

Commercial Filter

ABLE TO WORK AND RESIST EXTREME WEATHER CONDITIONS

The filter tank is manufactured of durable, non-corrosive fiberglass and resin, with automatic bobbin winding technology, UV resistant composites, which allow the filter to operate under extreme weather conditions.

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 Continuous outer filament winding with ISO resin, reinforced to withstand pressure
- ⑤ PU surface coating, UV resistant and dirt protection



computer controlled filament winding



Non-Corrosive



UV Resistance



Chemical Resistance



Nil Maintenance



Non-Electrical Conductive



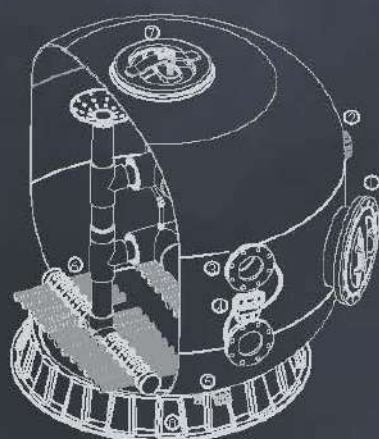
Long Service Life



Low ratio of Thermal Expansion



Light and Easy Handling



Components :

- ① **Manhole** Lateral manhole for easy access to internal system maintenance and service
- ② **Sight Glass** Allows great observation on media status and backwash effect
- ③ **Flange** Heavy duty FRP flange connections 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 for water and filter media
- ⑥ **Lateral System** Constructed of ABS+PP material with rigid structure and 0.4mm slot
- ⑦ **Air Vent Valve** Release air bubble valve in the filtration system
- ⑧ **Base** Flat base for increase the stability

“EMAUX” NL Series Commercial Sand Filters (Without Valves)

For competition swimming pools, aquatic parks, aquariums, commercial spas, fountains and water treatment plants

EXCELLENT PERFORMANCE WITH DEEP SAND BED!

The filter tank is manufactured of durable, non-corrosive fiberglass and resin, with automatic bobbin winding technology UV resistant composites, which allow the filter to operate under extreme weather conditions.

APPLICATION SUGGESTIONS

- Competition swimming pool
- Aquatic park and aquarium
- Commercial spa, fountain
- Water treatment plant

PRODUCT FEATURES

1. Multi-construction layers: non-corrosive & chemical protective
2. UV resistance, suitable for operation under prolonged sunlight
3. High filtration standard with deep bed sand
4. Bobbin wound fiberglass reinforced with polyester resin
5. Available in laterals or nozzle plate system for air scouring capabilities
6. Optional accessories including sight glass, manhole, union drain & air purge



With Laterals System:

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
NL1200	1.17	1.13	80	3"	942	56.5	900	300
NL1400	1.64	1.54	100	4"	1283	77	1350	450
NL1600	2.48	2.01	100	4"	1675	100.5	2300	700
NL1800	4.02	2.52	150	6"	2100	126	2900	900
NL2000	4.61	2.97	150	6"	2475	148.5	4000	1100
NL2300	8.09	4.34	200	8"	3617	217	6000	1600
NL2500	10.00	4.89	200	8"	4075	244.5	6700	1800



Design Filtration Velocity

50m³ / h / m²

Filtration System

Laterals / Nozzles

Max Temperature

43°C (109°F)

Max Operating

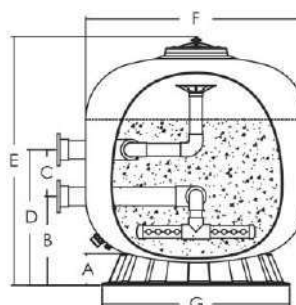
Pressure

Suggested Size of Media

0.5 – 0.8 mm

36 psi (2.5 bar)

58 psi (4.0 bar)



Product Dimensions:

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

FILTERS



Laterals System / Working Pressure 2.5 Bar

Code	Model	Volume (m ³)	Filter Area (m ²)	In&Outlet (inches)	Flowrate (gpm)	Flowrate (m ³ /h)	Height (cm)	Sand (kg) 0.5-0.8mm	Gravel (kg) 1-2mm
20300510005	NL1200-LS-2.5 ✖	1.17	1.11	3	242.88	55.20	141.00	900	300
20300510045	NL1400-LS-2.5 ✖	1.64	1.54	4	337.92	76.80	157.00	1350	450
20300510080	NL1600-LS-2.5 ✖	2.48	2.06	4	448.80	102.00	174.00	2300	700
20300510120	NL1800-LS-2.5 ✖	4.02	2.52	6	549.12	124.80	204.00	2900	900
20300510160	NL2000-LS-2.5 ✖	5.07	2.97	6	646.80	147.00	221.00	4000	1100
20300510200	NL2300-LS-2.5 ✖	8.09	4.43	8	963.60	219.00	251.00	6000	1600
20300510240	NL2500-LS-2.5 ✖	10.00	4.89	8	1056.00	240.00	267.00	6700	1800

Laterals System / Working Pressure 4.0 Bar

Code	Model	Volume (m ³)	Filter Area (m ²)	In&Outlet (inches)	Flowrate (gpm)	Flowrate (m ³ /h)	Height (cm)	Sand (kg) 0.5-0.8mm	Gravel (kg) 1-2mm
20300510010	NL1200-LS-4 ✖	1.17	1.11	3	242.88	55.20	141.00	900	300
20300510050	NL1400-LS-4 ✖	1.64	1.54	4	337.92	76.80	157.00	1350	450
20300510085	NL1600-LS-4 ✖	2.48	2.06	4	448.80	102.00	174.00	2300	700
20300510125	NL1800-LS-4 ✖	4.02	2.52	6	549.12	124.80	204.00	2900	900
20300510165	NL2000-LS-4 ✖	5.07	2.97	6	646.80	147.00	221.00	4000	1100
20300510205	NL2300-LS-4 ✖	8.09	4.43	8	963.60	219.00	251.00	6000	1600
20300510245	NL2500-LS-4 ✖	10.00	4.89	8	1056.00	240.00	267.00	6700	1800

✖ สินค้าไม่มีสต็อก กรุณาสั่งซื้อล่วงหน้า / No Stock, Delivery Time : 60 - 90 Days