

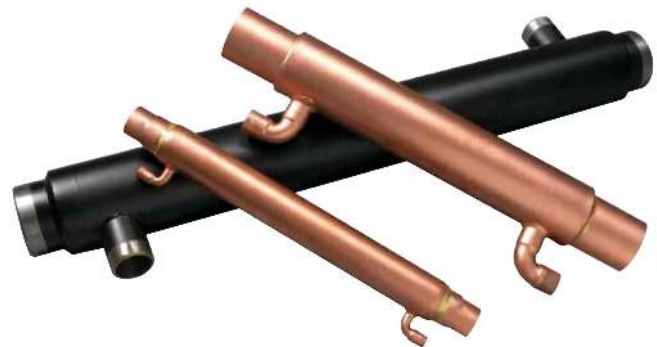
SUCTION LINE HEAT EXCHANGERS

Increased Performance and System Protection for Minimal Cost

Suction Line Heat Exchangers (**SLHE**) improve refrigeration system performance and are a proven refrigeration system component for greater efficiency. These devices protect the compressor and are ideal for medium and low temperature refrigeration systems. However, they are **not** recommended for extended range compressor applications between -20°F and 0°F suction with R-448A, R-449A, R-407A and R-407F refrigerants since they could produce high discharge temperatures.

SLHE also eliminate undesirable moisture collection as well as improve expansion valve operation and system capacity **by as much as 10%**.

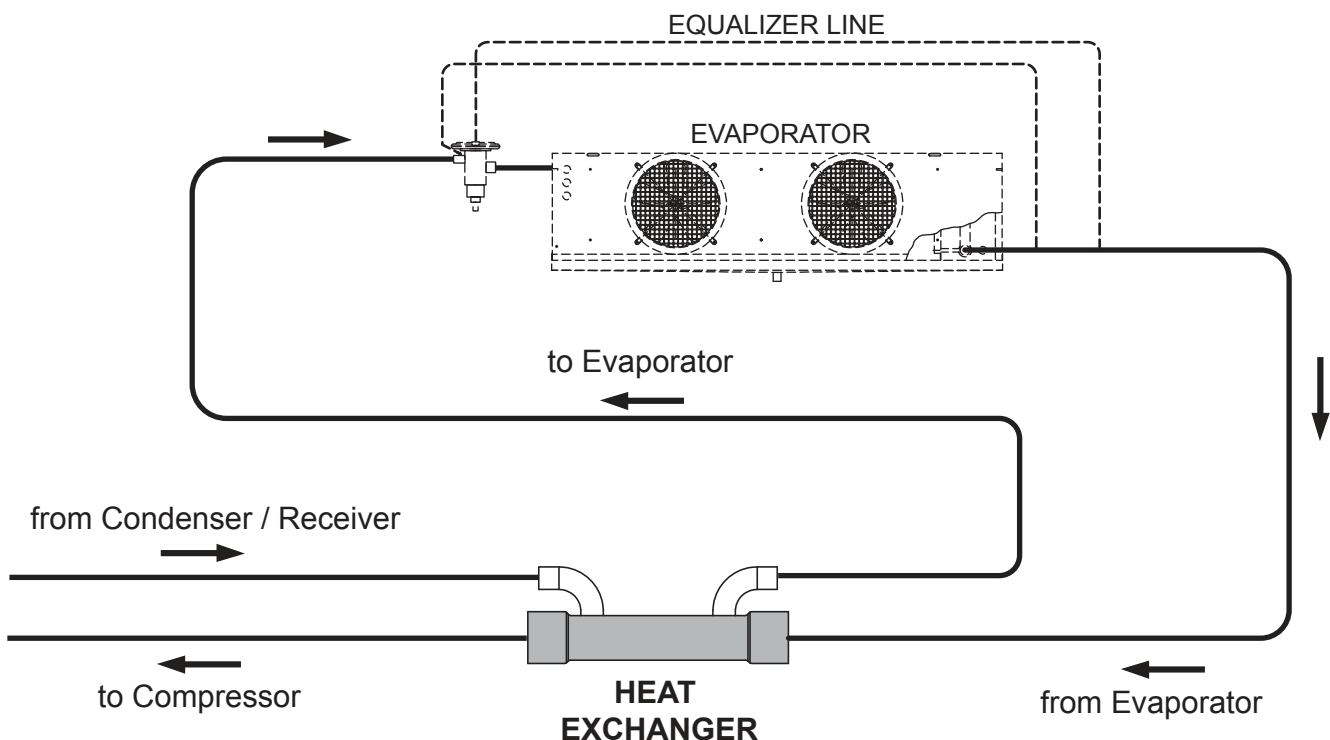
By sub-cooling the hot refrigerant liquid, system capacity is increased and overall refrigeration system reliability improved. As a general rule, 1°F refrigerant sub-cooling results in 0.5% capacity improvement. A nominal **SLHE** selection could provide 4% to 10% system capacity improvement along with improved system pull-down time.



SLHE Selection:

Nominal **SLHE** selections should be based on system capacity at a given suction temperature. See reverse for a complete selection table.

IMPORTANT: Selected suction and liquid line sizes may differ from evaporator and suction line sizes on your system.



SELECTION TABLE FOR R-404A, R-507A, R-448A, R-449A AND R-407A

PART No.	MANUFACTURER MODEL No	CONSTRUCTION	MAXIMUM CAPACITY* (BTU) -20°F	MAXIMUM CAPACITY* (BTU) 20°F	SUCTION LINE (ID) (INCHES)	LIQUID LINE (ID) (INCHES)	LENGTH (INCHES)	SHIPPING WEIGHT (LBS)
RRV-0835	SLHE 1/2	Brazed Copper	8,400	13,200	1/2	1/4	11 1/2	1
RRV-0836	SLHE 1	Brazed Copper	12,000	21,600	5/8	3/8	13 3/4	2
RRV-0837	SLHE 1 1/2	Brazed Copper	25,200	42,000	7/8	3/8	14 1/2	3
RRV-0838	SLHE 2	Brazed Copper	40,800	68,400	1 1/8	3/8	15	3
RRV-0839	SLHE 3	Brazed Copper	40,800	68,400	1 1/8	1/2	15	3
RRV-0840	SLHE 5	Brazed Copper	48,000	84,400	1 3/8	5/8	14 1/4	4
RRV-0841	SLHE 7 1/2	Brazed Copper	48,000	84,400	1 5/8	5/8	17	4
RRV-0842	SLHE 10	Brazed Copper	76,800	129,600	2 1/8	7/8	18	8
RRV-0843	SLHE 15	Brazed Copper	76,800	129,600	2 1/8	7/8	25	12
RRV-0844	SLHE 20	Brazed Copper	76,800	129,600	2 1/8	1 1/8	27	13
RRV-0845	SLHE 25	Welded Steel	156,000	262,800	2 5/8	1 1/8	28 7/8	15
RRV-0846	SLHE 30	Welded Steel	156,000	262,800	2 5/8	1 3/8	28 7/8	16
RRV-0848	SLHE 40	Welded Steel	214,800	362,400	3 1/8	1 3/8	28 7/8	20
RRV-0849	SLHE 50	Welded Steel	214,800	362,400	3 1/8	1 5/8	28 7/8	20

* Capacity data from Doucette Industries Inc.