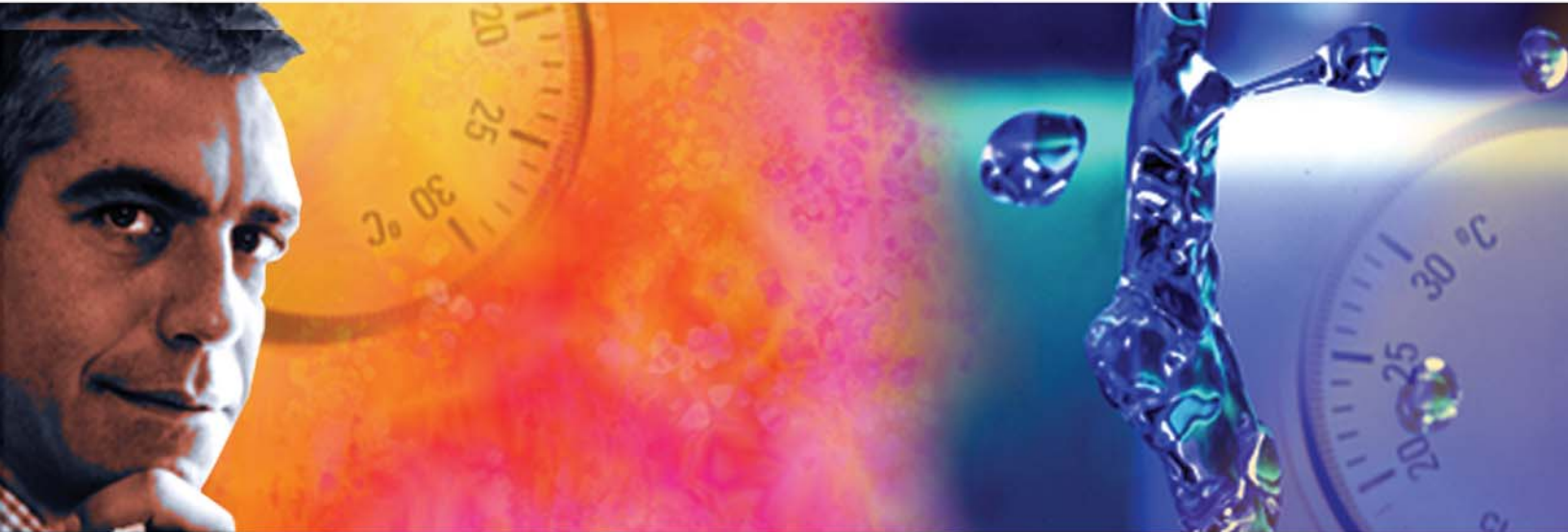




LIQUID COOLING PACKAGE



PRODUCT FEATURES:

- No blockage of 19" area front and back
- Even air distribution
- Scalable
- Extendable
- Retrofittable
- Optional SNMP Remote monitoring and administration
- Temperature neutral climatization
- Selectively cool one or two racks



LIQUID COOLING PACKAGE - THE FUTURE IS HERE!

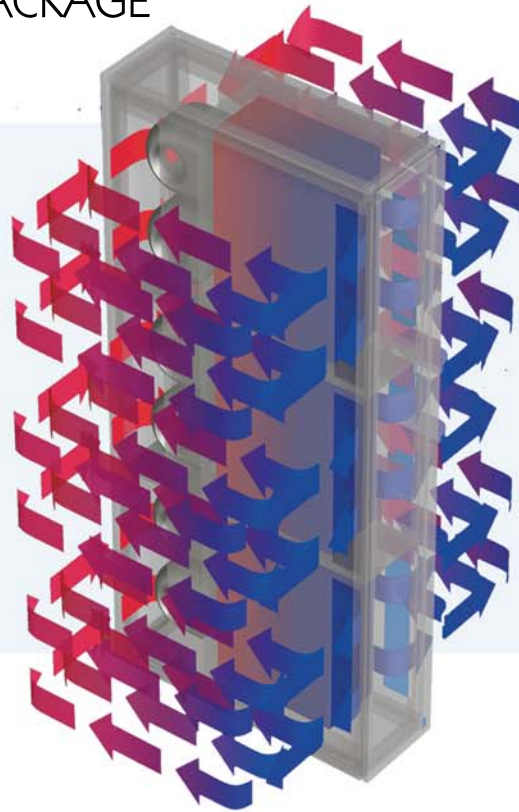
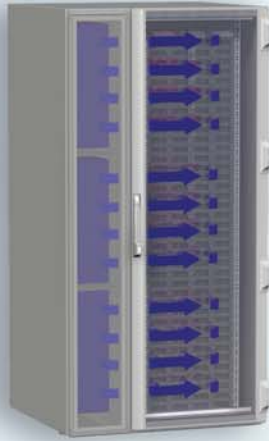
Cooling and heat removal, in the data center and at the enclosure level, have quickly become the most critical factors in data center design. An unmanaged heat removal solution may cause equipment damage or even failure, resulting in costly downtime. With the exponential increase in deployed servers, heat loads have almost quadrupled in the last seven years, leaving the facilities of today unable to support such heat loads.

HOW WILL YOU HANDLE THE HEAT...

Developed to remove high levels of waste heat from server enclosures, the LCP is an air/water heat exchanger providing uniform, effective and affordable cooling for servers and similar IT equipment. The special horizontal airflow of the LCP represents an adaptation of this widespread cooling principle, providing cooled air uniformly throughout the entire height of the enclosure.



LIQUID COOLING PACKAGE



RITTAL LIQUID COOLING PACKAGE (RLCP)

	Dimensions in mm (inches)	Weight	Rated operating voltage V, Hz	Air throughput of fans	Useful cooling output at 59° F water inlet, 4 GPM, 68°F cold air	Part No. SK
RLCP with Single Module	2000 × 300 × 1000 (79 × 12 × 40)	max. 160 kg (352 lbs)	230 V, 50Hz	max. 2400 m³/h (1412 cfm)	4000W, 13565 BTU/hr	3301.230
RLCP with Single Module	2000 × 300 × 1000 (79 × 12 × 40)	max. 160 kg (352 lbs)	115 V, 60 Hz	max. 2100 m³/h (1236 cfm)	3500W, 11950 BTU/hr	3301.210
Single Module	550 × 250 × 950 (22 × 10 × 38)	approx. 25 kg (55 lbs)	230 V, 50 Hz	800 m³/h (471 cfm)	4000W, 13565 BTU/hr	3301.250
Single Module	550 × 250 × 950 (22 × 10 × 38)	approx. 25 kg (55 lbs)	115 V, 60 Hz	700 m³/h (412 cfm)	3500W, 11950 BTU/hr	3301.240

SPECIFICATIONS

Rated current max.	1.8 A
Pre-fuse T	5.0 A
Cooling medium	Water (YGB-R455P Ref RLCP manual for additional information)
Water inlet temperature	>+ 1°C to + 30°C (>34°F to 86°F)
Permissible operating pressure p. max.	2 to 8 bar (29-116 psi)
Temperature range	>+ 1°C to +40°C (34°F to 104°F)
Protection category to EN 60 529/10.91	IP 54
Duty Cycle	100%
Type of Connection	Current: IEC connector: Water: 3/4" quick-release fastener
Weight	max. 352 lbs (160 kg)
Color	RAL 7035
Noise pressure level	Free field on reflective floor, distance 39" (1m), 58dB(A)
Temperature control	Electronically controlled water valve and 4-spd fan control
Sensors	flow, leakage, inlet/return, intake/exhaust temperature

ACCESSORIES FOR SERVER CABINETS SUITED TO RLCP

Description	Dimensions in mm (inches)	Packs	U	Part No.
Side panel, screw fastened (H × D)	2000 × 1000 (79 × 40)	2		8100.235
	2000 × 600 (79 × 24)	1		7824.620
Glazed Door (H × W)	2000 × 800 (79 × 32)	1		7824.820
	2000 × 600 (79 × 24)	1		7824.205
Sheet steel door, solid (H × W)	2000 × 800 (79 × 32)	1		7824.207
	2000 × 600 (79 × 24)	1		7824.205
Blank Panels 19"	482 × 44 (19 × 1.75)	2	1	7151.035
Blank Panels 19"	482 × 88 (19 × 3.5)	2	2	7152.035
Blank Panels 19"	482 × 132.5 (19 × 5.25)	2	3	7153.035
Blank Panels 19"	482 × 266 (19 × 10.5)	2	6	7156.035

* For most efficient utilization of the heat exchanger, the enclosure being cooled should be sealed against the penetration of ambient air