

# LECOL LC series sample cooler

## Features

- ☆ Dual helical coil design, providing maximum heat exchange area
- ☆ Compact design minimizes cooling water needs
- ☆ Removable outer shell enclosure, providing easy maintenance and clean

## Descriptions

LC series sample cooler provides the most cooling efficiency allowing it to be suitable for most applications in water or steam process. All the materials are constructed out of stainless steel which provides rugged and longer life span. From 0.11 to 0.42 square meters heat exchange area providing the most flexible usage for different application and installation. The removable shell design can be easy maintenance and cleaning after a period of usage. For the application of corrosive environment, other materials are available upon request, please consult factory.



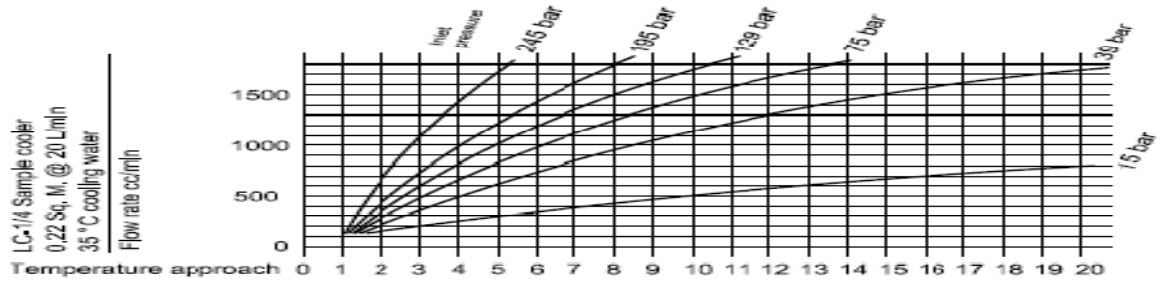
## Specifications

Model No.	Cooling Area	Tube Material / Size / Rating	Shell Material Rating
LC-1/4-6-S-1 *	0.11 Sq. M.	316ss / 1/4"O.D.x 0.049"T / 350 bar @ 537°C	304ss; 25 bar @ 200°C
LC-1/4-12-S-1	0.22 Sq. M.	316ss / 1/4"O.D.x 0.049"T / 350 bar @ 537°C	304ss; 25 bar @ 200°C
LC-3/8-6-S-1 *	0.16 Sq. M.	316ss / 3/8"O.D.x 0.049"T / 250 bar @ 537°C	304ss; 20 bar @ 200°C
LC-3/8-6-S-2 *	0.16 Sq. M.	316ss / 3/8"O.D.x 0.065"T / 345 bar @ 537°C	304ss; 20 bar @ 200°C
LC-3/8-12-S-1	0.32 Sq. M.	316ss / 3/8"O.D.x 0.049"T / 250 bar @ 537°C	304ss; 20 bar @ 200°C
LC-3/8-12-S-2	0.32 Sq. M.	316ss / 3/8"O.D.x 0.065"T / 345 bar @ 537°C	304ss; 20 bar @ 200°C
LC-3/8-15-S-2	0.42 Sq. M.	316ss / 3/8"O.D.x 0.065"T / 345 bar @ 537°C	304ss; 20 bar @ 200°C

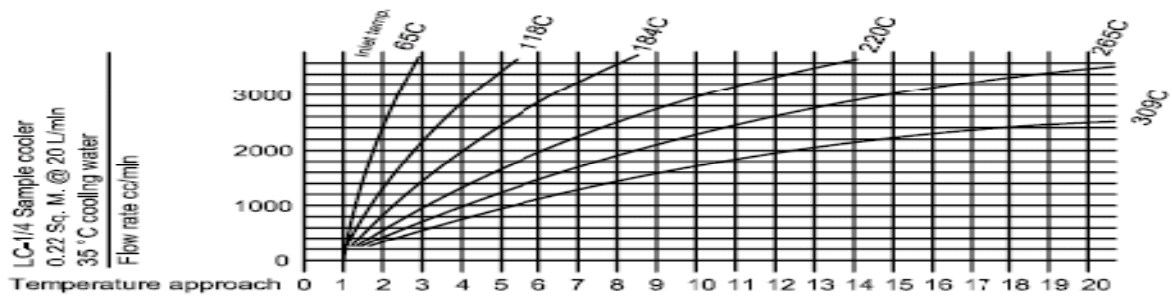
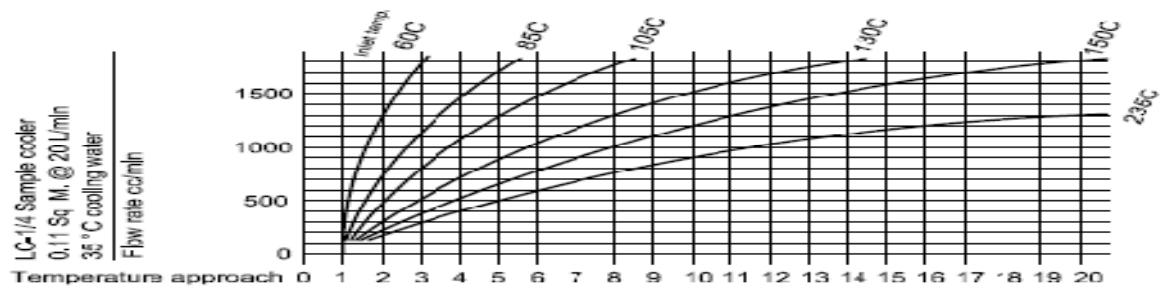
\* Note : For these kind of sample coolers are not recommended to use in the steam application.

## LC-1/4 sample cooler performance

### Temperature approach - Steam

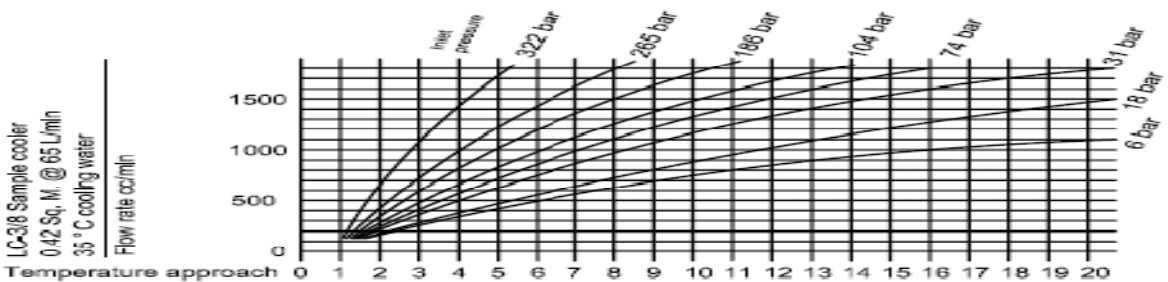
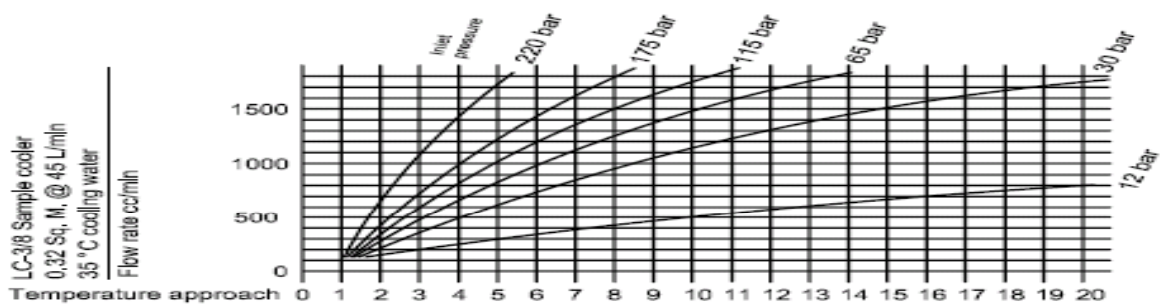


### Temperature approach - Water

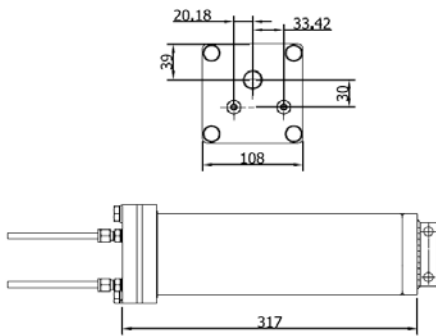
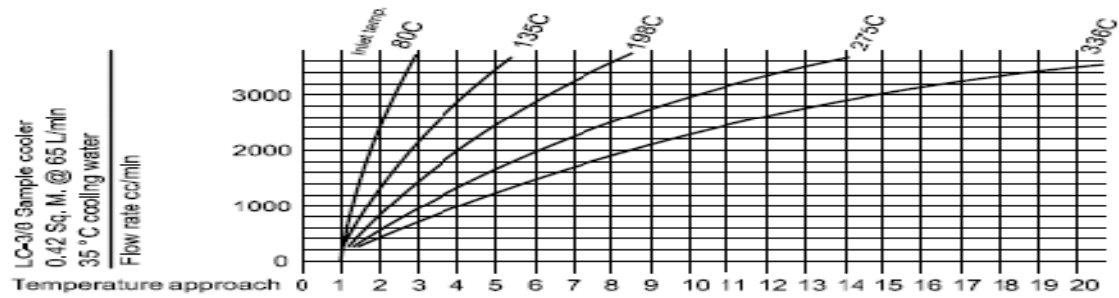
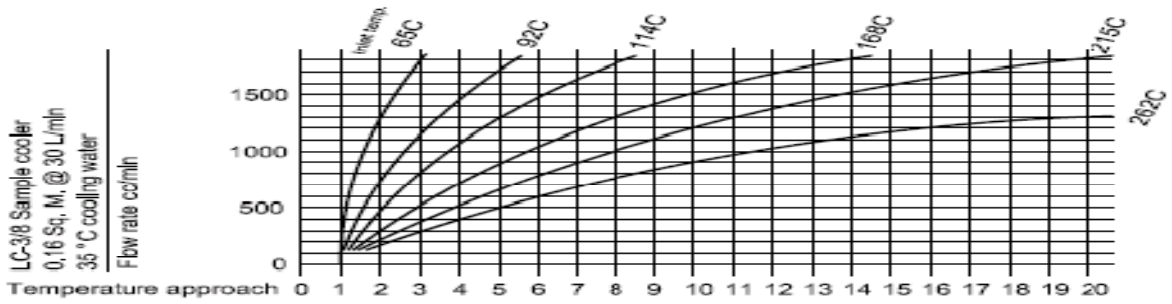


## LC-3/8 sample cooler performance

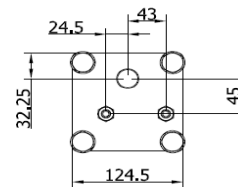
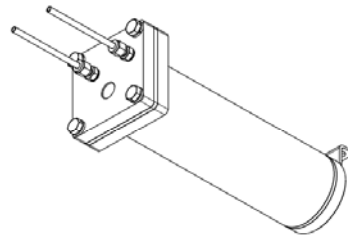
### Temperature approach - Steam



## Temperature approach - Water



LC-1/4 cooler



LC-3/8 cooler

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