



General brochure of Pool pump products



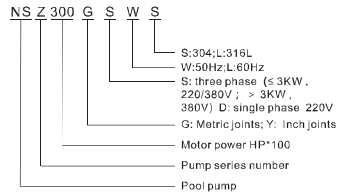
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NSZ stainless steel swimming pool pump

Model Definition



Materials

- Pump body, impeller, diffuser: Stainless Steel AISI304
- Pump shaft: Stainless Steel AISI304
- Mechanical seal: Graphite/Ceramics
- Rubber parts: NBR

Motor

- 380 V 50Hz
- TEFC secondary motor
- Protection class: IP55
- Insulation class: F

Characteristic

- NSZ stainless steel horizontal single stage swimming pool pump are made by advanced processing like stainless steel plate stamping and bulging welding technology. It can replace traditional casting pool pumps. It is high efficient, energy-saving, light corrosion resistant with beautiful appearance, light but compact structure, low noise and long durability.



Working condition

- Liquid temperature: -20~100 °C
- Ambient temperature: ≤40 °C
- System pressure: ≤10 bar

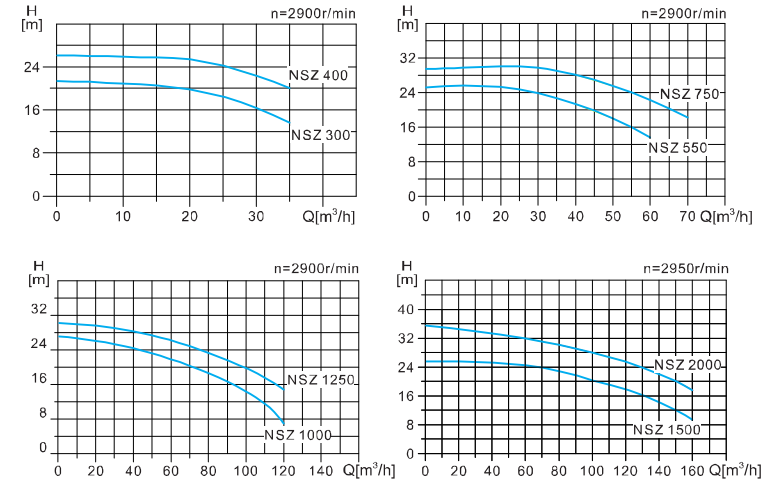
Typical applications

- Water circulation and filtration in large pools

Curve condition

- Following condition are suitable for performance curve below.
- Curve tolerance in conformity to ISO9906:2012 Grade 3B.
- All curves are based on measured values under motor speed 2900rpm or 2950 rpm.
- Measurement is done with 20°C air-free water, kinematic viscosity of 1 mm²/s.

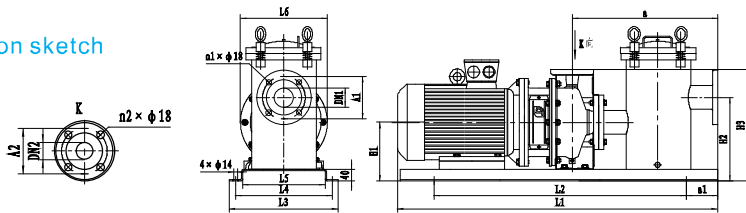
Performance curve



Performance table

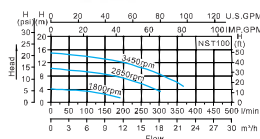
Model	P ₂		Max.Head [m]	Max.Flow [m³/h]	Flow Q[m³/h]	5	10	20	30	35	50	60	70
	[KW]	[HP]											
NSZ300	2.2	3	21.3	35	Head H[m]	21.1	20.9	19.8	16.4	13.6			
NSZ400	3	4	26.1	35		26.1	25.8	25.3	22.4	20.0			
NSZ550	4	5	25.6	60		25.5	25.6	25.3	23.9	22.7	18.0	13.6	
NSZ750	5.5	7	30.0	70		29.6	29.7	30.0	29.7	29.0	25.5	25.5	18.2
Model	P ₂		Max.Head [m]	Max.Flow [m³/h]	Flow Q[m³/h]	20	40	60	80	100	120	140	160
	[KW]	[HP]											
NSZ1000	7.5	10	27.0	120	Head H[m]	26.0	24.3	21.8	18.6	14.3	6.9		
NSZ1250	9.2	13	30.1	120		29.5	28.2	26.2	23.2	19.7	14.8		
NSZ1500	11	15	25.5	160		25.5	25.2	24.5	22.9	20.4	17.8	14.3	9.4
NSZ2000	15	20	35.4	160		34.5	33.3	31.8	30.1	28.0	25.5	22.0	17.6

Installation sketch



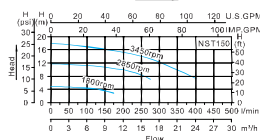
Model	Dimension[mm]															
	DN1	DN2	A1	A2	n1	n2	a	a1	H1	H2	H3	L1	L2	L3	L4	L5
NSZ300	65	40	145	110	4	4	460	35	152	272	294	882	810	280	240	210
NSZ400	65	40	145	110	4	4	460	35	152	272	294	912	840	300	260	250
NSZ550	65	50	145	125	4	4	466	41	172	292	338	950	870	330	290	250
NSZ750	65	50	145	125	4	4	480	41	200	290	380	1060	960	370	330	300
NSZ1000	80	65	160	145	8	4	535	50	200	320	380	1125	1025	370	330	300
NSZ1250	80	65	160	145	8	4	535	50	200	320	380	1125	1025	370	330	300
NSZ1500	100	80	180	160	8	8	675	50	220	370	445	1380	1280	420	380	350
NSZ2000	100	80	180	160	8	8	675	50	220	370	445	1380	1280	420	380	350

NST permanent magnet synchronous variable frequency swimming pool pump



Work conditions

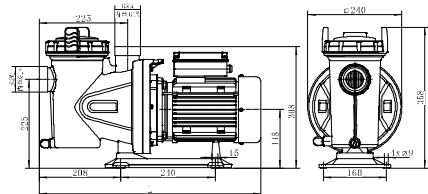
- liquid temp: 5-50°C
- Max.environment temp: ≤40°C
- Max work pressure: 0.3MPa



Material

- All flowing parts over are made of engineering plastics
- Mechanical seal is made of graphite/silicon carbide
- The sealing ring is made of NBR
- The motor casing is made of aluminum

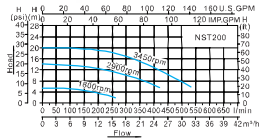
Installation sketch



Model	L (mm)	Connector size	Package Size L*W*H(cm)	Weight (kg)
NST100	510	48.5/50	58*26*39	11
NST150	530	48.5/50	58*26*39	12

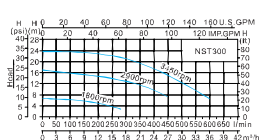
Model parameters

NST100: 1HP, 0.75kW; 208-240V; 50/60Hz
NST150: 1.5HP, 1.1kW; 208-240V; 50/60Hz



Work conditions

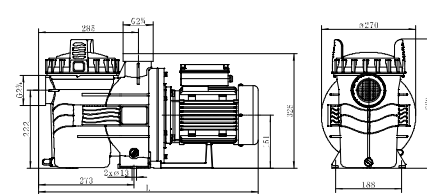
- liquid temp: 5-50°C
- Max.environment temp: ≤40°C
- Max work pressure: 0.3MPa



Material

- All flowing parts over are made of engineering plastics
- Mechanical seal is made of graphite/silicon carbide
- The sealing ring is made of NBR
- The motor casing is made of aluminum

Installation sketch



Model	L (mm)	Connector size	Package Size L*W*H(cm)	Weight (kg)
NST200	610	60.3/63	76*35*44	16
NST300	627	60.3/63	76*35*44	17

Model parameters

NST200: 2HP, 1.5kW; 208-240V; 50/60Hz
NST300: 3HP, 2.2kW; 208-240V; 50/60Hz

Characteristics of permanent magnet synchronous frequency conversion swimming pool pump

- 1.The motor is permanent magnet synchronous motor, which has the advantages of light weight, small size, low energy consumption, high efficiency, and low vibration. The protection level of the whole machine is IP55, and the energy efficiency level is IE5.
2. The inverter controller panel is a touch LCD screen, which has the advantages of simple operation and clear interface. You can adjust speed flexibly, and the screen can display real-time operating parameters.
3. Power supply access: single phase, voltage: 220±10%, frequency: 50/60Hz

NSA Pool Pump(60Hz)

Model definition

NS A 150 G D L S
 S:304;L:316L
 W:50Hz;L:60Hz
 S: three phase(≤3KW, 220/380V;>3KW, 380V)
 D: single phase (220V(60Hz), 230V(60Hz))
 G: Metric joints; Y: Inch joints
 Motor power HP*100 pump
 Series number
 Pool pump

Motor

- 115/230V,synchronous motor,two-pole (1/1.5/2PH: 115/230V ; 3PH: 230V)
- NEMA service parameter,single phase ODP motor
- Insulation grade:F
- Continuous operation capability
- Built-in thermal protector

Applications

- Domestic and commercial swimming pool
- Water park
- Water landscape gardening
- Mariculture
- SPA

Self-priming height

- 1.5 meters



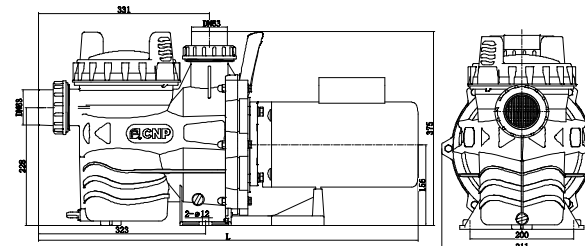
Work condition

- liquid temp: 5-50°C
- Max.environment temp: ≤40°C

Material

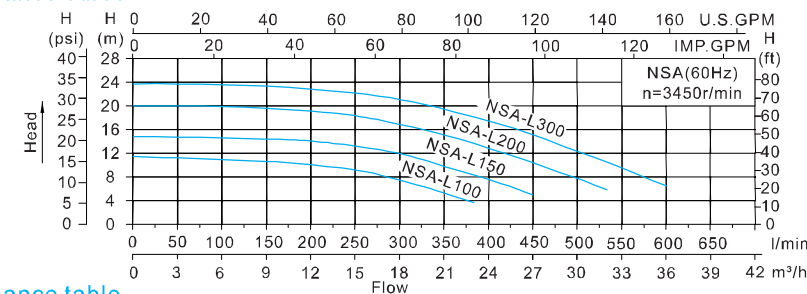
- Flow passage: Engineering plastics
- Mechanical seal module: Graphite/ceramic
- O ring: Nitrile rubber
- Motor casing: 08F rimmed steel

Installation sketch



Model	L
NSA-L100	673
NSA-L150	694
NSA-L200	708
NSA-L300	733

Performance curve



Performance table

Model	P ₂ [KW]	[HP]	Max.Head [m]	Max.Flow [m³/h]	Flow Q[m³/h]	5	10	15	20	25	30	35
NSA-L100	0.75	1	12	23	Head H[m]	11	10.5	9.2	6.1			
NSA-L150	1.1	1.5	15.5	27		14.5	14.2	13.2	10	6.2		
NSA-L200	1.5	2	20	32		20	19.2	18.4	15.5	12.1	8	
NSA-L300	2.2	3	23.5	36		23.5	22.5	22.2	19.8	16.5	13	7.5

NSA Pool Pump(50Hz)

Model definition

NS A 150 G D W S
 S: 304; L: 316L
 W: 50Hz; L: 60Hz
 S: three phase (≤3KW, 220/380V; >3KW, 380V)
 D: single phase (220V(50Hz); 230V(60Hz))
 G: Metric joints; Y: Inch joints
 Motor power HP*100 pump
 Series number
 Pool pump

Motor

- 220/380V, asynchronous, two-pole motor
- Protection class: IP55
- Insulation grade: F
- Continuous operation capability
- Built-in thermal protector

Applications

- Domestic and commercial swimming pool
- Water park
- Water landscape gardening
- Mariculture
- SPA

Self-priming height

- 1.5 meters



Work condition

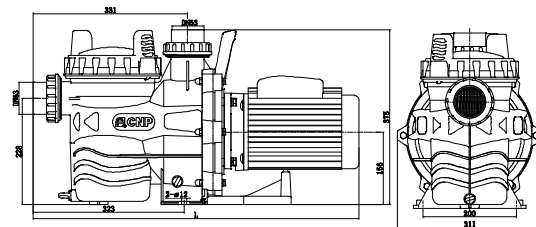
- liquid temp: 5-50°C
- Max. environment temp: ≤40°C

- Max work pressure: 0.3MPa

Material

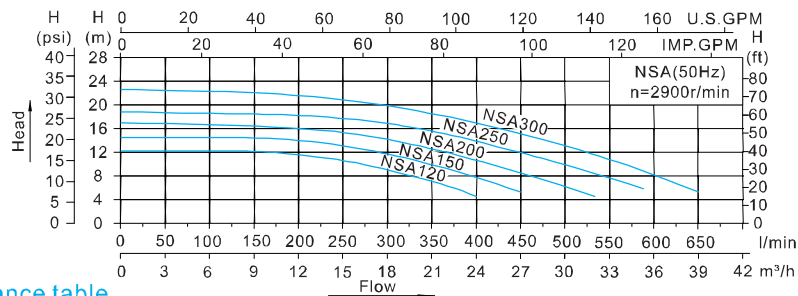
- Flow passage: Engineering plastics
- Mechanical seal module: Graphite/ceramic
- O ring: Nitrile rubber
- The motor casing is made of aluminum

Installation sketch



Model	L
NSA120	679
NSA150	
NSA200	
NSA250	708
NSA300	

Performance curve



Performance table

Model	P ₂		Max. Head	Max. Flow	Flow	Head H[m]						
	[KW]	[HP]	[m]	[m³/h]	Q[m³/h]	5	10	15	20	25	30	35
NSA120	0.9	1.2	12	24	Head H[m]	12	11.9	10	7.5			
NSA150	1.1	1.5	14.7	27		14.2	14.2	13.1	11.0	6.5		
NSA200	1.5	2	17.5	32		16.6	16.1	15.3	12.5	10.2	6.0	
NSA250	1.85	2.5	19	35		18.5	18.1	17.8	16.2	13.6	9.2	5.8
NSA300	2.2	3	23	39		22.1	21.9	20.8	18.9	16.5	13	8.5

NSC Pool Pump(50Hz)

Model definition

NS C 150 G D W S
 S: 304; L: 316L
 W: 50Hz; L: 60Hz
 S: three phase (≤3KW, 220/380V; >3KW, 380V)
 D: single phase (220V(50Hz); 230V(60Hz))
 G: Metric joints; Y: Inch joints
 Motor power HP*100 pump
 Series number
 Pool pump

Motor

- 220/380V, asynchronous, two-pole motor
- Protection class: IP55
- Insulation grade: F
- Continuous operation capability
- Built-in thermal protector

Applications

- Domestic and commercial swimming pool
- Water park
- Water landscape gardening
- Mariculture
- SPA

Self-priming height

- 3 meters



Work condition

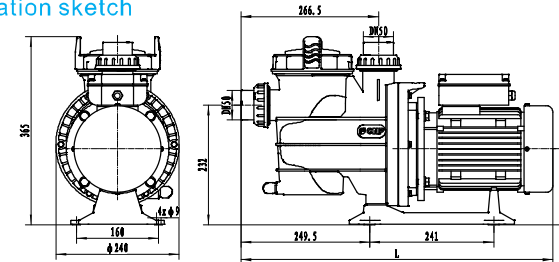
- liquid temp: 5-50°C
- Max. environment temp: ≤40°C

- Max work pressure: 0.3MPa

Material

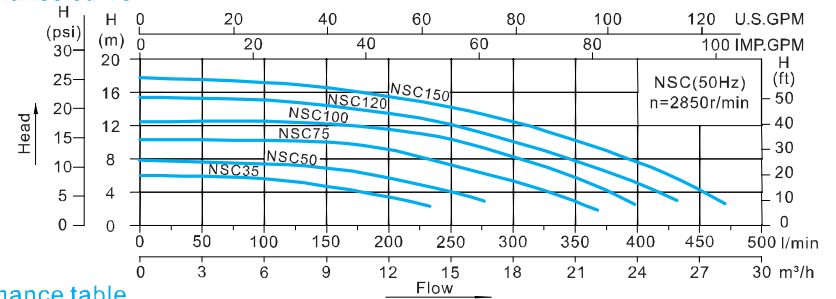
- Flow passage: Engineering plastics
- Mechanical seal module: Graphite/ceramic
- O ring: Nitrile rubber
- The motor casing is made of aluminum

Installation sketch



Model	L
NSC35	
NSC50	561
NSC75	
NSC100	
NSC120	616
NSC150	

Performance curve

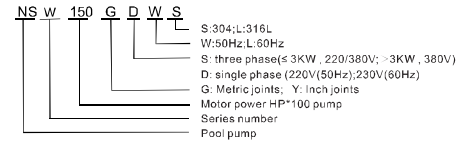


Performance table

Model	P ₂		Max. Head	Max. Flow	Flow	Head H[m]							
	[KW]	[HP]	[m]	[m³/h]	Q[m³/h]	3	6	9	12	15	18	21	24
NSC35	0.25	0.35	6.5	13	Head H[m]	6	5.5	5	3				
NSC50	0.37	0.5	7.8	16		7.5	7.2	7	6	3.8			
NSC75	0.55	0.75	10.5	19		10.5	10	9.8	9	6.5	5		
NSC100	0.75	1	12.5	22		12.5	12.3	12	11.5	10.5	8.2	5.8	
NSC120	0.9	1.2	15	24		15	14.5	14	13.5	12	10	7.5	5
NSC150	1.1	1.5	17.5	27		17.5	16.5	16	15.5	14	12.5	10.5	7.5

NSW Pool Pump(50Hz)

Model definition



Work condition

- liquid temp: 5- 50°C
- Max.environment temp: ≤40°C
- Max work pressure: 0.3MPa

Material

- Flow passage: Engineering plastics
- Mechanical seal module: Graphite/ceramic
- O ring: Nitrile rubber
- The motor casing is made of aluminum

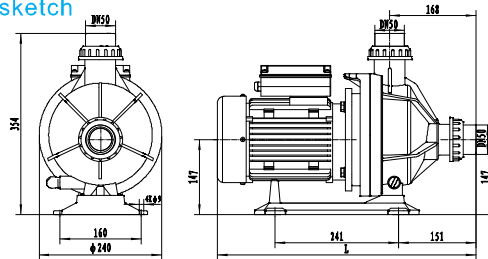
Applications

Motor

- 220/380V, asynchronous, two-pole motor
- Protection class: IP55
- Insulation grade: F
- Continuous operation capability
- Built-in thermal protector

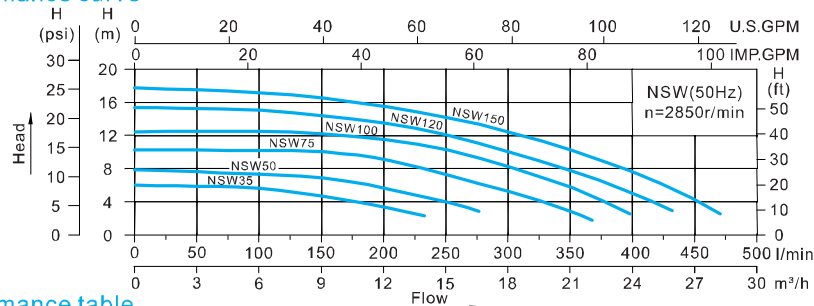
- Domestic and commercial swimming pool
- Water park
- Water landscape gardening
- Mariculture
- SPA

Installation sketch



Model	L
NSW35	462
NSW50	
NSW75	
NSW100	517
NSW120	
NSW150	

Performance curve

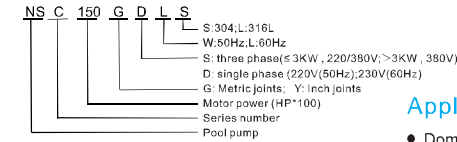


Performance table

Model	P ₂		Max. Head [m]	Max. Flow [m³/h]	Flow Q [m³/h]	3	6	9	12	15	18	21	24
	[KW]	[HP]											
NSW35	0.25	0.35	6.5	13	Head H[m]	6	5.5	5	3				
NSW50	0.37	0.5	7.8	16		7.5	7.2	7	6	3.8			
NSW75	0.55	0.75	10.5	19		10.5	10	9.8	9	6.5	5		
NSW100	0.75	1	12.5	22		12.5	12.3	12	11.5	10.5	8.2	5.8	
NSW120	0.9	1.2	15	24		15	14.5	14	13.5	12	10	7.5	5
NSW150	1.1	1.5	17.5	27		17.5	16.5	16	15.5	14	12.5	10.5	7.5

NSC Pool Pump(60Hz)

Model definition



Applications

- Domestic and commercial swimming pool
- Water park
- Water landscape gardening
- Mariculture
- SPA

Self-priming height

- 3 meters

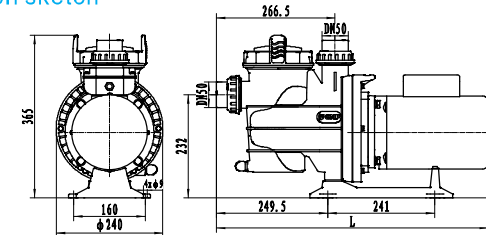
Work condition

- liquid temp: 5- 50°C
- Max.environment temp: ≤40°C
- Max work pressure: 0.3MPa

Material

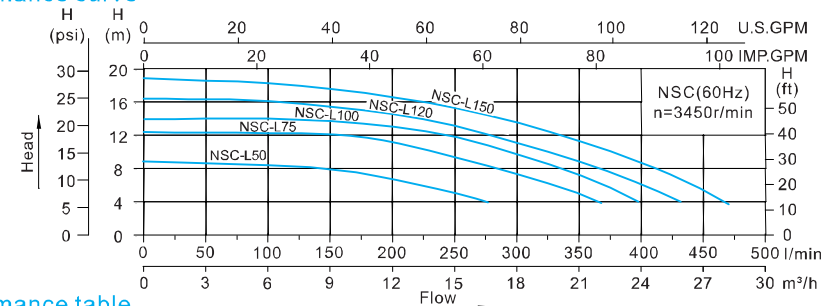
- Flow passage: Engineering plastics
- Mechanical seal module: Graphite/ceramic
- O ring: Nitrile rubber
- Motor casing: 08F rimmed steel

Installation sketch



Model	L
NSC-L50	570
NSC-L75	570
NSC-L100	590
NSC-L120	590
NSC-L150	610

Performance curve

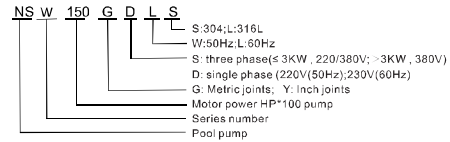


Performance table

Model	P ₂		Max. Head [m]	Max. Flow [m³/h]	Flow Q [m³/h]	3	6	9	12	15	18	21	24
	[KW]	[HP]											
NSC-L50	0.37	0.5	8.5	17	Head H[m]	8.6	8.5	7.6	6.5	5.0			
NSC-L75	0.55	0.75	12	21		12.0	12.5	12.0	11.0	9.1	7.1	4.5	
NSC-L100	0.75	1	14.5	24		14.0	13.7	13.7	13.2	12.0	9.7	7.2	4
NSC-L120	0.9	1.2	16.5	25		16.5	16.1	15.5	14.5	13.2	11.2	8.9	6.4
NSC-L150	1.1	1.5	19	28		18.5	18.4	17.6	16.5	15.3	13.5	11.3	8.9

NSW Pool Pump(60Hz)

Model definition



Work condition

- liquid temp: 5- 50°C
- Max.environment temp: ≤40°C
- Max work pressure: 0.3MPa

Material

- Flow passage: Engineering plastics
- Mechanical seal module: Graphite/ceramic
- O ring: Nitrile rubber
- Motor casing: 08F rimmed steel

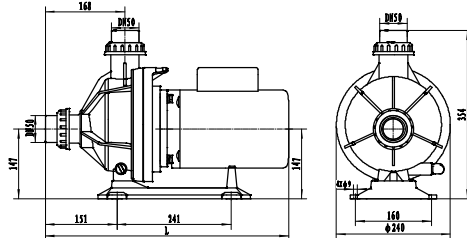
Applications

Motor

- 220/380V, asynchronous, two-pole motor
- Protection class: IP55
- Insulation grade: F
- Continuous operation capability
- Built-in thermal protector

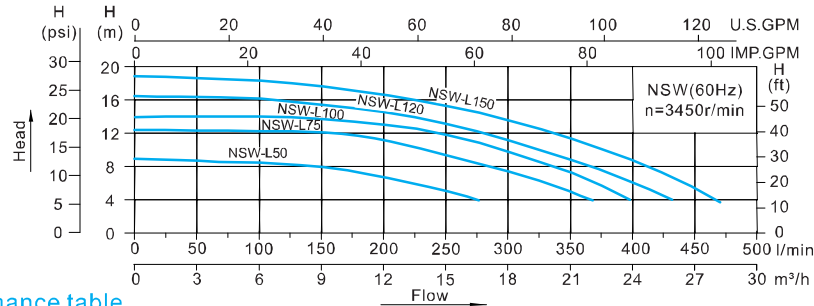
- Domestic and commercial swimming pool
- Water park
- Water landscape gardening
- Mariculture
- SPA

Installation sketch



Model	L
NSW-L50	470
NSW-L75	470
NSW-L100	490
NSW-L120	490
NSW-L150	510

Performance curve

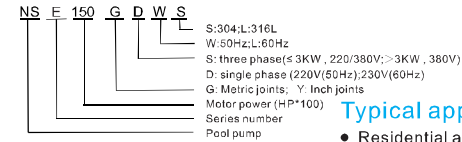


Performance table

Model	P ₂		Max. Head [m]	Max. Flow [m³/h]	Flow Q [m³/h]	3	6	9	12	15	18	21	24
	[KW]	[HP]											
NSW-L50	0.37	0.5	8.5	17	Head H[m]	8.6	8.5	7.6	6.5	5.0			
NSW-L75	0.55	0.75	12	21		12.0	12.5	12.0	11.0	9.1	7.1	4.5	
NSW-L100	0.75	1	14.5	24		14.0	13.7	13.7	13.2	12.0	9.7	7.2	4
NSW-L120	0.9	1.2	16.5	25		16.5	16.1	15.5	14.5	13.2	11.2	8.9	6.4
NSW-L150	1.1	1.5	19	28		18.5	18.4	17.6	16.5	15.3	13.5	11.3	8.9

NSE Pool Pump(50Hz)

Model definition



Work conditions

- Medium temperature: 5-50°C
- Ambient temperature: ≤40°C
- Max. working pressure: 0.3MPa

Material

- Pump body and other water inlet and outlet parts are made of engineering plastics
- Mechanical seal is made of graphite/silicon carbide
- O- ring is made of NBR
- The motor casing is made of aluminum

Typical application

- Residential and commercial swimming pools
- Water park
- Water gardening
- Mariculture
- Hot spring spa

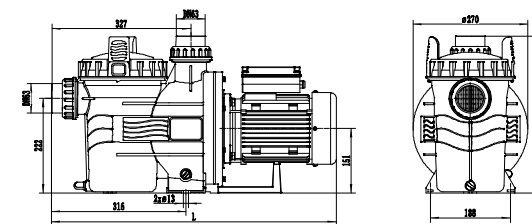
Self-priming height

- 1.5 meters

Motor

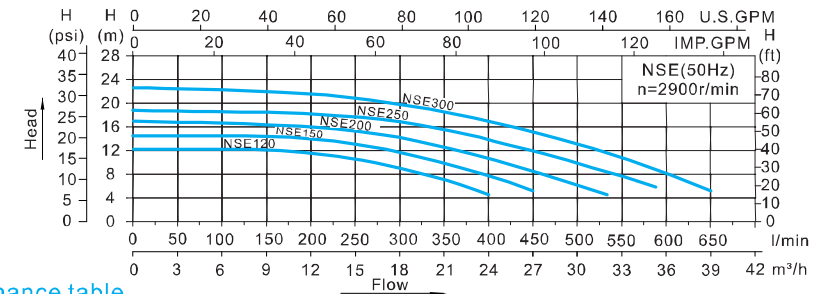
- 220/380V, asynchronous, two pole
- The protection level is IP55
- Insulation class is F class
- Continuous operation
- Built-in overheat protection circuit breaker device

Installation sketch



Model	L
NSE120	675
NSE150	
NSE200	
NSE250	705
NSE300	

Performance curve



Performance table

Model	P ₂		Max. Head [m]	Max. Flow [m³/h]	Flow Q [m³/h]	5	10	15	20	25	30	35
	[KW]	[HP]										
NSE120	0.9	1.2	12	24	Head H[m]	12	11.9	10	7.5			
NSE150	1.1	1.5	14.7	27		14.2	14.2	13.1	11.0	6.5		
NSE200	1.5	2	17.5	32		16.6	16.1	15.3	12.5	10.2	6.0	
NSE250	1.85	2.5	19	35		18.5	18.1	17.8	16.2	13.6	9.2	5.8
NSE300	2.2	3	23	39		22.1	21.9	20.8	18.9	16.5	13	8.5

NSM Pool Pump(50Hz)

Model definition

NS M 150 G D W S
S:304;L:316L
W:50Hz;L:60Hz
S: three phase(≤3KW , 220/380V;>3KW , 380V)
D: single phase (220V(50Hz);230V(60Hz))
G: Metric joints; Y: Inch joints
Motor power (HP*100)
Series number
Pool pump

Motor

- 220/380v, asynchronous, two pole
- The protection level is IP55
- Insulation class is F class
- Continuous operation
- Built-in overheat protection circuit breaker device

Typical application

- Residential and commercial swimming pools
- Water park
- Water gardening
- Mariculture
- Hot spring spa

Self-priming height

- 3 meters



Work conditions

- Medium temperature: 5-50°C
- Ambient temperature: ≤40°C
- Max. working pressure: 0.3MPa

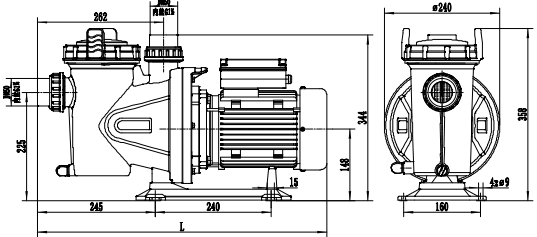
Material

- Pump body and other water inlet and outlet parts are made of engineering plastics
- Mechanical seal is made of graphite/silicon carbide
- O- ring is made of NBR
- The motor casing is made of aluminum

Pool pump joint assembly

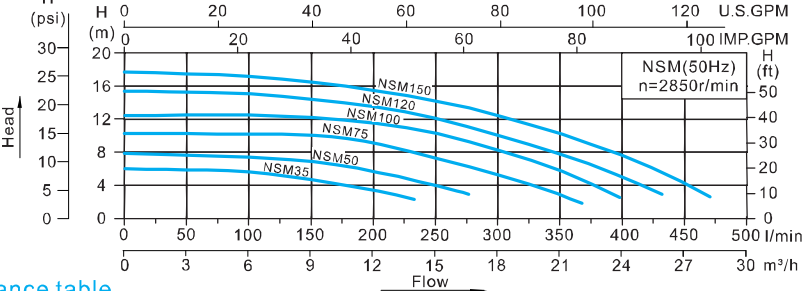


Installation sketch



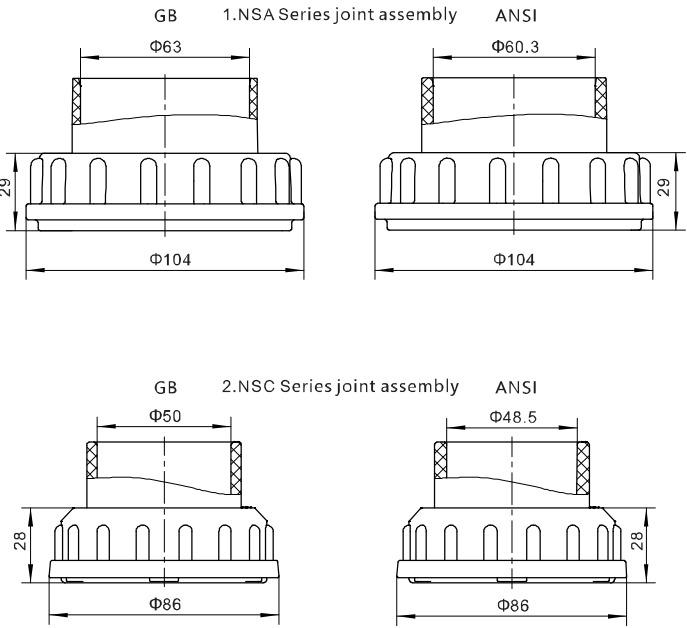
Model	L
NSM35	590
NSM50	
NSM75	
NSM100	610
NSM120	
NSM150	

Performance curve



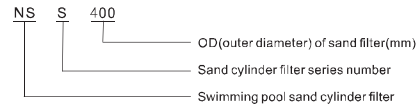
Performance table

Model	P ₂ [kW]	P ₂ [HP]	Max.Head [m]	Max.Flow [m³/h]	Flow Q[m³/h]	3	6	9	12	15	18	21	24
NSM35	0.25	0.35	6.5	13	Head H[m]	6	5.5	5	3				
NSM50	0.37	0.5	7.8	16		7.5	7.2	7	6	3.8			
NSM75	0.55	0.75	10.5	19		10.5	10	9.8	9	6.5	5		
NSM100	0.75	1	12.5	22		12.5	12.3	12	11.5	10.5	8.2	5.8	
NSM120	0.9	1.2	15	24		15	14.5	14	13.5	12	10	7.5	5
NSM150	1.1	1.5	17.5	27		17.5	16.5	16	15.5	14	12.5	10.5	7.5



NGS sand filter cylinder

Model Definition



Product profile

- NGS ejector sand cylinder filter is made of glass fiber and resin; good chemical corrosion resistance, sun protection and UV protection. Sand cylinder has a certain degree of elasticity, not easy to crack, broken; The design of water distributor is unique and the efficiency of culvert drainage system is high. After filtering the pool water through the sand tank filter, the effluent turbidity is less than 2 degrees, which has the priority in the filtration system of swimming pool, spa, water scape and water park.

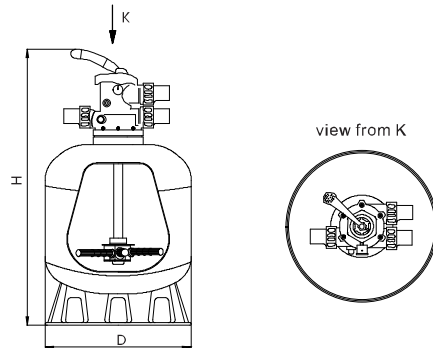
Working condition

- Liquid temperature: 5~50 °C ● Max. working pressure: 0.25MPa
- Liquid temperature: ≤50

Characteristics

- Polyurethane protective layer to protect against ultraviolet rays.
- Six-way valve designed ergonomically.
- Excellent filtering ability
- Chemical corrosion resistance;
- Pressure gauges showing the dynamic pressure
- With side flushing functions, simple operation, no maintenance costs.
- The bottom discharge valve facilitates the removal or replacement of sand in the cylinder.

Installation sketch

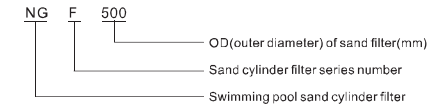


Performance table

Model	The sand cylinder diameter D (inch/mm)	Inlet and outlet pipe diameter (inch)	Flaw (m³/h)	Filtration area (m²)	Filter material weight (Kg)	Overall height H (mm)	Package size (mm) no multifunction valve	Weight (Kg) no multifunction valve
NGS-400	16"/φ400	1.5"	6.3	0.13	35	435	410*410*490	11.5
NGS-450	18"/φ450	1.5"	7	0.14	50	725	440*440*540	12.5
NGS-500	20"/φ500	1.5"	10	0.2	80	805	510*510*670	14
NGS-600	24"/φ600	1.5"	15	0.3	160	875	630*630*670	19
NGS-700	28"/φ700	1.5"	18.5	0.37	220	975	710*710*670	22.5
NGS-800	32"/φ800	2"	25	0.5	370	1145	830*830*930	39.5
NGS-900	36"/φ900	2"	30	0.64	447	1255	900*900*990	40
NGS-1000	40"/φ1000	2"	35	0.79	700	1350	1030*1030*1200	55
NGS-1100	44"/φ1100	2"	44	0.98	960	1490	1135*1135*1260	60
NGS-1200	48"/φ1200	2"	50	1.13	1200	1555	1230*1230*1380	68
NGS-1400	56"/φ1400	2"	68	1.53	1700	1775	1410*1410*1550	96

NGF sand filter cylinder

Model Definition



Product profile

- NGS ejector sand cylinder filter is made of glass fiber and resin; good chemical corrosion resistance, sun protection and UV protection. Sand cylinder has a certain degree of elasticity, not easy to crack, broken; The design of water distributor is unique and the efficiency of culvert drainage system is high. After filtering the pool water through the sand tank filter, the effluent turbidity is less than 2 degrees, which has the priority in the filtration system of swimming pool, spa, water scape and water park.

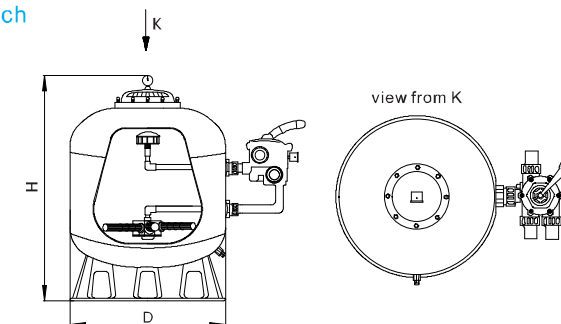
Working condition

- Liquid temperature: 5~50 °C ● Max. working pressure: 0.25MPa
- Liquid temperature: ≤50

Characteristics

- Polyurethane protective layer to protect against ultraviolet rays.
- Six-way valve designed ergonomically.
- Excellent filtering ability
- Chemical corrosion resistance;
- Pressure gauges showing the dynamic pressure
- With side flushing functions, simple operation, no maintenance costs.
- The bottom discharge valve facilitates the removal or replacement of sand in the cylinder.

Installation sketch

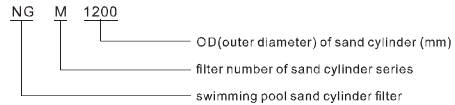


Performance table

Model	The sand cylinder diameter D (inch/mm)	Inlet and outlet pipe diameter (inch)	Flaw (m³/h)	Filtration area (m²)	Filter material weight (Kg)	Overall height H (mm)	Package size (mm) no multifunction valve	Weight (Kg) no multifunction valve
NGF-500	20"/φ500	1.5"	10	0.2	80	590	510*510*670	14
NGF-600	24"/φ600	1.5"	15	0.3	160	660	630*630*670	19
NGF-700	28"/φ700	1.5"	18.5	0.37	220	740	710*710*670	22.5
NGF-800	32"/φ800	2"	25	0.5	370	890	830*830*930	39.5
NGF-900	36"/φ900	2"	30	0.64	447	960	900*900*990	40
NGF-1000	40"/φ1000	2"	35	0.79	700	1080	1030*1030*1200	57
NGF-1200	48"/φ1200	2"	50	1.13	1200	1250	1230*1230*1380	68

NGM sand filter cylinder

Model Definition



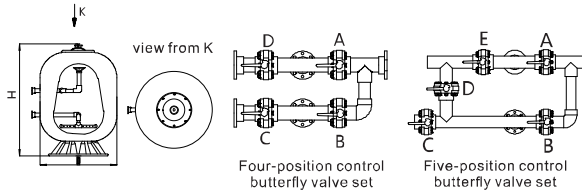
Working condition

- Liquid temperature: 5~50 °C
- Liquid temperature: ≤50 °C
- Max. working pressure: 0.25MPa

Characteristics

- High quality glass fiber and resin adopted ,
- The cylinder body and surface are treated with sunscreen.
- The top is designed to easily remove air from the filtration process.
- Perspective mirror and access manhole Settings are optional.

Installation sketch



Product name	No	Specification (inch)
Four-position control butterfly valve set	A-01	3"
	A-02	4"
	A-03	6"
	A-04	8"
Five-position control butterfly valve set	B-01	3"
	B-02	4"
	B-03	6"
	B-04	8"

Function table of four-control butterfly valve set

Functions	A	B	C	D
Normal filtration	Opening	Closing	Opening	Closing
Backwash	Closing	Opening	Closing	Opening
Drainage without filtration	Opening	Closing	Closing	Opening
Circulation without filtration	Closing	Opening	Opening	Closing

Function table of five-control butterfly valve set

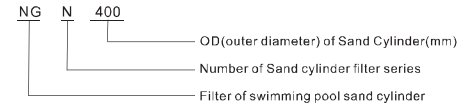
Functions	A	B	C	D	E
Normal filtration	Opening	Closing	Opening	Closing	Closing
Backwash	Closing	Opening	Closing	Closing	Opening
Bottom pipe cleanings	Opening	Closing	Closing	Closing	Opening
Drainage without filtration	Opening	Closing	Closing	Closing	Opening
Circulation without filtration	Closing	Opening	Opening	Closing	Closing

Performance table

Model	The sand cylinder diameter D (inch/mm)	Perspective Glass (mm)	Inlet and outlet pipe diameter (inch)	Flaw (m³/h)	Filtration area (m²)	1-2mm Coarse Sand (Kg)	0.5-0.8mm Fine Sand (Kg)	Overall Height H (mm)
NGM-1200	48"Φ1200	80	3"	45	1.13	300	900	1400
NGM-1400	56"Φ1400	80	4"	61	1.54	450	1350	1600
NGM-1600	64"Φ1600	80	4"	80	2.01	700	2300	1750
NGM-1800	72"Φ1800	80	6"	101	2.54	900	2900	1950
NGM-2000	80"Φ2000	80	6"	125	3.14	1100	4000	2230
NGM-2350	94"Φ2350	80	8"	166	4.34	1600	6000	2370
NGM-2500	100"Φ2500	80	8"	200	4.9	1800	6700	2450
NGM-3000	118"Φ3000	80	8"	280	7.07	3300	18963	2660

NGN sand filter cylinder

Model definition



Product profile

- NGN has portable filtration equipment, which integrates set filters and pumps as one. It is simple and light, having easy installation and small size. It is suitable for small swimming pool, massage pool, recuperation pool and other places for its small occupation.

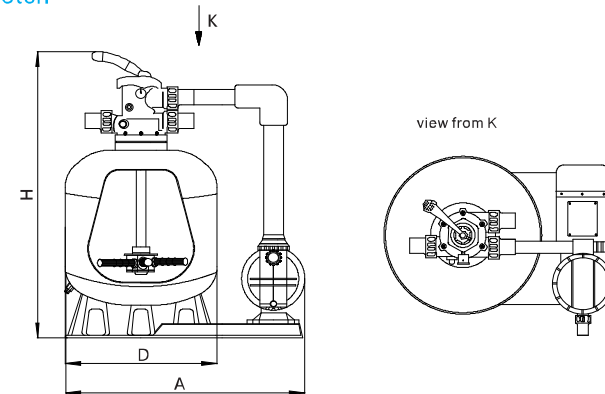
Working condition

- Liquid temperature: 5~50 °C
- Liquid temperature: ≤50 °C
- Max. working pressure: 0.25MPa

Characteristics

- All-in-one for simple installation
- Small volume for transportation convenience
- Small area occupation
- Metric or inch water pipes can be joined.
- 0.5-0.8 standard arenaceous sand used

Installation sketch

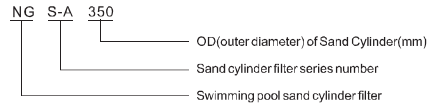


Performance table

Model	The diameter D of Sand Cylinder (inch/mm)	Inlet and Outlet Pipe Diameter (inch)	Flaw (m³/h)	Filtration area (m²)	Filter material weight (Kg)	Overall Height H (mm)	Package Size (mm) multifunction valve	Weight (Kg) without multifunction valve.	Overall Length A (mm)	Suited Pump Power HP
NGN-400	16"Φ400	1.5"	6	0.13	50	710	625*425*495	24	600	0.75HP/220V
NGN-500	20"Φ500	1.5"	11	0.2	80	805	735*555*605	27	720	1HP/220V
NGN-600	24"Φ600	1.5"	14	0.3	160	875	804*630*690	35.8	800	1.2HP/220V
NGN-700	28"Φ700	1.5"	19	0.37	220	965	1030*750*800	46	1020	1.5HP/220V

NGS-A stainless steel filter cylinder

Model definition



Working condition

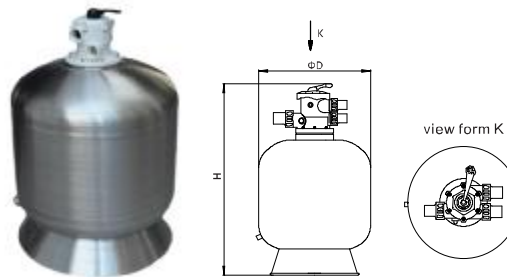
- Liquid temperature: 5~50 °C
- Liquid temperature: ≤50 °C
- Max. working pressure: 0.25MPa

Product profile

- It is made of environmental protection, high quality stainless steel materials, which made it strong and durable, not easy to wear, easy to operate, and it have economic, high performance configuration. It has a strong cylinder body with its features of worn-hardly, easily-installed and easily-maintained, excellent filtering ability and so on.

Note: Can be customized according to customer needs

Installation Sketch

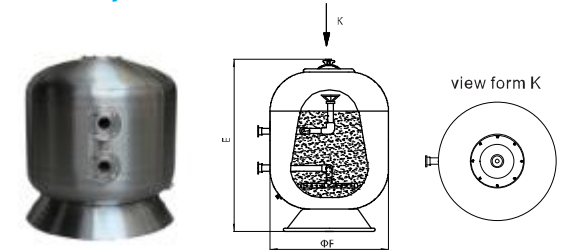


Performance table

Model	Inlet and Outlet Pipe Diameter (inch)	Flaw (m³/h)	Filtration area (m²)	Filter material weight (Kg)	Cylinder body volume (m³)	Weight of Cylinder head (Kg)	D (mm)	H (mm)
NGS-A350	1.5"	4.50	0.10	25	0.06	3	350	750
NGS-A400	1.5"	6.50	0.13	34	0.09	3	410	770
NGS-A450	1.5"	8.00	0.16	50	0.15	3	450	830
NGS-A500	1.5"	11.5	0.23	80	0.20	3	535	870
NGS-A650	1.5"	16.0	0.32	160	0.32	3	635	970
NGS-A700	1.5"	20.0	0.40	220	0.42	3	710	1040
NGS-A800	2"	25.0	0.50	370	0.68	5	900	1250
NGS-A900	2"	30.0	0.64	447	0.95	5	1000	1350
NGS-A1000	2"	35.0	0.79	700	1.29	5	1200	1555
NGS-A2000	2"	50.0	1.13	1200	2.26	5	1400	1775

NGF-A Stainless Steel Filter Cylinder

Installation Sketch

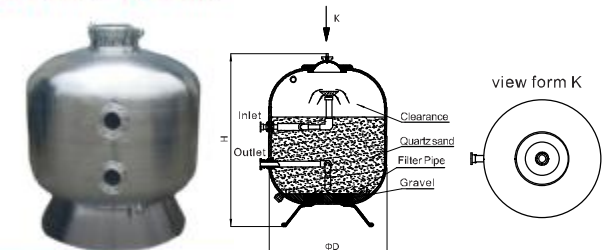


Performance table

Model	Inlet and Outlet Pipe Diameter (inch)	Flaw (m³/h)	Filtration area (m²)	Filter material weight (Kg)	Cylinder body volume (m³)	Weight of Cylinder head (Kg)	F (mm)	E (mm)
NGF-A450	1.5"	8.00	0.16	50	0.15	3	450	670
NGF-A500	1.5"	11.5	0.23	80	0.20	3	535	710
NGF-A650	1.5"	16.0	0.32	160	0.32	3	636	810
NGF-A700	1.5"	20.0	0.40	220	0.42	3	710	880
NGF-A800	2"	25.0	0.50	380	0.68	3.8	800	1020
NGF-A900	2"	30.0	0.64	453	0.92	3.8	900	1110
NGF-A1000	2"	35.0	0.79	712	1.48	3.8	1000	1140
NGF-A1100	2"	44.0	0.98	975	1.98	3.8	1110	1280
NGF-A1200	2"	50.0	1.13	1220	2.42	3.8	1200	1385
NGF-A1400	2"	76.0	1.53	1720	3.26	3.8	1400	1600

NGM-A Stainless Steel Filter Cylinder

Installation Sketch

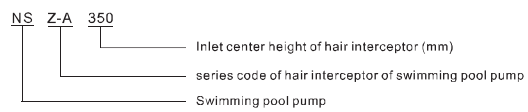


Performance table

Model	Inlet and Outlet Pipe Diameter (inch)	Flaw (m³/h)	Filtration area (m²)	Filter material weight (Kg)	Standard Volum (m³)	D (mm)	H (mm)
NGM-A1200	3"	56	1.13	1000	2.2	1200	1400
NGM-A1400	4"	78	1.54	1800	3.8	1400	1600
NGM-A1600	4"	102	2.00	2500	5.1	1600	1750
NGM-A1800	6"	129	2.54	3100	6.5	1800	1950
NGM-A2000	6"	159	3.14	3800	8.7	2000	2140
NGM-A2200	8"	190	3.80	4800	13.5	2200	2300
NGM-A2350	8"	208	4.15	5250	14.6	2350	2350
NGM-A2500	8"	246	4.90	5950	19.6	2500	2450

NSZ-A stainless steel hair interceptor

Model definition



Product profile

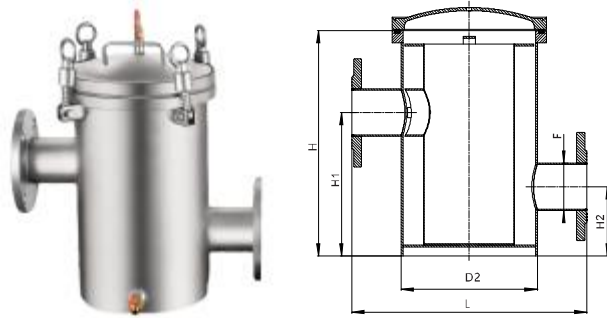
- The hair interceptor is the filtration equipment for swimming pool and other water use places, and it is the key equipment for water recycling. It is made of environmental protection and high-quality stainless steel, and advanced welding technology and surface treatment ensuring its quality and appearance.

Characteristics

- Stainless steel 304 material body, built-in stainless steel filter basket, high strength corrosion resistant
- Top-style structure, open fast, clean easily
- International flange interface, easy installation
- Vent device in the bottom
- Standard aperture of filter net

Note: Can be customized according to customer needs

Installation Sketch



Performance table

Model	L	H	H1	H2	D2	F	Max.Flow(m³/h)
NSZ-A232	380	350	232	112	220	DN65	35
NSZ-A252	380	350	252	132	220	DN65	60
NSZ-A300	380	400	300	160	220	DN65	60
NSZ-A280	435	400	280	160	275	DN80	130
NSZ-A330	550	500	330	180	350	DN100	200

Typical Cases



Bird's Nest (Olympic stadium)



Hilton Hotel (Guangzhou)



CCTV tower



Daishan County Xiushan
Seawater Desalination Project



Exported to Dubai, the
Netherlands etc.



Cooperate with many universities,
establish R&D center, high-level
production and study platform.