

*Inspired
by Water*

FILTRATION





ATECPOOL POOL FILTRATION

ATECPOOL Filters are developed for an efficient and high performance mechanical filtration to ensure crystal clear and sparkling water quality.

ATECPOOL Reg-X Regenerative Media Filter uses patented technology to uniquely provide 1 micron filtration performance, compared to the 30-40 micron particles removed in traditional sand or glass filters.



Reg-X Regenerative Media Filter is unique filtration technique based on a patented technology. Saving more water, chemicals, energy, and space compared to traditional sand and glass filters. 96% water savings during backwash and thanks to the fully automated self-cleaning mechanism, avoids all manual cleaning and maintenance for Reg-X filters.



ATECPOOL REG-X FILTER

REGENERATIVE FILTER

The next generation of filtering systems



Save Money



Easy touch



Patented Technology



Silent Operation



The Green Way to Filter Water

*El método verde para filtrar agua
La méthode verte pour filtrer l'eau*



atecpool.com

Atecpool Reg-X Filter

Regenerative Media Filter

1 micron filtration

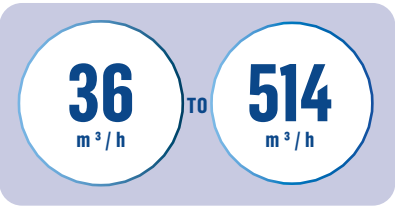


Atecpool Reg-X Filter

Regenerative Media Filter



The Reg-X Regenerative Media Filter uses patented technology to uniquely provide 1 micron filtration performance, compared to the 30-40 micron particles removed in traditional sand or glass filters. Reg-X Regenerative Media Filter is unique filtration technique based on a patented technology. Saving more water, chemicals, energy, and space compared to traditional sand and glass filters.



Reg-X Regenerative Media Filter traps particles on the surface of its flexible tubes, coated with micronized perlite media, during the filtration cycle. When the perlite becomes loaded, Reg-X triggers self-cleaning mechanism, a completely automated process, patented technology, avoiding complicated cleaning and maintenance operation, unlike similar regenerative filters in the industry. Reg-X stands for filtration performance to 1 Micron to provide the best water clarity and energy, water and space savings.



96% water savings during backwash and thanks to the automated self-cleaning mechanism, avoids all manual cleaning and maintenance for Reg-X filters.

Atecpool Reg-X Filter Specifications

- Working pressure: 2.5 Bar
- Testing pressure: 4.0 Bar.
- Built in Fiberglass Reinforced Polyester (FRP).
- No bumping or hammering.
- Hoses made with AISI316 stainless steel core covered with high tenacity polymer fiber. EPDM gaskets.
- Patented automatic self-cleaning and rinse system.
- Patented automatic active perlite regeneration system without vibrations or impacts.
- Automatic perlite coating system.
- Control panel with SIEMENS S7 PLC, display and control screen (HMI SIEMENS 7"), instrumentation and sensors.
- Supply of high performance blower pump for regeneration system, and a vacuum machine for perlite loading.
- Polyethylene strainer for self-cleaning system.



Atecpool Reg-X Filter Specifications

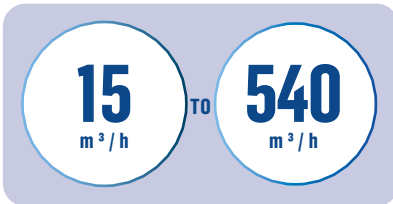
Model	Diameter	Height	Filtration Area	Filtration Velocity	Flow rate	Perlite Weight	In / Out	Drain / Recirculation / Rinse	Weight	Operating Weight	Water Volume	Footprint
	(mm)	(mm)	(m ²)	(m ³ /h/m ²)	(m ³ /h)	(kg)	(mm)		(kg)	(kg)	(ltrs)	(m ²)
RF-PRFV-620	620	1850	14.2	2.5 4.5	36 64	4	D125	2"	110	570	450	0.3
RF-PRFV-750	750	1900	21.8	2.5 4.5	54 98	6	D140	D75	160	850	675	0.44
RF-PRFV-900	900	1950	31.6	2.5 4.5	79 142	9	D160	D90	210	1230	1000	0.64
RF-PRFV-1050	1050	2050	50.1	2.5 4.5	125 225	15	D200	D110	275	1675	1375	0.87
RF-PRFV-1200	1200	2100	64.8	2.5 4.5	162 292	18	D250	D125	320	2205	1850	1.13
RF-PRFV-1400	1400	2200	90.7	2.5 4.5	227 408	27	D315	D160	450	3120	2625	1.54
RF-PRFV-1600	1600	2200	114.3	2.5 4.5	286 514	32	D315	D160	600	4085	3425	2.01



Atecpool Reg-Stark

Regenerative Media Filter

1 micron filtration



Installation site - Turtle Island, South Korea

Atecpool Reg-Stark AISI-316L Series

Stainless Steel Filter

Atecpool Reg-Stark AISI-316L Specifications

- Working pressure : upto 10 Bar
- Testing pressure: upto 12 Bar.
- Supply of a regenerative filter of micronized perlite filter media:
 - RF-316L, flow rates between 15 and 540 m³/h at between 2.5 and 4.5 m³/h/m² filter rates, inlet/outlet D75-D315 mm, filter area of 6.0 to 120.0m², max. differential pressure 0.9 bar, perlite weight 2 to 32 kg.
- Built in AISI 316L stainless steel.
- No bumping or hammering.
- Hoses made with AISI316 stainless steel core covered with high tenacity polymer fiber. EPDM gaskets.
- Patented automatic self-cleaning and rinse system.
- Patented automatic active perlite regeneration system without vibrations or impacts.
- Automatic perlite coating system.
- Supply of the filter with its control panel, SIEMENS S7 PLC, display and control screen (HMI SIEMENS 7-inch), instrumentation and sensors.
- Supply of high performance blower pump for regeneration system, and a vacuum machine for perlite loading.
- Polyethylene strainers for self-cleaning and regeneration systems.

Savings are extreme with Reg-X Regenerative Media Filters

Reg-X facilitates pump room space savings due to the fact that minimum number of Reg-X filters or size provides the best filtration performance in comparison with many large traditional sand/glass filters. Reg-X filters can be 75% smaller in footprint than similar sized sand/glass filters. Savings related to plumbing, quantity of pumps and savings on chemicals makes Reg-X the most economic solution for water filtration.

Atecpool Reg Stark Filter Specifications

Model	Diameter	Height	Filtration Area	Filtration Velocity	Flow rate	Perlite Weight	In / Out	Drain / Recirculation / Rinse	Weight	Operating Weight	Water Volume	Footprint
	(mm)	(mm)	(m ²)	(m ³ /h/m ²)	(m ³ /h)	(kg)	(mm)		(kg)	(kg)	(ltrs)	(m ²)
RF-316L-400	400	1800	6.0	2.5 4.5	15 27	2	D75	1 1/2" Ball	260	440	180	0.13
RF-316L-600	600	1900	15.8	2.5 4.5	40 71	4	D125	2" Ball	330	750	420	0.28
RF-316L-800	800	1950	30.9	2.5 4.5	77 139	9	D160	D90	545	1315	770	0.5
RF-316L-1000	1000	2050	52.0	2.5 4.5	130 234	15	D200	D110	805	2075	1270	0.79
RF-316L-1200	1200	2100	68.2	2.5 4.5	170 307	18	D250	D125	1125	3025	1900	1.13
RF-316L-1400	1400	2200	93.0	2.5 4.5	232 418	27	D315	D160	1400	3880	2480	1.54
RF-316L-1600	1600	2200	120.0	2.5 4.5	300 540	32	D315	D160	1720	5260	3540	2.01

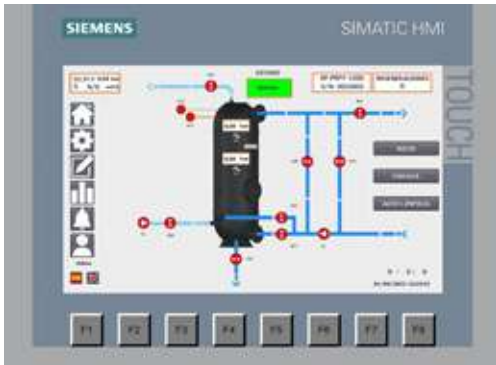
Atecpool Control Panel

For Reg-X and Reg-Stark

1 micron filtration



Control Panel for Atecpool Regenerative Filter

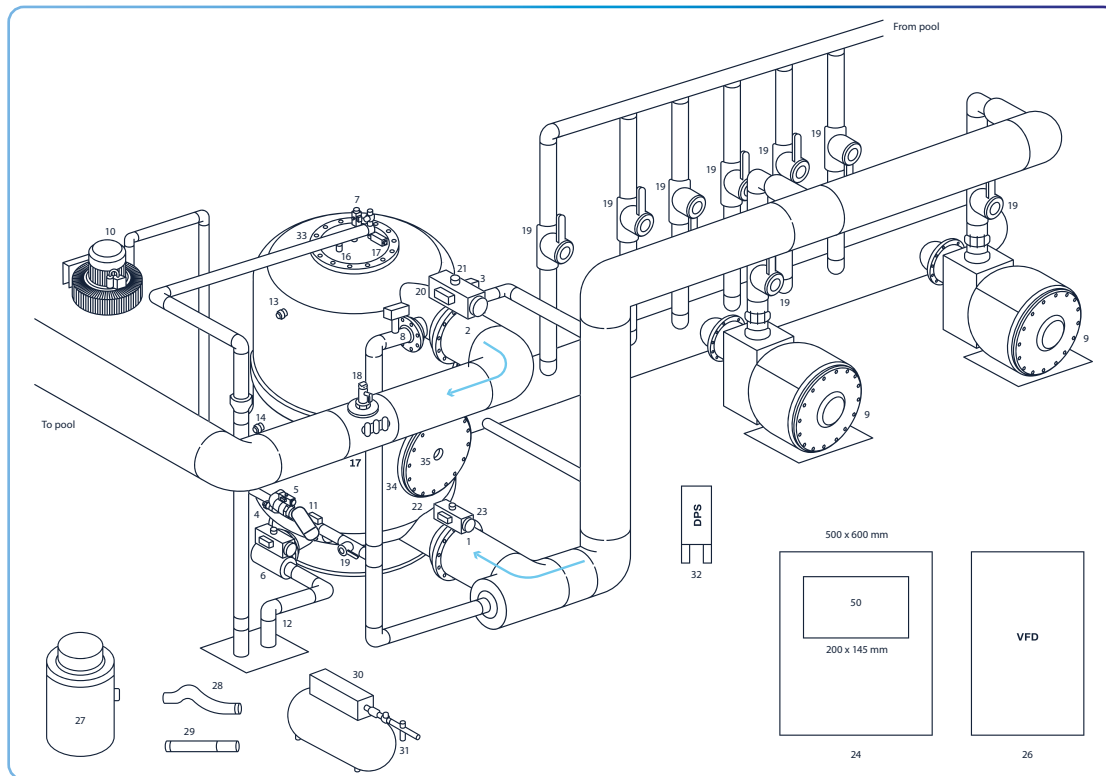


Wi-Fi connection

Reg-X Filter Highlights

- Filtration process: Vertical regenerative filtration with micronized perlite filter media, fully automated (except perlite filling), active regeneration system.
- Internal lining: Filter laminated with isophthalic polyester resin reinforced with fiberglass and internally painted with isophthalic top coat. Exterior coating with NPG isophthalic top coat.
- Internal separating plates in isophthalic resin with high chemical and mechanical resistance reinforced with fiberglass.
- Upper and front manholes: plates laminated with isophthalic polyester resin reinforced with fiberglass and painted with isophthalic top coat.
- Diffuser / Internal collector: PVC PN10 pipe with external connection to flat flange according to DIN-2576 PN-10 in PVC-U.
- Supplied with air purge valve (triple action valve), 1x level transmitter, 2x analog pressure transmitter, 1x analog flow transmitter, 1x differential pressure switch, 1x safety pressure switch, 1x control panel, 1x display touch screen (Siemens HMI control 7"), 1x blower pump, 1x vacuum cleaner for perlite filling, 2x polyethylene strainers for self-cleaning system.
- Maximum working temperature: 50°C
- Operation with simple effect pneumatic valves (8) and 24VDC piloting.
- **Automated system (Patented):** This entire process is fully automatic, using pneumatic valves commanded by a PLC and operated with Display touch screen controls (Siemens HMI control 7")
- **Self-cleaning system**
- **Rinsing system**
- **Perlite active regeneration system** without impacts or vibrations (using pressurized air)
- Remote Access for monitoring and control
- System **without backwash**
- Filter rates between **2.5 and 4.5 m³/h/m²**

Installation scheme for Atecpool Reg-X Filter



Atecpool Reg-X Filter Specifications

- | | | | |
|--|-----------------------------------|--|--|
| 1. EV1 Suction Head PV (pneumatic valve) | 11. Self-Cleaning System Strainer | 21. Connection to Differential Pressure Switch (DPS) | 29. Perlite Loading Hose |
| 2. EV2 Impeller Head PV | 12. Manual 2" Ball Valve | 22. Pressure Sensor (PT1) | 30. Air Compressor (8 bar, min. 10 litres) (*) |
| 3. EV3 Recirculation PV | 13. Vacuum Transfer Valve | 23. + Connection to Differential Pressure Switch (DPS) | 31. Water Separator (*) |
| 4. EV4 Blower PV | 14. Perlite Loading Valve | 24. Control Panel | 32. Differential Pressure Switch (DPS) |
| 5. EV5 Self-Cleaning PV | 15. Triple Effect Suction Valve | 25. 7" HMI | 33. Upper Manhole |
| 6. EV6 Drain PV | 16. Level Sensor (HLS & LLS) | 26. Variable Frequency Drive (VFD) (*) | 34. Lower Manhole |
| 7. EV7 Air Bleed PV | 17. Clamp Saddle | 27. Vacuum Transfer Unit | 35. Viewing Window |
| 8. EV8 Rinse PV | 18. Flow Sensor (FT) | 28. Vacuum Transfer Hose | |
| 9. Pumps (*) | 19. Manual Valves (*) | | |
| 10. Blower Pump | 20. Pressure Sensor (PT2) | | |

(*) = Not included



Atecpool Pneumatic Valves and Accessories

For Reg-X and Reg-Stark

Atecpool pneumatic actuator



Model	Description	Total units
		(per box)
HO85DE	Pneumatic Actuator PVC EPDM	1

Atecpool Butterfly Valves

With pneumatic actuator / SE / EPDM



Model	Description	Total units
		(per box)
1009130	Butterfly Valve Pneumatic PVC EPDM D75	1
1009138	Butterfly Valve Pneumatic PVC EPDM D110	1
1009109	Butterfly Valve Pneumatic PVC EPDM D125	1
1009110	Butterfly Valve Pneumatic PVC EPDM D140	1
1009116	Butterfly Valve Pneumatic PVC EPDM D160	1
1009117	Butterfly Valve Pneumatic PVC EPDM D200	1
1009118	Butterfly Valve Pneumatic PVC EPDM D250	1
1009873	Butterfly Valve Pneumatic PVC EPDM D315	1

Atecpool Ball Valves

With pneumatic actuator / SE / EPDM



Model	Description	Total units
		(per box)
1009255	Ball Valve Pneumatic PVC EPDM 1"	1
1009230	Ball Valve Pneumatic PVC EPDM 1 1/4"	1
1009232	Ball Valve Pneumatic PVC EPDM 2"	1

Atecpool Air Blower



Model	Description	Total units
		(per box)
AH210-131	Air Blower 0.75 kW/145m³/hr 230V 160mbar	1

Air compressor



Model	Description	Total units
		(per box)
BAC100	Air compressor 8 bar / 15 ltrs	1

Vacuum Machine



Model	Description	Total units
		(per box)
BAY30	Vacuum Machine with longer tubes 1.2 kW	1



ATECPOOL FILTRATION

NEXT GENERATION OF FILTERING

The healthy core of a swimming pool



Water
Care



High
Quality



Great
Finishing



Long
life-span



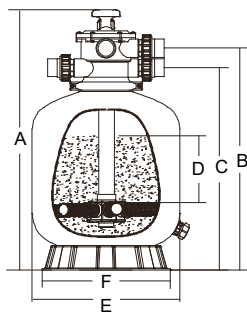
Atecpool Bobinados Plus

Bobbin Wound Filters

Atecpool Bobinados Plus Top Mounted Filter

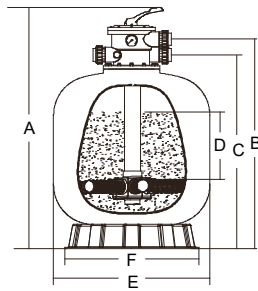
- Bobbin-wound fiberglass reinforced tank with UV-resistant surface finish
- Supplied with pressure gauge, manual air vent, water purge and multiport valve
- Maximum working pressure: 2.5 kg/cm²
- Testing Pressure: 4 kg/cm².
- Max temperature of 50°C.
- Filters with 4Kg/cm² working pressure can be made on request.
- Universal standard of union connection provided
- Suggested size of media: 0.5 - 0.8 mm
- Maximum filtration velocity: 50 m³/hr/m²
- Equipped with top multiport valve with 6-way functions.
- ABS Laterals.

ATECPOOL Bobinados Plus Clamp Style MPV



Code	Diameter	Max Flow	Valve Connections	Sand
	Ø mm		m ³ /h	
31350	350	4.5	1.5"	20
31400	400	6.5	1.5"	35
31450	450	8	1.5"	45
31500	500	11	1.5"	85
31650	650	16	1.5"	145
31700	700	20	1.5"	210

ATECPOOL Bobinados Plus Screw Type MPV



Code	Diameter	Max Flow	Valve Connections	Sand
	Ø mm		m ³ /h	
31800	800	25	2.0"	355
31900	900	31	2.0"	470
32100	1000	39.50	2.5"	620
32200	1200	56.50	2.5"	860

Maximum filtration velocity: 50 m³/h/m² - Maximum working pressure: 2.5 kg/cm² - Testing Pressure: 4 kg/cm².

Code	Filtration Area	Dimensions (mm)					
		A	B	C	D	E	F
	m ²	mm					
31350	0.09	726	619	550	160	355	298
31400	0.13	757	640	590	175	410	390
31450	0.16	814	698	638	210	455	390
31500	0.22	845	730	670	235	535	500
31650	0.32	950	835	775	300	635	500
31700	0.40	1020	905	845	330	710	500
31800	0.50	1200	1085	1002	425	800	780
31900	0.64	1300	1172	1090	480	900	780
32100	0.79	1434	1410	1160	580	1000	780
32200	1.13	1634	1620	1368	740	1200	1000

These codes include the filter valve.

Recommended to be used with Activated Filtration Media



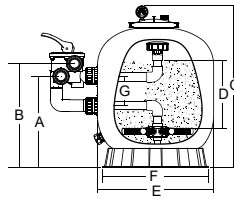
Atecpool Bobinados Plus

Bobbin Wound Filters

Atecpool Bobinados Plus Side Mounted Filter

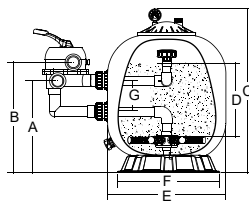
- Bobbin-wound fiberglass reinforced tank with UV-resistant surface finish
- Transparent lid is designed for easy inspection of sand bed.
- Supplied with pressure gauge, manual air vent, water purge and multiport valve.
- Maximum working pressure: 2.5 kg/cm²
- Testing Pressure: 4 kg/cm².
- Max temperature of 50°C
- Universal standard of union connection provided
- Suggested size of media : 0.5-0.8 mm
- Equipped with side multiport valve with 6-way functions.
- Maximum Filtration Velocity : 50 m³/hr/m².
- ABS Laterals.
- Filters with 4Kg/cm² working pressure can be made on request.

ATECPPOOL Bobinados Plus Transparent Lid Model



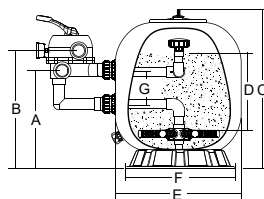
Code	Diameter	Max Flow	Valve Connections	Sand
	Ø mm	m ³ /h	inches	kg
60450	450	8	1 1/2"	45
60500	500	11	1 1/2"	85
60650	650	16	1 1/2"	145
60700	700	20	1 1/2"	210

ATECPPOOL Bobinados Plus Injected Lid with Bolts



Code	Diameter	Max Flow	Valve Connections	Sand
	Ø mm	m ³ /h	inches	kg
60702	700	20.5	2"	215
60800	800	26.5	2"	355
60900	900	30	2"	470

ATECPPOOL Bobinados Plus Quick Closing Lid



Code	Diameter	Max Flow	Valve Connections	Sand	Gravel
	Ø mm	m ³ /h	inches	kg	kg
60902	900	33	2 1/2"	320	150
61000	1000	40.20	2"	420	200
61002	1000	41	2 1/2"	420	200
61200	1200	52.80	2"	610	250
61202	1200	58.50	2 1/2"	610	250

Maximum filtration velocity: 50 m³/h/m² - Maximum working pressure: 2.5 kg/cm² - Testing Pressure: 4 kg/cm².

Code	Filtration Area m ²	Dimensions (mm)						
		A	B	C	D	E	F	G
60450	0.16	360	420	730	210	455	390	125
60500	0.22	390	450	770	235	535	500	125
60650	0.32	430	490	850	300	635	500	125
60700	0.40	450	510	960	330	710	500	125
60702	0.41	520	606	890	390	723	500	220
60800	0.53	560	646	1050	425	820	780	220
60900	0.66	610	696	1180	480	920	780	220
60902	0.66	673	744	1180	380	920	780	236
61000	0.82	700	770	1220	580	1020	780	220
61002	0.82	773	844	1220	480	1020	780	236
61200	1.17	820	1005	1410	740	1220	1000	220
61202	1.17	836	1079	1410	640	1220	1000	236

These codes include the filter valve.

Recommended to be used with Activated Filtration Media



Atecpool Blow Moulded Electa Filter

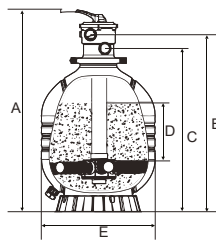
Electa Filter Specifications

Atecpool innovative design and advanced technology offers superior filtration performance and crystal clear water. Electa Filter is blown at one-piece with high density polyethylene for its heavy duty performance and reliability.

- Unique one-piece clamp with screw-type lock designed to simplify installation and allow tool-free servicing.
- Maximum working pressure 2.5 bar

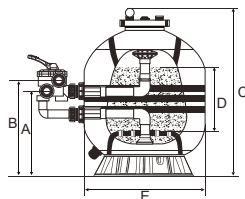
- Max temperature of 50°C (122°F)
- Universal Standard of union connection provided
- ABS lateral provided
- Suggested size of media: 0.5 - 0.8 mm
- Equipped with multiport valve with 6-way functions.
- Easy-to-read pressure gauge for easy inspection.
- Maximum Filtration Velocity : 50 m³/hr/m².

Electa Top Mounted Sand Filters



Code	Diameter	Max Flow	Valve Connections	Sand
	Ø mm	m ³ /h	inches	kg
55450	450	7	1 1/2"	40
55510	510	10	1 1/2"	70
55610	610	14	1 1/2"	125
55700	700	18	1 1/2"	185
55800	800	23.5	2"	320
55900	900	30.5	2"	430

Electa Side Mounted Sand Filters



Code	Diameter	Max Flow	Valve Connections	Sand
	Ø mm	m ³ /h	inches	kg
51450	450	7	1 1/2"	40
51510	510	10	1 1/2"	70
51610	610	14	1 1/2"	125
51700	700	18	1 1/2"	185
51800	800	23.5	2"	320
51900	900	30.5	2"	430

Maximum filtration velocity: 50 m³/h/m² - Maximum working pressure: 2.5 kg/cm² - Testing Pressure: 4 kg/cm².

Code	Diameter	Valve Connection	Filtration Area	Dimensions				
				A	B	C	D	E
TOP MOUNTED	Ø mm	inches	m ²	mm				
55450	450	1 1/2"	0.14	816	695	625	195	450
55510	510	1 1/2"	0.20	889	772	712	225	510
55610	610	1 1/2"	0.28	980	860	800	280	610
55700	700	1 1/2"	0.36	1133	976	910	300	700
55800	800	2"	0.47	1178	1021	955	370	800
55900	900	2"	0.61	1296	1139	1073	440	900
SIDE MOUNTED								
51450	450	1 1/2"	0.14	354.4	417.5	670	195	450
51510	510	1 1/2"	0.20	396.3	549.3	760	225	510
51610	610	1 1/2"	0.28	429.5	492.5	825	280	610
51700	700	1 1/2"	0.36	459.5	545.5	946	300	700
51800	800	2"	0.47	508.0	594.0	968	370	800
51900	900	2"	0.61	564.0	650.0	1086	440	900

Recommended to be used with Activated Filtration Media



These codes include the filter valve. Velocity=50m³/h/m²

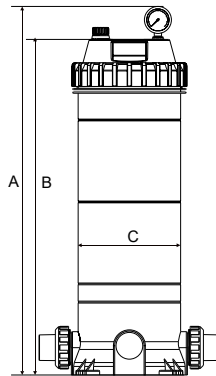


Atecpool Cartridge Filter

PP & Fiberglass body

Atecpool Cartridge Filter

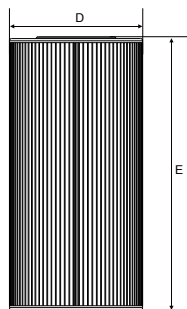
- Body made in PP and fiberglass.
- Complete with pressure gauge and manual air vent.
- Compact and light weight.
- Heavy duty ring-lock lid allows easy cleaning and replacement of the cartridge element.
- High Filtration Capacity.
- Screw type air bleeder for easy removal of trapped air inside the filter tank.
- Maximum water temperature: 40°C
- Maximum operation pressure: 2.5 Bar.
- Filtration velocity of 1.8 m³/hr/m²



Code	Filtration area	Valve Connections	Max Flow Rate	Dimension (mm)		
	m ²			m ³ /h	A (Height)	B
087510	2.25	1.5"	5.5	445	387	225
087511	4.63	1.5"	11.4	625	567	225
087512	7	1.5"	17.0	805	747	225
087513	9.4	2"	22.9	985	927	225
087514	13.72	2"	33.4	1165	1107	225
087515	166.82	2"	40.9	1345	1287	225

Atecpool Replacement Cartridge

High quality cartridge element for long life filtration. Suitable for Spa.



Code	Dimensions (mm)		Micron
	D Ø	E (Height)	µm
087510 C	183	184.5	≤15
087511 C	183	364.5	≤15
087512 C	183	544.5	≤15
087513 C	183	724.5	≤15
087514 C	183	904.5	≤15
087515 C	183	1091	≤15

Atecpool Bobinados Commercial

Bobbin Wound Filters

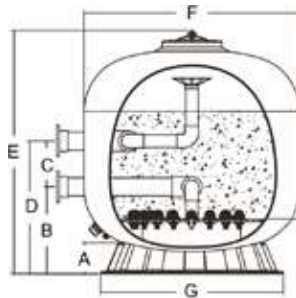
Atecpool Commercial Filter

Filter diameters ranges from 1200 - 2500 mm.
Developed to meet the most demanding installations for:

- Olympic pools, semi-olympic pools, aquatic parks and water treatment.
- Maximum working pressure: 2.5 kg/cm².
Filters with 4Kg/cm² working pressure can be made on request.
- Extensive construction with polyester and glass fiber winding
- High resistance and high quality of water filtration.
- Spiral cover system supports the operations of opening and closing.
- Filters supplied with flange connection from 3" to 8" for connection to a battery of 4/5 butterfly valves.

- For ozone applications, filters can be lined with vinyl-ester on demand.
- Standard internal distribution system: collector arms.
- The distance between the upper part of the sand layer and the diffuser head is increased to ensure greater distribution of water in the filtration phase and avoid sand spill into the laterals during backwashing.

Valve manifold frontal piping or Butterfly valve assembly to be ordered separately.



Standard internal distribution system



Nozzle plate internal distribution system

Recommended to be used with Activated Filtration Media



Code	Diameter	Filtration Velocity	Flow Rate	Valve Connections	Filtration Area	Sand	Gravel
	Ø mm	m ³ /h/m ²	m ³ /h	inches	m ²	kg	kg
06831200	1200	30	33	3"	113	900	300
		40	45				
06831400	1400	30	46	4"	1.54	1350	500
		40	61				
06831600	1600	30	60	4"	2.01	2300	750
		40	80				
06831800	1800	30	76	6"	2.54	2900	900
		40	101				
06832000	2000	30	94	6"	3.14	4000	1150
		40	125				
06832350	2350	30	130	8"	4.34	6000	1600
		40	173				
06832500	2500	30	147	8"	4.90	6700	1800
		40	196				

Code	Diameter	A	B	C	D	E	F	G
	D Ø mm							
06831200	1200	170	565	350	915	1410	1200	1000
06831400	1400	190	565	350	915	1570	1400	1220
06831600	1600	200	650	350	1000	1740	1620	1365
06831800	1800	220	690	415	1105	2040	1790	1630
06832000	2000	220	770	415	1185	2210	1945	1630
06832350	2350	230	950	550	1500	2510	2375	1800
06832500	2500	230	1050	550	1600	2670	2495	1800



Options:

- Side manhole: Ø400mm
- Sight glass: 114mm
- Air purge: 20mm
- Nozzle plate distributor



Maximum working pressure: 2.5 kg/cm² (4kg/cm² on request)

Testing pressure: 4kg / cm².

Operating Water Temperature: 1-50°C

Note:

- On demand, filters with special heights can be produced.
- Filters of Ø2350 and above may require special transportation.

Atecpool Bobinados Commercial Plus

Bobbin Wound Filters

Filtration Bed 1 meter

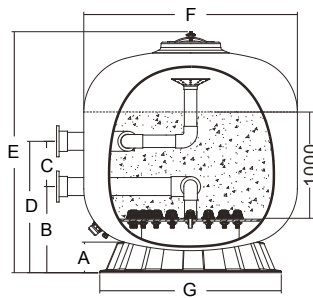
Atecpool Commercial Plus Filter

Filter diameters ranges from 1050 - 2200 mm.
Developed to meet the most demanding installations for:

- Olympic pools, semi-olympic pools, aquatic parks and water treatment.
- Maximum working pressure: 2.5 kg/cm².
Filters with 4 kg/cm² working pressure can be made on request.
- Extensive construction with polyester and glass fiber winding
- High resistance and high quality of water filtration.
- Spiral cover system supports the operations of opening and closing.

- Filters supplied with flange connection from 3" to 8" for connection to a battery of 4/5 butterfly valves.
- For ozone applications, filters can be lined with vinyl-ester on demand.
- Standard internal distribution system: collector arms
- The distance between the upper part of the sand layer and the diffuser head is increased to ensure greater distribution of water in the filtration phase and avoid sand spill into the laterals during backwashing.

Valve manifold frontal piping or butterfly valve assembly to be ordered separately.



Standard internal distribution system



Nozzle plate internal distribution system

Recommended to be used with Activated Filtration Media



Code	Diameter	Filtration Velocity	Flow Rate	Flanges Connections	Filtration Area	Sand	Gravel
	Ø mm	m ³ /h/m ²	m ³ /h	inches	m ²	kg	kg
06851050	1050	30	25.8	3"	0.86	1105	265
		40	34.4				
06851200	1200	30	33.9	3"	1.13	1470	380
		40	45.2				
06851400	1400	30	46.2	4"	1.54	1980	410
		40	61.6				
06851600	1600	30	60.3	4"	2.01	2610	500
		40	80.4				
06851800	1800	30	76.2	6"	2.54	3310	620
		40	101.6				
06852000	2000	30	94.2	6"	3.14	4030	730
		40	125.6				
06852200	2200	30	114	8"	3.80	4940	1440
		40	152				



Options:

- Side manhole: Ø400
- Sight glass: 114mm
- Air purge: 20mm
- Nozzle plate distributor



Maximum working pressure: 2.5 kg/cm² (4 kg/cm² on request)

Testing pressure: 4kg / cm².

Max water temperature: 43°C

Note:

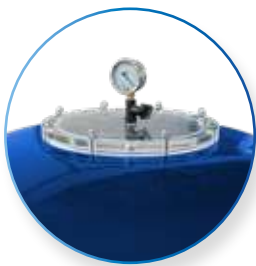
- On demand, filters with special heights can be produced.

Code	Diameter	A	B	C	D	E	F	G
	D Ø mm	mm						
06851050	1050	170	625	550	1175	1816	1050	960
06851200	1200	190	630	550	1180	1816	1200	995
06851400	1400	200	630	550	1180	1816	1400	1220
06851600	1600	220	720	490	1210	1916	1600	1365
06851800	1800	220	750	440	1190	1956	1800	1630
06852000	2000	230	770	490	1260	2060	2000	1630
06852200	2200	230	940	500	1440	2376	2200	1800

Atecpool Baltico

1.2 mtr Bed Filter

Filtration Bed 1.2 meter



Atecpool Baltico

Commercial filters for public pools, made with industrial standards, reinforced fibreglass tank, UV resistant. Bottom with nozzles plate. Top lid and side lid of 400mm made in reinforced fibreglass. Equipped as standard with overpressure safety valve.

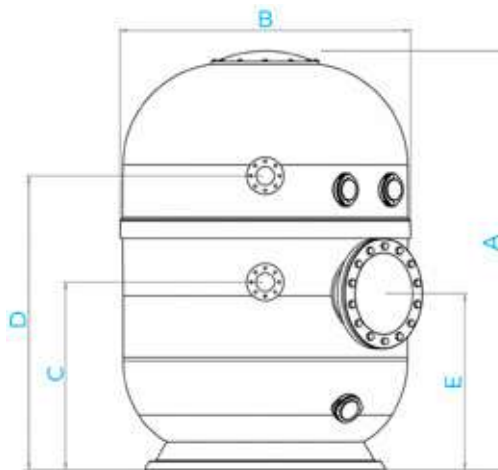
Atecpool Baltico Specifications

- Bed depth: 1.2 meter.
- Drain set dia 75mm. plug 1".
- PVC connection flanges.
- Filter with special ozone treatment available under request.
- OPTIONAL: 5 valves battery with PVC connections.
- OPTIONAL: sight glass FIMIR400 (2 units).
- OPTIONAL: side manhole FIBHL400.

Functions

- Working pressure 0,6 - 2 kg/cm²
- Maximum pressure 2,5 kg/cm²
- Testing pressure 3,75 kg/cm²
- Operating temperature 1° - 40°C
- Top lid Ø 400 mm
- Side manhole Ø 400 mm
- Drain water/sand 1" / 3"
- Bed depth 1200 mm
- Two sightglasses - optional Ø 90 mm

Atecpool Baltico Filter dimensions



Atecpool Baltico Filter Specifications

Code	Ø		Filtration Area	Filtration Velocity	Max Flow	Dimensions (mm)					Gravel (1-2mm)	Sand (0.4-0.8mm)
	mm	mm				A	B	C	D	E		
BTC105020	1050	63	0.87	20	17	2037	1050	917	1437	861	200	1320
BTC105034	1050	75	0.87	30-40	26-34	2037	1050	917	1437	861	200	1320
BTC105050	1050	90	0.87	50	43	2037	1050	917	1437	861	200	1320
BTC120023	1200	75	1.13	20-30	23-34	2037	1200	917	1437	861	250	1740
BTC120045	1200	90	1.13	40-50	45-56	2037	1200	917	1437	861	250	1740
BTC120055	1200	110	1.13	50	60	2037	1200	917	1437	861	250	1740
BTC140020	1400	75	1.54	20	31	2037	1400	917	1437	861	375	2460
BTC140030	1400	90	1.54	30	46	2037	1400	917	1437	861	375	2460
BTC140045	1400	110	1.54	40-50	62-77	2037	1400	917	1437	861	375	2460
BTC160020	1600	90	2.01	20	40	2037	1600	917	1437	861	500	2820
BTC160034	1600	110	2.01	30-40	60-80	2037	1600	917	1437	861	500	2820
BTC160050	1600	125	2.01	50	100	2037	1600	917	1437	861	500	2820
BTC180020	1800	90	2.54	20	51	2262	1800	932	1652	861	750	4020
BTC180030	1800	110	2.54	30	76	2262	1800	700	1652	861	750	4020
BTC180040	1800	125	2.54	40	102	2262	1800	700	1652	861	750	4020
BTC180050	1800	140	2.54	50	125	2262	1800	700	1652	861	750	4020
BTC200020	2000	110	3.14	20	63	2262	2000	700	1652	861	1000	5160
BTC200030	2000	125	3.14	30	94	2262	2000	700	1652	861	1000	5160
BTC200040	2000	140	3.14	40	125	2262	2000	700	1652	861	1000	5160
BTC200050	2000	160	3.14	50	157	2262	2000	700	1652	861	1000	5160

Atecpool Inox AISI 316

Stainless Steel Filter

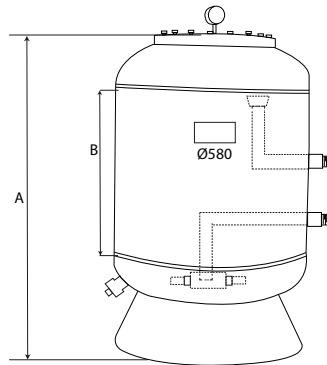
Atecpool Zodiac Stainless Steel AISI 316 Filter

- Made from high-quality stainless steel AISI 316.
- SS316 L (marine grade) upon request.
- Maximum working pressure: 3 kg/cm²
- Stainless steel sheet thickness (T) 1.5 mm
- Upto 10 bar working pressure upon special request
- Inlet / Outlet: 2" threaded, no valve included
- Top lid: DN300, silicon gasket with screws
- Side manhole : DN 140, silicon gasket with screws
- Leg: skirt type / Drain port 59 mm
- Mirror finish
- Water distribution : laterals
- Manual air release valve 1"



Working Pressure : 3Kg/cm² - Testing Pressure: 4kg/cm² - Filtration Velocity 50m³/h/m²

Code	Diameter Ø	Flow Rate (m ³ /h)	Filtration Area m ²	Valve Connection	Sand (kg)	Dimensions (mm)	
	mm	m ³ /h	m ²	inch		A	B
77500	580	13	0.26	2"	150	950	500
78900	900	31	0.66	2"	500	1343	750

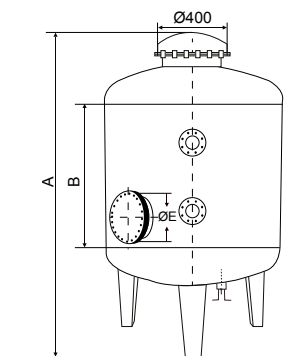


Atecpool Classic Stainless Steel AISI 316 Filter



Atecpool Classic Stainless Steel AISI 316 Filter

- Made from high-quality stainless steel AISI 316.
- SS316L (marine grade) upon request.
- Maximum working pressure: 3 kg/cm² / stainless steel sheet thickness (T) 3 mm
- Upto 10 bar or higher pressure upon special request
- Inlet / Outlet : Flange type
- Top lid: DN400, silicon gasket with screws
- Side manhole: DN 300 , silicon gasket with screws
- Leg: 3 legs / Drain port 89 mm
- Water distribution : Laterals
- Manual air release valve 1" , auto air release on request.



Working Pressure : 3 Kg/cm² - Testing Pressure: 4kg/cm² - Filtration velocity 50m³/h/m²

Code	Diameter Ø	Flow Rate (m ³ /h)	Filtration Area m ²	Flange Connection	Sand (kg)	Dimensions (mm)		
	mm	m ³ /h	m ²			A	B	E
781200	1200	57	1.13	3" flange	1550	2110	1225	Ø300
781400	1400	78	1.54	4" flange	2260	2230	1225	Ø300
781600	1600	101	2.01	4" flange	3100	2410	1230	Ø300
781800	1800	127	2.54	6" flange	3850	2470	1230	Ø300
782000	2000	157	3.14	6" flange	5000	2490	1235	Ø300



Options:

- Air purge: 20mm
- Sight glass: 114mm
- Side manhole: DN 300



Atecpool Valve Manifold

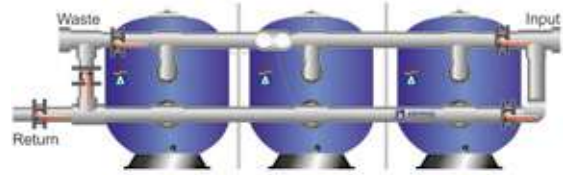
Manual or Automatically driven

Atecpool Manual Valve Manifold

A Manual Valve Manifold for commercial filter applications, fitted with PVC pipes and fittings. Butterfly valves or ball valves in PVC. Comes with double glass pressure gauge.

All manual or automatically driven valve manifolds are made with flanges for connections to filters as per DIN-2501 standard.

All manifolds are supplied assembled without support brackets.



Code	Description	Connections	
			inches
AV275	5-valve manifold	D80	3"
AV290	5-valve manifold	D100	4"
AV211	5-valve manifold	D150	6"
AV212	5-valve manifold	D200	8"



Atecpool Automatic Valve Manifold

Automatic valve manifold sets are delivered completely assembled including a manometer panel with testing valves and the pipe supports (pipe supports are only supplied for filters with connections larger than 90 mm).

Supplied with automatic PVC butterfly valves with **electric** or **pneumatic** actuator.

Control panel for valve manifold to be used with electrically or pneumatically actuated valves. Fitted within the control panel, automatic programming installation that allows the execution of automatic filtration, backwashing, rinsing and shut-down operations. Control panel supplied together with automatic valves. 230 V single phase with factory programmed automation.

Each valve battery consists of 5 butterfly valves, control panel, manometer and pipes, fully assembled.



Atecpool Valve Manifold - Electrically actuated

Code	Description	Connections	
			inches
AVO683	5 - valve battery E	D80	3"
AVO684	5 - valve battery E	D100	4"
AVO685	5 - valve battery E	D150	6"
AVO686	5 - valve battery E	D200	8"

Atecpool Valve Manifold - Pneumatically actuated

Code	Description	Connection	
			inches
AVO691	5 - valve battery P	D80	3"
AVO692	5 - valve battery P	D100	4"
AVO693	5 - valve battery P	D150	6"
AVO694	5 - valve battery P	D200	8"

Atecpool Besgo

Automatic Backwash

Atecpool Automatic Backwash

Atecpool Besgo backwash valves of U-PVC are pneumatic and can be operated with water or air pressure. Solenoid valve included with emergency manual override. Sizes DN40 / D50 to DN100 / D110.

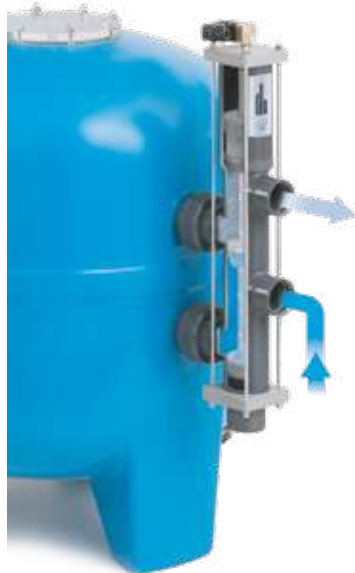
- **Outstanding reliability:** The automatic backwash valve opens by means of water pressure and closes under pressure from a spring. In the eventuality of electrical failure the Atecpool Besgo valve returns automatically to the "Filter" position. Unintentional draining of the pool is not possible.
- **Switching over** from "Filter" to "Backwash" does not require the filter pump to be stopped.
- **Low pressure drop:** This results in a high velocity backwash which is particularly important for an almost pressure-free backwash.

Specifications:

- **Material**
Inner parts: stainless steel V4A
Seals: Viton / Teflon
- **Actuation**
Closing when not under pressure
spring-activated
- **Actuating pressure**
3 to 5 bar mains water or compressed air
- **Operating pressure**
Max. 3.5 bar
- **Solenoid valve**
The solenoid valve serves to control the hydraulic drive system and can be connected to any customary control system. Closed when electric power off.
Electrical connection: 230V/50 Hz.

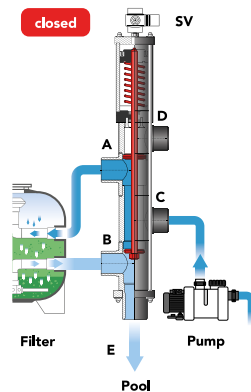


Code	Description	Connection	Flow Rate
		inches	m³/h
AV3103	DN40 / D50	1.5"	20
AV3201	DN50 / D63	2"	30
AV3301	DN65 / D75	2.5"	45
AV3401	DN80 / D90	3"	65
AV3501	DN100 / D110	4"	95



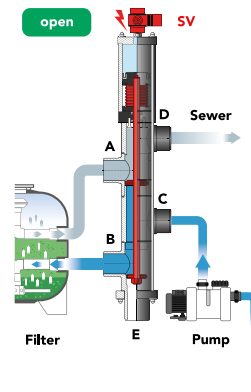
Filtration mode

Solenoid valve closed



Backwash mode

Solenoid valve open



References:

- SV:** Solenoid valve
A: Filter connection (inlet)
B: Filter connection (outlet)
C: Connection to the filtration pump
D: Connection to the backwash pipe (sewer)
E: Connection to the pool (filtered water)



Control Panel



Air compressor



Pressure switch

Accessories

- **Control Panel** for Besgo operation.
- **Air Compressor** 1.1kW, 230V, vessel size 24lt, pressure max 8 bar, 22 kg, volume 92dB, w/ pressure reducer.
- **Pressure switch** Installation unit 3/8" Besgo, water pressure control composed of: manometer 0-10 bar, non-return valve, fine filter, stop-tap.

Code	Description
BCP10	Control Panel for Besgo Valve
BAC25	Air Compressor 11 kW / 230V / 8 Bar
BPS35	Pressure Switch with connection kit



Atecpool Multiport Valves

Six-way valves

Functions

- Filter: Normal filtration and vacuuming
- Backwash: Cleans filter by reversing water flow
- Rinse: Used after backwash to flush dirt from valve and pipes
- Waste: Filter by-pass option to discharge dirt from vacuuming to waste or to lower water level
- Recirculate: Filter by-pass option to circulate water back to pool directly
- Close: Stops all flow to filter or pool. Housing, cover and handle are made of ABS, gasket in EPDM and metallic components in S.S. and distributor in PPE.
- Multiport valves (MPV) are available in 2 different configurations.
 - Top and Side Multiport valves.
 - Top Multiport valve has two connections. 1½" and 2".
 - Side Multiport valve has three connections. 1½" and 2".

1½" TOP multiport valve ELECTA Filter



Code	Dimension	Colour	Weight	Volume pkg
	mm inch		kg	m³
726103	50 1 1/2"	Black	3.8	0.02

2" TOP multiport valve ELECTA Filter



Code	Dimension	Colour	Weight	Volume pkg
	mm inch		kg	m³
726104	63 2"	Black	5	0.028

1½" SIDE multiport valve ELECTA Filter



Code	Dimension	Colour	Weight	Volume pkg
	mm inch		kg	m³
726105	50 1 1/2"	Black	3.8	0.02

2" SIDE multiport valve ELECTA Filter



Code	Dimension	Colour	Weight	Volume pkg
	mm inch		kg	m³
726106	63 2"	Black	5	0.028

1½" TOP multiport valve BOBINADOS SERIE



Code	Dimension	Colour	Weight	Volume pkg
	mm inch		kg	m³
0683150	50 1 1/2"	Black	3.8	0.02

2" TOP multiport valve BOBINADOS SERIE



Code	Dimension	Colour	Weight	Volume pkg
	mm inch		kg	m³
0683200	63 2"	Black	5	0.028

1½" SIDE multiport valve BOBINADOS SERIE



Code	Dimension	Colour	Weight	Volume pkg
	mm inch		kg	m³
0684150	50 1 1/2"	Black	3.8	0.02

2" & 2½" SIDE multiport valve BOBINADOS SERIE



Code	Dimension	Colour	Weight	Volume pkg
	mm inch		kg	m³
0684200	63 2"	Black	5	0.04
0684250	75 2 1/2"	Black	7	0.06

Automatic Selector Valves



2030845



2030841/3

Features

- Innovative design.
- Easy to install.
- Low weight and volume.
- High impact-resistant cover.
- Water and dust resistant (IP 65).
- Complies with CE regulations.
- Automatic pump shutdown during valve position changes.

Options

- Solenoid valve in the drain: Optional Safety system to protect against potential lacks of power supplies during valve position changes.
- Optional control panel-Direct connection with the installation's existing control box.

Maximum working pressure: 3.5 bar - Maximum testing pressure 5.2 bar

Code	Description	Position	Maximum Flow	Power Supply	Programming
2030841	Automatic Selector Valve Basic 1½"	Side-mount	14 m³/h (62 GPM)	230 / 115 VAC	Programmed via a touch-sensitive keypad
2030843	Automatic Selector Valve Basic 2"	Side-mount	18 m³/h (80 GPM)		
2030845	Automatic Selector Valve Flat 1½"	Top	12m³/h - (53 GPM)	230 / 115 VAC	Backwash time programmed via potentiometer in the electronic board.
2030842	Automatic Selector Valve Flat 1½"	Side-mount	12m³/h - (53 GPM)		



ATECPOOL PIPELESS FILTRATION

EASY AND EFFICIENT

The easiest way to filtrate your swimming pool water



Wall Mounted Filter Pipeless

Pools until 45 m³ max.
Length max.: 7 m

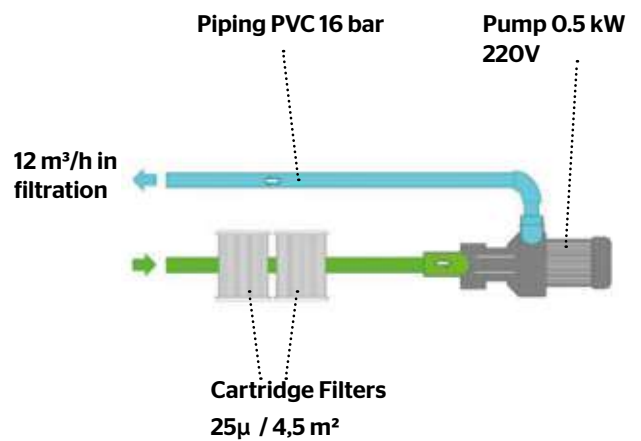
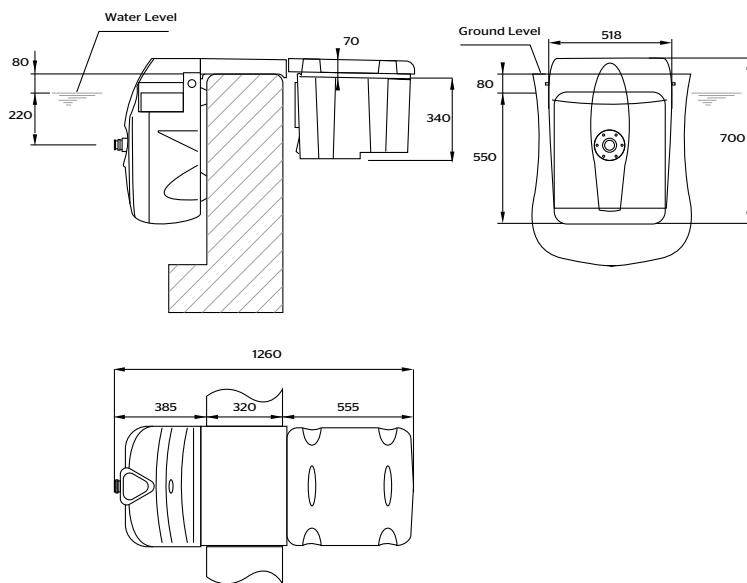
Compak Kit WPCKIT12 - Wall Mounted Filter

The enclosure of the wall-mounted filter is made of ABS, anti-acid-fading and easy to clean, integrated filter installation without plant room, easy installation, convenient operation, and excellent performance reducing the construction costs. The filter is made according to international standards.



Specifications

1. Removable cover with a mechanical safety (lock)
2. Control box for filtration (automatic or manual) and lighting
3. Buried part containing: Filtration pump (12 m³/h)
4. Double filtration cartridges + basket collecting leaves
5. Skimmers, two openings for water suction
6. Directional heavy flow rate
7. LED light + remote control w/ color in option



Code	Description
WPCKIT12	Compak Kit Wall Mounted Filter 12 m ³ /h

Equipment

Filtration Pump	12 m ³ /h 0,5Kw
2 cartridges	Area : 4,5 m ² / Fineness : 25µ
LED light	30 Led - 4,5 W
Body	ABS-PMMA materials (thermoformed)

Optional

- Colored LED light + remote control

Wall Mounted Filter Pipeless

Compak Kit WPCKIT25 - Wall Mounted Filter

The enclosure of the wall-mounted filter is made of ABS, anti-acid-fading and easy to clean, integrated filter installation without plant room, easy installation, convenient operation and excellent performance reducing construction costs. The filter is made according to international standards.

Specifications

- Dimensions: 1450 x 530 x 1060 mm
- Flow Rate: 25 m³/h
- Voltage: 220-240V / 50 Hz or 60 Hz
- Precision of filtration bag: $\leq 5\mu\text{m}$
- Operation noise: ≤ 50 dB
- Material: ABS
- Installation: Wall mounting

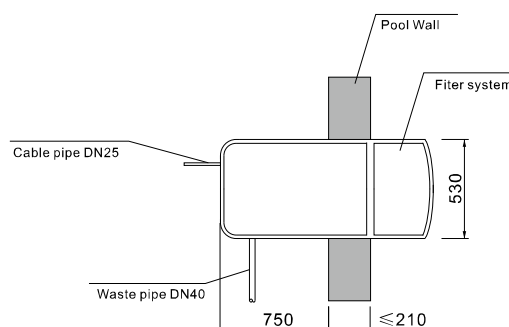
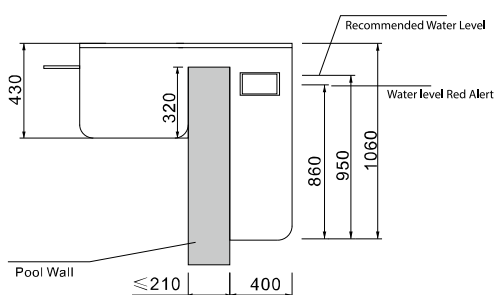
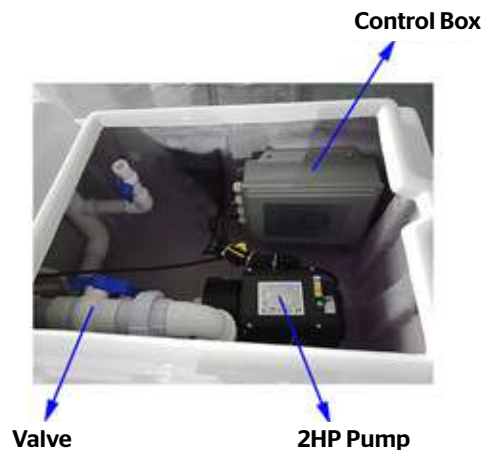


Equipment

Filtration Pump	1 x 2HP
Filtration basket with bag	1 Pc
Light (warm white)	1 x LED 10W / 12V
Time Controller	1 Pc
Swim Jet	2 Pcs
Chlorine Feeder	1 Pc

**Pools until 80 m³ max.
Length max.: 10 m**

Code	Description
WPCKIT25	Compak Kit Wall Mounted Filter 25 m ³ /hr



Wall Mounted Filter Pipeless

WPCKIT25X
Pools until 80 m³ max
Length max: 9 m

WPCKIT35X
Pools until 110 m³ max
Length max: 12 m

Compak Kit WPCKIT25X & WPCKIT35X - Wall Mounted Filter

The enclosure of the wall-mounted filter is made of ABS, anti-acid-fading and easy to clean, the integrated filter installation without plant room, easy installation, convenient operation and excellent performance reducing the construction costs. The filter is made according to international standards.

Specifications

- Dimensions: 1450 x 530 x 1060 mm
- Flow Rate: 25m³/h - 35 m³/h
- Voltage: 220-240 V / 50 Hz
- Precision of filtration bag: ≤ 5 µm
- Operation noise: ≤ 50 dB
- Material: ABS
- Installation: Wall mounting

Code	Description
WPCKIT25X	Compak Kit Wall Mounted Filter 25 m ³ /h
WPCKIT35X	Compak Kit Wall Mounted Filter 35 m ³ /h

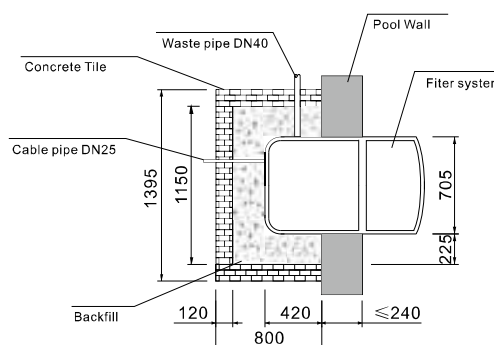
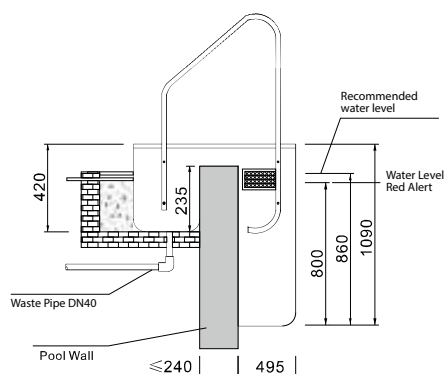
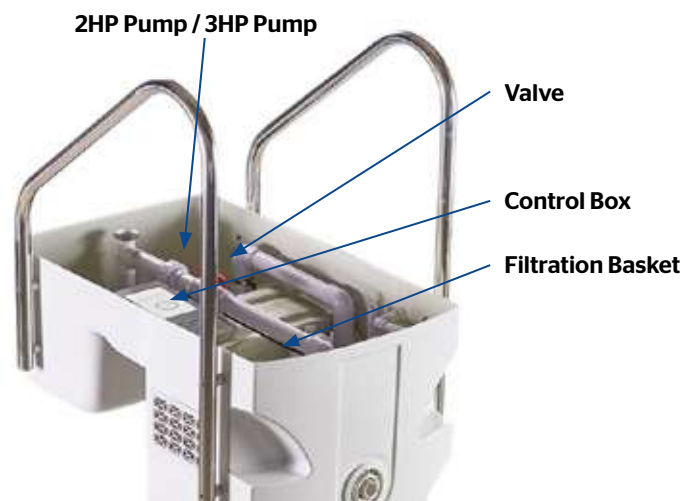
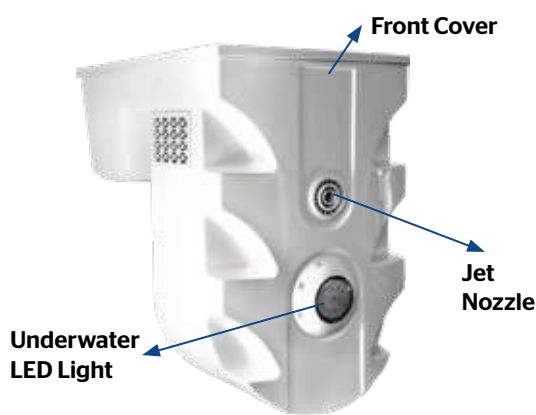


Equipment: WPCKIT25X Technical Data

Filtration Pump	1 x 2HP 25 m ³ /h
Filtration Basket with Bag	1 Pc
Light (Warm White)	1 x LED 10W / 12V
Time Controller	1 Pc
Swim Jet	1 Pcs
Chlorine Feeder	1 Pc

Equipment: WPCKIT35X Technical Data

Filtration Pump	1 x 3HP 35 m ³ /h
Filtration Basket with Bag	2 Pc
Light (Warm White)	1 x LED 10W / 12V
Time Controller	1 Pc
Swim Jet	1 Pcs
Chlorine Feeder	1 Pc



Atecpool Filtration Housings

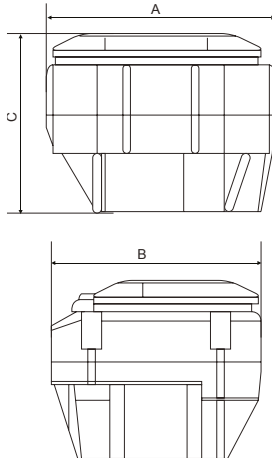
Housings without Inner Assembly

Atecpool Filtration Housing - Compact Unit

Fully In-ground or Semi in-ground model. Base and lid made of LDPE. Complete with double sided wall joints and water drainage. Standard unit that has the capacity for a filter upto size Ø700 mm, a pump, booter pump and a submersible pump. A 4kg Inline chlorine feeder can be optionally fitted in.



Compact unit



Caseta

Custom built filtration housing, body made of FRP.

Code	Description	A	B	C	Max. Size (holding capacity inside)
081508	Compact Unit	1489	1380	1165	Filter Ø700 mm Dia, 2 HP pump. Booster pump, submersible pump.
081519	Caseta	-	-	-	Custom made FRP filtration housing based on request.

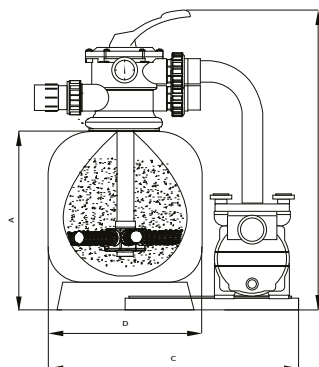
Empty filtration housing, no equipment included.

Atecpool Filtration Kit

Monobloc filtration groups for small and domestic swimming pools. Set of Bobbin-wound filter, 6 ways selector valve, pump, other components: baseplate, flexible PVC hose, union sleeves, manometer.



Filtration Kit



Code	Filter	Pump	A	C	D	H	Connections	Sand
							mm	kg
6991400	Ø410	micro 0.33HP	515	750	410	770	1" ½ - 50	34
6991410	Ø410	micro 0.5HP	575	790	450	770	1" ½ - 50	34

Empty filtration housing, no equipment included.

Atecpool Filtration Trolley Kit

Portable Filtration

Atecpool Portable Filtration Kit

- Fast and easy set-up, ready to install.
- Specially sized sand filter with self-priming pump.
- Large pump strainer basket to extend service periods.
- Union connections for quick installation and servicing.
- Control Panel for pump, Electrical Cable 15m, Vacuum Hose 15m length included.
- Extra length hose upon request.



Code	Diameter Ø	Max Flow	Valve Connection	Power			
	mm	m ³ /h	inches	HP	kW	µF	Voltage
06990450	450	7	1 1/2"	0.5	0.37	16	230 - 400V
06990510	510	10	1 1/2"	0.75	0.55	20	230 - 400V
06990610	610	14	1 1/2"	1	0.75	25	230 - 400V

Atecpool Portable Filtration Cartridge Kit

- Fast and easy set-up, ready to install
- Specially sized Cartridge Filter with Horizon Plus pump
- Large pump strainer basket to extend service periods
- Union connections for quick installation and servicing
- Control Panel for pump, Electrical Cable 15m, Vacuum Hose 15m length included



Code	Filtration area	Max Flow	Valve Connection	Power			
	m ²	m ³ /h	inches	HP	kW	µF	Voltage
00595005	2.3	5.5	1 1/2"	0.5	0.37	16	230 - 400V
00597507	4.7	11.4	1 1/2"	0.75	0.55	20	230 - 400V
06997510	7	17.0	1 1/2"	1	0.75	25	230 - 400V
06997610	9.4	22.9	2"	1.5	1	30	230 - 400V



ATECPOOL VIRGIN GLASS MEDIA

NATURE WORKS®

Healthier pool for a healthier planet

Hi-Tech Glass Filter Media

Nature Works® is the latest generation filter media based on virgin recycled glass, designed exclusively for water filtration. Just by changing your current filter media to Nature Works® you will maximize every standard filter's performance. The efficiency of Nature Works® is based on the elimination of the most common particles you can find in a swimming pool that make the water go misty.

Green Advantages:

- **Crystal clear water**
Nature Works® filters much finer than quartz or glass sand.
- **Lower chlorine consumption**
Everything that is filtered out doesn't have to be oxidised.
- **No smell of chlorine**
No heterotrophic bacteria means no trichloramine and thus no disturbing and harmful chlorine smell.
- **No Legionella**
Legionella and many other pathogens grow in the protection of the biofilm. No biofilm means no Legionella.
- **Ecological and economical**
Nature Works® and the integrated system save resources such as water, chlorine and energy.



eco friendly . better filtration . healthier pool system



atecpool.com

Atecpool Filter Media

Virgin Glass Filter Media



Nature Works® - High Calibration Filtration Media

Nature Works® is the latest generation filter media based on virgin recycled glass, designed exclusively for water filtration. Just by changing your current filter media to Nature Works® you will maximize every standard filter's performance.

The efficiency of Nature Works® is based on the elimination of the most common particles you can find in a swimming pool that make the water go misty. This simultaneously maximizes savings and efficiency. We achieve this thanks to a highly selected grain curve and to a surface treatment technology of the grains, which allows us to avoid Biofilm, keep the microchannels open and make the particles totally safe to handle.

	Nature Works® Stage 0	Nature Works® Stage 1
Description	Technical glass high-calibrated for water treatment	Technical glass high-calibrated for the filtration of the swimming pool water and for water treatment
Composition	SiO ₂ (74%), Na ₂ O(11%), CaO(10%)	SiO ₂ (74%); Na ₂ O (11%); CaO (10%) / Purity Level: at least 99.999%, (below detection limit)
Colour	Transparent (Made exclusively from recycled flat glass)	
Particle Density	2.490 kg/m ³	
Bulk Density	1.335 kg/m ³	
Granulometry	1,5 - 2,5 mm	0,6 - 0,8 mm
Packing	20 kg, recyclable paper bag UV-resistant / 1000 kg Bulk Bag	
Filter Filling	20% of Nature Works Stage 0 - as bottom layer 80% of Nature Works Stage 1 - as top layer	



Nature Works® - NW40 Green Glass Media

Nature Works® NW40 is a family of filter media based on recycled glass that has been developed exclusively for liquid filtration. Among other features, it has been purified through the most advanced ecological process and is packaged in HQ recyclable bags. Each type of industrial filtration has different typical suspended matter with different size ranges, therefore each "stage type" of Nature Works® NW40 is focused on retaining different size ranges, simultaneously optimising savings, efficiency and maximizing utility. The target size ranges are enforced using the High Calibration Technology, which allows to control the size and proportion of the micro channels formed in the filter mass to create different "stage type" settings.

	NW40 Stage 0	NW40 Stage 1
Description	High-Calibration glass media for water filtration.	
Composition	SiO ₂ (74%), Na ₂ O(13%), CaO(10.5%), Al ₂ O ₃ (1.3%), K ₂ O(0.3%), SO ₃ (0.2%), MgO(0.2%), Fe ₂ O ₃ (0.04%), TiO ₂ (0.01%)	
Colour	Multicoloured Glass	
Particle Density	2.490 kg/m ³	
Bulk Density	1.290 kg/m ³	1.335 kg/m ³
Granulometry	1,5 - 2,5 mm	0,6 - 1,2 mm
Packing	20 kg, recyclable paper bag UV-resistant / 1000 kg Bulk Bag	
Installation	20% of NW40 Stage 0 - as bottom layer 80% of NW40 Stage 1 - as top layer	

Atecpool Filtration Media

AFM^{®ng}, Sand & Gravel

Atecpool AFM^{®ng} is a unique bio resistant filter media.

AFM[®] was the most effective filter media, AFM^{®ng} 1 achieved 94.6 % at 1 micron at 20 m/hr (8 gpm/ft²).

The data also confirms AFM^{®ng} 1 removed 99.6% of all particles down to 5 microns, and the equivalent grade of sand only achieved 72.97%.

The surface area is 300 times larger than the surface area of sand or other glass filter media. The surface area is important for all adsorptive and catalytic reactions. In contact with the water free radicals (OH-radicals) are formed, which protect the surface from bio-fouling.

AFM^{®ng}: Filters 95% of all particles down to 1 micron.

AFM[®]: Filters 95% of all particles down to 4 microns.

Sand: Filters 95% of all particles down to 20 microns.

Glassand: Filters 95% of all particles >25 microns.



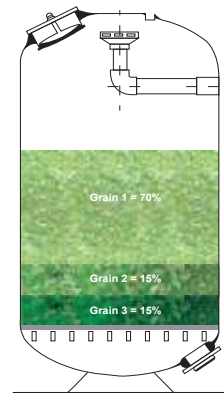
Filter filling:

50 % AFM^{®ng} 1

25 % AFM^{®ng} 2 as supporting layer

25 % AFM3 as supporting layer

For smaller filters (<1000 mm diameter) and for all filters with nozzle plate irrespective of filter diameter, use 50 % of AFM^{®ng} 1 and 50 % of AFM^{®ng} 2. AFM^{®ng} 3 is for larger diameter filters to ensure adequate filtration.



Code	Granulometry	Units	Weight kg	Volume package m ³
AFM ^{®ng} 1	0.4 - 0.8 mm	1	25	0.667
AFM ^{®ng} 2	0.7 - 2.0 mm	1	25	0.667
AFM [®] 3	2.0 - 4.0 mm	1	25	0.667

Filtration Media Silica Sand

25/50 kg bag

Code	Granulometry	Units	Weight kg	Volume package m ³
1000001	0.4-0.8 mm	1	50	0.8
1000001-25	0.4-0.8 mm	1	25	0.4



Gravel

25/50 kg bag

Code	Granulometry	Units	Weight kg	Volume package m ³
1000002	1.0-2.0 mm	1	50	0.8
1000002-25	1.0-2.0 mm	1	25	0.4
1000003	3.0-5.0 mm	1	50	0.8
1000003-25	3.0-5.0 mm	1	25	0.4







ATECPPOOL

POOL

SURROUND

