

Commercial Filters

MEET HIGHEST DEMANDS

Custom-Built Service Available



 **Emaux**
water technology

Commercial Aquatic Equipment

www.emauxgroup.com

Innovative and Enterprising

Emaux is now a recognized global manufacturer that meets and surpasses the expectations of customers with best-in-class products and services. For over 40 years, we have been actively engaged in key water projects worldwide and worked closely with industrial consultants, developers, and engineers alike. The proven performance of our manufacturing solutions makes us the preferred partner for customers seeking a robust water solution to enrich their leisure living and professional experience.

Large Production Centre

Headquartered in Hong Kong and Europe, Emaux owns an 100,000m² purpose-built production centre which locates in a

strategic area in Zhong Shan, China that enables us to serve the local and global markets with advanced products efficiently.

Our experienced R&D team proactively pursues breakthroughs in product innovation and OEM production leveraging know-how in mechanics, automatics, electronics, hydraulics, and plumbing.

The automated manufacturing process employs the most advanced technologies in mould making, plastic blow moulding, plastic injection, fibreglass production, electronic controls, and assembly. Flexible one-stop solutions are provided to meet every need for water treatment and water leisure.



Atlantis in China



Chimlong Ocean Kingdom in China



Gumbuya World in Australia

Project References

Demonstration Site
and Training Centre

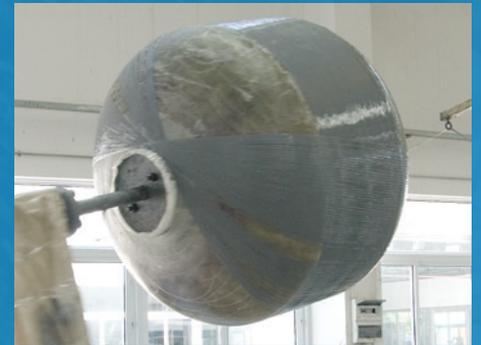
Huge Capacity Advance Technology



Equipped by advanced machinery



Pressure Testing



Bobbin winding

We are your trustworthy water solution partner

With quality at the heart of everything we do, we promise not to compromise on quality and to ensure the optimal performance of our solutions in the most demanding environment. Our production facility is ISO9001:2015 certified, and the most stringent international standards have been met for individual products, including UL, ETL and CSA (Canada and the U.S), TUV-GS and RoHS (Europe), SAA and C-Tick (Australia and New Zealand), CCC (China), and SASO (Saudi Arabia). Rigorous quality control processes are also in place to deliver consistent quality.

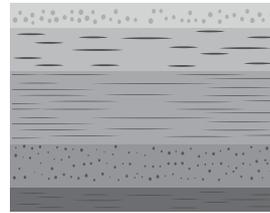
Because we regard quality as the life of enterprise, we have won long-term support and trust of our customers and business partners all over the world. We offer specialized products and custom-built services to :

- * Swimming Pools, Commercial Spa
- * Aquatic centres, Water parks,
- * Aquaculture, Aquariums,
- * Water Features and Large Water Treatment Systems.

Glass Fiber Reinforced Polyester (GRP) Sand Filter

With the professional engineering experience and a large Glass Fiber Reinforced Polyester (GRP) production facility, Emaux is capable to design and manufacture a wide variety of commercial sand filters constructed by a multiple-layer moulded structural inner layer and a continues outer filament winding by computer controlled winding machines.

Multi-layer construction (from inner to outer):



- ① ISO or VE gelcoat barrier, corrosion resistant
- ② Woven roving fibers with ISO polyester resin, water proofing
- ③ Woven roving with high content of fiberglass, structural strength
- ④ Continues outer filament winding with ISO resin, reinforced to withstand pressure
- ⑤ PU surface coating, UV resistant and dirt protection



Large Production Capacity



Reinforced Inner Tank



Computer Controlled Filament Winding

Advantages:



Non-Corrosive



UV Resistance



Chemical Resistance



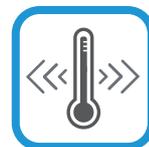
Nil Maintenance



Non-Electrical Conductive



Long Service Life



Low ratio of Thermal Expansion



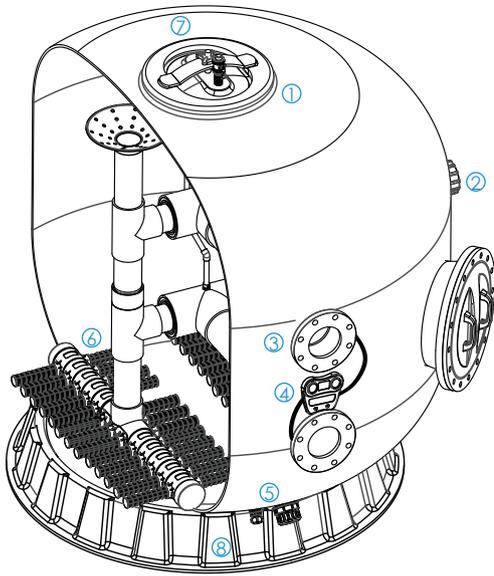
Light and Easy Handling

The filter tank is manufactured by long-lasting and non-corrosive fiberglass and resin, with bobbin wound automatic technology, UV resistance composites, allowing the filter to work and resist extreme weather conditions, with no corrosion and very long working life.

Standard Features:

- * Available with laterals or nozzles plate system for air scouring capabilities
- * Optional accessories includes sight glass, manhole, union drain, and air purge
- * Dual/ triple manifold distribution increase the flow rate evenly

Components :



- ① **Manhole** Lateral Manhole for easy access to internal system maintenance and service
- ② **Sight Glass** Allow great observation on media status and backwash effect
- ③ **Flange** Heavy duty FRP flange connection in either ANSI or DIN standard
- ④ **Manometer** High quality pressure gauge to monitor the pressure inside the filter tank
- ⑤ **Union Drain** A quick discharge point of water and filter media
- ⑥ **Lateral System** Constructed by ABS+PP material with rigid structure and 0.4mm slit
- ⑦ **Air Vent Valve** Automatic release of air bubbles in the filtration system
- ⑧ **Base** Flat base increase the stability

* Stainless Steel parts are made of AISI 316 S.S. Plastic parts are in PVC and ABS
 * Gasket or O'ring sealants are in EPDM or VITON material for Ozone resistance

Customized maximum size and performance:



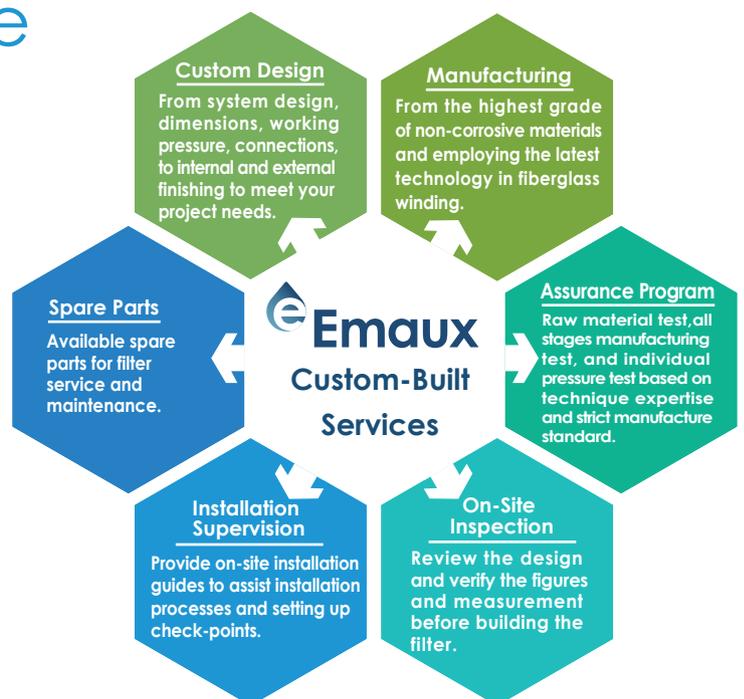
Custom-Built Service

Fit all projects' needs!

Emaux offers a fully customized service from system design, dimensions, working pressure, connections, to internal and external finishing to meet your project needs.

The products are designed and manufactured in accordance with the latest international industry standards such as BS EN-13121, European Directive of Pressure Vessels 97/23/EC; and used a quality assurance program that starts with confirmation and testing of raw materials right through all stages of the manufacture and testing.

Each Sand Filter is individually pressure tested and comes with its own factory test certificate, quality assurance record and serial number.





Standard Model:



NL, E, K Seriespage 6 - 8



H Seriespage 9-12



Large Size Horizontal Sand Filterpage 13-14

Commercial Filter NL SERIES E SERIES K SERIES



Filtration System

laterals / nozzles

Max Filtration Velocity

50m³/h/m²

Max Operating Pressure

36psi(2.5bar)

58psi(4.0bar)

Max Temperature

43°C (109°F)

Suggested Size of Media

0.5-0.8mm

1-2mm

Excellent Performance with Deep Sand Bed!

Application Suggestions:

- * Competition Swimming Pool
- * Aquatic Park and Aquarium
- * Commercial Spa, Fountain
- * Water Treatment Plant

Product Features:

- * Multi-construction layers: non-corrosive and chemical protective
- * UV resistance, suitable for operation underprolong sunlight
- * High filtration standard with depth sand bed
- * Bobbin wound fiberglass reinforcement with polyester resin
- * Available with laterals or nozzles plate system for air scouring capabilities
- * Optional accessories includes sight glass, manhole, union drain, and air purge.



Optional Accessories:

Sightglass: 114mm

Code: E012072



Air purge: 20mm

Code: E012054



Manhole: Dia.400mm

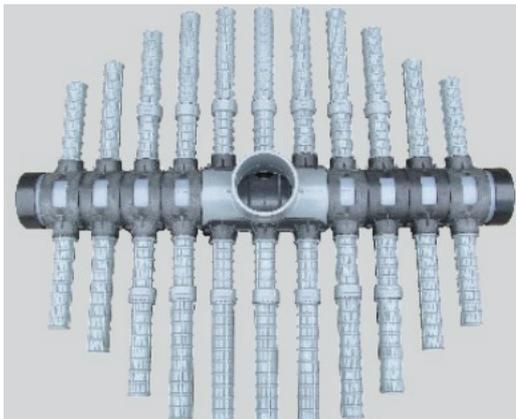
Code: 4105064354

Manhole: Dia.500mm

Code: 4105067252



Laterals System:

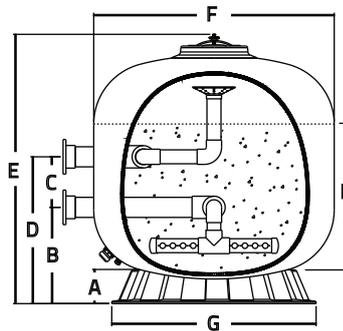


Nozzle System:



Flange connection standard optional:
GB(HG20592 PN1.0MPa) or ANSI(ANSI B16.5(1988) Class150)

NL SERIES



Product Dimensions:

Model	A mm	B mm	C mm	D mm	E mm	F mm	G mm	H mm
NL1200	170	565	350	915	1410	1200	1000	720
NL1400	190	565	350	915	1570	1400	1220	760
NL1600	200	650	350	1000	1740	1620	1365	820
NL1800	220	690	415	1105	2040	1790	1630	950
NL2000	220	770	415	1185	2210	1945	1630	1020
NL2300	230	950	550	1500	2510	2375	1800	1200
NL2500	230	1050	550	1600	2670	2495	1800	1290

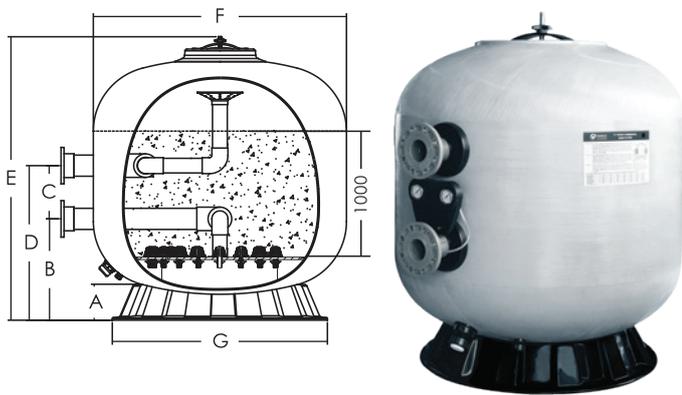
With Laterals System:

Code 2.5bar	Code 4bar	Model	Vol. (m ³)	Filter Area (m ²)	Flange Connections		Max Flow Rate		Sand Weight (kg)	
					GB(mm)	ANSI	lpm	m ³ /h	0.5-0.8mm	1-2mm
9012001	9012002	NL1200	1.17	1.13	80	3"	942	56.5	681	359
9012005	9012006	NL1400	1.64	1.54	100	4"	1283	77	941	460
9012009	9012010	NL1600	2.48	2.01	100	4"	1675	100.5	1412	771
9012013	9012014	NL1800	4.02	2.52	150	6"	2100	126	2366	1343
9012017	9012018	NL2000	4.61	2.97	150	6"	2475	148.5	2781	1375
9012021	9012022	NL2300	8.09	4.34	200	8"	3617	217	5539	1682
9012025	9012026	NL2500	10.00	4.89	200	8"	4075	244.5	6366	1972

With Nozzle System:

Code 2.5bar	Code 4bar	Model	Vol. (m ³)	Filter Area (m ²)	Flange Connections		Max Flow Rate		Sand Weight (kg)	
					GB(mm)	ANSI	lpm	m ³ /h	0.5-0.8mm	1-2mm
9012003	9012004	NL1200	1.17	1.13	80	3"	942	56.5	575	274
9012007	9012008	NL1400	1.64	1.54	100	4"	1283	77	778	382
9012011	9012012	NL1600	2.48	2.01	100	4"	1675	100.5	1208	496
9012015	9012016	NL1800	4.02	2.52	150	6"	2100	126	2167	609
9012019	9012020	NL2000	4.61	2.97	150	6"	2475	148.5	2550	715
9012023	9012024	NL2300	8.09	4.34	200	8"	3617	217	5075	972
9012027	9012028	NL2500	10.00	4.89	200	8"	4075	244.5	5815	1117

E SERIES



Product Dimensions:

Model	A mm	B mm	C mm	D mm	E mm	F mm	G mm
E1050	170	625	550	1175	1816	1050	960
E1200	190	630	550	1180	1816	1200	995
E1400	200	630	550	1180	1816	1400	1220
E1600	220	720	490	1210	1916	1600	1365
E1800	220	750	440	1190	1956	1800	1630
E2000	230	770	490	1260	2060	2000	1630
E2200	230	940	500	1440	2376	2200	1800

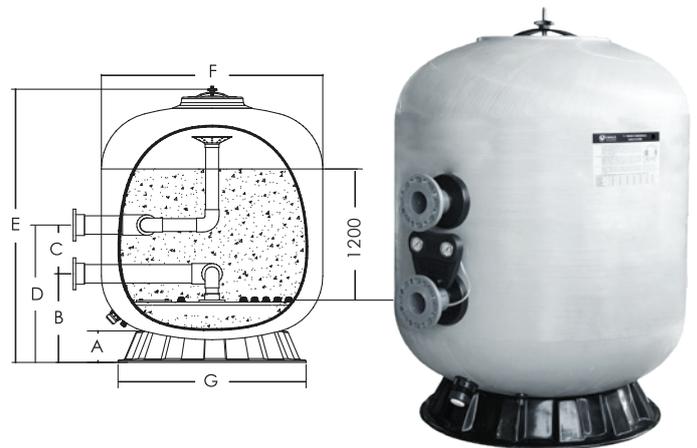
With Laterals System:

Code 2.5bar	Code 4bar	Model	Vol. (m ³)	Filter Area (m ²)	Flange Connections		Max Flow Rate		Sand Weight (kg)	
					GB(mm)	ANSI	lpm	m ³ /h	0.5-0.8mm	1-2mm
9014801	9014802	E1050	1.24	0.86	80	3"	717	43	859	272
9014805	9014806	E1200	1.56	1.13	80	3"	942	56.5	1075	428
9014809	9014810	E1400	2.10	1.54	100	4"	1283	77	1495	498
9014813	9014814	E1600	2.84	2.01	100	4"	1675	100.5	1997	949
9014817	9014818	E1800	3.69	2.54	150	6"	2117	127	2366	1343
9014821	9014822	E2000	4.61	3.14	150	6"	2617	157	2781	1375
9014825	9014826	E2200	6.49	3.80	200	8"	3167	190	4568	1479

With Nozzle System:

Code 2.5bar	Code 4bar	Model	Vol. (m ³)	Filter Area (m ²)	Flange Connections		Max Flow Rate		Sand Weight (kg)	
					GB(mm)	ANSI	lpm	m ³ /h	0.5-0.8mm	1-2mm
9014803	9014804	E1050	1.24	0.86	80	3"	717	43	772	215
9014807	9014808	E1200	1.56	1.13	80	3"	942	56.5	982	269
9014811	9014812	E1400	2.10	1.54	100	4"	1283	77	1337	383
9014815	9014816	E1600	2.84	2.01	100	4"	1675	100.5	1809	496
9014819	9014820	E1800	3.69	2.54	150	6"	2117	127	2469	609
9014823	9014824	E2000	4.61	3.14	150	6"	2617	157	2550	715
9014827	9014828	E2200	6.49	3.80	200	8"	3167	190	4234	841

K SERIES



Product Dimensions

Model	A mm	B mm	C mm	D mm	E mm	F mm	G mm
K1050	170	625	550	1175	2016	1050	960
K1200	170	665	350	1015	2080	1200	995
K1400	190	675	350	1025	2175	1400	1220
K1600	200	775	350	1125	2310	1600	1365
K1800	220	780	415	1195	2320	1800	1630
K2000	220	865	415	1280	2355	2000	1630
K2200	230	940	500	1440	2430	2200	1800
K2300	230	1060	550	1610	2720	2350	1800
K2500	230	1120	550	1670	2750	2500	1800

With Laterals System

Code 2.5bar	Code 4bar	Model	Vol. (m ³)	Filter Area (m ²)	Flange Connections		Max Flow Rate		Sand Weight (kg)	
					GB(mm)	ANSI	lpm	m ³ /h	0.5-0.8mm	1-2mm
9013047	9013048	K1050	1.41	0.86	80	3"	717	43	1105	281
9013001	9013002	K1200	1.93	1.13	80	3"	942	56.5	1319	457
9013005	9013006	K1400	2.57	1.54	100	4"	1283	77	1803	479
9013009	9013010	K1600	3.63	2.01	100	4"	1675	100.5	2341	867
9013013	9013014	K1800	4.73	2.54	150	6"	2100	126	2934	1133
9013017	9013018	K2000	5.86	3.14	150	6"	2475	148.5	3665	1751
9013057	9013058	K2200	6.6	3.8	200	8"	3167	190	6032	1073
9013021	9013022	K2300	8.96	4.34	200	8"	3617	217	6743	1668
9013025	9013026	K2500	10.39	4.90	200	8"	4075	244.5	7685	2103

With Nozzle System

Code 2.5bar	Code 4bar	Model	Vol. (m ³)	Filter Area (m ²)	Flange Connections		Max Flow Rate		Sand Weight (kg)	
					GB(mm)	ANSI	lpm	m ³ /h	0.5-0.8mm	1-2mm
9013049	9013050	K1050	1.41	0.86	80	3"	717	43	1017	214
9013003	9013004	K1200	1.93	1.13	80	3"	942	56.5	1219	262
9013007	9013008	K1400	2.57	1.54	100	4"	1283	77	1661	360
9013011	9013012	K1600	3.63	2.01	100	4"	1675	100.5	2169	472
9013015	9013016	K1800	4.73	2.54	150	6"	2100	126	2722	592
9013019	9013020	K2000	5.86	3.14	150	6"	2475	148.5	3396	728
9013055	9013056	K2200	6.6	3.8	200	8"	3167	190	5203	825
9013023	9013024	K2300	8.96	4.34	200	8"	3617	217	6308	986
9013027	9013028	K2500	10.39	4.90	200	8"	4075	244.5	7178	1044

Commercial Filter **H SERIES**

Filtration System

laterals

Max Filtration Velocity

50m³/h/m²

Max Operating Pressure

36psi(2.5bar)

58psi(4.0bar)

Max Temperature

43°C (109°F)

Suggested Size of Media

0.5-0.8mm

1-2mm



Long Service Life, High Filtration Surface

Application Suggestions:

- * Large scale water features,
- * Aquatic Park and Aquarium
- * Commercial pool

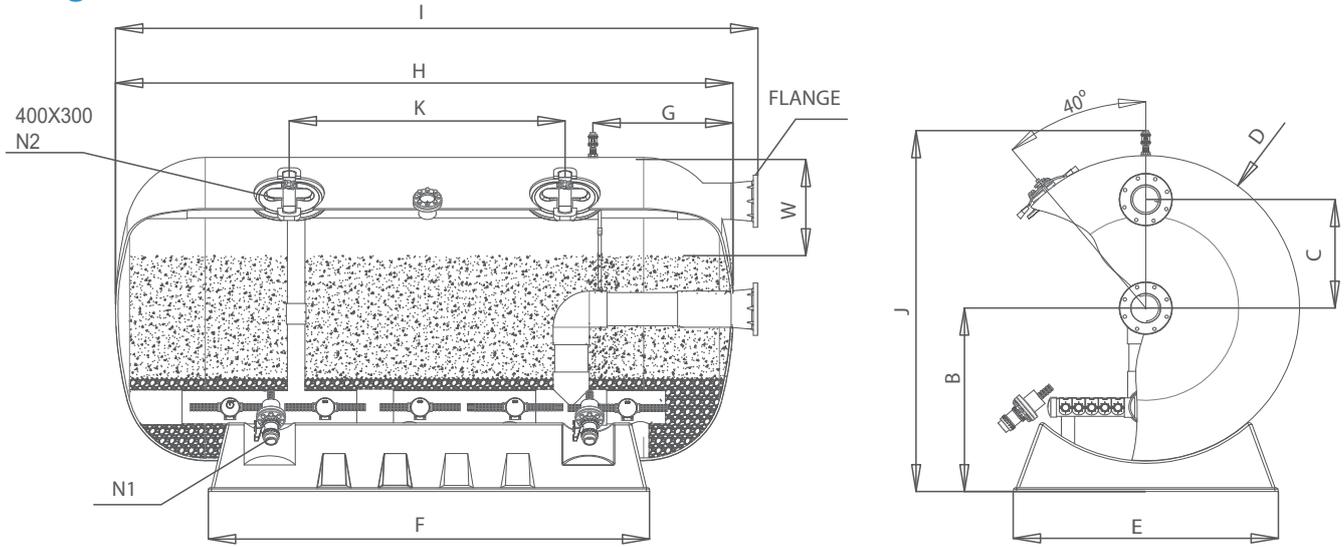
Product Features:

- * Multi-construction layers: non-corrosive and chemical protective
- * UV resistance, suitable for operation under prolonged sunlight
- * Inner filtration system with evenly spread laterals enhances filtration performance.
- * Bobbin wound fiberglass reinforcement with polyester resin
- * Service manhole for easy maintenance
- * Equipped with manometer for easy reading of the working pressure of both inlet and outlet.

Note: Suggested sand weight varies with differences in filter media size. For reference only.
Flange connection standard optional: GB(HG20592 PN1.0MPa) or ANSI(ANSI B16.5(1988) Class150)

H SERIES

Diagrams:



Diameter: 1200mm / Sand bed depth: 0.6m

Technical Information and Product Dimensions:

Code 2.5bar	Code 4bar	Model No.	Flange Connections		Max. Flow Rate m ³ /h	Velocity m ³ /h/m ²	Filtration Area (m ²)	Sand(kg) 0.4-0.8mm	Sand(kg) 1-2mm	Dimensions (mm)												
			GB(mm)	ANSI						B	C	D	E	F	G	H	I	J	K	N1 size*pcs	N2	W
9014017	9014018	H1200-1.9	100	4"	39	20	1.96	1100	425	747	325	1200	1100	1190	650	1900	2030	1500	/	2**1	1	350
9014019	9014020		150	6"	79	40				2060	/	2**1	1									
9014007	9014008	H1200-2.3	100	4"	48	20	2.42	1425	550	747	325	1200	1100	1590	650	2300	2430	1500	/	2**1	1	350
9014001	9014002		150	6"	97	40				2460	/	2**1	1									
9014003	9014004	H1200-2.5	100	4"	53	20	2.65	1750	700	747	325	1200	1100	1790	650	2500	2630	1500	/	2**1	1	350
9014005	9014006		150	6"	107	40				2660	/	2**1	1									
9014009	9014010	H1200-2.7	100	4"	57	20	2.87	2075	825	747	325	1200	1100	1990	650	2700	2830	1500	/	2**1	1	350
9014011	9014012		150	6"	115	40				2860	/	2**1	1									
9014013	9014014	H1200-3.0	100	4"	64	20	3.21	2325	925	747	325	1200	1100	2290	650	3000	3130	1500	1330	2**1	2	350
9014015	9014016		150	6"	129	40				3160	1330	2**1	2									

Diameter: 1400mm / Sand bed depth: 0.8m

Technical Information and Product Dimensions:

Code 2.5bar	Code 4bar	Model No.	Flange Connections		Max. Flow Rate m ³ /h	Velocity m ³ /h/m ²	Filtration Area (m ²)	Sand(kg) 0.4-0.8mm	Sand(kg) 1-2mm	Dimensions (mm)												
			GB(mm)	ANSI						B	C	D	E	F	G	H	I	J	K	N1 size*pcs	N2	W
9014101	9014102	H1400-1.9	100	4"	45	20	2.23	2100	575	847	390	1400	1130	1340	730	1900	2030	1700	/	2**1	1	390
9014103	9014104		150	6"	89	40				2060	/	2**1	1									
9014105	9014106	H1400-2.5	100	4"	60	20	3.02	2825	800	847	390	1400	1130	1840	730	2500	2630	1700	/	2**1	1	390
9014107	9014108		150	6"	121	40				2660	/	2**1	1									
9014109	9014110	H1400-3.0	100	4"	73	20	3.67	3450	1000	847	390	1400	1130	2340	730	3000	3130	1260	2**1	2	390	
9014111	9014112		150	6"	110	30				3160	1700	1260	2**1	2								
9014113	9014114		200	8"	147	40				3180	1260	2**1	2									

H SERIES

Diameter: 1600mm / Sand bed depth: 1.0m

Technical Information and Product Dimensions:

Code 2.5bar	Code 4bar	Model	Flange Connections		Max. Flow Rate m ³ /h	Velocity m ³ /h/m ²	Filtration Area (m ²)	Sand (kg)		Dimensions (mm)												
			GB(mm)	ANSI				0.4-0.8mm	1-2mm	B	C	D	E	F	G	H	I	J	K	N1 size pcs	N2	W
9014201	9014202	H1600-1.9	100	4"	49	20	2.47	2850	600	945	475	1600	1440	1210	810	1900	2130	1900	/	4**1	1	470
9014203	9014204		150	6"	99	40											2160	/	4**1	1		
9014205	9014208	H1600-2.5	150	6"	101	30	3.36	3875	850	945	475	1600	1440	1710	810	2500	2660	1900	/	4**1	1	470
9014207	9014206		200	8"	134	40											2680	/	4**1	1		
9014209	9014210	H1600-3.0	150	6"	123	30	4.10	4750	1050	945	475	1600	1440	2210	810	3000	3160	1900	1200	4**1	2	470
9014211	9014212		200	8"	164	40											3180	1200	4**1	2		

Diameter: 1800mm / Sand bed depth: 1.0m

Technical Information and Product Dimensions:

Code 2.5bar	Code 4bar	Model	Flange Connections		Max. Flow Rate m ³ /h	Velocity m ³ /h/m ²	Filtration Area (m ²)	Sand (kg)		Dimensions (mm)												
			GB(mm)	ANSI				0.4-0.8mm	1-2mm	B	C	D	E	F	G	H	I	J	K	N1 size pcs	N2	W
9014301	9014302	H1800-2.5	150	6"	112	30	3.74	4850	975	1100	550	1800	1380	1560	850	2500	2660	2170	/	4**1	1	530
9014303	9014304		200	8"	150	40											2680	2170	/	4**1	1	
9014305	9014306	H1800-3.0	150	6"	137	30	4.58	5925	1225	1100	550	1800	1380	2060	850	3000	3160	2170	/	4**1	1	530
9014307	9014308		200	8"	183	40											3180	2170	/	4**1	1	
9014309	9014310	H1800-3.5	200	8"	162	30	5.41	7000	1475	1100	550	1800	1380	2560	850	3500	3680	2170	1300	4**1	2	530
9014311	9014312		250	10"	216	40											3680	2170	1300	4**1	2	
9014313	9014314	H1800-4.0	150	6"	125	20	6.25	8075	1700	1100	550	1800	1380	3060	850	4000	4160	2170	1820	4**2	2	530
9014315	9014316		200	8"	187	30											4180	2170	1820	4**2	2	
9014317	9014318		250	10"	250	40											4180	2170	1820	4**2	2	

Diameter: 2000mm / Sand bed depth: 1.2m

Technical Information and Product Dimensions:

Code 2.5bar	Code 4bar	Model	Flange Connections		Max. Flow Rate m ³ /h	Velocity m ³ /h/m ²	Filtration Area (m ²)	Sand (kg)		Dimensions (mm)												
			GB(mm)	ANSI				0.4-0.8mm	1-2mm	B	C	D	E	F	G	H	I	J	K	N1 size pcs	N2	W
9014401	9014402	H2000-2.5	150	6"	130	30	4.34	6576	1050	1200	710	2000	1720	1380	1000	2500	2660	2370	/	4**1	1	700
9014403	9014404		200	8"	174	40											2680		4**1	1		
9014405	9014406	H2000-3.0	150	6"	159	30	5.30	8025	1300	1200	710	2000	1720	1880	1000	3000	3160	2370	/	4**1	1	700
9014407	9014408		200	8"	212	40											3180		4**1	1		
9014409	9014410	H2000-3.5	150	6"	125	20	6.25	9475	1550	1200	710	2000	1720	2380	1000	3500	3660	2370	1300	4**1	2	700
9014411	9014412		200	8"	187	30											3680			4**1	2	
9014413	9014414		250	10"	250	40											3680			4**1	2	
9014415	9014416	H2000-4.0	150	6"	144	20	7.21	10925	1800	1200	710	2000	1720	2880	1000	4000	4160	2370	1800	4**2	2	700
9014417	9014418		200	8"	216	30											4180			4**2	2	
9014419	9014420		250	10"	288	40											4180			4**2	2	
9014421	9014422	H2000-4.5	200	8"	245	30	8.16	12375	2075	1200	710	2000	1720	3380	1000	4500	4680	2370	2300	4**2	2	700
9014423	9014424		250	10"	326	40											4680			4**2	2	
9014437	9014438	H2000-4.5	200	8"	273	30	9.11	13825	2350	1200	710	2000	1720	3880	1000	5000	5270	2370	2800	4**2	2	700
9014439	9014440		250	10"	364	40											5270			4**2	2	

Product Focuses:



Sightglass



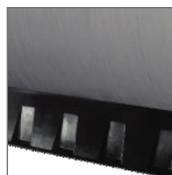
Lateral System



Air Vent Valve



Union Drain



Base



Manometer



Manhole



Flange

H SERIES

Diameter: 2350mm / Sand bed depth: 1.2m

Technical Information and Product Dimensions:

Code 2.5bar	Code 4bar	Model	Flange Connections		Max. Flow Rate m ³ /h	Velocity m ³ /h/m ²	Filtration Area (m ²)	Sand (kg)		Dimensions (mm)												
			GB(mm)	ANSI				0.4-0.8mm	1-2mm	B	C	D	E	F	G	H	I	J	K	N1 size pcs	N2	W
9014501	9014502	H2350-3.0	150	6"	119	20	5.94	9300	2575	1390	710	2350	1950	1270	1180	3000	3160	2730	/	4**1	1	750
9014503	9014504		200	8"	178	30											3180	2730	/	4**1	1	
9014505	9014506		250	10"	238	40											3180	2730	/	4**1	1	
9014507	9014508	H2350-3.5	150	6"	141	20	7.06	11050	3125	1390	710	2350	1950	1770	1180	3500	3660	2730	/	4**1	1	750
9014509	9014510		200	8"	212	30											3680	2730	/	4**1	1	
9014511	9014512		250	10"	282	40											3680	2730	/	4**1	1	
9014513	9014514	H2350-4.0	200	8"	163	20	8.17	12800	3650	1390	710	2350	1950	2270	1180	4000	4180	2730	1400	4**2	2	750
9014515	9014516		250	10"	327	40											4180	2730	1400	4**2	2	
9014517	9014520	H2350-4.5	200	8"	186	20	9.28	14525	4200	1390	710	2350	1950	2770	1180	4500	4680	2730	1900	4**2	2	750
9014519	9014518		250	10"	371	40											4680	2730	1900	4**2	2	
9014521	9014522		200	8"	208	20											5180	2730	2400	4**2	2	
9014523	9014524	H2350-5.0	250	10"	312	30	10.4	16250	4750	1390	710	2350	1950	3270	1180	5000	5180	2730	2400	4**2	2	750
9014525	9014526		300	12"	416	40											5180	2730	2400	4**2	2	

Diameter: 2500mm / Sand bed depth: 1.3m

Technical Information and Product Dimensions:

Code 2.5bar	Code 4bar	Model	Flange Connections		Max. Flow Rate m ³ /h	Velocity m ³ /h/m ²	Filtration Area (m ²)	Sand (kg)		Dimensions (mm)												
			GB(mm)	ANSI				0.4-0.8mm	1-2mm	B	C	D	E	F	G	H	I	J	K	N1 size pcs	N2	W
9014601	9014602	H2500-3.5	150	6"	149	20	7.34	11675	3175	1480	710	2500	2120	1850	1270	3500	3660	2900	/	4**1	1	750
9014603	9014604		200	8"	223	30											3680	2900	/	4**1	1	
9014605	9014606		250	10"	297	40											3680	2900	/	4**1	1	
9014607	9014608	H2500-4.0	200	8"	172	20	8.62	13500	3725	1480	710	2500	2120	2350	1270	4000	4180	2900	1200	4**2	2	750
9014609	9014610		250	10"	345	40											4180	2900	1200	4**2	2	
9014611	9014612	H2500-4.5	200	8"	196	20	9.80	15350	4300	1480	710	2500	2120	2850	1270	4500	4680	2900	1700	4**2	2	750
9014613	9014614		250	10"	294	30											4680	2900	1700	4**2	2	
9014615	9014616		300	12"	392	40											4680	2900	1700	4**2	2	
9014617	9014618	H2500-5.0	200	8"	220	20	10.98	17200	4850	1480	710	2500	2120	3350	1270	5000	5180	2900	2200	4**2	2	750
9014619	9014620		250	10"	329	30											5180	2900	2200	4**2	2	
9014621	9014622		300	12"	439	40											5180	2900	2200	4**2	2	

Diameter: 3000mm / Sand bed depth: 1.5m

Technical Information and Product Dimensions:

Code 2.5bar	Code 4bar	Model	Flange Connections		Max. Flow Rate m ³ /h	Velocity m ³ /h/m ²	Filtration Area (m ²)	Sand (kg)		Dimensions (mm)												
			GB(mm)	ANSI				0.4-0.8mm	1-2mm	B	C	D	E	F	G	H	I	J	K	N1 size pcs	N2	W
9014701	9014702	H3000-3.5	200	8"	180	20	8.98	17850	4525	1730	710	3000	2600	1880	1480	3500	3680	3410	/	4**1	1	1100
9014703	9014704		250	10"	270	30											3680	3410	/	4**1	1	
9014705	9014706		300	12"	360	40											3680	3410	/	4**1	1	
9014707	9014708	H3000-4.0	200	8"	208	20	10.40	20675	5300	1730	710	3000	2600	2380	1480	4000	4180	3410	/	4**1	1	1100
9014709	9014710		250	10"	312	30											4180	3410	/	4**1	1	
9014711	9014712		300	12"	416	40											4180	3410	/	4**1	1	
9014713	9014714	H3000-4.5	200	8"	236	20	11.82	23500	6100	1730	710	3000	2600	2880	1480	4500	4680	3410	/	4**1	1	1100
9014715	9014716		250	10"	355	30											4680	3410	/	4**1	1	
9014717	9014718		300	12"	473	40											4680	3410	/	4**1	1	
9014719	9014720	H3000-5.0	200	8"	265	20	13.24	26300	6875	1730	710	3000	2600	3380	1480	5000	5180	3410	1600	4**2	2	1100
9014721	9014722		250	10"	397	30											5180	3410	1600	4**2	2	
9014723	9014724		300	12"	530	40											5180	3410	1600	4**2	2	

Dual Stack Sand Filters

For aquarium and large scale waterland

Filtration System

laterals

Design Filtration Velocity

30m³/h/m²

Max Operating Pressure

58psi(4.0bar)

Max Temperature

43°C (109°F)

Suggested Size of Media

0.5-0.8mm

1-2mm



Demand

Minimal Footprint

The Emaux Dual Stack Sand Filter is engineered to the highest strength and durability. The filter is built to maximize long term performance to resist structural failures caused by corrosion and pressure. It offers a vertically stacked design that doubles the filtration capacity for the same footprint. The Dual Stack Sand Filter is ideal for high-load or high-flow of water facilities such as public pools and water parks.



Product Features:

1. Minimizes the floor space for installation
2. Integral base design and self-supporting stackable structure
3. Available in a complete system using Emaux manifold valve systems
4. Optional Vinyl Ester coating maximizes corrosion resistance against saltwater and all kind of pool chemicals including ozone.



Dual Stack Sand Filter with manifold valve system

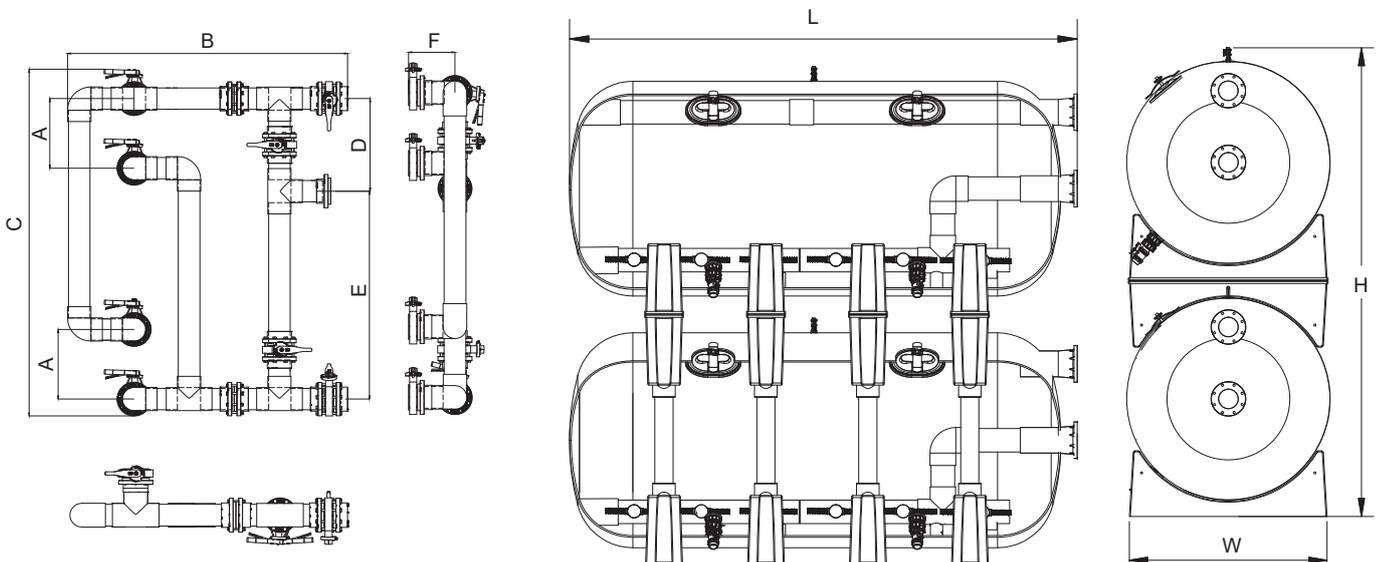
Technical Information and Product Dimensions:

Code	Model	Tank Size (mm)	Filter Area (m ²)	Flange Connections		Max. Flow Rate m ³ /h	Velocity m ³ /h/m ²	Dimensions (mm)								N1 pcs	N2 pcs	N3 size*pcs
				GB(mm)	ANSI			I	J	K	M	H	P	L	W			
9015001	TH1400-2.5	1400X2500	3.02X2	160	6"	181	30	859	390	1660	1360	3428	--	2750	1370	2	2	2inch*2
9015002	TH1600-2.5	1600X2500	3.36X2	160	6"	201	30	959	475	1300	1000	3838	--	2750	1570	2	2	4inch*2
9015003	TH2000-4.5	2000X4500	8.16X2	200	8"	489	30	1161	710	3160	940	4634	1880	4770	1920	4	4	4inch*4

Flange connection standard optional: GB(HG20592 PN1.0MPa) or ANSI(ANSI B16.5(1988) Class150)

Butterfly Valve Dimensions:

Code	Model	Valve Connection		A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)
		GB(mm)	ANSI						
9080203	DBV60-TH1400	160	6"	390	1970	2805	386	2023	352
9080202	DBV60-TH1600	160	6"	475	1970	2396	386	1638	352
9080201	DBV60-TH2000	200	8"	710	2836	3538	940	2121	464



Large Size Horizontal Sand Filter

Filtration System

laterals

Design Filtration Velocity

30m³/h/m²

Max Operating Pressure

58psi(4.0bar)

Max Temperature

43°C (109°F)

Suggested Size of Media

0.5-0.8mm

1-2mm



Horizontal GIANT! Custom-Built Available

Horizontal sand filter provides a larger filtration area for installation space optimization. Emaux manufactures horizontal sand filter up to 3 meters in diameter and 10 meters in length. Emaux is also able to build to individual project requirements. Dimensions can be modified according to project specifications.

Applications Suggestions:

- * Aquarium
- * Large Scale Waterland



3m

Max Diameter

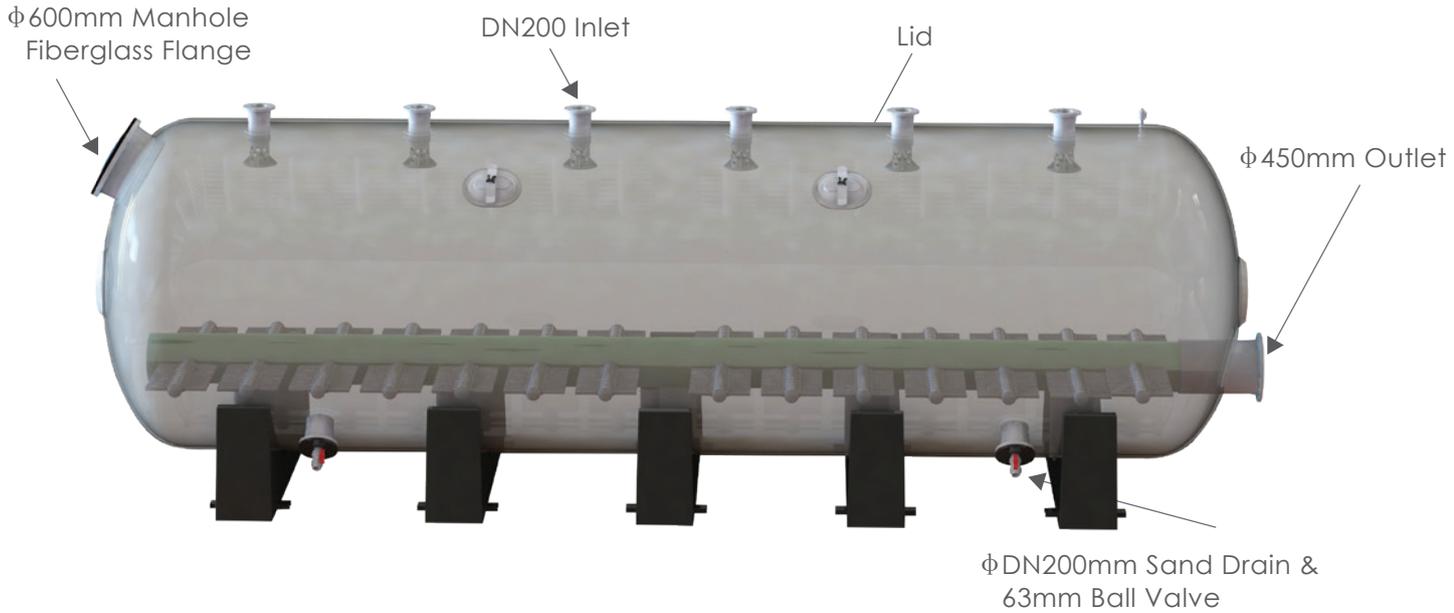


10m

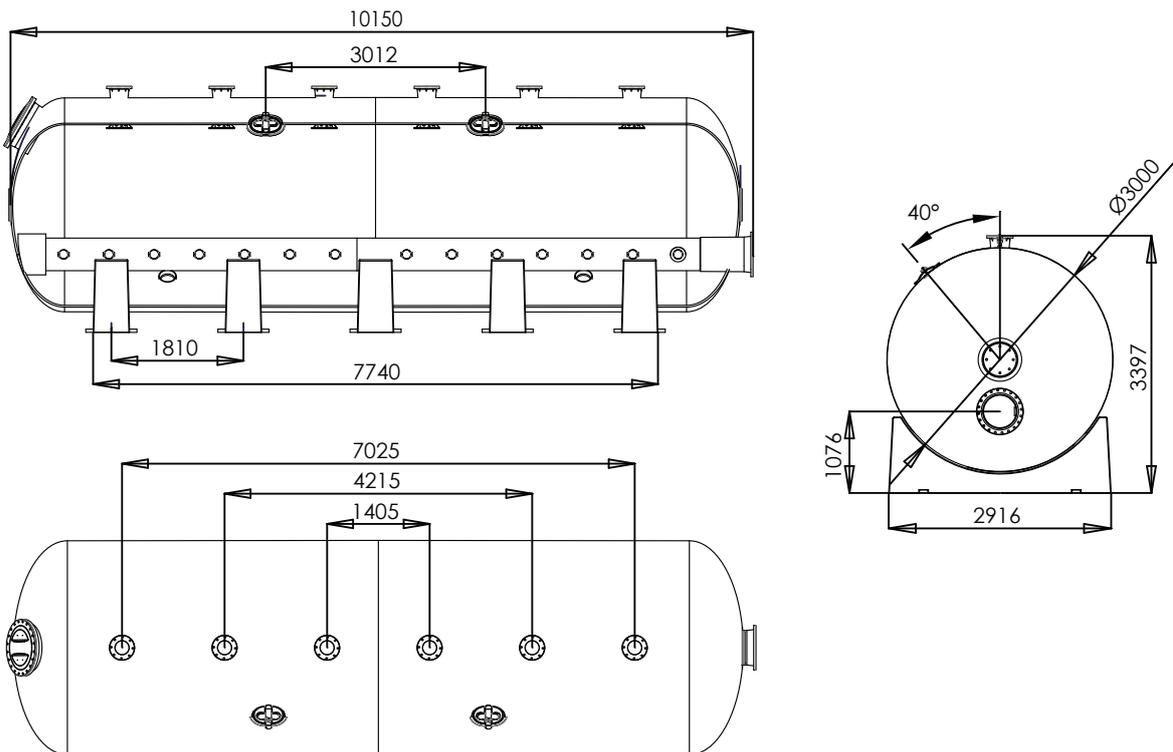
Max Length

Typical Specification Guideline

Code	Model	Tank Size (mm)	Filter Area (m ²)	Flange Connections		Max Flow Rate m ³ /h	Velocity m ³ /h/m ²	Max Operation Pressure (Bar)
				GB(mm)	ANSI			
9320056	H3000 - 10.0	3000 x 10000	27.44	200/450	8"/18"	650	23.7	4



Typical Specification Guideline



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