

Release Notes

Plate-Fin

INSTED Ver. 12.0.1



TTC TECHNOLOGIES, INC.

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Release Features

INSTED Ver. 12.0.1

The latest version of INSTED (Ver. 12.0.1) is a minor update which includes the following bug fixes and enhancements. The module affected is INSTED/Plate-Fin. This update is available free-of-charge to licensed customers with an up-to-date annual maintenance contract with TTC.

A bug was fixed that could report wrong “mass flow rate” data

In the last version of INSTED/Plate-Fin, which was generated after the significant enhancements of last month, a customer reported a minor bug in the Microsoft Excel output file that INSTED generates. When “Volume Flow Rate at Inlet” and “Core Mean Flow Velocity at Inlet” are selected in order to specify the inlet flow rates, INSTED shows the wrong “mass flow rate” value when reporting rating/sizing/optimization results in both INSTED GUI and in the downloadable Excel files. This bug, which does not affect the engine of INSTED, that is, the DLL; but the user interface, has now been fixed in Version 12.0.1.

A bug was fixed that could report wrong “mean temperature difference” data

In previous versions of INSTED, the software displays the wrong “mean temperature difference” data when reporting rating/sizing/optimization results if non-SI units are used for this item. The error is due to basing automatic unit conversion on temperature rather than on temperature difference. Since the INSTED engine consistently solves problems in SI units and reports results in these units, independent of user’s specified unit preference, the error does not occur if the user has queried the mean temperature difference in SI units. This bug, which does not affect the engine of INSTED, that is, the DLL; but the user interface, has now been fixed in Version 12.0.1.

Enhancements: More Unit Items are Added for Volume Mass Flow Rate Inputs

Based on the request of a customer, the unit “gal/min (US)” (US GPM) and “gal/min (UK)” (UK GPM) have been added to the drop-down unit list for volume flow rate.