

STEAM AND
WATER
ANALYSIS
SYSTEM



SAMPLE COOLER-
LC SERIES



SAMPLE COOLER- LC SERIES

LECOL's LC Series sample coolers provide highly efficient cooling for water and steam sampling applications. The unique dual helical coil design, combined with a robust shell-and-tube structure, achieves superior heat exchange performance and maximises cooling capacity.

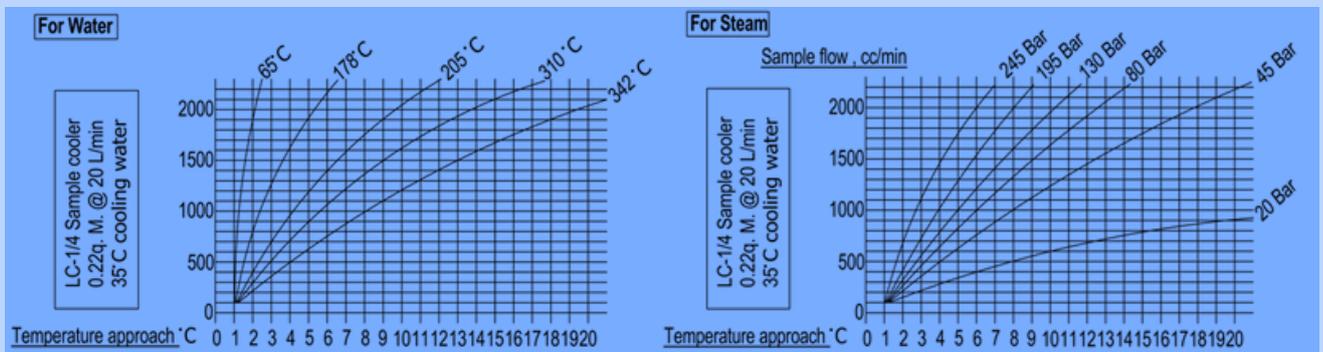
Our seamless, non-welded dual helical coils offer an extensive heat transfer area, reducing maintenance requirements and virtually eliminating potential leak paths to enhance safety and measurement accuracy. Multiple tube sizes and lengths are available to suit different operating scenarios and to resolve challenging sampling conditions with ease.



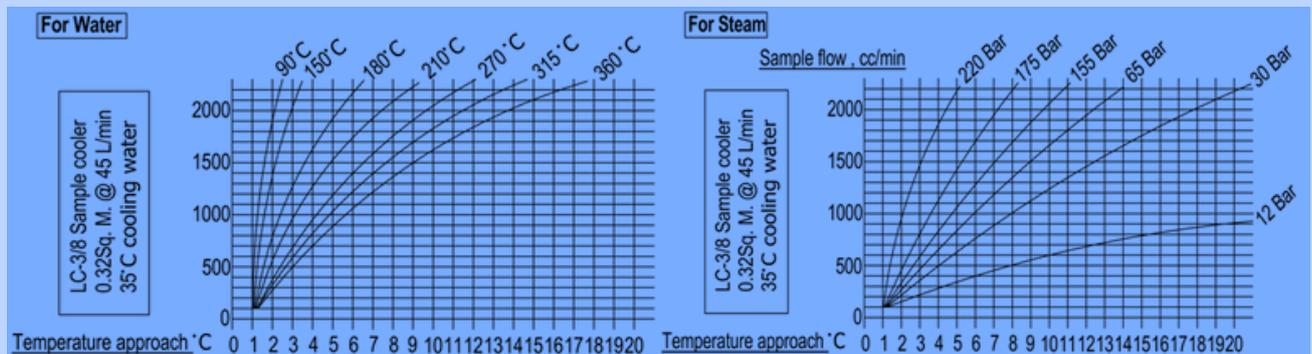
Features

- **Body: Standard 304 stainless steel (optional 316 stainless steel)**
- **Inner tubing: 316L seamless stainless steel**
- **Unique dual helical coil design provides an extensive heat exchange area up to 0.22 M² for efficient cooling in high temperature applications**
- **Compact design minimizes cooling water needs**
- **The removable body offers simplified cleaning and maintenance**

Performance Curve- LC-1/4 Series

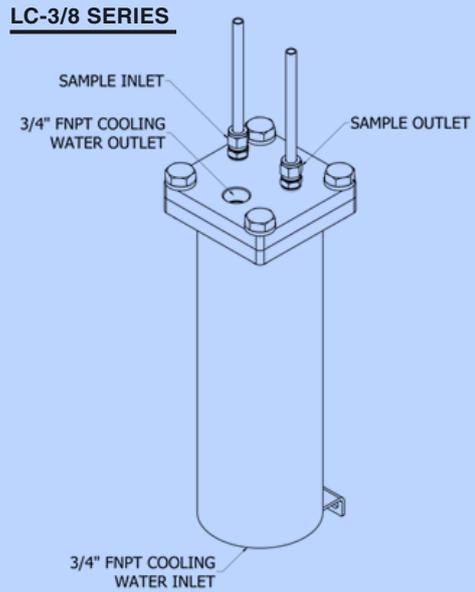
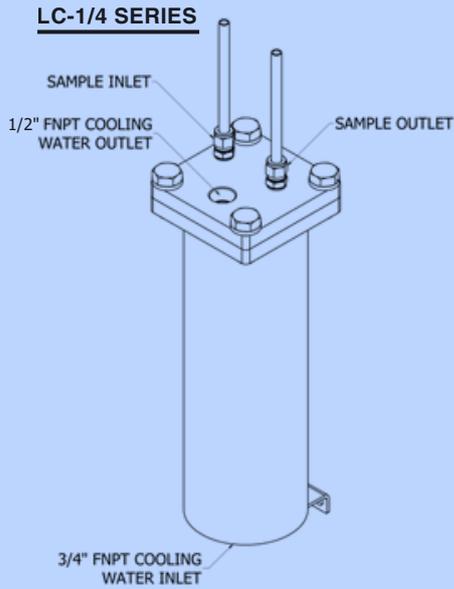


Performance Curve- LC-3/8 Series



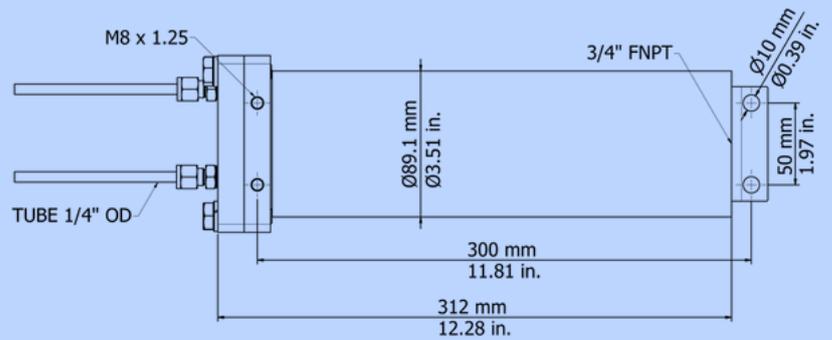
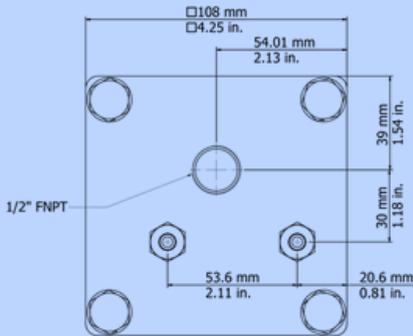
Specifications Sample Cooler- LC series								
Model	Tube			Shell			Cooling Area	Net Weight
	Material	Size	Rating	Material	Size	Rating		
LC-1/4-12-S-1-4	316L SS	1/4" OD X 0.49" T x 12M	350 bar @ 537°C	304 SS	4" OD shell	25 bar @ 200°C	0.22 M ²	8 kg
LC-1/4-12-A-1-4	316L SS	1/4" OD X 0.49" T x 12M	350 bar @ 537°C	316 SS	4" OD shell	25 bar @ 200°C	0.22 M ²	8 kg
LC-3/8-12-S-2-4	316L SS	3/8" OD X 0.65" T x 12M	345 bar @ 537°C	304 SS	4" OD shell	25 bar @ 200°C	0.32 M ²	15 kg
LC-3/8-12-S-2-5	316L SS	3/8" OD X 0.65" T x 12M	345 bar @ 537°C	304 SS	5" OD shell	25 bar @ 200°C	0.32 M ²	20 kg
LC-3/8-12-A-2-4	316L SS	3/8" OD X 0.65" T x 12M	345 bar @ 537°C	316 SS	4" OD shell	25 bar @ 200°C	0.32 M ²	15 kg

INSTALLATION

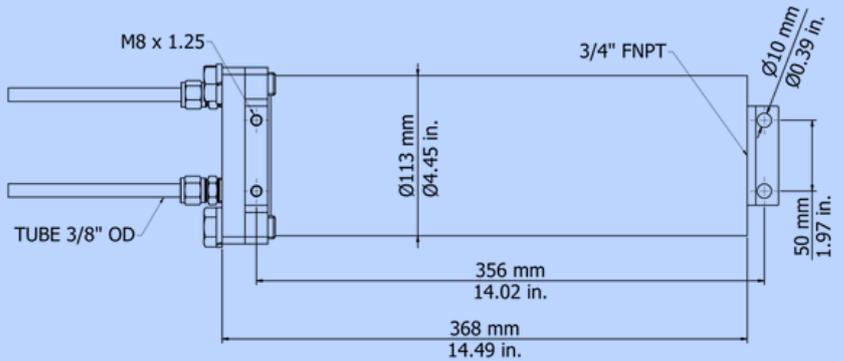
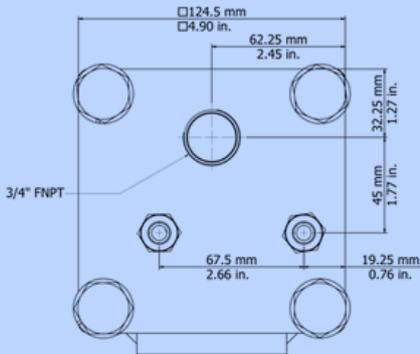


Dimensions

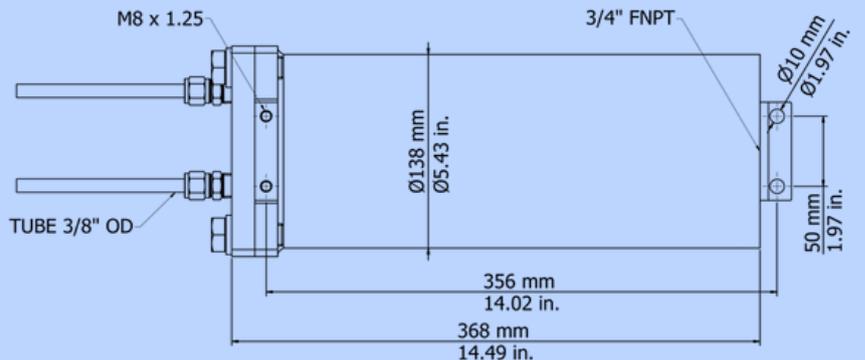
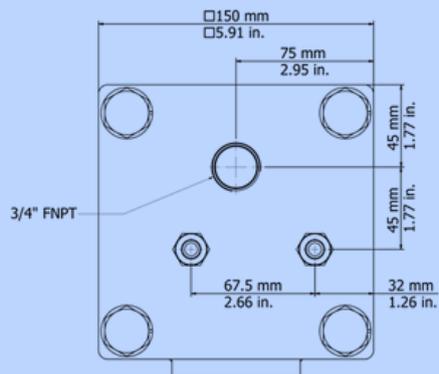
LC-1/4



LC-3/8 4" SHELL



LC-3/8 5" SHELL



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