

Thank you for choosing NEWIN cooling tower.  
For more information or assistance, contact us  
through following contact information please.

# COOLING TOWER

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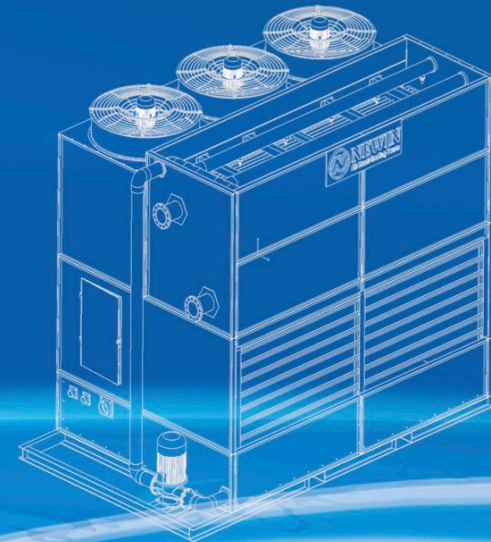
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Your local contact

## NEWIN MACHINERY

Relying on Singapore's advanced technology, NEWIN commits to providing excellent cooling technical support and services to customers worldwide more than ten years. To better implement the latest cooling and energy-saving design concepts, and grows together with the booming Chinese market, the sales and marketing center Shenzhen Newin Machinery was set up in 2012, to provide reliable and stable high-quality cooling equipments to customers around the world. Newin China factory was set up in 2016, located in Dongguan city, Guangdong.

Newin Machinery takes the advanced technology of Singapore R & D center, continuously improve and update products, develop and design high-quality green and energy-saving industrial cooling equipments, such as closed cooling towers, open cooling towers, evaporative condensers, air coolers, dry and wet adiators provide excellent products and service for the HVAC, process cooling, industrial and refrigeration markets.

Newin is a certified enterprise of QS (quality system), ISO9001: 2016 and environmental system ISO14001:2016. Newin cooling towers keep a stable growth in the market of Southeast Asia, Middle East, South America, Arica area,etc. Based on our strongly development and comprehensive management, with great after-sales service, Newin products are well-known for the customers worldwide.



### ● Closed Cooling Tower

<b>NWF series</b> mixed closed cooling tower	P1-P2
<b>NWN series</b> counterflow closed cooling tower	P3-P4

### ● Open type Cooling Tower

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<b>NSH series</b> square type counterflow cooling tower	P7-P8
<b>NRT series</b> counterflow round type cooling tower	P9-P10

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<b>Acid and Alkali Resistant Solution</b>	P17
F.R.P framework cooling tower	

<b>Mud &amp; Sands / Oil &amp; Fat / Alga &amp; Moss Waste Water Solution</b>	
Splash fill cooling tower	P18

<b>Project Case and Products for option</b>	P19-P20
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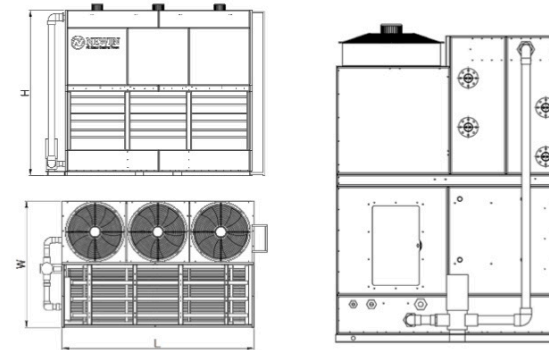
Model Description

**N W F - 0 0 0**

mixedflow closed cooling tower      cooling capacity

- Small cover area, convenient transportation & installation
- Excellent heat exchange performance and low failure rate
- Low operation cost, energy saving and environmental friendly
- Convenient maintenance without stop working

Technical Data

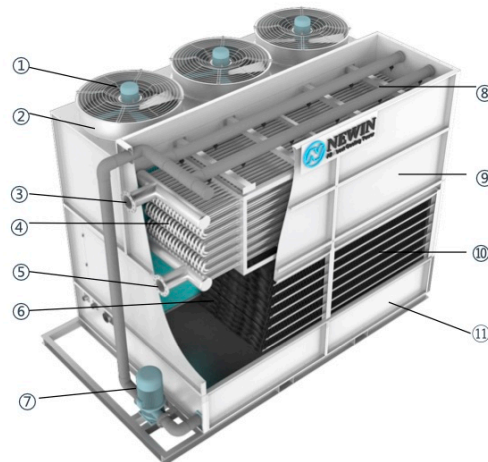


Design Conditions

- Entrance temp.  $t_1 = 37^\circ\text{C}$
- Leaving temp.  $t_2 = 32^\circ\text{C}$
- Wet bulb temp.  $t_{WB} = 28^\circ\text{C}$
- Dry bulb temp.  $t_{DB} = 31.5^\circ\text{C}$
- Atmospheric pressure
- $P_0 = 9.94 \times 10^4 \text{ Pa}$

NWF Series Structure

- ① Fan motor
- ② Fan stack
- ③ Water inlet
- ④ Coil cooler
- ⑤ Water outlet
- ⑥ Fills
- ⑦ Spray pump
- ⑧ Distribution system
- ⑨ Casing
- ⑩ Air inlet grid
- ⑪ Water basin



Application Industries

- Energy industry
- Chemical industry
- Plastic industry
- Pharmaceutical industry
- Food processing industry
- Industrial refrigeration
- HVAC system
- Metal processing industry
- Machinery manufacturing

Model	Cooling capacity (Kw)	Fan power (Kw)	Pump power (Kw)	Dimension (mm)			Weight (Kg)	
				Length	Width	Height	Dry	Wet
NWF-600	600	4.0*3	1.5	4300	2200	2560	2750	4500
NWF-750	750	4.0*3	2.2	4300	2200	2560	2950	5000
NWF-900	900	4.0*4	2.2	5100	2200	2560	3150	5500
NWF-1000	1000	4.0*4	3.0	5600	2200	3000	3350	6000
NWF-1150	1150	5.5*3	4.0	5600	2850	3750	3550	6300
NWF-1450	1450	7.5*3	5.5	5600	3250	3950	4150	6800

Model	Pipe Size (DN)					
	Inlet	Outlet	Auto Feed	Quick Feed	Overflow	Drain
NWF-600	100*2	100*2	25	40	50	40
NWF-750	100*2	100*2	25	40	50	40
NWF-900	100*2	100*2	25	40	50	40
NWF-1000	125*2	125*2	25	40	50	40
NWF-1150	125*2	125*2	40	40	50	40
NWF-1450	125*2	125*2	40	40	50	40

\* Please do not directly use the data for engineering construction, confirm with the sales engineer when purchasing.  
 \* NEWIN reserves the right to modify the tables's information without further notice

Model Description

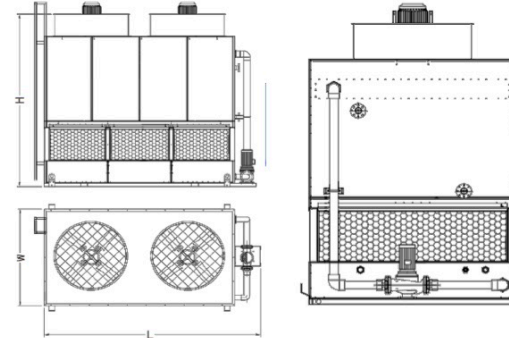
**N W N - 0 0 0**

counterflow closed cooling tower      cooling capacity

- Large internal space & smaller occupied area
- Excellent heat exchange performance & smaller wind resistance
- Non-stop maintenance & simple maintenance work



Technical Data

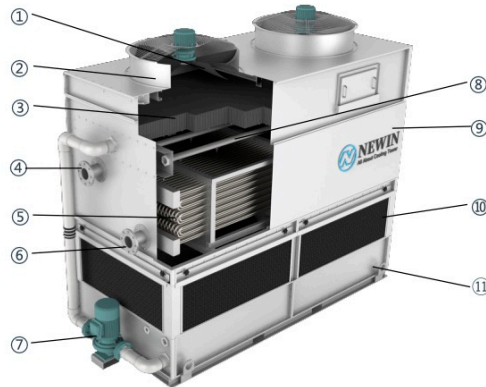


Design Conditions

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 Dry bulb temp.  $t_{DB} = 31.5^\circ\text{C}$   
 Atmospheric pressure  
 $P_0 = 9.94 \times 10^4 \text{ Pa}$

NWN Series Structure

- ① Fan
- ② Fan stack
- ③ Drift eliminator
- ④ Water inlet
- ⑤ Coil cooler
- ⑥ Water outlet
- ⑦ Spray pump
- ⑧ Distribution system
- ⑨ Casing
- ⑩ Air inlet grid
- ⑪ Water basin



Application Industries

- Energy industry
- Chemical industry
- Plastic industry
- Pharmaceutical industry
- Food processing industry
- Industrial refrigeration
- HVAC system
- Metal processing industry
- Machinery manufacturing

Model	Cooling capacity (Kw)	Fan power (Kw)	Pump power (Kw)	Dimension (mm)			Weight (Kg)	
				Length	Width	Height	Dry	Wet
NWN-35	35	0.55	0.75	1850	900	2350	450	800
NWN-50	50	0.75	0.75			2450	600	950
NWN-60	60	0.75	0.75			2500	720	1100
NWN-90	90	0.55*2	0.75	2350	1150	2400	1850	3300
NWN-120	120	0.75*2	0.75			2500	2100	3500
NWN-150	150	1.1*2	0.75	2850	1150	2650	2350	3800
NWN-180	180	1.1*2	0.75			2700	2750	4500
NWN-230	230	1.2*2	1.1	3350	1400	2650	2950	5000
NWN-290	290	1.2*2	1.1				3150	5500
NWN-350	350	2.2*2	1.1				3350	6000
NWN-400	400	2.2*2	1.1	3850	1400	2900	3550	6300
NWN-450	450	3.0*2	1.5			3250	4150	6800
NWN-500	500	3.0*2	1.5	3850	2200	3250	5150	7300
NWN-600	600	3.0*2	1.5				3350	5550
NWN-750	750	4.0*2	2.2	4450	2200	3500	6050	8500
NWN-850	850	4.0*2	2.2				3700	7120
NWN-1000	1000	5.5*2	3.0	4950	3000	3600	7150	9500
NWN-1150	1150	7.5*2	3.0				3700	7720
NWN-1300	1300	7.5*2	4.0	5450	3000	3950	8300	12700
NWN-1450	1450	7.5*2	4.0				4100	10680

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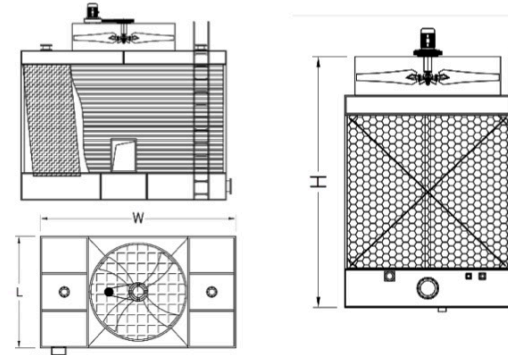


**Model Description**

**N S T - 0 0**  
crossflow cooling tower      air inlet length

- Space saving & lightweight structures
- Good corrosion resistance
- Convenient combination & easy maintenance
- Energy saving & low noise

**Technical Data**

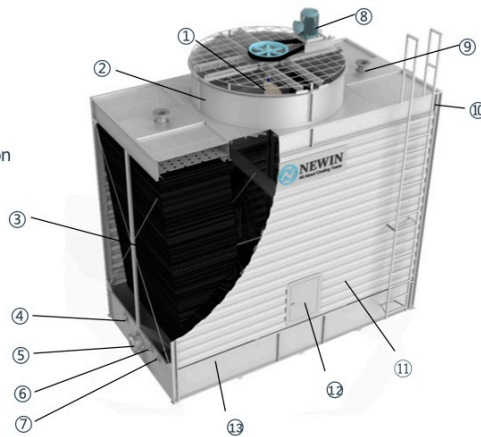


**Design Conditions**

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 Dry bulb temp.  $t_{DB}= 31.5^\circ\text{C}$   
 Atmospheric pressure  
 $P_0= 9.94 \times 10^4 \text{ Pa}$

**NST Series Structure**

- ① Fan
- ② Fan stack
- ③ Infill
- ④ Overflow
- ⑤ Water outlet
- ⑥ Auto feed
- ⑦ Manual feed
- ⑧ Motor
- ⑨ Water distribution
- ⑩ Ladder
- ⑪ Casing
- ⑫ Access door
- ⑬ Water basin



**Optional Accessories**

- Noise reduction upgrade
- Handrail & safety caged ladder
- High- temperature upgrade
- Vibration isolator & Rubber mat
- Anti- Freeze heater
- Stainless steel framework / bots and nuts (304/316)

Model	Fan		Dimension (mm)			Water Inlet (DN)	Water Outlet (DN)	Weight (Kg)	
	Diameter (mm)	Power (Kw)	Width	Length	Height			Dry	Wet
NST - 19 -A16-3A12-C1	1600	3.0	3800	1900	3680	100*2	125	1250	2650
NST - 22-B16-3A12-C1	1600	4.0	3800	2200	3680	125*2	150	1350	2750
NST - 22-B18-3A14-C1	1800	4.0	4010	2200	4080	125*2	150	1450	2950
NST - 26-C22-3A14-C1	2200	5.5	4420	2600	4080	125*2	200	1550	3250
NST - 26-C22-3A15-C1	2200	5.5	4420	2600	4280	150*2	200	1720	3530
NST - 26-D22-3A16-C1	2200	7.5	4420	2600	4480	150*2	200	1820	4170
NST- 30-D24-3A16-C1	2400	7.5	4620	3000	4680	150*2	250	2280	4700
NST - 30-D24-4A14-C1	2400	7.5	5230	3000	4280	150*2	250	2620	5470
NST - 30-E24-4A16-C1	2400	11	5230	3000	4680	150*2	250	2750	5700
NST - 33-E28-4B18-C1	2800	11	5640	3300	5130	150*4	300	3050	6600
NST - 33-F28-4B20-C1	2800	15	5640	3300	5530	150*4	300	3450	7000
NST - 38-F28-4B20-C1	2800	15	5640	3800	5530	150*4	300	3750	7800
NST - 38-F34-4B20-C1	3400	15	6240	3800	5630	150*4	350	4250	8600
NST - 46-G34-4B20-C1	3400	18.5	6240	4600	5630	150*4	350	4850	10200
NST - 46-G36-4B22-C1	3600	18.5	6450	4600	6030	150*4	350	5250	14500
NST - 51-I36-4B22-C1	3600	30	6450	5100	6080	200*4	400	5650	15500
NST - 53-J42-4B24-C1	4200	30	7060	5300	6530	200*4	400	6450	17800
NST - 53-J42-4B26-C1	4200	37	7440	5300	6930	200*4	400	7150	19500

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Model Description

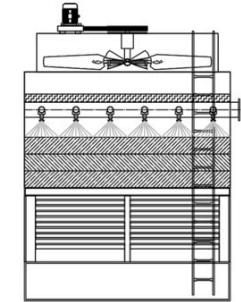
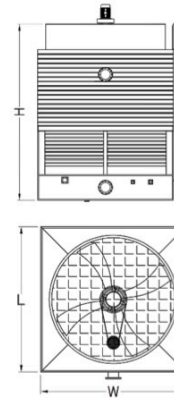
**NSH - 0000**

counterflow cooling tower      tower size



- Superior counter flow design, prevent dust goes into the fill
- PVC fill block not exposure to sunshine, less legionella and algae
- Low operation cost and energy saving
- Reliable cooling efficiency and long service life

Technical Data

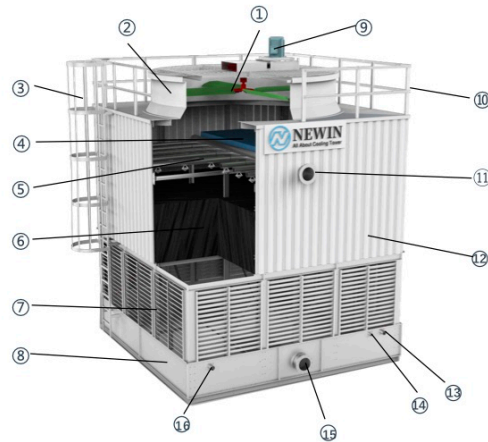


Design Conditions

- Entrance temp.  $t_1 = 37^\circ\text{C}$
- Leaving temp.  $t_2 = 32^\circ\text{C}$
- Wet bulb temp.  $t_{WB} = 28^\circ\text{C}$
- Dry bulb temp.  $t_{DB} = 31.5^\circ\text{C}$
- Atmospheric pressure
- $P_0 = 9.94 \times 10^4 \text{ Pa}$

NSH Series Structure

- ① Fan
- ② Fan stack
- ③ Caged ladder
- ④ Drift eliminator
- ⑤ Water distribution
- ⑥ Fills
- ⑦ Air inlet grid
- ⑧ Water basin
- ⑨ Motor
- ⑩ Guardrail
- ⑪ Water inlet
- ⑫ Casing
- ⑬ Auto feed
- ⑭ Manual feed
- ⑮ Water outlet
- ⑯ Overflow



Optional Accessories

- Noise reduction upgrade
- Vibration isolator & Rubber mat
- Stainless steel framework / bolts and nuts (304/316)
- High- temperature upgrade
- Anti- Freeze heater

Model	Fan		Dimension (mm)			Intel (DN)	Outlet (DN)	Weight (Kg)	
	Diameter (mm)	Power (Kw)	Width	Length	Height			Dry	Wet
NSH-88	1600	3.0	2000	2000	3600	150	150	1150	2370
NSH-99	1800	4.0	2250	2250	3650	150	150	1250	2550
NSH-1010	2200	4.0	2500	2500	3700	150	150	1450	2980
NSH-1111	2200	5.5	2750	2750	3800	150	150	1620	3300
NSH-1212	2400	5.5	3000	3000	4100	200	200	1800	4690
NSH-1313	2400	7.5	3250	3250	4350	200	200	1950	4515
NSH-1414	2800	7.5	3500	3500	4350	200	200	2350	5685
NSH-1515	2800	11	3750	3750	4750	250	250	2820	6450
NSH-1616	3400	11	4000	4000	4800	250	250	3150	6990
NSH-1818	3400	15	4500	4500	5250	300	300	3720	8250
NSH-2020	3400	15	5000	5000	5400	300	300	3950	8480
NSH-2020	3800	15	5000	5000	5400	300	300	4350	9580
NSH-2121	3800	18.5	5250	5250	5700	350	350	4880	10620
NSH-2222	4200	22	5500	5500	5900	350	350	5660	11780
NSH-2424	4200	30	6000	6000	6550	400	400	6720	13700
NSH-2626	4700	30	6500	6500	6550	400	400	7750	15670
NSH-2828	4700	30	7000	7000	6950	450	450	8400	17270

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Model Description

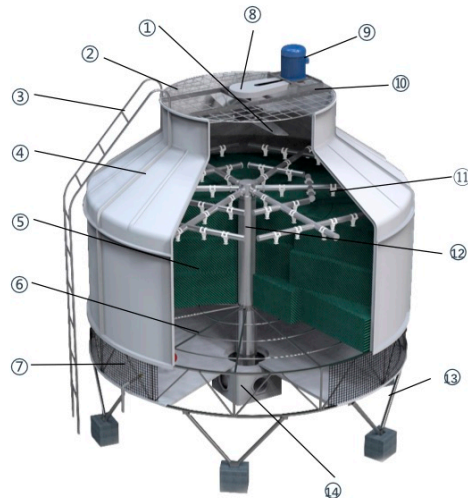
**N R T - 0 0 0**

counterflow round type cooling tower      cooling capacity

- Counter flow design with 3 layer infill
- PVC infill not exposure to sunshine, less legionella and algae, and long service life
- High efficiency, save energy to the largest extent
- Completely comply with national standards

NRT Series Structure

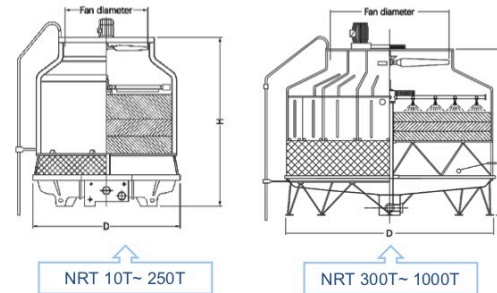
- |                  |                 |
|------------------|-----------------|
| ① Fan            | ⑧ Reducer       |
| ② Fan guard      | ⑨ Motor         |
| ③ Ladder         | ⑩ Motor support |
| ④ Casing         | ⑪ Nozzel        |
| ⑤ Fills          | ⑫ Central pipe  |
| ⑥ Fills support  | ⑬ Tower support |
| ⑦ Air inlet grid | ⑭ Water basin   |



Optional Accessories

- Noise reduction upgrade
- Vibration isolator & Rubber mat
- Stainless steel framework / bolts and nuts (304/316)
- High- temperature upgrade
- Anti- Freeze heater

Technical Data



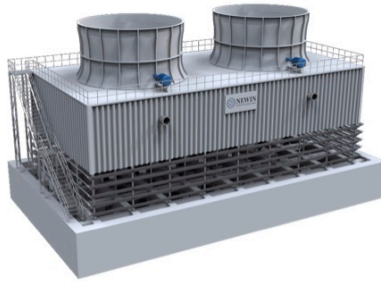
Design Conditions

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 Leaving temp.  $t_2 = 32^\circ\text{C}$   
 Wet bulb temp.  $t_{WB} = 28^\circ\text{C}$   
 Dry bulb temp.  $t_{DB} = 31.5^\circ\text{C}$   
 Atmospheric pressure  
 $P_0 = 9.94 \times 10^4 \text{ Pa}$

Model	Cooling capacity (RT)	Dimension (mm)		Fan		Weight (Kg)	
		Diameter	Height	Diameter (mm)	Power (Kw)	Dry	Wet
NRT-10	10	945	1530	600	0.18	120	460
NRT-20	20	1170	2300	770	0.37	150	700
NRT-30	30	1400	2400	770	0.55	180	860
NRT-40	40	1650	2420	890	1.1	240	1450
NRT-50	50	1830	2500	890	1.1	310	1790
NRT-60	60	2100	2550	1200	1.1	350	1970
NRT-80	80	2500	3100	1200	1.1	660	2310
NRT-100	100	2500	3000	1450	1.5	690	2400
NRT-125	125	2950	3800	1450	1.5	700	2400
NRT-150	150	2950	3800	1450	2.2	730	2450
NRT-175	175	2950	3600	1750	4.0	1020	2750
NRT-200	200	3420	3800	1750	4.0	1080	2940
NRT-250	250	3420	3700	2120	5.5	1320	4010
NRT-300	300	4160	4320	2120	5.5	1880	4880
NRT-350	350	4160	4220	2400	7.5	2180	5670
NRT-400	400	4730	4520	2400	7.5	2280	5800
NRT-450	450	4730	4320	2700	11	3450	7660
NRT-500	500	5760	5150	2700	11	3610	7800
NRT-600	600	5760	5000	3200	11	4850	11300
NRT-700	700	6600	5500	3400	15	5240	12800
NRT-800	800	6600	5350	3700	15	5530	13200
NRT-900	900	7600	5700	3700	15	5900	14600
NRT-1000	1000	7600	5700	4050	18.5	6350	15500

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Model Description



**NTG - 000**

counterflow industrial type cooling tower

water capacity

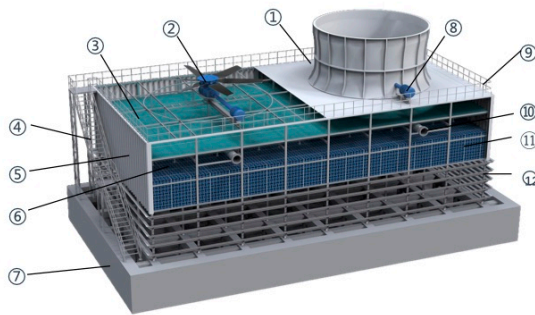
Special designed for heavy industry cooling process

- Electricpower industry
- Chemical ferilizer industry
- Petroleum chemical industry
- Sugar processing industry

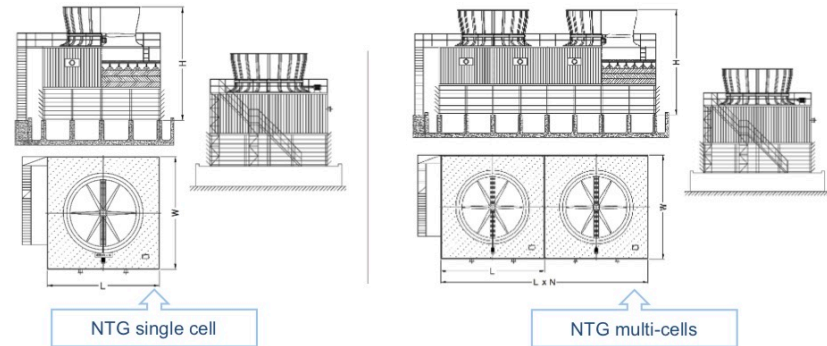
- Single cell water process cooling capacity from 800 to 4000 m<sup>3</sup>/hr. multi-cells are available for different space area limited.
- High anticorrosion tower construction ( HDGS or SUS 304/316) & well adjusted fan ( aluminum/FRP material)
- PVC drift eliminator to avoid the big water loss , high quality PVC fills ( PP for high temp.) to make higher efficient heat transfer.
- Convenient fencing and aisle make the maintenance easier.

NTG Series Structure

- ① Fan stack
- ② Fan
- ③ Drift eliminator
- ④ Ladder
- ⑤ Casing
- ⑥ Nozzles
- ⑦ Water basin
- ⑧ Motor
- ⑨ Guardrail
- ⑩ Water inlet
- ⑪ Fills
- ⑫ Air inlet grid



Technical Data



Design Conditions

Entrance temp.  $t_1 = 43^\circ\text{C}$   
 Leaving temp.  $t_2 = 33^\circ\text{C}$

Wet bulb temp.  $t_{WB} = 28^\circ\text{C}$   
 Dry bulb temp.  $t_{DB} = 31.5^\circ\text{C}$

Atmospheric pressure  
 $P_0 = 9.94 \times 10^4 \text{ Pa}$

Model	Flow (m <sup>3</sup> /h)	Dimension (mm)			Fan		Weight (ton)	
		Length	Width	Height	Diameter (mm)	Power (Kw)	Dry	Wet
NTG-800	800	7400	7400	7800	4700	30	11.63	18.45
NTG-1000	1000	9000	9000	8700	5460	45	19.68	31.23
NTG-1500	1500	10500	10500	9500	6000	55	29.34	46.75
NTG-2000	2000	12000	12000	10200	7700	90	45.03	68.69
NTG-2500	2500	13500	13500	10700	8000	132	46.2	75.3
NTG-3000	3000	15000	15000	11400	8530	160	65	99.2
NTG-3500	3500	16000	16000	12100	9140	160	76.05	104.8
NTG-4000	4000	17400	17400	12400	9140	200	78.5	132
NTG-5000	5000	18380	18380	13900	10300	250	85.5	139.5

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Model Description



**N W F L - 0 0 0**  
dry air cooler      cooling capacity

- No evaporating design
- Saving water consumption
- Closed water circuit
- Keeps environmental dry and clean without water open to air

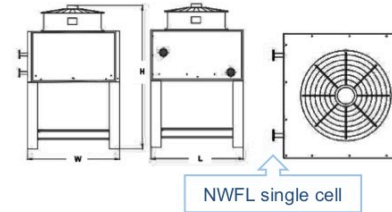
NWFL Series Main Parts

Casing	HDGS (Option:Galvanized Steel or SUS304)
Frame	HDGS (Option:SUS304)
Axial fan	Hub: Cast Iron Blades: Aluminum Alloy
Drive	Direct shaft transmission drive
Motor	closed cooling tower dedicated motor
Copper coil	seamless copper tube expand into collared aluminium plate fins

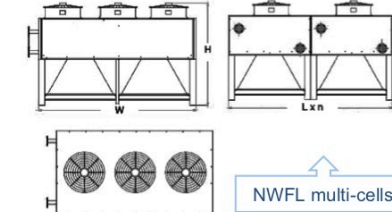
Applications

- Fertilizer plants
- Cement and sugar industries
- Water treatment plants
- Chemical and petrochemical plants
- Plastic extruder plant
- Air gas compressors manufacturing
- Automobile industry
- Steel foundry & forgings
- Machinery manufacturing

Technical Data



NWFL single cell



NWFL multi-cells

Model	Heat transfer capacity (Kw)	Dimension (mm)			Fan		Air flow (m³/h)	Inlet/outlet pipe dimension (DN)	Weight (Kg)	
		Length	Width	Height	Power (Kw)	QTY (nos)			Dry	Wet
NWFL -30	30	1000	1000	1500	0.75	1	13000	32	600	800
NWFL -60	60	1000	2000	1500	0.75	2	26000	50	1100	1400
NWFL -120	120	1200	2800	1500	1.5	2	40000	50	1400	1800
NWFL -180	180	1500	2800	1600	2.2	2	50000	65	1500	1900
NWFL -300	300	1500	3200	1600	1.5	3	60000	80	1800	2200
NWFL -470	470	3000	2800	1900	2.2	6	80000	80 x 2	3600	4400
NWFL -590	590	3000	3200	1900	2.2	6	100000	80 x 2	3900	5500

Comparison

DRY COOLING TOWER	EVAPORATIVE COOLING TOWER AND HEAT EXCHANGER
No water consumption.	Huge losses of water due to evaporation, drift, spray loss and blow down.
No preparation is required for atmospheric air is available plenty	Water is scarce; Bringing water to site is expensive. Water had to be treated before use.
No scale formation. No cleaning of heat exchanger.	Scale formation is unavoidable. Frequent cleaning is required leading to high down time and expensive labour.
No major moving parts except fan and motor. Means negligible maintenance.	Maintenance is required on a day to day basis. V-belts, Bearing blocks, Pump couplings, and Sprinkler nozzles have to be cleaned.
No mixing of dust, dirt, fly ash or living organisms with process water.	Water exposed to dust and dirt will be contaminated. Fungus formation and living organisms will foul heat exchanger which requires cleaning.
No restriction on plant location.	Water source decides the location of large plants.
No corrosions due to air.	Steel parts in contact with water are corroded.

**Model Description**

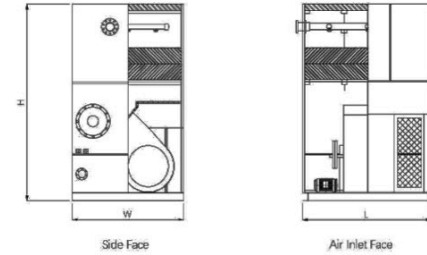


**N C F - 0 0 0**

forced draft cooling tower      cooling capacity

- Modular structure, high quality Zinc magnesium aluminum material
- Multi channel V-belt transmission, low noise, smooth running
- Centrifugal fan to meet cooling tower heat transfer performance
- International standard motor with high efficiency, low noise, and long service life

**Technical Data**

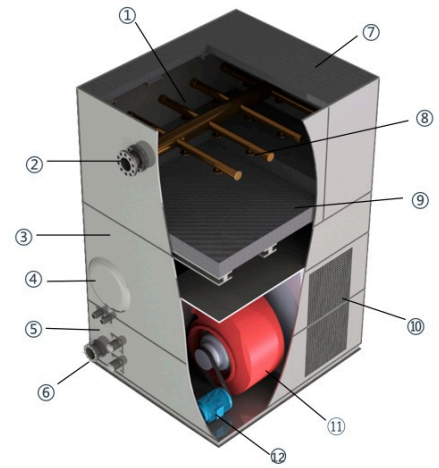


**Design Conditions**

- Entrance temp.  $t_1 = 37^\circ\text{C}$
- Leaving temp.  $t_2 = 32^\circ\text{C}$
- Wet bulb temp.  $t_{WB} = 28^\circ\text{C}$
- Dry bulb temp.  $t_{DB} = 31.5^\circ\text{C}$
- Atmospheric pressure
- $P_0 = 9.94 \times 10^4 \text{ Pa}$

**NCF Series Structure**

- ① Water distribution
- ② Water inlet
- ③ Casing
- ④ Inspection door
- ⑤ Water basin
- ⑥ Water outlet
- ⑦ Drift eliminator
- ⑧ Nozzle
- ⑨ Fills
- ⑩ Safety guard
- ⑪ Centrifugal fan
- ⑫ Motor



**Application Industries**

- Energy industry
- Chemical industry
- Plastic industry
- Pharmaceutical industry
- Food processing industry
- Industrial refrigeration
- HVAC system
- Metal processing industry
- Machinery manufacturing

Model	Water flow	Power	Dimension (mm)			Inlet pipe diameter (DN)	Air Volume (m³/h)	Weight (Kg)	
	m³/h		Kw	Length	Width			Height	Dry
NCF-50	39	5.5	2500	1800	2700	200	22800	1000	2100
NCF-60	47	5.5	2500	1800	2700	200	24000	1100	2200
NCF-80	63	7.5	2500	1800	2700	200	32400	1150	2250
NCF-100	78	7.5	2500	2200	3870	200	37200	1200	3400
NCF-125	98	11	2500	2200	3870	200	48000	1400	3500
NCF-150	117	11	2500	2200	3870	200	52200	1450	3600
NCF-175	137	11	2500	2200	3870	200	61800	1500	3500
NCF-200	156	11	4350	2200	4050	200	67200	2300	6300
NCF-250	195	15	4350	2200	4050	200	79200	2300	6300
NCF-300	234	22.5	4350	2200	4050	200	96600	2600	6600
NCF-350	273	30	4350	2200	4050	250	108000	2800	6800

Main Parts			
Item	NCF-	NCF-S	NCF-SS
Frame	galvanized magnesium aluminum plate	304# stainless steel	316# stainless steel
Casing			
Water Basin			
Bolts&Nuts	304# stainless steel	304# stainless steel	316# stainless steel
Nozzle	ABS plastic		
Fill Media	PVC film fill		
Drift Eliminator	PVC cellular type		
Fan	Zinc-coated centrifugal fan		
Silencer	Asbestos board		



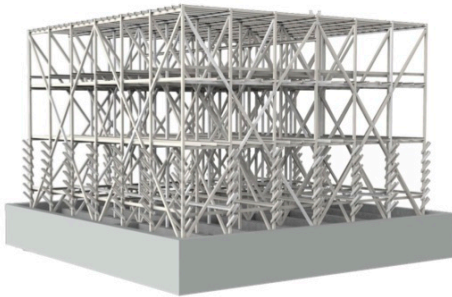
## F.R.P Framework Cooling Tower

- Acid and Alkali Resistant Solution

### Introduction

F.R.P framework cooling tower is a type of open circuit cooling tower designed to special applicant in corrosive liquid cooling process. Such as, sea water, chemical fluids, wood industrial, steel plant water, waste water, waste water treatment etc. It's a good replacement material of old treated wood frame cooling tower. The pultruded F.R.P profiles has good strength which can compare to carbon steel profiles, but better acid-base resistance property.

### F.R.P Framework Cooling Tower



#### Features

- ligh weight, high strength
- easy assembly and disassembly
- #304 or #316 stainless steel fastener
- acid and alkai resistant, long- life span



## Splash Fill Cooling Tower

- Mud & Sands / Oil & Fat / Alga & Moss Waste Water Solution

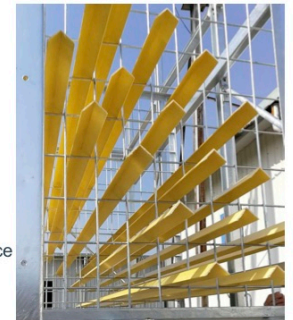
### How to fix the prolem that easy blocking of cooling tower film fills ?

For industrial applicants, the water contents are very complex. It may include oil, fibers, chemical precipitation and physical solid in the process water. All these contents would make the cooling tower easy blocking, and cooling effeciency decrease very fast and shorten its service lifetime. In order to solve this problem, NEWIN engineer team design and using the F.R.P. "L" type splash fills or trickle fill in NEWIN industrial waste water cooling tower. After years testing and marketing. The cooling tower have received a very good reputation from user from various of industrial.

### Splash Fill

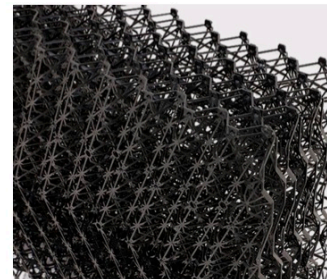
#### L type splash fills

- Made by high strength pultruded FRP material
- With-stand water temperature up to 100°C
- Anti-corrosion, it can work with both acidic water and alkaline water
- Strong "L" shape structure,ensures very long lifetime
- None easy blocking and it can work with oil, fiber, solide contents, chemical, sands and small rocks
- Multi-layers splashing water distribution ensures high thermal performance
- Easy installing and Easy maintenance



#### NTF Trickle fills

- Suitable for inferior water qualities
- High security against blockages
- Chemical and high temperature resistance of Polypropylene
- Cleaning with high pressure cleaners possible
- Long service life and easy Mechanical installation without glue, steel wire, bolts or any other accessories



Project case



NWN - 750 x 3



NSH - 2020 - C4



NWF - 600 x 6



NTG - 3000 - C4



NWGS - 900 x 3



NST - 303 x 6

Other Products for Option



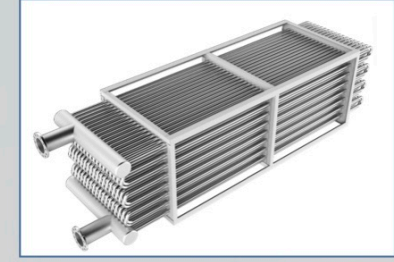
Full steel cross flow cooling tower



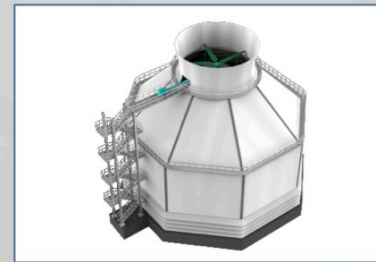
Full steel counter flow cooling tower



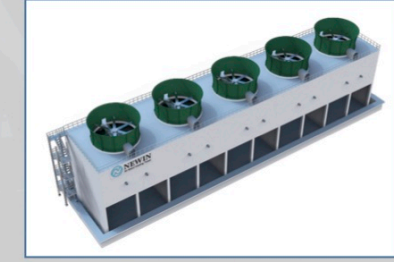
F.R.P framework cooling tower



Customized coil pipe



Customized cooling tower



Industrial type concrete cooling tower