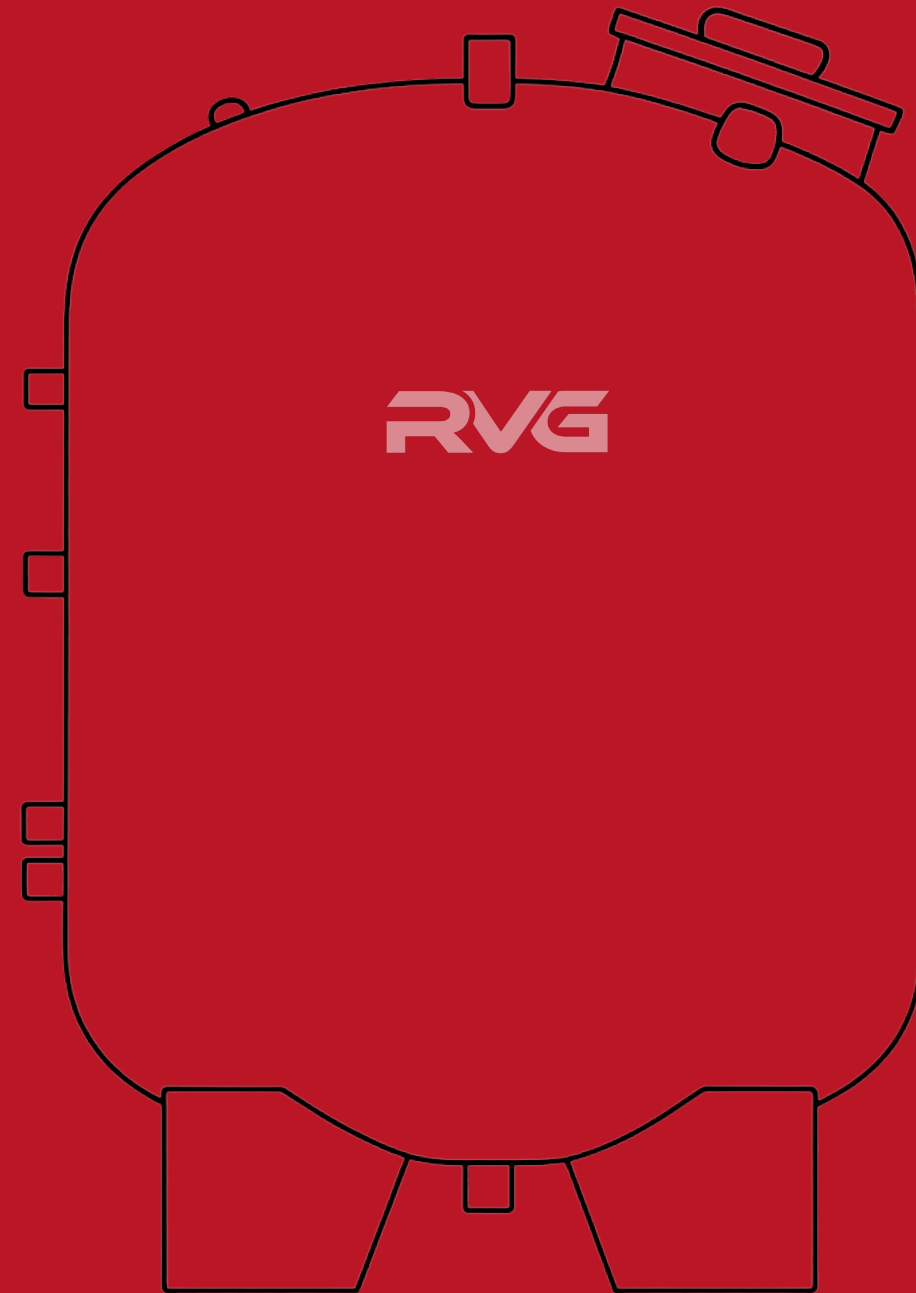


**RVG**

**RLT  
LARGE TANKS  
PRODUCT CATALOGUE**



# ABOUT RVG

## FROM GLOBAL HVAC HUB TO THE WORLD

With more than two decades of experience in the HVAC sector, RVG is based in Anji City, Zhejiang Province, which is one of the most prominent HVAC production centers in the world.

Zhejiang Province has been an important contributor to the development of the HVAC sector in China, providing complete systems as well as essential components to the global market.

At RVG, we have the in-house production of essential HVAC components as well as a robust partnership network to combine complementary products to provide complete HVAC solutions. Our extensive experience in the HVAC sector has developed robust expertise in engineering, quality, and supply chain management. At present, RVG provides customers across the world with a complete range of HVAC components and energy-saving, environment-protecting solutions.



## OUR NAME DEFINES OUR PURPOSE



### RELIABILITY

We are dedicated to providing high-quality, reliable, and certified HVAC parts that our customers can rely on for every project.



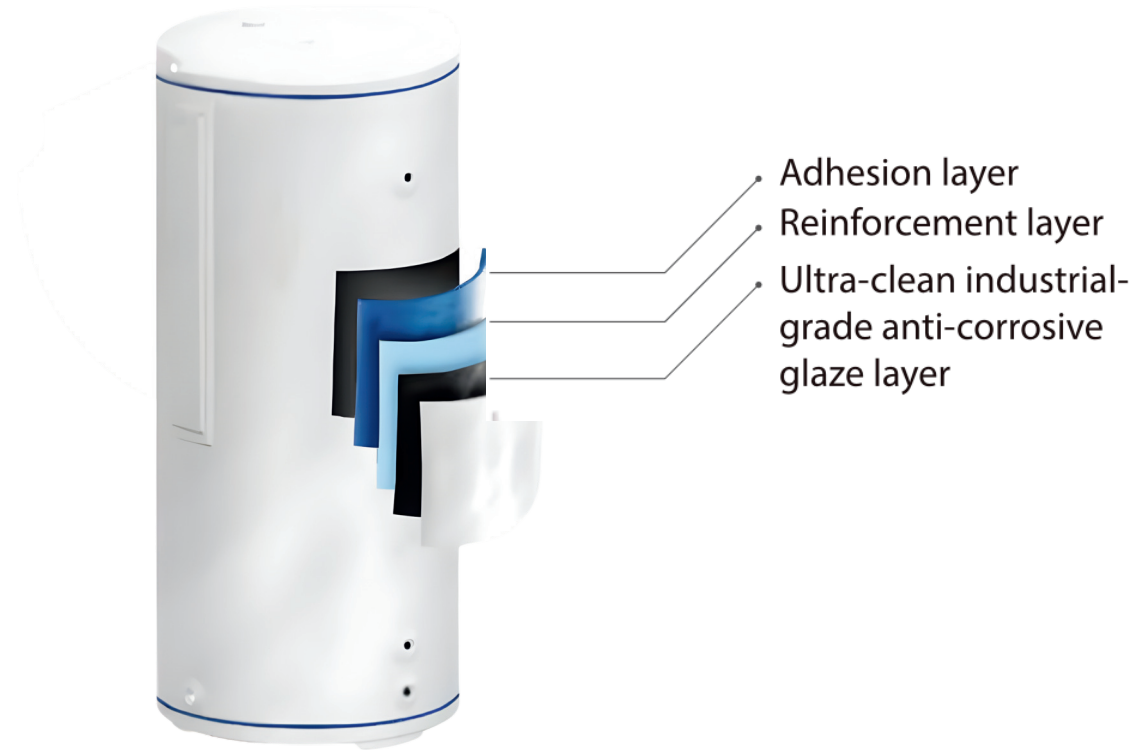
### VALUE

We deliver value not only by offering competitive prices but also through engineering excellence, efficiency, and customer success.



### GREEN

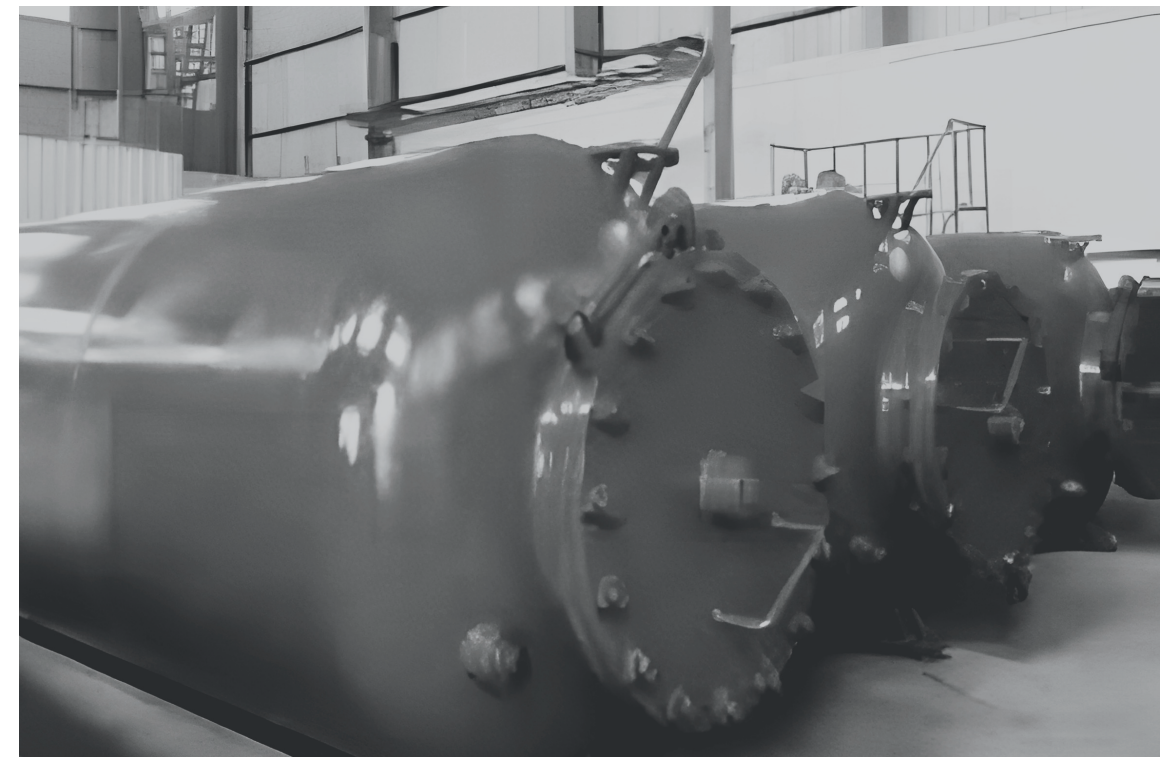
Sustainability is at the heart of RVG's future. We are committed to environmentally responsible HVAC and energy solutions.



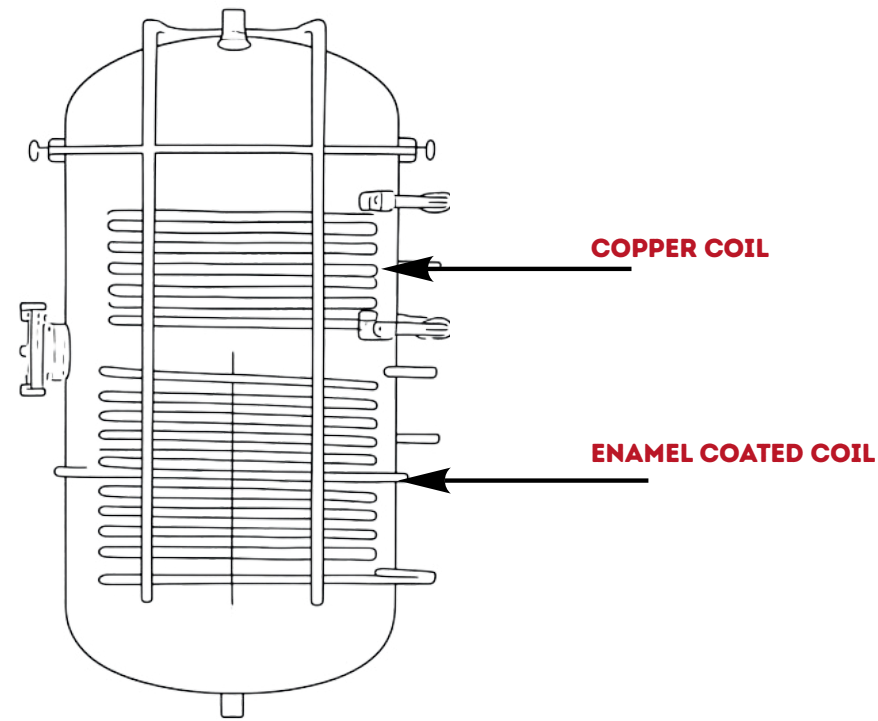
## FEATURES OF LINER

- Precision Spray Technology:** Advanced spraying techniques ensure superior adhesion, forming a seamless and durable bond between the steel substrate and enamel coating for long-term performance.
- Triple-Layer Protective Lining:** Engineered with a high-performance three-layer system comprising an adhesion layer, reinforcement layer, and an ultra-clean, industrial-grade anti-corrosive enamel glaze, delivering exceptional resistance against corrosion and wear.
- Premium Grade Steel:** Manufactured using Baosteel BTC340R specialized steel plates, ensuring enhanced structural strength, durability, and reliability under demanding conditions.
- High Pressure Fatigue Resistance:** Rigorously tested to withstand up to 300,000 impulse pressure cycles, ensuring consistent performance and long operational life.
- Advanced Welding Technology:** Fabricated using a professional submerged arc welding (SAW) process, ensuring high integrity joints, superior strength, and long-term leak-proof performance.

Parameter	RVG Industrial Enamel	Standard Enamel
<b>Adhesion Performance</b>	Utilizes a state-of-the-art automated enameling process to achieve Grade 1 adhesion, ensuring a strong and permanent bond between the enamel and steel substrate.	Typically achieves Grade 3 adhesion, resulting in comparatively weaker bonding performance.
<b>Enamel Layer Uniformity</b>	Engineered for consistent and uniform enamel thickness, delivering a smooth, refined surface finish with superior structural integrity.	Displays inconsistent enamel thickness with common surface imperfections such as orange peel texture, scaling, and conductive pinholes.
<b>Resistance to Boiling Water Loss</b>	Validated through rigorous TÜV-certified testing, demonstrating extremely low boiling water weight loss (as low as 0.55 g/m <sup>2</sup> ), ensuring exceptional durability.	Meets only basic industry testing standards, offering limited resistance to long-term thermal and water exposure.
<b>Service Life</b>	Features an industrial-grade enamel liner with advanced anti-corrosion properties, extending service life by up to 5 years beyond conventional alternatives.	Conventional enamel liners are prone to early-stage degradation, often developing defects within 2–3 years of operation.



# RLT - PRESSURISED STORAGE TANKS



1. **High-Performance Commercial Enamel Technology:** Designed with advanced industrial-grade enamel coating, ensuring superior corrosion resistance, hygiene, and long-term durability under demanding commercial operating conditions.
2. **Pressure-Bearing Construction:** Engineered for high-pressure applications, the tank structure is built to withstand continuous operating stress, ensuring safe and reliable performance in centralized hot water systems.
3. **Extra-Large Storage Capacity:** Available in a wide range of capacities from 1000 to 5000 liters, making it ideal for large-scale applications such as hotels, hospitals, residential complexes, and industrial facilities.
4. **Integral Foam Forming Insulation:** Incorporates high-density, integral polyurethane foam insulation, providing excellent thermal retention, minimizing heat loss, and improving overall energy efficiency.
5. **Customizable Heat Exchanger Coil Options:** Equipped with tailor-made heat exchanger coils to suit specific system requirements, available in multiple material options:
  - a. **Copper Coil** – Ensures high thermal conductivity and efficient heat transfer
  - b. **Enamel-Coated Coil** – Provides enhanced corrosion resistance and extended service life, especially in aggressive water conditions

# RLT-ECF STORAGE TANKS

## FEATURES & FUNCTIONS



1. **Advanced Enamel Technology:** RVG has developed a high-performance enamel liner backed by decades of expertise in glaze technology, supported by provincial high-tech recognition and national invention patents.
2. **Certified Pressure Vessel Construction:** Manufactured under national special equipment standards, featuring a robust pressure vessel structure. Precision and consistency are ensured through automated submerged arc welding (SAW).
3. **Enhanced Corrosion Protection:** Equipped with a 1.8-meter magnesium anode rod, providing effective protection against corrosion, scaling, and hot water erosion for extended service life.
4. **Customized Engineering Solutions:** Designed for flexibility, offering tailored configurations to meet diverse requirements across multi-energy system applications.
5. **High-Efficiency Thermal Insulation:** Incorporates 80mm integral polyurethane foam insulation, delivering superior heat retention, extended standby time, and improved energy efficiency.
6. **Versatile Energy Integration:** Compatible with multiple energy exchange systems, with customizable material and design options to suit specific operational requirements.

## SPECIFICATIONS

Parameters	Specifications				
Model	RLT-ECF1000	RLT-ECF1500	RLT-ECF2000	RLT-ECF3000	RLT-ECF5000
Capacity(L)	1000	1500	2000	3000	5000
Diameter (mm)	1000	1000	1000	1600	1600
Overall Height(mm)	1939	2640	3340	2319	3414
Cylinder Steel Thickness(mm)	6	6	6	8	8
Top/Bottom Dome Thickness (mm)	8	8	8	10	10
Inlet/Outlet Connection	DN50	DN50	DN50	DN50	DN50
Flow Connection	DN50	DN50	DN50	DN50	DN50
Drain Connection	DN50	DN50	DN50	DN50	DN50
Steel Material	Q345R	Q345R	Q345R	Q345R	Q345R
Design Pressure (Mpa)	1	1	1	1	1
Working Pressure (Mpa)	0.8	0.8	0.8	0.8	0.8
Design Temperature (C)	95	95	95	95	95
Working Temperature (C)	70	70	70	70	70
Dimension (mm)	φ1000*1939	φ1000*2640	φ1000*3340	φ1600*2319	φ1600*3414

# RLT-ESC ENAMEL COIL STORAGE TANKS



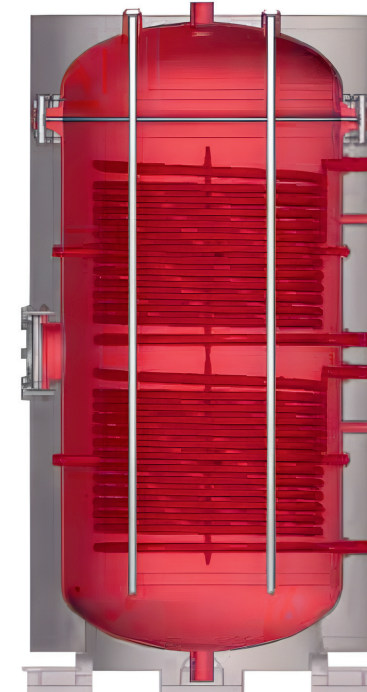
## FEATURES & FUNCTIONS

1. Advanced Enamel Liner Technology: RVG has uniquely developed a high-performance enamel liner, backed by three decades of expertise in glaze technology, supported by provincial high-tech recognition and national invention patents.
2. Certified Pressure Vessel Construction: Manufactured under national special equipment standards, featuring a robust pressure vessel structure designed for reliable performance under pressure. Precision is ensured through an automated submerged arc welding (SAW) process, delivering consistent quality.
3. Enhanced Corrosion Protection: Equipped with a 1.8-meter magnesium anode rod, providing effective protection against corrosion, scaling, and hot water erosion, ensuring extended durability and service life.
4. Custom Engineering for Multi-Energy Systems: Tailored design and custom manufacturing capabilities enable seamless integration across diverse multi-energy system applications.
5. High-Efficiency Thermal Insulation: Incorporates 80mm integral polyurethane foam insulation, ensuring prolonged heat retention, improved standby performance, and enhanced energy efficiency while supporting emission reduction.
6. Enamel Coil Heat Exchange System Integrated with an advanced enamel-coated coil, significantly improving heat transfer efficiency and pressure resistance, optimizing overall system performance and energy savings.
7. Versatile Application Compatibility: Designed for adaptability across a wide range of energy exchange methods, with customizable material and configuration options to meet specific application requirements.

## SPECIFICATIONS

Parameters	Specifications				
Model	RLT-ESC1000	RLT-ESC1500	RLT-ESC2000	RLT-ESC3000	RLT-ESC5000
Capacity(L)	1000	1500	2000	3000	5000
Diameter(mm)	1000	1000	1000	1600	1600
Overall Height(mm)	1959	2660	3360	2299	3394
Cylinder Steel Thickness(mm)	6	6	6	8	8
Top/Bottom Dome Thickness (mm)	8	8	8	10	10
Heat Exchanger Coil Area (m2)	4	4	6	6	10
Material of Heat Exchanger	10#	10#	10#	10#	10#
Inlet/Outlet Connection	DN50	DN50	DN50	DN50	DN50
Flow Connection	DN25	DN25	DN32	DN32	DN40
Drain Connection	DN50	DN50	DN50	DN50	DN50
Steel Material	Q345R	Q345R	Q345R	Q345R	Q345R
Design Pressure (Mpa)	1	1	1	1	1
Working Pressure (Mpa)	0.8	0.8	0.8	0.8	0.8
Design Temperature (C)	95	95	95	95	95
Working Temperature (C)	70	70	70	70	70
Dimension (mm)	φ1000*1959	φ1000*2660	φ1000*3360	φ1600*2299	φ1600*3394

# RLT-EDC ENAMEL DOUBLE COIL STORAGE TANKS



## FEATURES & FUNCTIONS

1. Advanced Enamel Liner Technology: RVG has uniquely developed a high-performance enamel liner, backed by three decades of expertise in glaze technology, supported by provincial high-tech recognition and national invention patents.
2. Certified Pressure Vessel Construction: Manufactured under national special equipment standards, featuring a robust pressure vessel structure designed for reliable operation under pressure. Precision is ensured through an automated submerged arc welding (SAW) process, guaranteeing uniform product quality.
3. Enhanced Corrosion Protection: Equipped with a 1.8-meter magnesium anode rod, providing effective protection against corrosion, scaling, and hot water erosion, ensuring long-lasting durability.
4. Customized Engineering Solutions: Tailored design and custom manufacturing capabilities effectively address diverse requirements across multi-energy system applications.
5. High-Efficiency Thermal Insulation: Incorporates 80mm integral polyurethane foam insulation, delivering extended heat retention, improved standby performance, and enhanced energy efficiency while supporting energy conservation.
6. Enamel Double Coil Heat Exchange System: Integrated with an advanced enamel-coated double coil, significantly enhancing heat exchange efficiency and pressure resistance, optimizing overall system performance and energy savings.

## SPECIFICATIONS

Parameters	Specifications				
Model	RLT-EDC1000	RLT-EDC1500	RLT-EDC2000	RLT-EDC3000	RLT-EDC5000
Capacity(L)	1000	1500	2000	3000	5000
Diameter(mm)	1000	1000	1000	1600	1600
Overall Height(mm)	1959	2660	3360	2299	3394
Cylinder Steel Thickness(mm)	6	6	6	8	8
Top/Bottom Dome Thickness (mm)	8	8	8	10	10
Heat Exchanger Coil Area (m2)	4	4	6	6	10
Material of Heat Exchanger	T2M	T2M	T2M	T2M	T2M
Inlet/Outlet Connection	DN50	DN50	DN50	DN50	DN50
Flow Connection	DN25	DN25	DN32	DN32	DN40
Drain Connection	DN50	DN50	DN50	DN50	DN50
Steel Material	Q345R	Q345R	Q345R	Q345R	Q345R
Design Pressure (Mpa)	1	1	1	1	1
Working Pressure (Mpa)	0.8	0.8	0.8	0.8	0.8
Design Temperature (C)	95	95	95	95	95
Working Temperature (C)	70	70	70	70	70
Dimension (mm)	φ1000*1959	φ1000*2660	φ1000*3360	φ1600*2299	φ1600*3394

# RLT-CSC COPPER COIL STORAGE TANKS



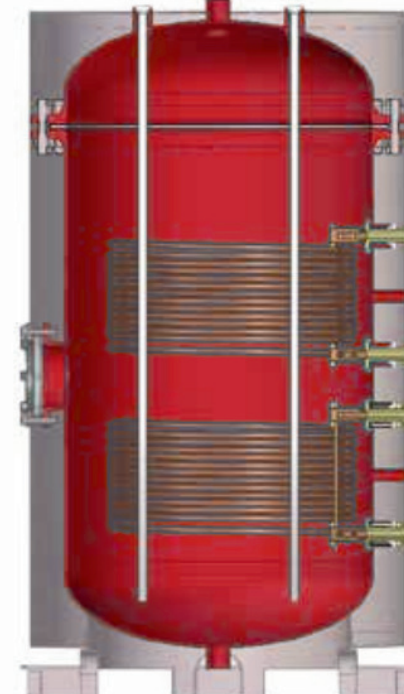
## FEATURES & FUNCTIONS

1. Advanced Enamel Liner Technology: RVG has uniquely developed a high-performance enamel liner, backed by three decades of expertise in glaze technology, supported by provincial high-tech recognition and national invention patents.
2. Certified Pressure Vessel Construction: Manufactured under national special equipment standards, featuring a robust pressure vessel structure designed for reliable performance under pressure. Precision is ensured through an automated submerged arc welding (SAW) process, guaranteeing consistent product quality.
3. Enhanced Corrosion Protection: Equipped with a 1.8-meter magnesium anode rod, providing effective protection against corrosion, scaling, and hot water erosion, ensuring long-term durability.
4. Customized Engineering Solutions: Tailored design and custom manufacturing capabilities effectively cater to diverse applications across multi-energy systems.
5. High-Efficiency Thermal Insulation: Incorporates 80mm integral polyurethane foam insulation, delivering extended heat retention, improved standby efficiency, and supporting energy conservation and emission reduction.
6. Copper Coil Heat Exchange System: Integrated with a high-performance copper coil, significantly enhancing heat exchange efficiency and pressure resistance, optimizing both system performance and energy savings.
7. Versatile Application Compatibility: Designed for adaptability across a wide range of energy exchange methods, offering flexible material selections and configurations tailored to specific application requirements.

## SPECIFICATIONS

Parameters	Specifications				
Model	RLT-CSC1000	RLT-CSC1500	RLT-CSC2000	RLT-CSC3000	RLT-CSC5000
Capacity(L)	1000	1500	2000	3000	5000
Diameter (mm)	1000	1000	1000	1600	1600
Overall Height(mm)	1959	2660	3360	2299	3394
Cylinder Steel Thickness(mm)	6	6	6	8	8
Top/Bottom Dome Thickness (mm)	8	8	8	10	10
Heat Exchanger Coil Area (m <sup>2</sup> )	4	4	6	6	10
Material of Heat Exchanger	T2M	T2M	T2M	T2M	T2M
Inlet/Outlet Connection	DN50	DN50	DN50	DN50	DN50
Flow Connection	DN25	DN25	DN32	DN32	DN40
Drain Connection	DN50	DN50	DN50	DN50	DN50
Steel Material	Q345R	Q345R	Q345R	Q345R	Q345R
Design Pressure (Mpa)	1	1	1	1	1
Working Pressure (Mpa)	0.8	0.8	0.8	0.8	0.8
Design Temperature (C)	95	95	95	95	95
Working Temperature (C)	70	70	70	70	70
Dimension (mm)	φ1000*1959	φ1000*2660	φ1000*3360	φ1600*2299	φ1600*3394

# RLT-CDC COPPER DOUBLE COIL STORAGE TANKS



## FEATURES & FUNCTIONS

1. Advanced Enamel Liner Technology: RVG has uniquely developed a high-performance enamel liner, backed by three decades of expertise in glaze technology, supported by provincial high-tech recognition and national invention patents.
2. Certified Pressure Vessel Construction: Manufactured under national special equipment standards, featuring a robust pressure vessel structure designed for reliable operation under pressure.
3. Precision Welding Technology: Consistency and structural integrity are ensured through the use of an automated submerged arc welding (SAW) process, delivering uniform quality across all products.
4. Enhanced Corrosion Protection: Equipped with a 1.8-meter magnesium anode rod, providing effective protection against corrosion, scaling, and hot water erosion for extended service life.
5. Customized Engineering Solutions: Tailored design and custom manufacturing capabilities effectively cater to diverse applications across multi-energy systems.
6. High-Efficiency Thermal Insulation: Incorporates 80mm integral polyurethane foam insulation, ensuring prolonged heat retention, improved insulation efficiency, and contributing to energy conservation and emission reduction.
7. Copper Double Coil Heat Exchange System: Integrated with a high-performance copper double coil, significantly enhancing heat exchange efficiency and pressure resistance, optimizing overall system performance and energy savings.

## SPECIFICATIONS

Parameters		Specifications				
Model		RLT-CDC1000	RLT-CDC1500	RLT-CDC2000	RLT-CDC3000	RLT-CDC5000
Capacity(L)		1000	1500	2000	3000	5000
Diameter(mm)		1000	1000	1000	1600	1600
Overall Height(mm)		1959	2660	3360	2299	3394
Cylinder Steel Thickness (mm)		6	6	6	8	8
Top/Bottom Dome Thickness (mm)		8	8	8	10	10
Top Heat Exchanger Coil	Heat Exchanger Coil Area (m <sup>2</sup> )	3	4	5	6	8
	Material of Heat Exchanger	10#/T2M	10#/T2M	10#/T2M	10#/T2M	10#/T2M
Bottom Heat Exchanger Coil	Heat Exchanger Coil Area (m <sup>2</sup> )	3	4	5	6	8
	Material of Heat Exchanger	10#/T2M	10#/T2M	10#/T2M	10#/T2M	10#/T2M
Inlet/Outlet Connection		DN50	DN50	DN50	DN50	DN50
Flow Connection		DN25	DN25	DN32	DN32	DN32
Drain Connection		DN50	DN50	DN50	DN50	DN50
Steel Material		Q345R	Q345R	Q345R	Q345R	Q345R
Design Pressure (Mpa)		1	1	1	1	1
Working Pressure (Mpa)		0.8	0.8	0.8	0.8	0.8
Design Temperature (C)		95	95	95	95	95
Working Temperature (C)		70	70	70	70	70
Dimension (mm)		φ1000*1959	φ1000*2660	φ1000*3360	φ1600*2299	φ1600*3394



**HVAC SOLUTIONS.  
DELIVERED WORLDWIDE.**

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