

LIMITROL

FLOATING HEAD PRESSURE CONTROL SYSTEM PATENT PENDING

The Next Generation of Responsive Technology



The Right Choice For The Refrigeration Professional

KeepRite[®]
REFRIGERATION

LIMITROL+

FLOATING HEAD PRESSURE CONTROL SYSTEM

WHAT IS LIMITROL+?

Limitrol+ combines various technologies into a responsive system that floats head pressure, saving energy and reduces environmental impact.

Unlike competitive systems, Limitrol+ combines variable speed EC motor technology, condenser portioning and various systems modifications to provide the ultimate in performance and control.

As a result, Limitrol+ functions in much colder ambients where previous systems have proven ineffective.

WHAT DOES IT DO?

Conventional head pressure control systems maintain a constant head pressure regardless of ambient temperatures. Limitrol+ intelligently responds to ambient conditions to float head pressure without sacrificing system performance at lower temperatures. Limitrol+ offers;

- Reduces compressor energy consumption and run time
- EC motor technology further saves energy and reduces electrical requirements
- Lowered environmental impact through reduced refrigerant use
- Stable system performance in lower ambients

WHAT ARE ITS APPLICATIONS?

- Condensing units over 5 HP
- Ideally suited and most effective in applications with fluctuating ambients
- Perfect for installations where reduced refrigerant charges are desired or required.

ESTIMATED ENERGY SAVINGS

PERCENTAGE AND DOLLARS SAVINGS COMPARED TO STANDARD UNIT UTILIZING FLOODING VALVE

MODEL	PHILADELPHIA, PA		NEW YORK, NY		BOSTON, MA		CHARLOTTE, NC		LOS ANGELES, CA		ST LOUIS, MO		MINNEAPOLIS, MN		TORONTO, ONT	
	%	\$	%	\$	%	\$	%	\$	%	\$	%	\$	%	\$	%	\$
5 HP COOLER	21	\$450	23	\$824	25	\$811	18	\$356	16	\$626	20	\$468	25	\$598	27	\$478
7.5 HP COOLER	20	\$744	22	\$1,354	23	\$1,280	18	\$632	17	\$1,124	19	\$790	24	\$952	25	\$750
10 HP COOLER	17	\$881	18	\$1,598	20	\$1,571	15	\$732	18	\$1,834	16	\$920	20	\$1,147	21	\$917
15 HP COOLER	19	\$1,361	20	\$2,475	21	\$2,378	16	\$1,175	19	\$2,677	17	\$1,437	22	\$1,753	22	\$1,375
6 HP FREEZER	24	\$665	25	\$1,216	26	\$1,161	21	\$564	23	\$1,161	22	\$696	26	\$839	27	\$668
7.5 HP FREEZER	20	\$729	21	\$1,337	23	\$1,295	17	\$600	18	\$1,193	19	\$759	23	\$942	24	\$753
13 HP FREEZER	18	\$1,047	19	\$1,901	21	\$1,838	16	\$863	15	\$1,583	17	\$1,103	21	\$1,348	22	\$1,071
15 HP FREEZER	18	\$1,179	19	\$2,134	20	\$2,037	16	\$984	14	\$1,668	17	\$1,254	20	\$1,507	21	\$1,190

* The above is a BIN Hour Analysis. Weather data was used from ASHRAE Weather Data Viewer and electrical rates for each city are based on June 2013 data from EIA (U.S. Energy Information Administration).

** Above numbers do not include refrigerant savings, and further cost savings can be expected.

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THE HISTORY OF LIMITROL

The original Limitrol Flow Control System was developed by KeepRite Refrigeration in 1959 and used in 1000's of Refrigeration systems throughout North America and around the globe. Limitrol+ further enhances head pressure control by incorporating the latest in technology and innovation.

We design and manufacture a complete line of commercial refrigeration products. Find out more at www.k-rp.com or call us at (519) 751-0444 or 1-800-463-9517.

