



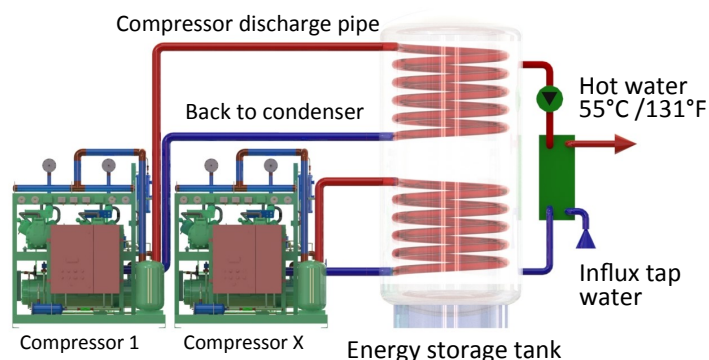
Ridel-Energy's core business, the Ridel/Rec is available in a large range of volumes from 500L to 20,000L. These units are customizable for any refrigeration units. Designed for large retail stores and light industry, the Ridel/Rec allows you to produce free hot water for domestic use and/or heating.



Application fields

- Refrigeration groups (positive or negative)
- Chilled water groups
- Air-conditioning central units
- Deep freezing tunnel

The multi-circuit technology allows you to plug in multiple refrigeration units. The submerged technology delivers maximum efficiency.



Specificity

- Efficient heat recovery
- Can be use for domestic hot water or heating
- Double heat exchange
- Excellent quality of thermal exchange
- Interior or exterior installation
- Can be installed vertically or horizontally
- Low maintenance : Easy to install replacement parts

Accessories

- Thermometer
- Manometer / valve calibrated at 3 bar
- Security pressure switch
- Draining kit with a shut-off valve
- Secondary by-pass (optional)
- Primary recovery units (optional)

Delivery Kit

- Jacket 50 mm classified M1 Euroclass
- Plinths of 150 mm
- Installation and maintenance manuals
- Delivered on wood palette or wood box

Technical data

Volume Storage tank in Liters	PRIMARY EXCHANGER					SECONDARY EXCHANGER
	Maximum rejection power (kW)	Numbre of Circuit	Nb of circuit x diameter (inch)	Desuperheating Power (kW)	Condenser Power (kW)	
750L	50	1	1"3/8	10	40	SECONDARY STAINLESS STEEL PLATE HEAT EXCHANGER CAPABLE OF PRODUCING 50°C / 130°F HOT WATER
	2 x 50	2	1"3/8	2 x 10	2 x 40	
	100	1	1"5/8	20	80	
	75	1	1"5/8	15	60	
	2 x 75	2	2 x 1"5/8	2 x 15	2 x 60	
1000L	2 x 50	2	1"3/8	2 x 10	2 x 40	
	100	1	1"5/8	20	80	
	3 x 50	3	1"3/8	3 x 10	3 x 40	
	75	1	1"5/8	2 x 15	2 x 60	
	2 x 75	2	1"5/8	2 x 15	2 x 60	
	150	1	2"1/8	30	130	
1500L	150	1	2"1/8	30	130	STAINLESS STEEL CONNEXION PIPE DN32
	2 x 75	2	2 x 1"5/8	2 x 15	2 x 60	
	3 x 75	3	1"5/8	3 x 15	3 x 60	
	4 x 75	4	1"5/8	4 x 15	4 x 60	
	3 x 50	3	1"3/8	3 x 10	3 x 40	
	4 x 50	4	1"5/8	4 x 10	4 x 40	
2000L	3 x 75	3	1"5/8	3 x 15	3 x 60	UNIT INCLUDES : • CIRCULATION PUMP • PUMP WITH SHUT-OFF VALVE (UP AND DOWN- STREAM) • HIGH EFFICIENCY SINGLE- PHASE PUMP
	150	1	2"1/8	30	130	
	2 x 100	2	1"5/8	2 x 20	2 x 80	
	4 x 50	4	1"5/8	4 x 10	4 x 40	
	200	1	2"3/8	40	180	
	2 x 150	2	2"1/8	2 x 30	2 x 130	
	4 x 75	4	1"5/8	4 x 15	4 x 60	
	300	1	2"5/8	60	250	
	2 x 200	2	2"3/8	2 x 40	2 x 180	
2500L	2 x 300	2	2"5/8	2 x 60	2 x 250	THE SECONDARY EXCHANGER IS SCALED FOR EACH REFRIGERATION UNIT AND PROJECT IN ORDER TO OPTIMIZE THE VOLUME OF PRE-HEATED WATER ACCORDING TO THE FLOW AND CONSUMPTION
	2 x 400	2	2"5/8	2 x 80	2 x 320	
	4 x 150	4	2"1/8	4 x 30	4 x 130	
	4 x 75	4	1"5/8	4 x 15	4 x 60	
	300	1	2"5/8	60	250	
	400	1	3"1/8	80	320	
3000L	2 x 300	2	2"5/8	2 x 60	2 x 250	
	2 x 400	2	2"5/8	2 x 80	2 x 320	
	4 x 150	4	2"1/8	4 x 30	4 x 130	
	4 x 75	4	1"5/8	4 x 15	4 x 60	
	300	1	2"5/8	60	250	
	400	1	3"1/8	80	320	

Photos non-contractual

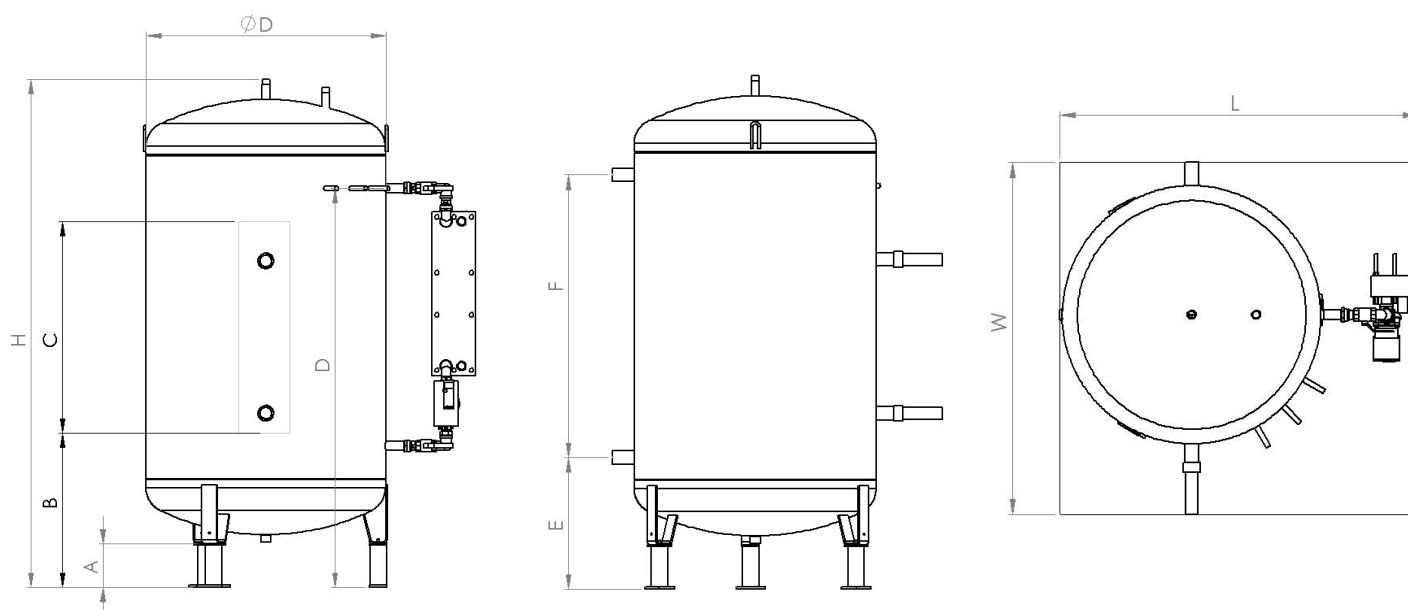
Dimensional Characteristics

Liters	Ø without isolation	H	W	L	A	B	C	D	E	F
750	790	2 000	1 200	1 390	150	500	1 100	1 500	551	1 000
1 000	790	2 350	1 200	1 390	150	500	1 400	1 800	551	1 350
1 500	1 100	2 200	1 500	1 700	200	600	1 100	1 650	644	1 000
2 000	1 100	2 400	1 500	1 700	200	600	1 250	1 800	644	1 185
2 500	1 400	2 200	1 800	2 000	200	700	1 000	1 650	721	900
3 000	1 400	2 350	1 800	2 000	200	700	1 100	1 775	721	1 025

All dimension are in millimeter.

These dimension are given as an indication. A final plan will be provided at the time of study.

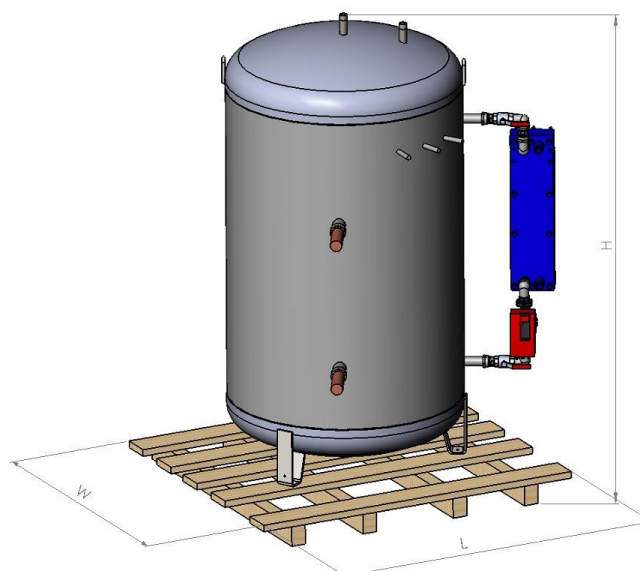
Plan



Delivery Dimensions

LITERS	L	W	H	WEIGHT
750	1 400	1 300	2 000	350 kg
1 000	1 700	1 500	2 300	380 kg
1 500	2 000	1 700	2 250	350 kg
2 000	2 000	1 700	2 350	520 kg
2 500	2 200	1 900	2 250	460 kg
3 000	2 200	1 900	2 350	700 kg

All dimension are in millimeter.



Photos non-contractual

Volume of preheated water thanks to the recovery equipment Ridel/Rec

Example	Application	Compressor	Refrigerant	Frigorific Production (kWatt)	Summer L / Day At 55°C / 131°F	Half-Season L / Day At 55°C / 131°F	Winter L / Day At 55°C / 131°F
1	Meat Workshop Positive Refrigeration -10°C / +45°C	3 Compressors Bitzer 4H15.24	R404A	Rejection power = 164.5 kW	12 000	7 000	2 800
2	Meat Wholesaler Positive Refrigeration -10°C / +45°C	3 Compressors Bitzer 4HE 154	R404A	Rejection power = 96 kW	7 000	4 100	1 600
3	Farm Workshop Positive Refrigeration -8°C / +42°C	3 Compressors Bitzer 4NES 124	R134A	Rejection power = 78 kW	5 700	3 300	1 300

Estimated cooling power with a 10K superheating, a 3K subcooling and an ambient temperature of 32°C / 90°F

Assumes refrigeration units working at :

90% of the working capacity - Working hours 16h / day (Summer)

66% of the working capacity - Working hours 12h / day (Mid-Season)

50% of the working capacity - Working hours 8h / day (Winter)

They already installed a Ridel/Rec :



Contact us

We are available to study the data of your project and analyse your needs. Do not hesitate to contact us for all extra information request. You can download our Draft Questionnaire on our website.