



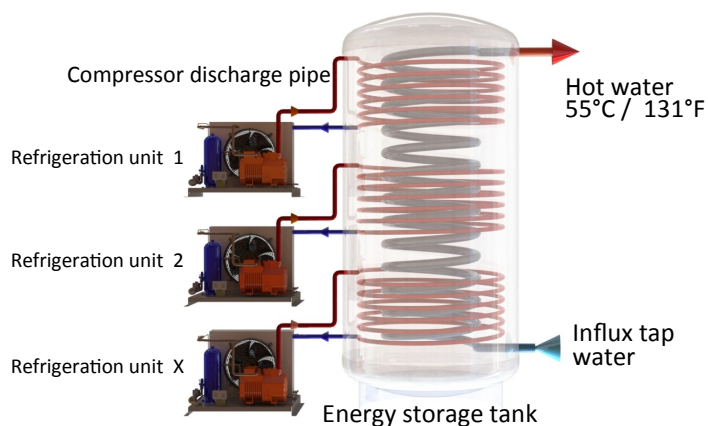
The range Ridel/Ref is made of standard plug-and-play products. Perfect for small scale installations, the Ridel/Ref preheats the water using the heat rejected by the compressors.



Application fields

- Cold rooms
- Refrigerated display cases
- Centralized air conditioning units
- Milk tanks

Its multi-circuit technology allows the connection of multiple units with a minimum of piping for maximum savings.



Specificity

- Multi-circuit recovery unit
- Tank made in thick black steel with exterior rust protection
- Primary immersion coil in copper in 1/2" - 5/8" - 7/8"
- Secondary immersion coil in ASHRAE Standard copper 14/16
- Quality thermal exchanges which respect the cold quality and improve the efficiency of your equipment

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 80 x 120 mm

Technical data (1/2)

Storage tank Volume in Litres	REFRIGERATION SYSTEM	PRIMARY EXCHANGER				SECONDARY EXCHANGER			
	Maximum rejection power (kW)	Number	Nb of circuit x diameter (inch)	Surface area (m²)	Total surface (m²)	Number	Section (mm)	Hot water Power (kW)	Heating Power (kW)
200	4,3	1	1/2	0.30	0.30	2	14/16	1,3	3,5
	5,8	1	5/8	0.40	0.40			1,7	4,5
	7,2	1	7/8	0.50	0.50			2,1	5,8
	8,7	1	1/2	0.60	0.60			2,5	7
	11,6	1	5/8	0.85	0.85			3,3	9
	14,5	1	7/8	1.10	1.10			4,2	11,5
	2 x 4,3	2	2 x 1/2	2 x 0,30	0.60			2,5	7
	2 x 5,8	2	2 x 5/8	2 x 0,40	0.80			3,3	9
	3 x 4,3	3	3 x 1/2	3 x 0,30	0.90			3,7	10,5
	2 x 8,7	2	2 x 1/2	2 x 0,60	1.20			5	14
	17,4	2	2 x 1/2	2 x 0,60	1.20			5	14
	2x4,3 + 1x8,7	3	2 x 1/2 + 1/2	2 x 0,3 + 0,6	1.20			5	14
	1x5,8 + 1x8,7	2	1 x 5/8 + 1/2	1 x 0,4 + 0,6	1.00			4,2	11,5
	4 x 4,35	4	4 x 1/2	4 x 0,3	1.20			5	14
300	14,5	1	7/8	1.10	1.10	2	14/16	4,2	11,5
	2 x 14,5	2	2 x 7/8	2 x 1,10	2.20			8,5	23
	29	2	2 x 7/8	2 x 1,10	2.20			8,5	23
	2 x 8,7	2	2 x 1/2	2 x 0,60	1.20			5	14
	17,4	2	2 x 1/2	2 x 0,60	1.20			5	14
	3 x 8,7	3	3 x 1/2	3 x 0,60	1.80			5	14
	26,1	3	3 x 1/2	3 x 0,60	1.80			5	14
	4 x 4,35	4	4 x 1/2	4 x 0,30	1.20			5	14
	6 x 4,35	6	6 x 1/2	6 x 0,30	1.80			7,5	21
	2 x 11,6	2	2 x 5/8	2 x 0,85	1.70			6,5	18,5
	23,2	2	2 x 5/8	2 x 0,85	1.70			6,5	18,5
	3 x 11,6	3	3 x 5/8	3 x 0,85	2.55			10	28
	34,8	3	3 x 5/8	3 x 0,85	2.55			10	28
	2x8,7 + 11,6	3	2 x 1/2 + 5/8	2 x 0,60 + 0,85	2.05			8,4	23,2
	29	3	2 x 1/2 + 5/8	2 x 0,60 + 0,85	2.05			8,4	23,2
	2x11,6 + 8,7	3	2 x 5/8 + 1/2	2 x 0,85 + 0,60	2.30			9,2	25,5
	31,9	3	2 x 5/8 + 1/2	2 x 0,85 + 0,60	2.30			9,2	25,5
	11,6 + 8,7	2	7/8 + 5/8	1,10 + 0,85	1.95			7,5	20,8
	26,1	2	7/8 + 5/8	1,10 + 0,85	1.95			7,5	20,8

Photos non-contractual

Technical data (2/2)

Storage tank Volume in Litres	REFRIGERATION SYSTEM	PRIMARY EXCHANGER				SECONDARY EXCHANGER			
	Maximum rejection power (kW)	Number	Nb of circuit x diameter (inch)	Surface area (m ²)	Total surface (m ²)	Number	Section (mm)	Hot water Power (kW)	Heating Power (kW)
500	3 x 11,6	3	3 x 5/8	3 x 0,85	2.55	2 x 14/16	14/16	10	27,8
	34,8	3	3 x 5/8	3 x 0,85	2.55			10	27,8
	4 x 11,6	4	4 x 5/8	3.40	3.40			13,5	37,5
	46,8	4	4 x 5/8	3.40	3.40			13,5	37,5
	5 x 11,6	5	5 x 5/8	4.25	4.25			16,8	46,4
	58	5	5 x 5/8	4.25	4.25			16,8	46,4
	2 x 14,5	2	2 x 7/8	2.20	2.20			12,6	34,8
	29	2	2 x 7/8	2.20	2.20			12,6	34,8
	3 x 14,5	3	3 x 7/8	3.30	3.30			12,6	34,8
	43,5	3	3 x 7/8	3.30	3.30			12,6	34,8
	2x14,5 + 11,6	3	2 x 7/8 + 5/8	2 x 1,10 + 0,85	3.05			11,8	32,5
	40,6	3	2 x 7/8 + 5/8	2 x 1,10 + 0,85	3.05			11,8	32,5
	3x8,7 + 11,6	4	3 x 1/2 + 5/8	3 x 0,6 + 0,85	2.65			11	30,1
	37,7	4	3 x 1/2 + 5/8	3 x 0,6 + 0,85	2.65			11	30,1
	3x11,6 + 14,5	3	3 x 5/8 + 7/8	3.65	6.65			14,3	39,4
	49,3	3	3 x 5/8 + 7/8	3.65	6.65			14,3	39,4
	52,2	4	2 x (5/8 + 7/8)	3.90	3.90			15	42



Icool Unit– PTXISS 21D HP / Rejection power = 20 kW

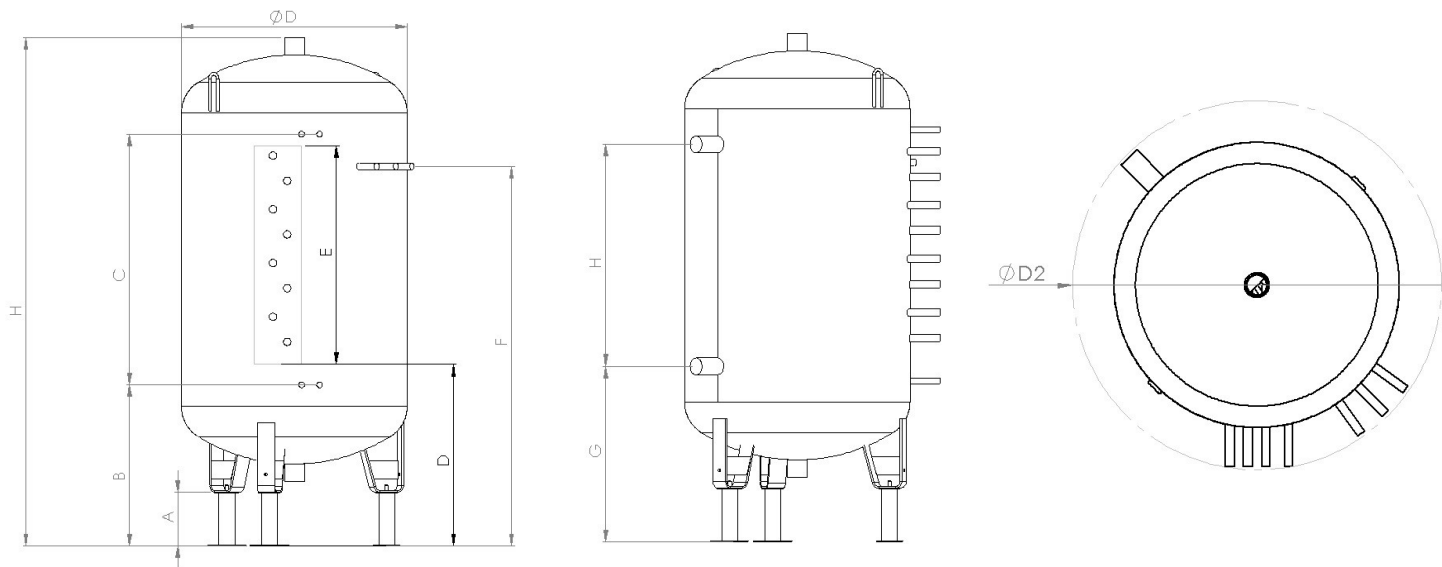
Heat Recovery Ridel/Ref 300 Litres

Dimensional Characteristics

Liters	Ø without isolation	H	ØDE	A	B	C	D	E	F
200	549	1 600	749	150	440	800	490	700	990
300	549	1 800	749	150	440	990	490	890	990
500	630	2 100	830	150	450	1 300	500	800	1 710

All dimensions are in millimeter.
A final plan will be provided at the time of study.

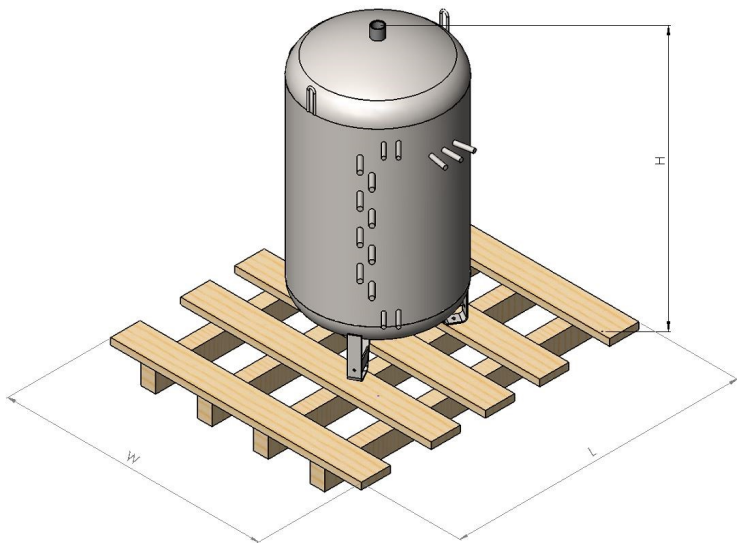
Plan



Delivery Dimensions

LITERS	L	W	H	Weight
200	1 200	800	1 650	120 kg
300	1 200	800	1 750	140 kg
500	1 200	800	2100	250 kg

All dimension are in millimeter.



Photos non-contractual

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

Example	Application	Compressor	Refrigerant	Frigorific Production (Watt)	Summer L / Day At 55°C /131°F	Summer L / Day At 55°C /131°F	Winter L / Day At 55°C /131°F
1	Cold room (Meat) 13m³ -1°C / +2°C Delta T 6K	GROUPE CAJN4511YHR 240/1/50 F	R134a	Rejection power = 2 356 W	1 728	1 045	533
2	Laboratory 25m³ +10°C / +12°C Delta T 10K	GROUPE Y AJN4519ZHR 400/3/50 T	R404A	Rejection power = 5 413 W	3 969	2 401	1 255
3	Frozen food 13m³ -21°C / -18°C Delta T 6K	GROUPE TFH2511ZBR 400/3/50 T	R404A	Rejection power = 4 186 W	3 069	1 857	947

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

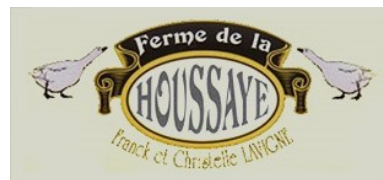
Hypothesis :

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

Half-Season = 66% of the working capacity - Working hours 12h / day

Hiver = 50% of the working capacity - Working hours 8h / day

They already installed a Ridel/Ref :



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 questionnaire on our website.