

INNOVATORS IN REFRIGERATION AND COOLING TECHNOLOGIES

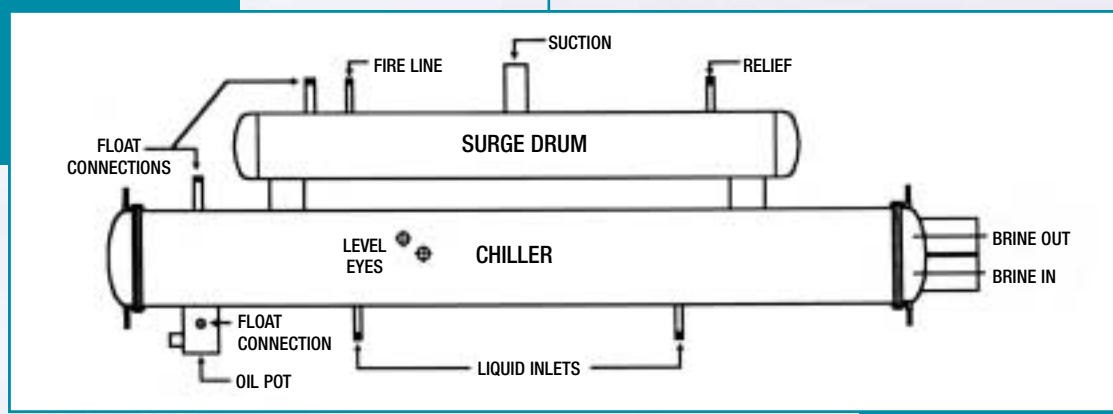


Flooded Rink Chillers



**High Performance,
Cost Effective Operation**





Why Should You Consider CIMCO-LEWIS Rink Chillers?

With over 4,500 artificial ice surfaces to our credit, CIMCO-LEWIS has the experience to know what is required in an industrial quality rink chiller.

For starters, the chiller must be designed to suit your refrigeration system. Variables such as tube velocity, pressure drop, fouling factor, flow rate and pull-down requirements must be carefully balanced to minimize the cost of compressor operation. That is why we custom design every chiller we build, giving you the lowest overall cost of operation.

Next, we manufacture our chillers to the strictest quality standards and pressure vessel codes applicable. Our ASME Code Section IX certified welders use state-of-the-art equipment to ensure that our chillers remain trouble-free

over the long haul. Once the chiller is fully assembled, it is hydrostatically pressure tested to guarantee the integrity of the heat exchanger.

Finally, we encase our chillers in a rigid fiberglass jacket and factory insulate using foam-in-place 2" thick urethane insulation. This hermetically sealed jacket prevents moisture penetration into the insulation - the leading cause of corrosion and chiller failure.

More than 85 years of refrigeration experience has taught us that there is no substitute for quality in the design, manufacture and installation of refrigeration equipment. So contact your local CIMCO-LEWIS representative and put our refrigeration expertise to work for you!

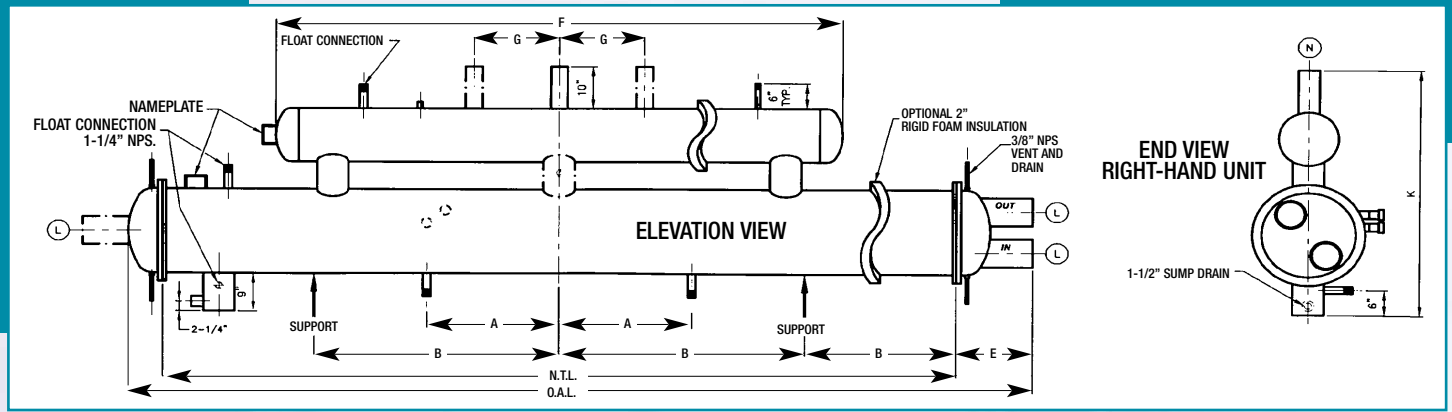
Standard Features:

- sizes from 6" to 60" diameter to fit every arena application
- 150 PSI tubeside /250 PSI shellside is standard
- built to ASME Section VIII Div. 1, "U" stamped, to meet all North American codes; National Board available
- SA-214 16 BWG prime surface steel tubes; pressure grade carbon steel throughout
- integral surge drum, oil pot and level eyes; oil skimmer connections for halocarbon refrigerant duty
- available for all refrigerants, brines and glycols

Optional Features:

- factory insulation with foamed-in-place urethane and rugged fiberglass jacket
- choice of tube diameters and gauges
- stainless steel construction
- integral cooling coil in return head for compressor jacket cooling circuit
- seal-welded tubesheets
- non-standard pressure ratings
- "quick-ship" deliveries for emergency breakdown situations

CIMCO-LEWIS Ammonia Rink Chiller Specifications



Dimensions Chart

Note: These dimensions are not to be used for construction. Refer to factory approval drawings for actual dimensions.

Chiller Dia. x N.T.L.	Approx. Wt.	Approx. O.A.L.	Typical Suct. Dia.	"L" 1 Pass	"L" 2 Pass	"A"	"B"	"E"	Typical "F"	Typical "G"	O.A. Ht. Typical "K"	Typ. Drum Dia. x No. Risers
16" x 10'	2300	140"	3"	8"	6"	20"	36"	15"	84"	-	54"	12" x 2
16" x 12'	2650	164"	3"	8"	6"	24"	46"	15"	96"	-	54"	12" x 2
16" x 14'	3050	188"	3"	8"	6"	28"	52"	15"	108"	-	57"	16" x 2
16" x 16'	3400	212"	3"	8"	6"	32"	58"	15"	132"	-	57"	16" x 2
16" x 18'	3750	236"	3"	8"	6"	36"	64"	15"	168"	72"	54"	12" x 3
16" x 20'	4100	260"	3"	8"	6"	40"	76"	15"	168"	80"	54"	12" x 3
20" x 10'	3100	142"	3"	10"	8"	20"	36"	16"	96"	-	61"	16" x 2
20" x 12'	3650	166"	3"	10"	8"	24"	46"	16"	108"	-	65"	20" x 2
20" x 14'	4100	190"	3"	10"	8"	28"	58"	16"	156"	60"	58"	12" x 3
20" x 16'	4600	214"	3"	10"	8"	32"	64"	16"	156"	64"	59"	14" x 3
20" x 18'	5100	238"	3"	10"	8"	36"	64"	16"	192"	72"	59"	14" x 3
20" x 20'	5550	262"	3"	10"	8"	40"	76"	16"	196"	80"	61"	16" x 3
24" x 10'	4750	144"	4"	12"	10"	20"	36"	17"	108"	-	73"	24" x 2
24" x 12'	5450	168"	4"	12"	10"	24"	46"	17"	120"	-	73"	24" x 2
24" x 14'	6200	192"	4"	12"	10"	28"	58"	17"	120"	-	73"	24" x 2
24" x 16'	6850	216"	4"	12"	10"	32"	64"	17"	144"	-	73"	24" x 2
24" x 18'	7550	240"	4"	12"	10"	36"	64"	17"	192"	72"	69"	20" x 3
24" x 20'	8250	264"	4"	12"	10"	40"	76"	17"	192"	80"	69"	20" x 3

Quick Selector Chart

Ammonia Refrigerant @ 10 dF Evaporating Temperature
Based on: 22% calcium chloride brine entering at 20 dF, 0.0005 FF both sides, maximum 20 PSI pressure drop.

TR	GPM	Dia. x Length	Passes	Surge Drum	Risers	Tube PD, PSI	Brine Out dF
40	500	12" x 12'	2	10" x 8'	2	12.2	17.7
50	500	12" x 16'	2	12" x 10'	2	16.3	17.2
60	600	16" x 12'	2	12" x 8'	2	6.2	17.2
70	800	16" x 12'	2	14" x 9'	2	10.3	17.5
80	800	16" x 14'	2	16" x 9'	2	12.0	17.2
90	800	16" x 16'	2	16" x 11'	2	13.8	16.8
100	1100	20" x 12'	2	20" x 9'	2	10.3	17.4
110	1200	20" x 14'	2	12" x 13'	3	14.0	17.4
120	1200	20" x 14'	2	12" x 13'	3	14.0	17.2
130	1300	20" x 14'	2	14" x 13'	3	12.8	17.2
140	1200	20" x 16'	2	14" x 13'	3	12.8	16.7
150	1200	20" x 18'	2	14" x 16'	3	14.4	16.5
160	1500	24" x 12'	2	24" x 10'	2	6.7	17.0
170	1800	24" x 12'	2	24" x 10'	2	9.2	17.3
180	1800	24" x 14'	2	24" x 10'	2	9.7	17.0
190	1900	24" x 14'	2	24" x 10'	2	11.8	17.2
200	2000	24" x 14'	2	24" x 10'	2	12.9	17.0
210	2000	24" x 14'	2	24" x 10'	2	12.9	17.0
220	2000	24" x 16'	2	24" x 12'	2	14.8	16.9
230	2100	24" x 16'	2	24" x 12'	2	16.1	16.9
240	2100	24" x 16'	2	20" x 14'	3	16.1	16.8

NOTE: Three riser selections have two drum suction connections. Larger two riser surge drums are also available.

CIMCO-LEWIS

The Cold Specialists

Design & Engineering

CIMCO-LEWIS has built its reputation by having the best technical sales, manufacturing and refrigeration engineers. From coast to coast, our team of application specialists can draw on 85 years of experience to design the refrigeration process

cooling plants that will meet your specific needs. From initial concept, through site supervision, to project commissioning, CIMCO-LEWIS engineers are available to ensure the success of your project.

Manufacturing

We have established our reputation by using the latest manufacturing techniques to produce the world's leading refrigeration equipment. In fact, many of the products that become part of our refrigeration systems are manufactured by CIMCO-LEWIS, such as: shell and

tube heat exchangers; pressure vessels; dehumidifiers; water tanks and pumping sets; microprocessor and relay logic control systems and complete packaged refrigeration and process cooling systems.

Components

At CIMCO-LEWIS we ensure that every component used in our systems is chosen based on the knowledge gained from past experience. Each product is carefully evaluated, tested and proven before it becomes part of a CIMCO-LEWIS system. From the

compressor, through to the simplest control, each unit is carefully assessed and matched with components of proven dependable performance to keep our clients and their products cool.

Installation & Service

A key aspect of our success has been our experience in preparation, installation, start-up and balancing of our systems. CIMCO-LEWIS offers preventive maintenance and service inspection programs with

reliable, professional follow-up service. When it comes to keeping things cold or on ice, only CIMCO-LEWIS does it better than Mother Nature.



CIMCO REFRIGERATION

65 Villiers Street, Toronto, Ontario M5A 3S1
Tel: (416) 465-7581 Fax: (416) 465-8815

St. John's • Dartmouth • Moncton • Alma • Quebec City • Montreal • Ottawa • Toronto
London • Winnipeg • Regina • Saskatoon • Calgary • Edmonton • Vancouver • Victoria
Malden • Glastonbury • Salt Lake City • Houston • Dallas/Ft. Worth • Phoenix • Syracuse

Visit our website at www.cimcorefrigeration.com



*Cimco-
Expect the
best*

