


\$615.00

Item # SLHE 20 HP, Suction Line Heat Exchangers

Specifications

HP	20
Gas Conn	2 1/8 "
Liquid Conn	1 1/8 "
Length	30 7/8 "
DWP	700 psig
Weight	15 lbs
Other Certifications	All models are U.L. Listed, File SA 5925 and ISO 9001:2015
Installation Recommendation	Mount in vertical suction line close to the evaporator, piped in counterflow with Thermostatic Expansion Valve bulb attached to gas outlet piping of the suction line heat exchanger.

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 heat exchangers protect the compressor and are highly recommended by equipment manufacturers for medium and low temperature, space sensitive applications.

Improves Evaporator Capacity Up To 10%!

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

Protects Compressor From Premature Failure

Refrigerant droplets can cause serious compressor damage. Doucette Suction Line Heat Exchangers protect the compressor by "vaporizing" droplets as they pass through the heat exchanger, greatly reducing the chance for premature compressor failure.

Improves Expansion Valve Operation

Flocculation in operating conditions such as low-ambient and low-load can cause a refrigeration system to experience expansion valve "hunting" and liquid line bubbles. Doucette's Suction Line Heat Exchangers help eliminate this problem and provide improved expansion valve operation and proper capillary performance.



20 Leigh Drive,
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Commercial/Industrial: johnL@doucetteindustries.com
Residential/Light Commercial: johnL@doucetteindustries.com

Reduces Suction Line Sweating and Improves Oil Return

Doucette Suction Line Heat Exchangers reduce line sweating and frost formation by raising the temperature in the suction piping. This diminishes water and corrosion damage to other equipment. Oil return is improved from the increase in suction gas temperature.

Features

Refrigeration Engineers Rely on the Leader in Heat Transfer Technology

Nobody builds refrigeration heat exchangers like Doucette with high-performance, rigid design, low-pressure drops and reliable application for -40°F to +40°F refrigeration systems. Refrigeration engineers rely on Doucette for suction-to-liquid heat exchangers - both standard and custom designs.

Improved Heat Transfer

Fluted design controls pressure drop and gas velocity for quiet operation.

Rigid Design for Reliability

Less susceptible to fatigue and premature failure

Exclusive Design

Rigid Type L fluted tube rather than flexible hose

Quality Construction

High-temperature brass brazing throughout

Performance Checked

Leak tested for trouble-free operation

Choice of Models

Available in all-copper or steel construction

Standard and Custom Models

The SLHE Series is available in standard models for use with every brand of refrigeration system. For custom applications and OEM, we offer our HE Series for exacting performance, special fittings and more.

Special Applications

The Doucette SLHE and HE Series are the most cost effective heat exchangers available for a wide variety of refrigeration and special applications. They can be designed for DX Subcooler Applications, Marine/Military and miniature shell/tube heat exchangers.

Engineering Support

Performance information and application assistance is just a phone call away. Doucette provides engineering and application support for standard and custom models from 1/2 to 150 HP.

Fast Delivery

Doucette Delivers the SLHE Series from stock. And if you need a special HE Series Design, we can build it FAST.



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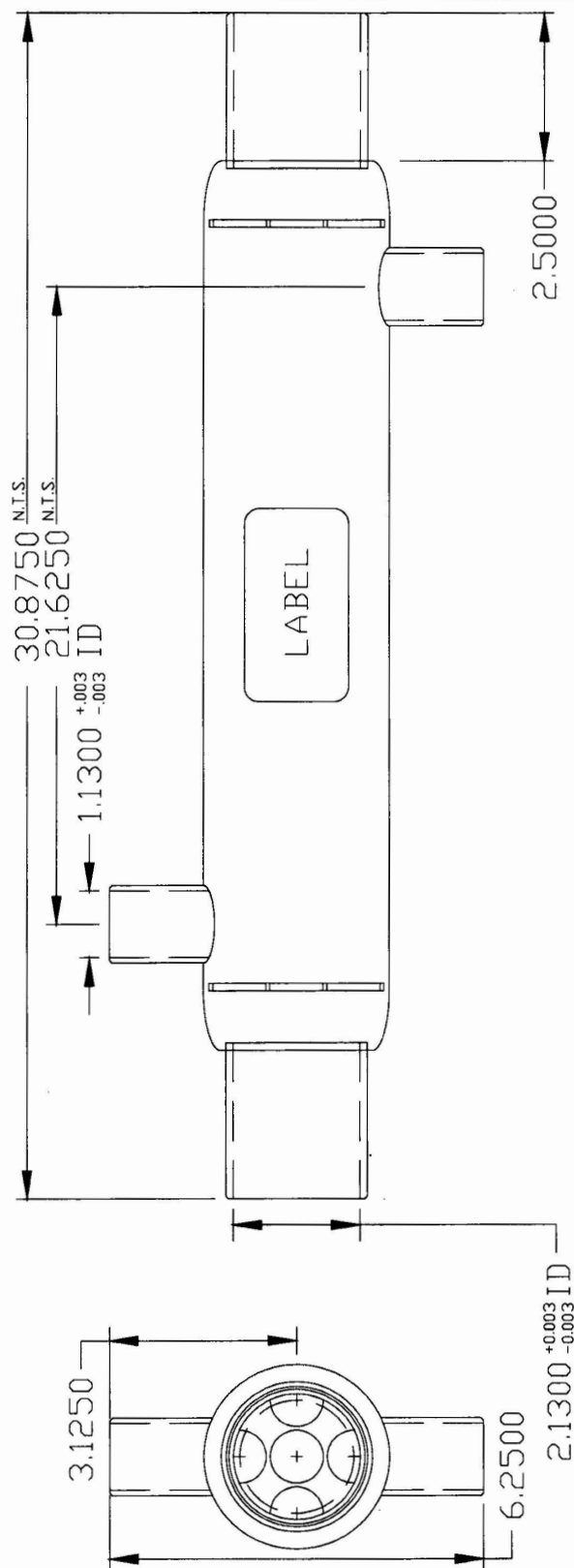


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doucette
industries, inc

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DESIGN PRESSURE: 700PSIG

TOLERANCES	DOUCETTE INDUSTRIES, INC.
DECIMAL	.125
FRACTIONAL	
ANGULAR	
GAUGE	
SCALE	.375
DRAWN BY: RLK	APP. BY: RJR
TITLE	HES 5078-23.875 (2.125 X 1.125)
DATE	2/22/12
DRAWING NUMBER	C35097
ALL DIMENSIONS INCHES, UNLESS SPECIFIED	



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