless Steel Underwater LED Light



Wire for main supply cable 2 core/3 Core/ 4 core x 2.5sq.mm. high temperature soft cable length 2meter wire for IP68 connect safety  
6 mm clear toughened extra glass  
Lights available in Stainless Steel SS 304 grade in electro polished finish as needed  
Light angle - 15, 25, 35, 45, 60.  
Suitable for fountains and installed underwater use only.

Model No.	Description	Watt	Volt	Lamp
HA-087	Stainless Steel Hi-Power LED Light, Red, Green, Blue, Warm White, Cool White, Amber & RGB color options	9x1W 9x3W	12VDC	LED

## Stainless Steel Underwater LED Light



Wire for main supply cable 2 core/3 Core/ 4 core x 2.5sq.mm. high temperature soft cable length 2meter wire for IP68 connect safety  
6 mm clear toughened extra glass  
Lights available in Stainless Steel SS 304 grade in electro polished finish as needed  
Light angle - 15, 25, 35, 45, 60.  
Suitable for swimming pool and fountains and installed underwater use only.

Model No.	Description	Watt	Volt	Lamp
HA-088	Stainless Steel Hi-Power LED Light with 15, 30, 45 Lens, RGB - Multi color options.	9x1W 9x3W	12VDC	LED

## Stainless Steel Underwater LED Light



Wire for main supply cable 2 core /3 Core/ 4 core x 2.5sq.mm. high temperature soft cable length 2meter wire for IP68 connect safety  
5 mm clear toughened extra glass  
Lights available in Stainless Steel SS 304 grade in electro polished finish  
Light angle - 15, 25, 35, 45, 60 & 90.  
Suitable for indoor-outdoor fountains and waterbody

Model; No.	Description	Watt	Volt	Lamp
HA-089	Stainless Steel Hi-Power LED Light, RGB - Multi Color	6x1W 6x3W	12VDC	LED



# Counter Current & Suction Sweepers

## Counter Flow System Pump



Single-stage centrifugal pumps with complete drainage device. Inbuilt counterflow system.

This jet streams is ready for easy installation. It is possible to regulate the jet strength adjustable. The nozzle, suction and pneumatic switch are positioned in the front cover panel of the equipment complete counter-flow system includes.

Counterflow nozzle 40mm (regulation water-air)

Front wall lead-through Pump

Electroneumatic switch with safety element

PVC fitting

Available 3HP/2.2KW, 4HP/3KW, 5.5HP/4KW

## Swim Jet 3000



- Jet Swim house made of stainless steel, front and handle made of polished acid-proof stainless steel AISI 304. For mounting in concrete, wood or building block walls.
- Pump power: 3KW
- Control box including contractor and overhead protection
- Air mixture control
- Air mixture hose
- Hose connectors
- Hose clamps
- Hose for suction and pressure
- Valves



### Technical Characteristics

Model	Power (KW)	Voltage	Connection Size	Water Capacity (L/Min)	Jet Material
HSJET-3000	3	220/380	75	70	Bronze Stainless Steel

## Suction Sweeper Machine Complete Unit



HA-090

We offer our clients with a qualitative range of Swimming Pool Suction Sweeper Set. Being in accordance with the required industry standards, these machines are widely used in various swimming pools. These are also stringently checked on various parameters to ensure its durability and longer functional life. Moreover, these are acclaimed by our clients for features such as:

- ✘ Motor Pump 1HP | 1.5HP | 2HP | 3HP
- ✘ Electrical Wire 20 Mtr.
- ✘ On/Off Starter
- ✘ SS Trolley
- ✘ Easy for Operation
- ✘ Prefilter Basket



HA-091

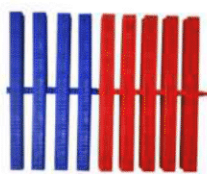
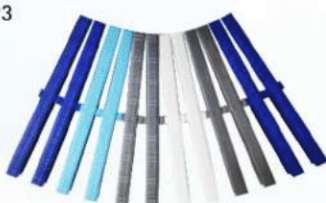



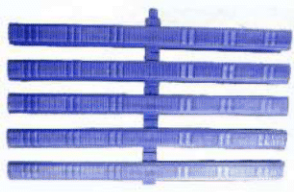
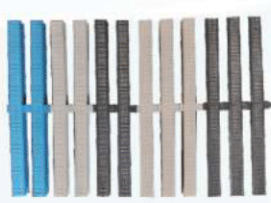
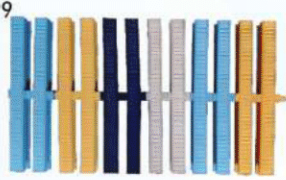

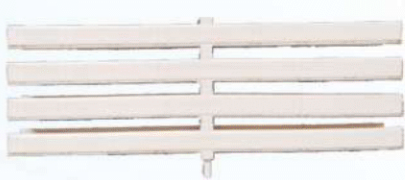
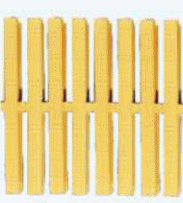

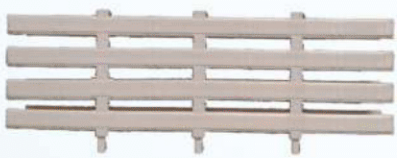

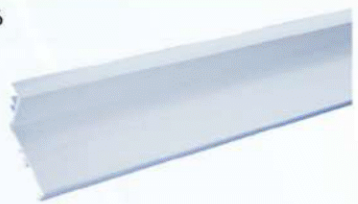
SS Trolley

# Swimming Pool Gratings

Swimming Pool Overflow Grating-Single | Double | Triple Lock System

## Grating Features:

1. Manufactured in Polypropylene + Co-Polymer with UV Protected
2. Different lock system to match pool shape
3. Heavy Duty with Non Slip Surface.
4. Weather Proof
5. Colours Available- White, Blue, Black & All As per customers's demand.
6. Height: 24mm, 35mm

<p>HA-092</p>  <p>Blue/Red (300mmX24mm)</p>	<p>HA-093</p>  <p>Blue/Sky Blue/Black/White (300mmX24mm)</p>	<p>HA-094</p>  <p>Sky Blue/White/Black (300mmX24mm)</p>
<p>HA-095</p>  <p>Sky Blue/Yellow/Blue/White (300mmX24mm)</p>	<p>HA-096</p>  <p>Black (300mmX24mm)</p>	<p>HA-097</p>  <p>Blue (300mmX24mm)</p>
<p>HA-098</p>  <p>Sky Blue/White/Black (300mmX24mm)</p>	<p>HA-099</p>  <p>Sky Blue/Yellow/Blue/White (250mmX24mm)</p>	<p>HA-100</p>  <p>White (250mmX24mm)</p>
<p>HA-101</p>  <p>White (300mmX24mm)</p>	<p>HA-102</p>  <p>Yellow (300mmX24mm)</p>	<p>HA-103</p>  <p>White (250mm/300mmX35mm)</p>
<p>HA-104</p>  <p>White (300mm/350mm/400mmX24mm)</p>	<p>HA-105</p>  <p>Red (300mm/350mm/400mmX24mm)</p>	<p>HA-106</p>  <p>Grating Support Profile</p>

# Swimming Pool Ladders

## HOF Series Ladders



Halbert Pool Ladders are made with high quality grade SS 304, stainless steel 38/42mm tube for reliability and durability complete with anchoring fixtures.

CODE	Trades	A	B	C	D	E	F	G	H
HOF-215	2	510	700	250	1450	230	460	760	685
HOF-315	3	510	700	250	1700	230	460	760	685
HOF-415	4	510	700	250	1950	230	460	760	685
HOF-515	5	510	700	250	2200	230	460	760	685

## HLT Series Ladders



Halbert Pool Ladders are made with high quality grade SS 304, stainless steel 38/42mm tube for reliability and durability complete with anchoring fixtures.

CODE	Trades	A	B	C	D	E	F	G	H
HLT-215	2	180	710	250	1450	230	460	565	340
HLT-315	3	180	710	250	1700	230	460	565	340
HLT-415	4	180	710	250	1950	230	460	565	340
HLT-515	5	180	710	250	2200	230	460	565	340

## Ladders Fitting and Accessories



HU Series Ladder



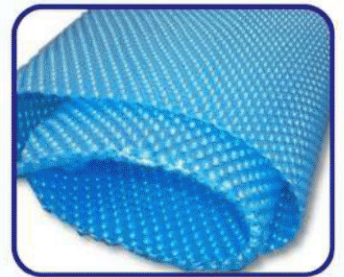
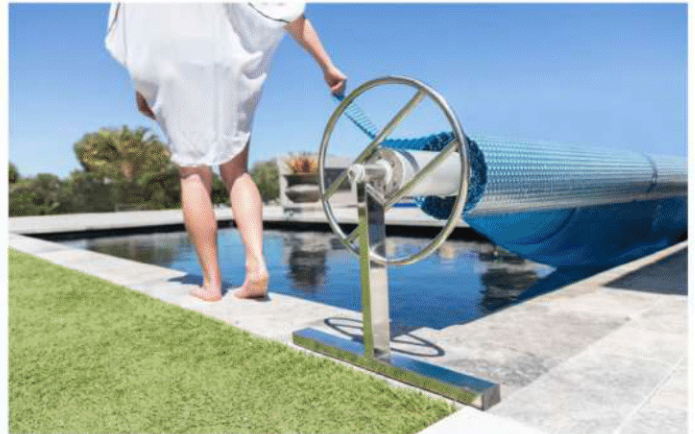
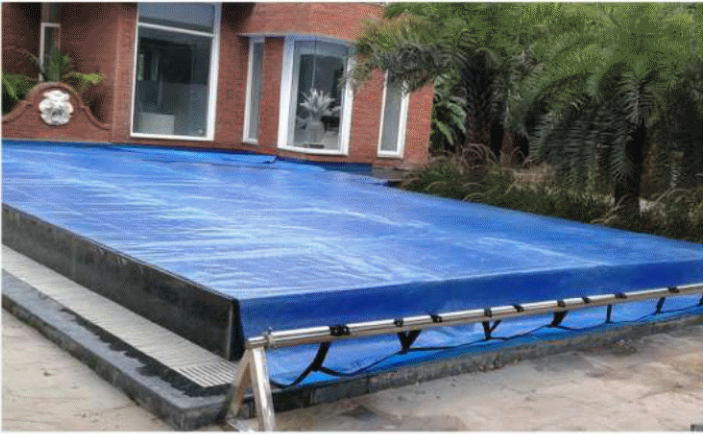
Ladder Steps



Anchor & Fittings

# Pool Cover

## Swimming Pool Cover



### Pool Cover Benefits:-

- Besides offering energy savings, pool covers also do the following:
- Conserve water by reducing the amount of make-up water needed by 30%–50%
- Reduce the pool's chemical consumption by 35%–60%
- Reduce cleaning time by keeping dirt and other debris out of the pool.
- You can significantly reduce swimming pool heating costs by using a pool cover

### Specification:-

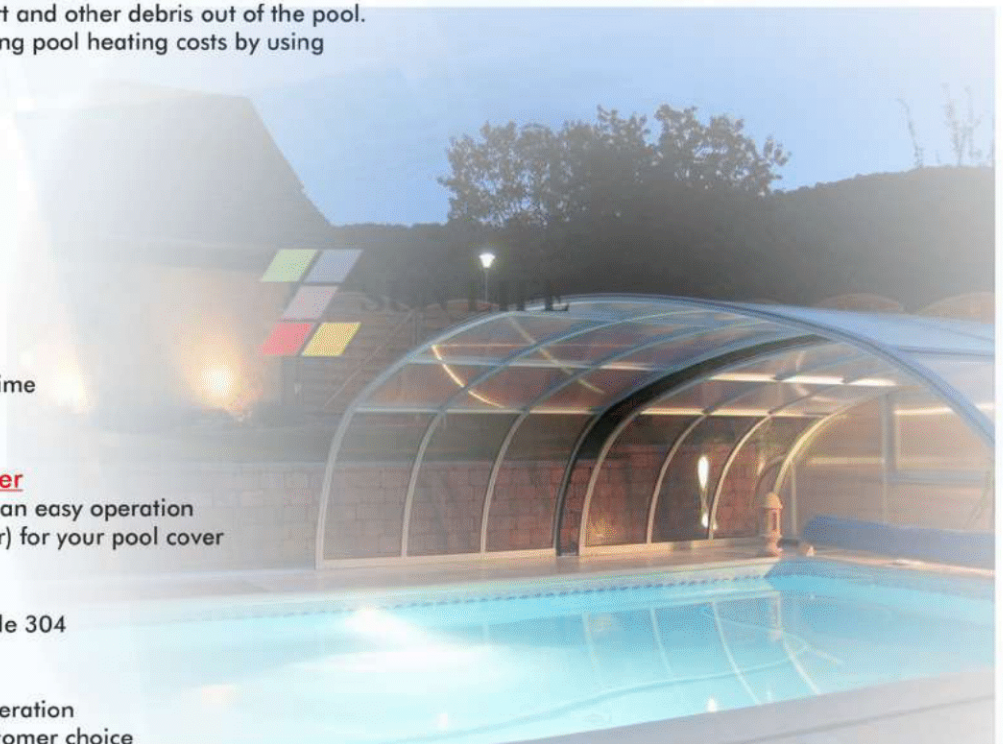
- Material LDPE
- Bubble diameter 8- 12 mm
- Thickness 400 – 600 micron
- Available in every shape and size
- UV and Chemical resistant
- Strong and heavy duty border
- Heat welded to any shape and size
- Durable and water proof
- Save Water chemical and valuable time
- Long life
- Easy Installation

### Pool Cover Reel /Pool Cover Roller

Swimming Pool Cover Reel make it an easy operation if you install a Reel(Pool Cover Roller) for your pool cover

### Technical Specifications

- Stainless steel stands and tube grade 304
- Well Polished
- Heavy duty tubing
- Bearings per side insure smooth operation
- Every sizes are available as per customer choice
- Superior control of pool Cover handling procedure



## Jacuzzi Bath Fitting

	Model No:	HA-107		Model No:	HA-108
	Standard Jet (Smooth Face)			Jacuzzi Jet/Spa Jet	
	Color: White			Color: White	
	Material : ABS			Material : ABS	
		Size:50mm X 50mm			
	Model No:	HA-109		Model No:	HA-110
	Jacuzzi Jet/Spa Jet with SS face cover			Pneumatic Switch	
	Color: White			Color: Black/White	
	Material : ABS			Material : ABS	
		Size:50mm X 50mm			
	Model No:	HA-111		Model No:	HA-112
	Heavy Duty Vortex Air Blower			Multi Hole Air Bubble Jet	
	1HP/XB750, 1.5HP/XB1100 2HP/XB1500, 3HP/XB2200			Size: 20mm	
	Material: Aluminium			Color: White	
		Material: ABS			
	Model No:	HA-113		Model No:	HA-114
	Nine Hole Jet			SS Air Controller	
	Size: 27mm			Size: -	
	Color: White			Color: White	
		Material: ABS			
	Model No:	HA-115		Model No:	HA-116
	Air Controller			Push / Air Button	
	Size: ID-33mm, OD-42mm			Size: 35mm	
	Color: White/Chrome			Color: White/Chrome	
		Material: ABS			
	Model No:	HA-117		Model No:	HA-118
	Gutter Drain			Standard Air Controller (Threaded)	
	Size: 1.5"/2"			Size: 1.5"	
	Color: White			Color: White	
		Material: ABS			
	Model No:	HA-119		Model No:	HA-120
	Pneumatic Tube/Hose Pipe			Air Blower	
	Color: Transparent			Power - 300w, 400w, 900w	
	Material: PU			Color: Black	
		Material: ABS			

# Spa & Bath Fittings

## Jacuzzi and Bath Tub





## Spa & Bath Fittings

### Jacuzzi & Bath Tub

The health benefits of hydrotherapy, as has been proven internationally over decades are unsurpassed. Sportsmen can identify, the need for rapid recovery and hydrotherapy accelerates healing of injuries and hard exercise tissues. Long-term bed patients with circulatory problems benefit most through stimulating the body cells. Lymphatic fluid reaches the cells more quickly which means that minerals and vitamins from food reaches the destination sooner. The removal of waste products and toxins is accelerated.

There is another side to hydrotherapy which cannot be evaluated scientifically and that concerns the effort on the mind. The care of the day and tensions float away leaving the wonderful feeling of wellbeing. The luxurious swirling, warm water holds you captive, helps build relationships, encourages togetherness and forces you to relax.



# Sauna & Steam

## Spa and Health

### Steam Room

World Class Health Treatment at any movement at your home/office. A steam room, unlike a sauna is a moist environment. Avoid using construction materials which are subject to corrosion. The temperature inside the steam room is an average of 115 - 125F. A steam room are made of water proof material all inside surface of the steam room is must be completely sealed and the ideal height of steam room is approx. 7 feet.



HA-129

### Steam Generator

Steam Generator Standard Features & Advantage:-

Stainless steel reservoir.

Heavy duty heating element.

Electronic water-level control system.

Safety valve for extra precaution.

Built-in low voltage protector.

Available in 4Kw, 6Kw, 7.5Kw, 8Kw, 9Kw, 10Kw, 12Kw, 13.5Kw, 15Kw, 16.5Kw, 18Kw., 19.5Kw, 21Kw & 21.5Kw, 22Kw.

### Sauna Heater

Features and Advantages:-

Stainless steel outer casing of the heater.

Operating Switches are placed on the upper part on the side of the heater.

Sauna heater is suitable for dry or wet saunas.

Heavy duty electrical elements and long durability.

Easy to install

Fast warm - up due to vented body design.

**Benefits:-**

Relieves congestion.

Relaxes from overworked muscles.

Deeply clean and moisturizes the skin.

Detox your body.

It makes you feel mentally/physically relaxed



HA-130

### Sauna Room & Accessories

A sauna is a small size of room can be heated at very high temperature, with well control humidity. The health benefit and therapeutic value saunas provide have been known for countries. Halbert offers arange of saunas to help relax and improve overall health as well as promote well being. Saunas are also used for recreational purpose. Standard residential sauna sizes are- 5'x7' & 6'x7'. Top bench should be 7' long.



## Domestic Heat Pump



- Patented high-performance titanium exchanger has more stable performance and greatly resist erosion of chlorine ion water, solid and durable.
- Exterior is anti-UV plastic ABS corrosion resistant casing material with injection model or normal plastic model.
- By using high-heat exchanger technology, 65-80% of running cost can be saved compared with other heating machines. It consumes 1kw to produce about 5.5kw heating capacity, possessing high COP.
- Heating and cooling with reversible defrosting.
- Remote and intelligent controller design with Celsius of fahrenheit temperature display for options.
- LCD or colorful LED controller for options
- Super power failure memory.
- Flow switch built-in to avoid the low level water or devoid of water.
- Advanced technology to mute noise from compressors and fans.

Code			HHPD4.5	HHPD9.5	HHPD12.5	HHPD17	HHPD21	HHPD26	HHPD31	
Measuring Conditions A 24°C W 26°C	Heating Capacity	KW	4.5	9.5	12.5	17	21	26	31	
	Input Power	KW	0.85	1.73	2.36	2.83	3.5	4.56	5.64	
	Running Content	A	3.86	7.85	10.72	12.88	5.83	7.6	9.39	
		COP	5.3	5.5	5.3	6	6	5.7	5.5	
Measuring Conditions A 15°C W 26°C	Heating Capacity	KW	3.6	7.6	10	13.6	16.8	21	26.5	
	Input Power	KW	0.82	1.65	2.27	2.83	3.36	4.57	5.76	
	Running Capacity	A	3.72	7.51	10.33	12.88	5.6	7.61	9.6	
		COP	4.4	4.6	4.4	4.8	5	4.6	4.6	
Measuring Conditions A 7°C W 26°C	Heating Capacity	KW	3	6.5	8.6	11.5	14.5	17	23.3	
	Input Power	KW	0.88	1.71	2.39	3.03	3.63	4.47	6.13	
	Running Capacity	A	4.01	7.78	10.86	13.76	6.04	7.46	10.22	
		COP	3.4	3.8	3.6	3.8	4	3.8	3.8	
Power Supply	V/PH/HZ	220-240V/1PH/50HZ					380-400V/3PH/50HZ			
Max Height Input	KW	1.06	2.16	2.95	3.54	4.38	5.7	7.05		
Max Heating Current	A	4.82	9.81	13.4	16.1	7.29	9.5	11.74		
Max Cooling Input	KW	1.29	2.51	3.44	4.58	5.88	6.82	8.93		
Max Cooling Current	A	5.87	11.4	15.65	20.83	9.8	11.37	14.89		
Controller		LED/LCD								
Condenser		Titanium Coil								
Quality of Compressor		1	1	1	1	1	1	1	1	
Compressor		Rotary				Scroll				
Quality of Fan		1	1	1	1	1	2	2		
Input Power of Fan	W	71	122	122	122	230	230x2	230x2		
Fan Speed	RPM	850	830	830	830	830	850	859		
Noise	dB(A)(imtr)	50	54	55	56	56	57	58		
Water Connection	inch	1-1/2	1-1/2	1-1/2	1-1/2	1-1/2	1-1/2	1-1/2		
Water Flow Rate	m³/h	3	6	7	10	12	15	18		
Water Pressure Drop	kpa	10	12	12	14	16	16	18		
Net Dimension	L	mm	778	1015	1015	1078	1078	1078	1078	
	W	mm	293	370	370	416	416	416	416	
	H	mm	511	621	621	708	958	1258	1258	
Packing Dimension	L	mm	875	1140	1140	1150	1150	1150	1150	
	W	mm	328	400	400	450	475	475	475	
	H	mm	545	676	676	838	1088	1388	1388	
Weight	Net Weight	kg	41	60	64	85	105	140	145	
	Gross Weight	kg	46	67	71	93	118	152	157	
Function	HT800-33"	Heating & Cooling with reversible defrosting								

# Heating

## Commercial Heat Pump



- Patented high-performance titanium exchanger has more stable performance and greatly resist erosion of chlorine ion water, solid and durable.
- Exterior is anti-UV plastic ABS corrosion resistant casing material with injection model or normal plastic model.
- By using high-heat exchanger technology, 65-80% of running cost can be saved compared with other heating machines. It consumes 1kw to produce about 5.5kw heating capacity, possessing high COP.
- Heating and cooling with reversible defrosting.
- Remote and intelligent controller design with Celsius of fahrenheit temperature display for options.
- LCD or colorful LED controller for options
- Super power failure memory.
- Flow switch built-in to avoid the low level water or devoid of water.
- Advanced technology to mute noise from compressors and fans.

Code			HHPC45	HHPC55	HHPC90	HHPC135
Measuring Conditions A 24°C W 26°C	Heating Capacity	KW	45	55	90	135
	Input Power	KW	8.9	9.8	16.7	24.5
	Running Content	A	14.8	16.3	29.9	87.7
Measuring Conditions A 15°C W 26°C		COP	5.1	5.1	5.4	5.5
	Heating Capacity	KW	37.5	45.8	75.0	112.5
	Input Power	KW	9.2	10.1	17.2	25.3
	Running Capacity	A	15.3	16.8	30.8	90.4
Measuring Conditions A 7°C W 26°C		COP	4.3	4.3	4.5	4.6
	Heating Capacity	KW	31.3	38.2	62.5	93.8
	Input Power	KW	9.5	10.4	17.7	26.0
	Running Capacity	A	15.7	17.3	31.8	93.2
		COP	3.5	3.5	3.8	3.8
Max Height Input		KW	11.4	14	22.5	34.5
Max Heating Current		A	20.4	25.1	40.2	61.6
Power Supply		V/PH/HZ	380-400V/3PH/50HZ			
Controller			LED/LCD			
Condenser			Titanium Coil			
Quality of Compressor			2	2	3	4
Compressor			Scroll			
Noise		dB(A)(imtr)	60	60	62	65
Water Connection		inch	2	2	2½	3
Water Flow Rate		m³/h	24	24	52	77
Net Dimension	L	mm	1448	1448	2150	2000
	W	mm	730	730	760	900
	H	mm	1060	1060	1330	1820
Packing Dimension	L	mm	1630	1630	2275	2150
	W	mm	810	810	900	1020
	H	mm	1180	1180	1500	2080
Weight	Net Weight	kg	260	260	510	850
	Gross Weight	kg	290	290	570	920
Function	HT800-33"		Heating & Cooling with reversible defrosting			

## Pool Heating System - Online Heater

- Fully equipped
- Easy Installation
- Robust, durable construction
- Analogue control with 1C Differential
- Incoloy 825 or Titanium heating elements
- 316 Stainless Steel or Titanium flow tube
- Ultra-reliable flow switch allows safe operation as low as 1,000 ltr/h
- May be floor or wall mounted using swivel foot
- Control thermostat and safety thermal cut out (manual reset)
- 3 years conditional warranty



HA-131

230V 1 Phase Power Output	Load	Stainless Steel Flow Tube With Incoloy 825 Elements Product Code	Stainless Steel Flow Tube With Titanium Elements Product Code	Titanium Flow Tube with Titanium Elements Products Code	Dimension `L`
3-KW	13-Amp	803	8T83	T83	462-mm
4.5-KW	20-Amp	804	8T84	T84	462-mm
6-KW	27-Amp	806	8T86	T86	462-mm
9-KW	40-Amp	809	8T89	T89	462-mm
12-KW	57-Amp	80A	8T8A	T8A	462-mm
15-KW	66-Amp	80B	8T8B	T8B	592-mm
18-KW	79-Amp	80C	8T8C	T8C	592-mm

400V 3 Phase Power Output	Load	Stainless Steel Flow Tube With Incoloy 825 Elements Product Code	Stainless Steel Flow Tube With Titanium Elements Product Code	Titanium Flow Tube with Titanium Elements Products Code	Dimension `L`
6-KW	9-Amp	836V	8T36V	T36V	592-mm
9-KW	13-Amp	839V	8T39V	T39V	592-mm
12-KW	18-Amp	83AV	8T3AV	T3AV	592-mm
15-KW	22-Amp	83B	8T3A	T3B	592-mm
18-KW	26-Amp	83C	8T3B	T3C	592-mm
24-KW	35-Amp	83D	8T3C	T3D	592-mm

230V 3 Phase Power Output	Load	Stainless Steel Flow Tube With Incoloy 825 Elements Product Code	Stainless Steel Flow Tube With Titanium Elements Product Code	Titanium Flow Tube with Titanium Elements Products Code	Dimension `L`
6-KW	15-Amp	836-DELTA	8T36-DELTA	T36-DELTA	592-mm
9-KW	23-Amp	839-DELTA	8T39-DELTA	T39-DELTA	592-mm
12-KW	30-Amp	83A-DELTA	8T3A-DELTA	T3A-DELTA	592-mm
15-KW	38-Amp	83B-DELTA	8T3B-DELTA	T3B-DELTA	592-mm
18-KW	46-Amp	83C-DELTA	8T3C-DELTA	T3C-DELTA	592-mm

# Heating & Ozone Generator

## Pool Heating System

The Halbert Spa Heaters are intended for use small pools, jacuzzi and spa system. It will maintained the water at any relaxing and an enjoyable temperature.

### Features:-

1. Digital Control Panel.
2. Powder Coated/ Stainless Steel Cabinet.
3. Ip36 Water Proofing, 3 Phase.
4. User Friendly.
5. Easy Installation.
6. Easy Servicing.
7. Suitable for small pools jacuzzi and spas.
8. Shut down automatically.
9. Can be set at desired temperature.

Available :

6kw	7.5kw	9kw	10.5kw	12kw	15kw	18kw	24kw	36kw	42kw	60kw
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## Ozone Generator



HA-135

Ozone Generator is mainly used in medicine, water, pure water, mineral water, secondary water supply, swimming pool, aquaculture water, food and beverage industries such as water disinfection essence processing, and chemical industry, papermaking industry such as degreasing, bleaching, bleachin for life, industry, hospital sewage treatment (sterilization, remove BOD, COD, etc.), as well as the life sewage, industrial cooling water reuse treatment, etc.

Voltage	380V
Frequency	50 Hz
Power Source	Electric
Automation Grade	Automatic
Brand	Halbert
Material	SS

Range from 1 gm/hr to 5kg/ hr

Benefits.

- Which do not cause skin irritation and red eye.
- 100 % chemical free pool
- No eye and skin irritation
- Crystal clear water
- Effective in broad spectrum disinfections

## Water Treatment - Chemical



HA-136

TCCA - 90  
Trichloroisocyanuric Acid  
TCCA - 90 is available in Granular, Tablets, Powder form.  
Packing -25kgs, 50kgs.  
Effective Chlorine 90%.  
Moisture 0.5% Max.  
Long duration of Sterlizing effect.



HA-137

## Extra Power Pool Cleaner | PH Meter



HA-138

### Algaecide

Algaecide is biocide used fro killing and preventing the growth of algae, bacteria, germs, black / green algae. Can be used as a spray or directly into the water column.

Promotes Water Clarity



HA-139

PH Meter

## Water Testing Equipment



HA-140

Hardness Kit



HA-053

Basic PH & Cl Test Kit



HA-141

Thermometer

# Water Treatment

## Floating Dispenser



### Features:

Floating Chemical Dispenser  
Twist lock cap and adjustable ring

### Uses:

for chlorination in tablet form.



## Halbert-Inline Chemical Dispenser/Chlorine Feeder

### Features:-

- No Special venting required
- Completely enclosed-no escaping gases.
- Positive external no-clog control valve.
- Feeder is designed to automatically lower the water level so tablets are not soaking during off period of pump. This allows more efficient use of tablets.
- Size Available: 4.5LB- 2kgs / 9LB - 4kgs.



## Halbert Electronic Dosing Pumps



### Salient Features:-

- Liquid Head & Housing
- An all plastic housing is resistant to corrosive chemical agents.
- Head & Valves etc. all are made of chemical resistant.

### Solenoid:-

- High quality, not rated solenoid is designed to dissipate capacities & pressure do not derate even or over extended use.

### Specification:-

- Dosing Flow Rate: 0-4/0-6/0-8/0-10/0-15/0-20 LPH & 40LPH OPEN TALK
- Dosing Pressure: 10/8/4/3/3 kg/cm sq.
- Strokes/Minutes: Max135 Min:15

## UVA 80w - 240w



HA-147

Water treatment capacity: 10T/H  
 Size: 980x110x270mm  
 Working Pressure: 0.8 Mpa  
 Voltage : 220v/50Hz  
 Power : 80w - 240w  
 Caliber : DN40 (external thread)  
 99.9% Bactericidal rate  
 99.9% sterilization rate



## UVF 360w - 2160w

Water treatment capacity : 40T/H  
 Size : 1280x165x470mm  
 Working Pressure: 0.8 Mpa  
 Voltage : 220v/50Hz  
 Power : 360w - 2160w  
 Caliber : DN80 (external thread)  
 99.9% Bactericidal rate  
 99.9% sterilization rate



HA-148

## Blue Lagoon UV-C Amalgam



HA-149

Advantages of the Blue Lagoon Spa UV-C Mode in the Netherlands  
 Electronic pre-selector to ensure a smooth power supply  
 Up to 35% more UV-C yield as a result reflection  
 Includes a powerful 130 Watt UV-C amalgam lamp  
 316L stainless steel housing  
 Easy installation and maintenance  
 Earthed • 63mm to 50mm adapters included in delivery  
 Has a flow switch that switches the lamp off as soon as no water flow -through is detected.

# Water Treatment

## Blue Lagoon UV-C Timer

- Advantages of the Blue Lagoon UV-C Timer
- Mode in the Netherlands
- Built-in electronic pre-selector to ensure a smooth power supply
- Up to 35% more UV-C yield as a result reflection
- Includes a Phillips UV-C lamp
- Integrated adjustable time meter for the UV-C lamp
- Digital indication when the lamp needs replacing
- 316L stainless steel housing
- Easy installation and maintenance
- Earthed
- 63mm to 50mm adapters included in delivery



HA-150

## Blue Lagoon UV-C Timer+

- Advantages of the Blue Lagoon UV-C Timer
- Mode in the Netherlands
- Built-in electronic pre-selector to ensure a smooth power supply
- Up to 35% more UV-C yield as a result reflection
- Includes a Phillips UV-C lamp
- Integrated adjustable time meter for the UV-C lamp
- Digital indication when the lamp needs replacing
- Integrated dosing pump, dosage of up to 60 cc an hour
- 316L stainless steel housing
- Easy installation and maintenance
- Earthed
- 63mm to 50mm adapters included in delivery
- Perfect in combination with Inproxide Chlorine Dioxide



HA-151

## Blue Lagoon UV-C Pro

- Advantages of the Blue Lagoon UV-C Timer
- Mode in the Netherlands
- Built-in electronic pre-selector to ensure a smooth power supply
- Up to 35% more UV-C yield as a result reflection
- Includes a Phillips UV-C lamp
- Integrated adjustable time meter for the UV-C lamp
- Digital indication when the lamp needs replacing
- Complete 316L stainless steel housing
- Easy installation and maintenance
- Has a flow switch that switches the lamp off as soon as no water flow-through is detected
- Earthed



HA-152

## Halbert UV Sterilizer

### Key Advantages:

1. High Output Amalgam Lamps for higher UV Dosage.
2. Smaller Footprints, Lower Operation cost.
3. Easy to install in new or existing water plants
4. Very Effective in complex Tertiary treated Water
5. UV tubes Housed in Synthetic Quartz Jacket
6. User friendly Green Technology
7. Microprocessor controlled Operator interface
8. BMS or Data logging interface
9. With Highly accurate UV Sensor
10. SS-316 Reactor Housings



Technical Specifications	Halbert-UV 16W	Halbert-UV 40W	Halbert-UV 80W	Halbert-UV 160W
Item Code	612056	612057	612058	612059
Equivalent Model	SP-120-L	SP-350-L	SP-420-L	SP-500-L
Max Pool Capacity	15000	40000	75000	150000
Max Flow	7200	20000	25000	30000
Max Pressure	2 bar	2 bar	2 bar	2 bar
Diameter Unit $\Phi$	75	75	75	114
Length Unit(in MM)	450	895	895	840
Diameter In-Outlet $\Phi$	63-50mm	63-50mm	63-50mm	63-50mm
Material of Construction	SS-316	SS-316	SS-316	SS-316
Ballast Type	Electronic	Electronic	Electrnoic	Electronic
Supply Voltage	220 V AC, 50 Htz	220 V AC, 50 Htz	220 V AC, 50 Htz	220 V AC, 50 Htz
Maximum Current	0.29 Amp	0.29 Amp	0.57 Amp	11 Amp
Lamp Wattage	16 W	40 W	80 W	160 W
Wave Length	253.7	253.7	253.7	253.7
Lamp Voltage	43	94	97	70
LampCurrent	0.4	0.43	0.80	2.1
UV-C 100h Output(W)	3.9	15	25	50
$\mu$ W/cm <sup>2</sup> at 1 Meter	39	144	230	468
Lamp Type	UV-C 16 W	UV-C 40 W	UV-C 80 W	UV-C 80 W X 2
Chemical Reduce	80%	80%	80%	80%
Weight (in KG)	3.5	4.5	4.5	7.5

# Water Treatment

## Sewage Treatment Plant

Sewage is nothing but the wastes generated from residential, institutional, commercial and industrial establishments. STP plants treat the sewage to make it fit for safe disposal, agricultural use or domestic use in toilets etc. Sewage usually contains a high quantity of organic and inorganic wastes. It is essential to treat sewage before its entry into any water body. If sewage, is allowed to enter the water sources without treatment, it will contaminate them; which is why it is essential to treat sewage properly before letting it into rivers or any other sources of water.



## Water Treatment Plant



We consider wastewater treatment as a water use because it is so interconnected with the other uses of water. Much of the water used by homes, industries, and businesses must be treated before it is released back to the environment.

If the term "wastewater treatment" is confusing to you, you might think of it as "sewage treatment." Nature has an amazing ability to cope with small amounts of water wastes and pollution, but it would be overwhelmed if we didn't treat the billions of gallons of wastewater and sewage produced every day before releasing it back to the environment. Treatment plants reduce pollutants in wastewater to a level nature can handle.

Wastewater is used water. It includes substances such as human waste, food scraps, oils, soaps and chemicals. In homes, this includes water from sinks, showers, bathtubs, toilets, washing machines and dishwashers. Businesses and industries also contribute their share of used water that must be cleaned.

Wastewater also includes storm runoff. Although some people assume that the rain that runs down the street during a storm is fairly clean, it isn't. Harmful substances that wash off roads, parking lots, and rooftops can harm our rivers and lakes.

## Effluent Treatment Plant

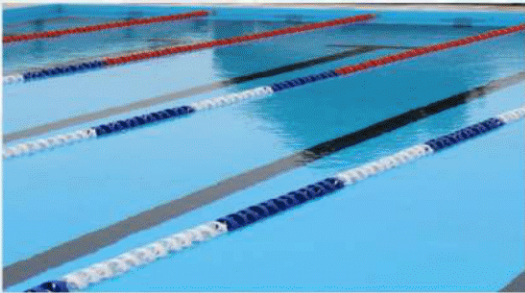


Effluent is generated in many manufacturing industries like textile, pharma and chemicals, tanneries etc. Contaminated water cannot be released without treatment as it contains toxic and nontoxic chemicals. Releasing it may cause contamination of the existing pure water and affect the environment. As a result ETP's are installed in most manufacturing industries.

The Effluent treatment plants (ETP) are used for the removal of high amounts of organic compounds, debris, dirt, grit, pollution, toxic, non-toxic materials, polymers etc. from industrial effluent. The ETP plants use evaporation and drying methods, and other auxiliary techniques such as centrifuging, filtration, incineration for chemical processing and effluent treatment.

# Competition Pool Equipment

## Halbert - Anti Wave Racing Lanes



Our latest model racing lanes represent the cutting edge of lane design and efficient wave dissipation. Anti wave racing lanes comply with all FINA, LEN and relevant regulations. These lanes are used to delineate the swimming lanes in pools. For competition and training for competition. Lane diameter is 110mm and 150mm available in different color options - Red, Blue, Yellow, Green and White. Prepared with CP+PP raw material. Lane Cable is SS316, 304 with diameter of 3.1mm to 6mm.

## Competition Equipments

<p>HA-153</p>	<p>HA-154</p>		<p>HA-155</p>
<p>Racing Lane Anti-wave(110mm)</p>	<p>Racing Lane Ball and Anti-wave Combination (150mm)</p>		<p>Diving Board with Fulcrum</p>
<p>HA-156</p>	<p>HA-157</p>	<p>HA-158</p>	<p>HA-159</p>
<p>Line Anchor with Rod</p>	<p>Line Anchor Retractable Hook</p>	<p>Lane Tightner Hook</p>	<p>Snap Hook</p>
<p>HA-160</p>	<p>HA-161</p>	<p>HA-162</p>	<p>HA-163</p>
<p>Pace Clock</p>	<p>Diving Board with Single Step</p>	<p>Safety Float Kit</p>	<p>Lifeguard Chair</p>
<p>HA-164</p>	<p>HA-165</p>	<p>HA-166</p>	<p>HA-167</p>
<p>400mm Starting Block</p>	<p>750mm Starting Block</p>	<p>Storage Reel for Racing Lane</p>	<p>Back Stroke Indicator</p>

# Life Saving & Inflatables

## Life Saving & Inflatable Equipments

HA-168 	HA-169 	HA-170 	HA-171 
Intex Round Pool	Intex Rectangular Pool	Sports Kick Board/Pad	Economat/Floating Bed
HA-172 	HA-173 	HA-174 	HA-175 
Fashion Mat (Assorted Colors)	Swimming Ring Tyre Shape	Swimming Ring	Nutty Donut Tube
HA-176 	HA-177 	HA-178 	HA-179 
Swim Ring Tube	Rainbow Sprinkle Donut Tube	Popular Printing Floating Ring	Life Buoy
HA-180 	HA-181 	HA-182 	HA-183 
Life Buoy (Kids)	Arm Band	Arm Band (Deluxe/Printed)	Swim Goggles
HA-184 	HA-185 	HA-186 	HA-187 
Swimming Cap	Pool Buoy	Beach Ball	Foot Bath

## Life Saving Equipments

HA-188 	HA-189 	HA-190 	HA-191 
Oxygen Cylinder	Artificial Respirator	Folding Stretcher	Rescue Hook
HA-192 	HA-193 	HA-194 	HA-195 
First Aid Box	Life Jacket	Life Jacket	Life Jacket

## VALVES AND FITTINGS

HA-196 	HA-197 	HA-198 	HA-199 
Foot Valves	Ball Valves	Ball Valves	Foot Valves
HA-200 	HA-201 	HA-202 	HA-203 
PVC Ball Valves	Check Valves	Butterfly Valves	Nipples
HA-204 	HA-205 	HA-206 	HA-207 
Couplings	Unions	Reductions	Hose Cuff

# Pool & Garden Furniture

## Swimming Pool Furniture | Poolside Loungers

<p>HA-208</p>	<p>HA-209</p>	<p>HA-210</p>
<p>HA-211</p>	<p>HA-212</p>	<p>HA-213</p>
<p>HA-214</p>	<p>HA-215</p>	<p>HA-216</p>
<p>HA-217</p>	<p>HA-218</p>	<p>HA-219</p>
<p>HA-220</p>	<p>HA-221</p>	<p>HA-222</p>

## Swimming Pool | Garden Furniture



HA-223



HA-224



HA-225



HA-226



HA-227



HA-228



HA-229



HA-230



HA-231



HA-232



HA-233



HA-234



HA-235



HA-236



HA-237

# Fountain Nozzles



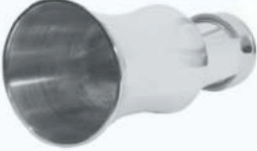

## Araetor Jet Nozzle

			
HA-238	HA-239	HA-240	HA-241
			
HA-242	HA-243	HA-244	HA-245

## Ball Jet Nozzle

			
HA-246	HA-247	HA-248	HA-249
			
HA-250	HA-251	HA-252	HA-253

## Bubbler Jet Nozzle | Geyser Jet Nozzle

			
HA-254	HA-255	HA-256	HA-257

# Fountain Nozzles

## Ball Joint

HA-258	HA-259	HA-260	HA-261
HA-262	HA-263	HA-264	HA-265

## Crown Jet Nozzle

HA-266	HA-267	HA-268	HA-269

## Cluster Jet Nozzle | Diamond Jet Nozzle





HA-270	HA-271	HA-272	HA-273
HA-274	HA-275	HA-276	HA-277

# Fountain Nozzles

## Foam Jet Nozzle | Finger Jet Nozzle

			
HA-278	HA-279	HA-280	HA-281
			
HA-282	HA-283	HA-284	HA-285





## Revolving Jet Nozzle

			
HA-286	HA-287	HA-288	HA-289



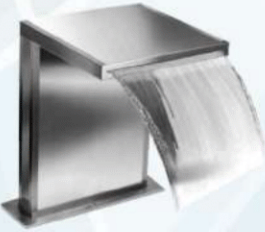
## Laminar jet Nozzle | Spiral Jet Nozzle

			
HA-290	HA-291	HA-292	HA-293

## Three Stage Jet Nozzle

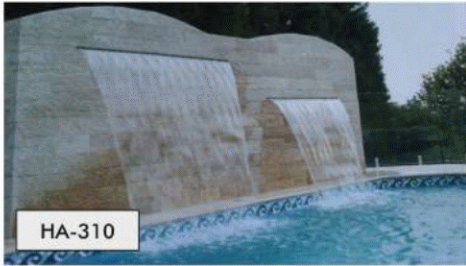
			
HA-294	HA-295	HA-296	HA-297

## Water Features

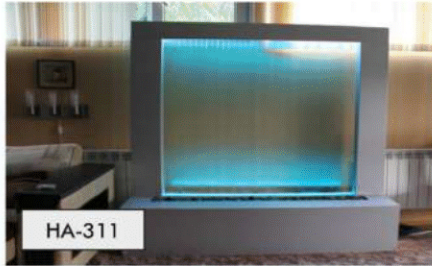
	Model No:	HA-298		Model No:	HA-299
	<b>Cascade Fall</b>			<b>Cascade Fall</b>	
	Material: SS-316/304			Material: SS-316/304	
	Opening Width (mm)			Opening Width (mm)	
W: 300/450/600/900		W: 300/450/600/900			
	Model No:	HA-300		Model No:	HA-301
	<b>Cascade Fall</b>			<b>Water Fall</b>	
	Material: SS-316/304			Material: SS-316/304	
	Opening Width (mm)			Opening Width/Height (mm)	
W: 300/450/600/900		W: 300/600 H: 300/600			
	Model No:	HA-302		Model No:	HA-303
	<b>Water Fall</b>			<b>Rain Fall</b>	
	Material: SS-316/304			Material: SS-316/304	
	Opening Width/Height (mm)			Opening Width/Height (mm)	
W: 150/300/500/700/1000 H: 700/700/700/700/700		W: 300/500/700/1000 H: 650/700/800/1000			
	Model No:	HA-304		Model No:	HA-305
	<b>Rectangular Water Curtain</b>			<b>Rectangular Water Curtain (Rain Effect)</b>	
	Material: SS-316/304			Material: SS-316/304	
	Opening Width/Height (mm)			Opening Width/Height (mm)	
W: 300/500/700/1000 H: 700/700/700/700		W: 300/500/700/1000 H: 700/700/700/700			
	Model No:	HA-306		Model No:	HA-307
	<b>Water Curtain</b>			<b>Spa Water Fall</b>	
	Material: SS-316/304			Material: SS-316/304	
	Opening Width/Height (mm)			Opening Width/Height (mm)	
W: 300/500 H: 500/500		W: 300/500 H: 500/500			
	Model No:	HA-308		Model No:	HA-309
	<b>Wall Rainfall</b>			<b>Water Decent</b>	
	Material: SS-316/304			Material: ABS	
	Opening Width/Height (mm)			Opening Width (mm)	
W: 300/500/700/1000 H: 130/130/130/130		W: 300/600/900/1200			

# Water Features

## Swimming Pool and Water Features



HA-310



HA-311



HA-312



HA-313



HA-314



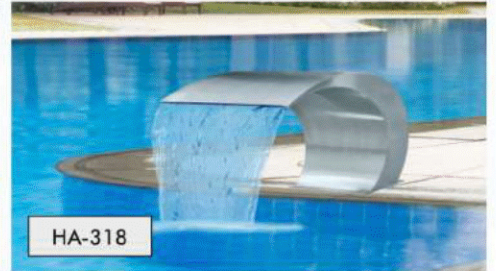
HA-315



HA-316



HA-317



HA-318



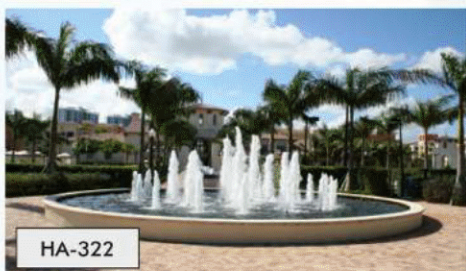
HA-319



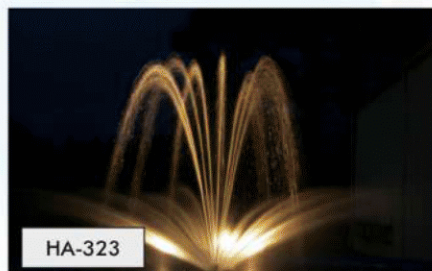
HA-320



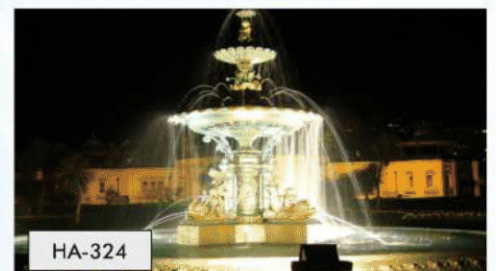
HA-321



HA-322



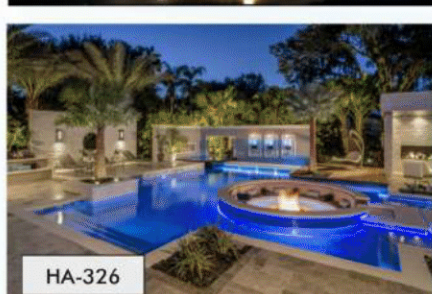
HA-323



HA-324



HA-325



HA-326




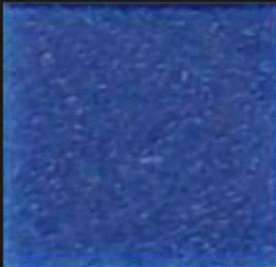
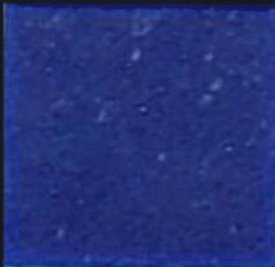
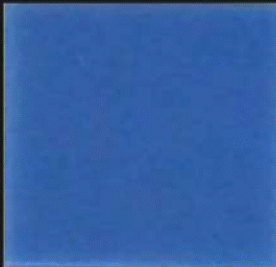
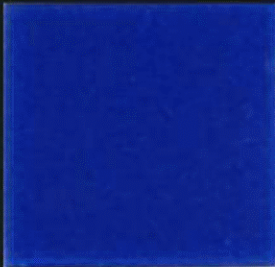


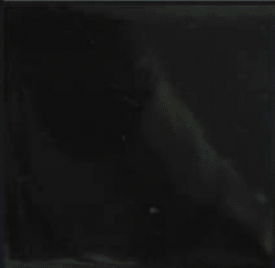
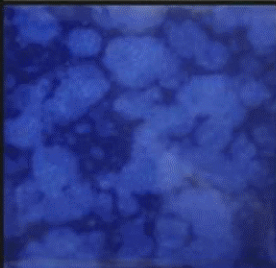


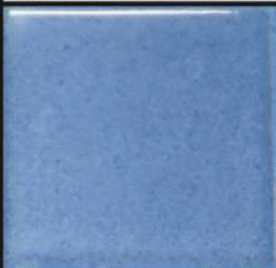

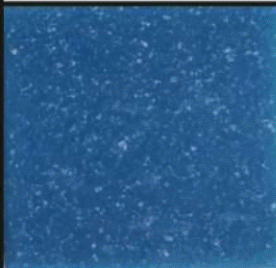
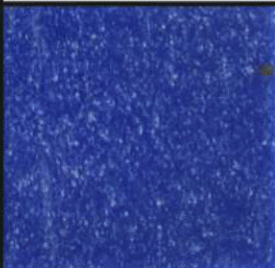
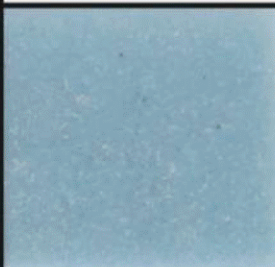
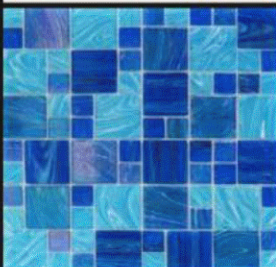
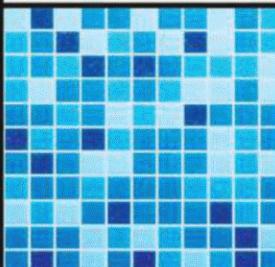
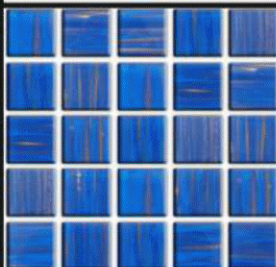
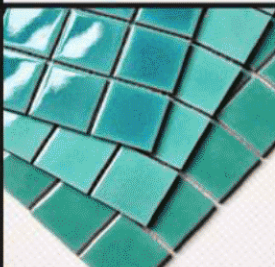
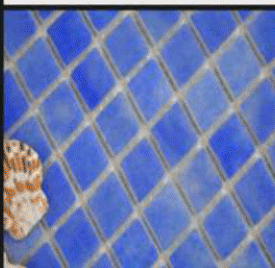

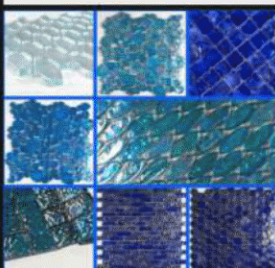

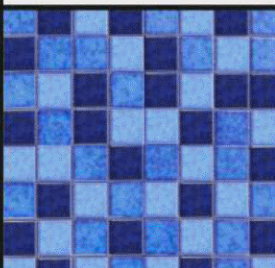
HA-327

Glass Mosaic Tiles

HA-328	HA-329	HA-330	HA-331	HA-332
HA-333	HA-334	HA-335	HA-336	HA-337
HA-338	HA-339	HA-340	HA-341	HA-342
HA-343	HA-344	HA-345	HA-346	HA-347
HA-348	HA-349	HA-350	HA-351	HA-352

# Tiles

## Glass Mosaic Tiles

				
HA-353	HA-354	HA-355	HA-356	HA-357
				
HA-358	HA-359	HA-360	HA-361	HA-362
				
HA-363	HA-364	HA-365	HA-366	HA-367
				
HA-368	HA-369	HA-370	HA-371	HA-372
				
HA-373	HA-374	HA-375	HA-376	HA-377

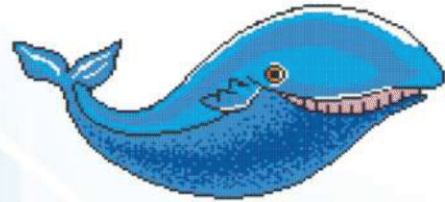
Swimming Pool Tiles Design



Size: - 10' x 9'



Size: - 7' x 8'



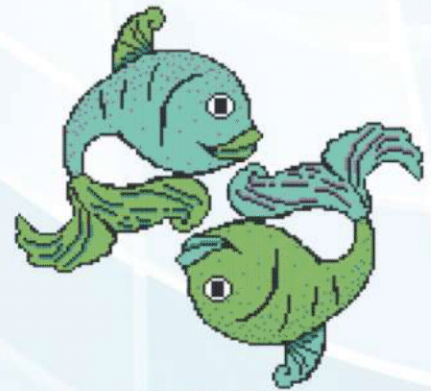
Size: - 11' x 5'



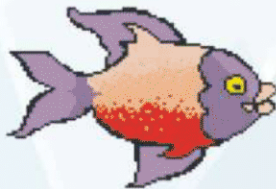
Size: - 6' x 9'



Size: - 10' x 13'



Size: - 10' x 10'



Size: - 6' x 5'



Size: - 5' x 4'



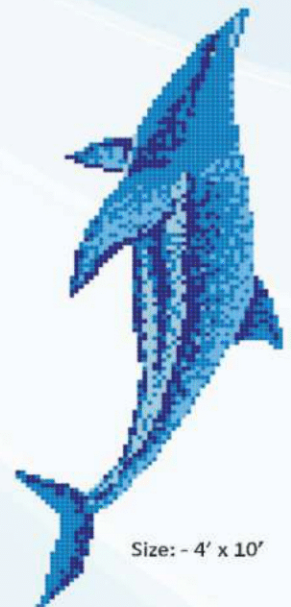
Size: - 5' x 5'



Size: - 10' x 7'



Size: - 9' x 10'



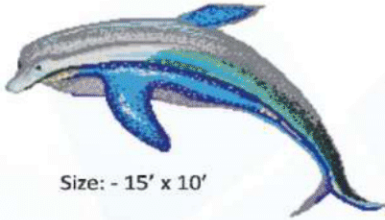
Size: - 4' x 10'



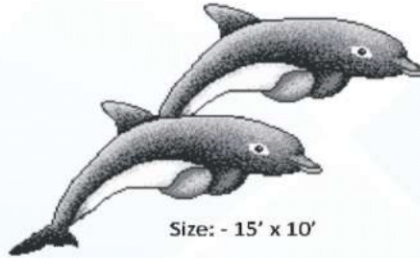
Size: - 13' x 7'

# Tiles

## Swimming Pool Tiles Design



Size: - 15' x 10'



Size: - 15' x 10'



Size: - 16' x 24'



Size: - 15' x 12'



Size: - 8' x 8'



Size: - 7' x 14'



Size: - 4' x 4'



Size: - 6' x 9'



Size: - 8' x 14'



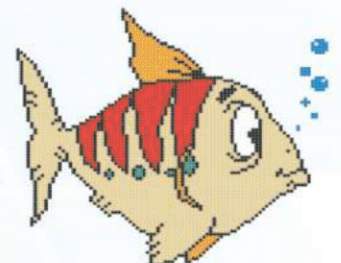
Size: - 8' x 5'



Size: - 10' x 8'



Size: - 7' x 5'3"



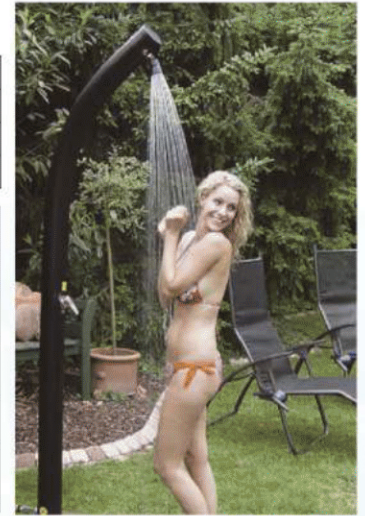
Size: - 7' x 6'

## Solar Shower



HSC20	20L Curved Solar Shower
HSC20F	20L Curved Solar Shower with foot wash tap
HSC20/2	20L Curved Solar Shower in 2 sections
HSC20F/2	20L Curved Solar Shower with foot wash tap in 2 sections

Item No.	Capacity	Height (mm)	Tube Dia (mm)	Function	Material		G.W. (KGS)	QTY(SETS)	
					Tube	Base		20'GP	40'HQ
HSC20	20L	2200	Φ110	Shower	PVC	ALU	7.5	330	820
HSC20F	20L	2200	Φ110	Shower Footwash	PVC	ALU	7.5	330	820
HSC20/2	20L	2200	Φ110	Shower	PVC	ALU	7.5	330	820
HSC20F/2	20L	2200	Φ110	Shower Footwash	PVC	ALU	7.5	330	820



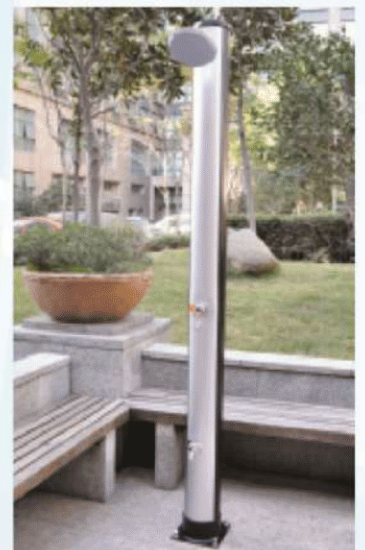
HST20	20L 2-Section Solar Shower
HST20F	20L 2-Section Solar Shower with foot wash tap

Item No.	Capacity	Height (mm)	Tube Dia (mm)	Function	Material		G.W. (KGS)	QTY(SETS)	
					Tube	Base		20'GP	40'HQ
HST20	20L	2200	Φ160	Shower	PVC	ALU	7.5	500	1000
HST20F	20L	2200	Φ160	Shower Footwash	PVC	ALU	7.5	500	1000



HSP38F	38L Painting Solar Shower with foot wash tap
HSP40F	40L Painting Solar Shower with foot wash tap
HSP38F/2	38L Painting Solar Shower with foot wash tap in 2-sections
HSP40F/2	40L Painting Solar Shower with foot wash tap in 2 sections

Item No.	Capacity	Height (mm)	Tube Dia (mm)	Function	Material		G.W. (KGS)	QTY(SETS)	
					Tube	Base		20'GP	40'HQ
HSC38F	38L	2050	Φ160	Shower Footwash	PVC	ALU	11	250	560
HSC40F	40L	2200	Φ160	Shower Footwash	PVC	ALU	11.5	240	550
HSC38F/2	38L	2050	Φ160	Shower Footwash	PVC	ALU	11	250	560
HSC40F/2	40L	2200	Φ160	Shower Footwash	PVC	ALU	11.5	240	550



# Showers

## Solar Shower



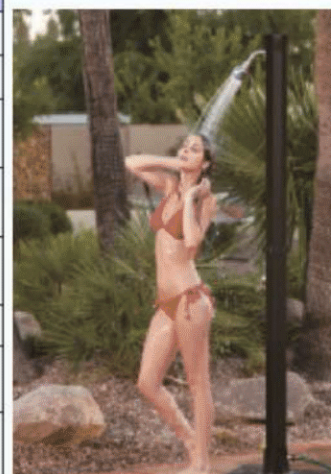
HSS18	18L Straight Solar Shower
HSS18/2	18L Shower in 2 sections
HSS20	20L Straight Solar Shower
HSS20/2	20L Shower in 2 sections
HSS18F	18L with foot wash tap
HSS18F/2	18L with foot tap in 2 sections
HSS20F	20L with foot wash tap
HSS20F/2	20L with foot tap in 2 sections

Item No.	Capacity	Height (mm)	Tube Dia (mm)	Function	Material		G.W. (KGS)	QTY(SETS)	
					Tube	Base		20'GP	40'HQ
HSS18	18L	2050	Φ110	Shower	PVC	ALU	7.2	400	940
HSS20	20L	2200	Φ110	Shower	PVC	ALU	7.5	360	860
HSS20F	20L	2200	Φ110	Shower Footwash	PVC	ALU	7.5	360	860
HSS20/2	20L	2200	Φ110	Shower	PVC	ALU	7.5	360	860
HSS20F/2	20L	2200	Φ160	Shower Footwash	PVC	ALU	7.5	360	860

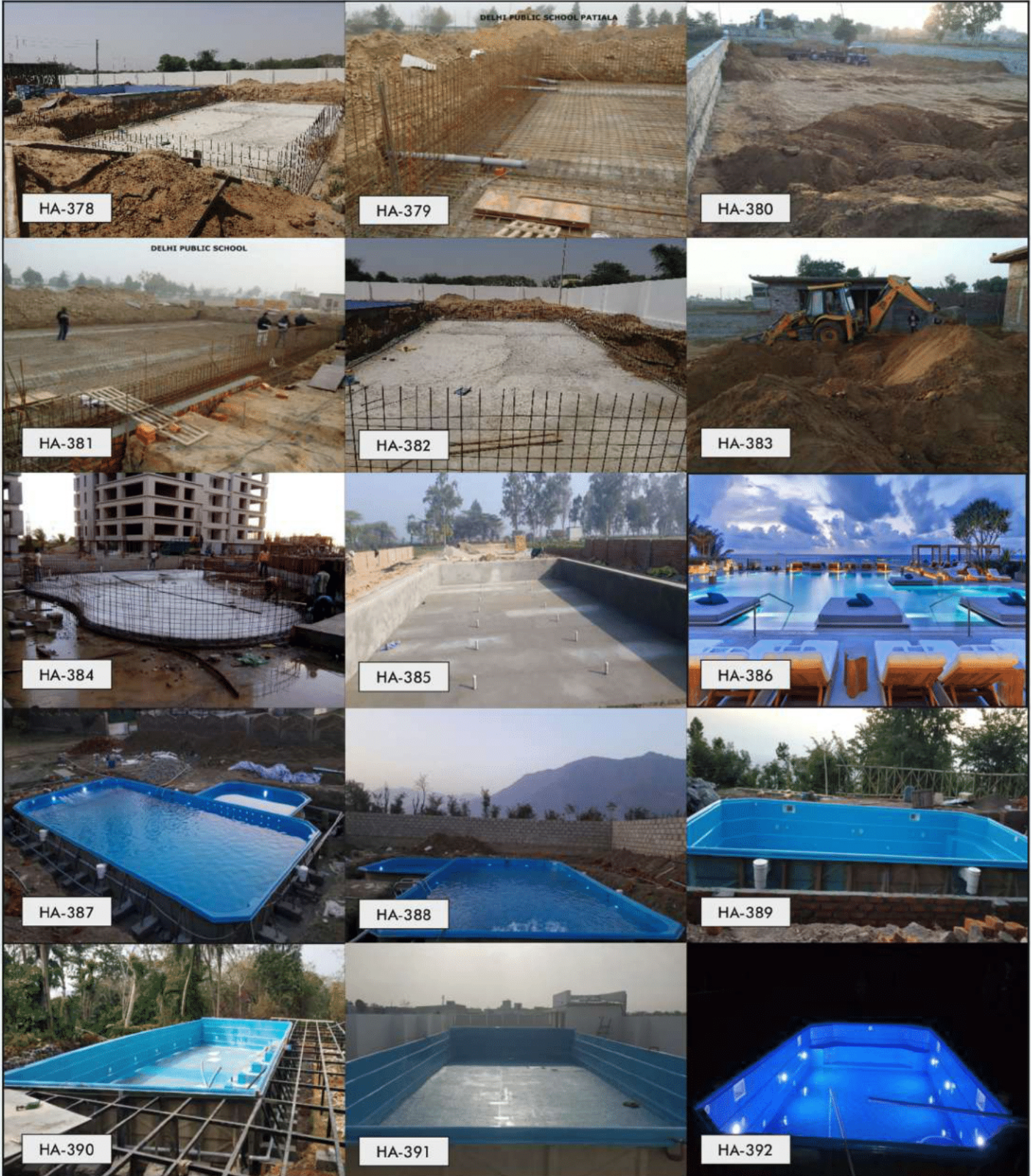


HSS38	38L Straight Solar Shower
HSS38/2	38L Shower in 2 sections
HSS40	40L Straight Solar Shower
HSS40/2	40L Shower in 2 sections
HSS38F	38L with foot wash tap
HSS38F/2	38L with foot tap in 2 sections
HSS40F	40L with foot wash tap
HSS40F/2	40L with foot tap in 2 sections

Item No.	Capacity	Height (mm)	Tube Dia (mm)	Function	Material		G.W. (KGS)	QTY(SETS)	
					Tube	Base		20'GP	40'HQ
HSS38	38L	2050	Φ160	Shower	PVC	ALU	11	250	560
HSS40	40L	2200	Φ160	Shower	PVC	ALU	11.3	240	550
HSS38F	38L	2050	Φ160	Shower Footwash	PVC	ALU	11	250	560
HSS40F	40L	2200	Φ160	Shower Footwash	PVC	ALU	11.5	240	550
HSS38/2	38L	2050	Φ160	Shower Footwash	PVC	ALU	11	250	560
HSS40/2	40L	2200	Φ160	Shower	PVC	ALU	11.5	240	550
HSS38F/2	38L	2050	Φ160	Shower Footwash	PVC	ALU	11	250	560
HSS40F/2	40L	2200	Φ160	Shower Footwash	PVC	ALU	11.5	240	550

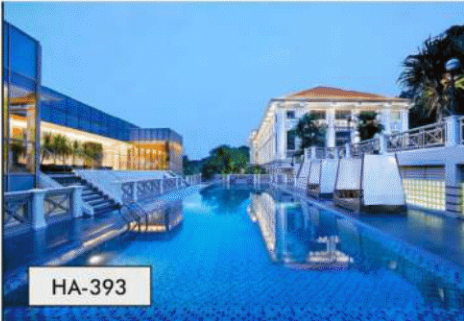


## Photo Gallery



# Photo Gallery

## Photo Gallery



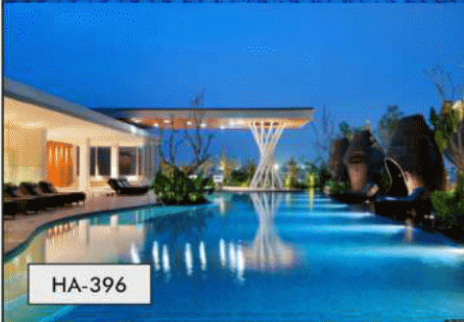
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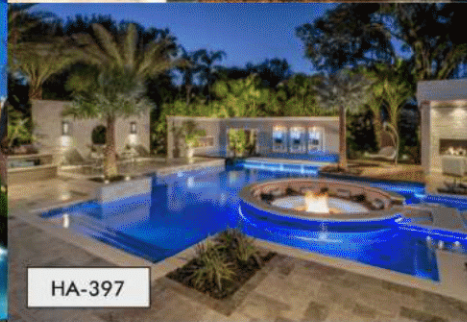
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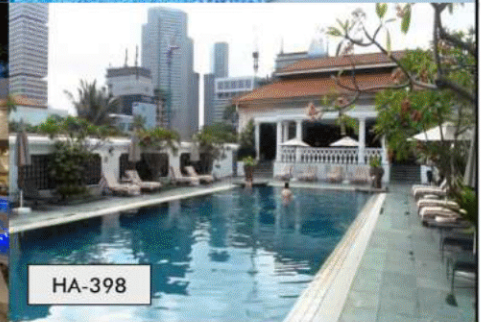
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HA-396



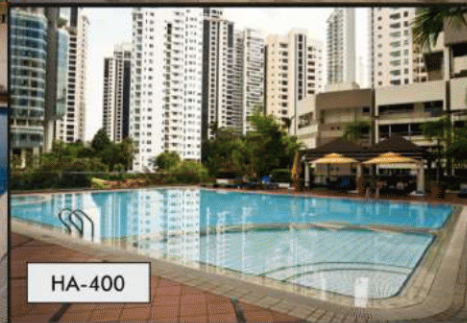
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HA-398



HA-399



HA-400



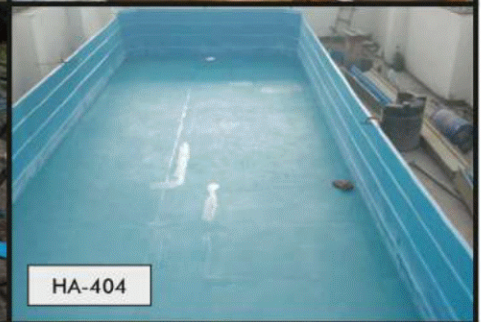
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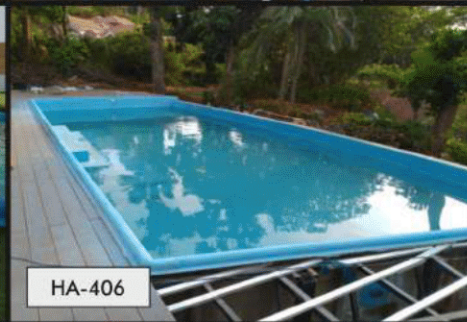
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HA-404



HA-405



HA-406



HA-407

## Photo Gallery



HA-408



HA-409



HA-410



HA-411



HA-412



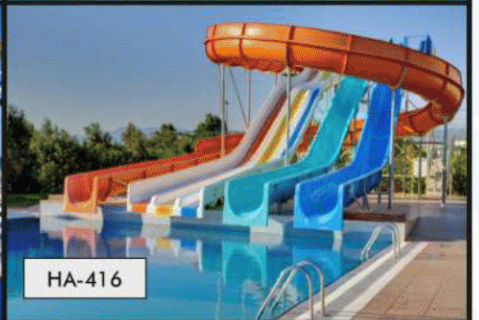
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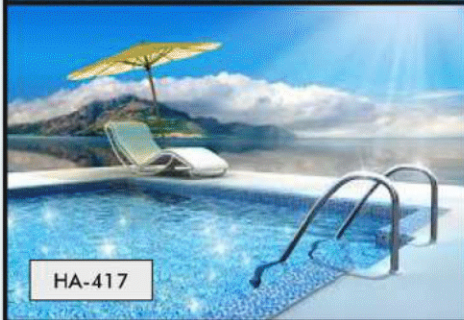
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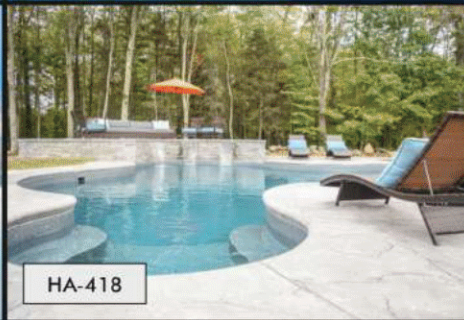
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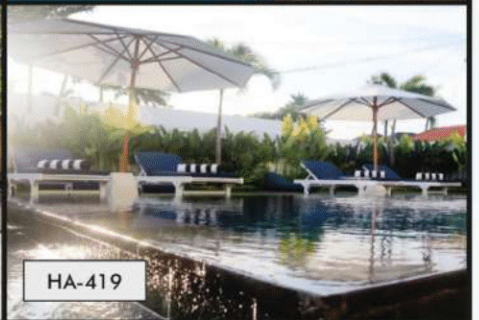
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HA-417



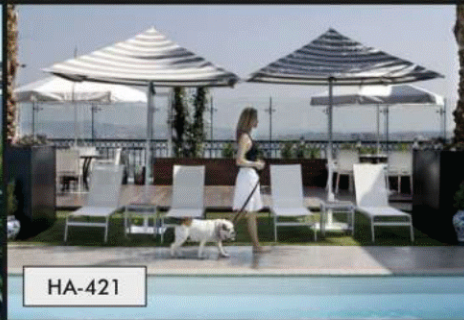
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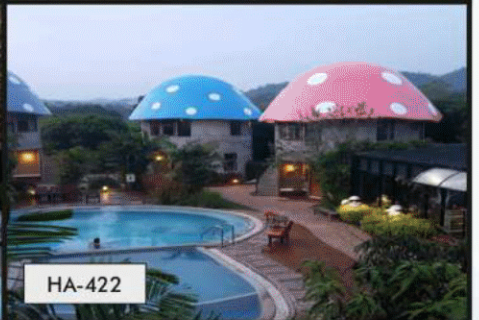
HA-419



HA-420



HA-421



HA-422

# Photo Gallery

## Photo Gallery





Off Add: 126, Mange Ram Park, (Pooth Kalan)  
New Delhi-110086

Ph: +91-9560752752, 9971664946  
9560756662, 9560700868

Email: [dswatertechnology@gmail.com](mailto:dswatertechnology@gmail.com) , [info@dswswimmingpool.in](mailto:info@dswswimmingpool.in)  
[www.dswatertechnology.com](http://www.dswatertechnology.com), [www.dswswimmingpool.com](http://www.dswswimmingpool.com)  
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