

# Customer Notification

B-CN-302-EN REV B

May 31, 2023

**SUBJECT: Updated TT Series Discharge P/T Sensor \*\*Revised\*\***

## Purpose

**This bulletin has been revised to include the Interstage Pipe kit. Changes in this revision are in bold text.**

To improve the reliability of the TT Series discharge pressure/temperature (P/T) sensor, particularly when applied to compressors with higher discharge gas velocities, Danfoss LLC will be phasing in a new discharge P/T sensor. This new discharge P/T sensor will also replace the discharge sensor located on the TTH/TGH Interstage Pipe.

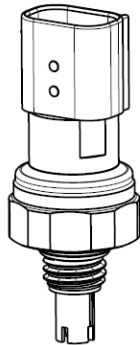
The new discharge P/T sensor will be phased in on TTH/TGH compressors the first week of June 2023. The new P/T sensor will be phased in on other models later this year and a revised bulletin will be sent out when a release date is scheduled.

We will also be introducing a new spare part kit for the discharge P/T sensor the first week of June 2023. Below is a visual comparison between the discharge P/T sensors.

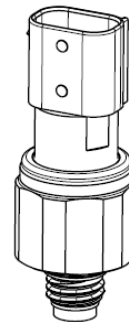
**The Interstage Pipe kit 100703-3 has been updated to include the new discharge P/T sensor.**

## Figure 1 – P/T Sensor Comparison

**Current Discharge P/T Sensor**



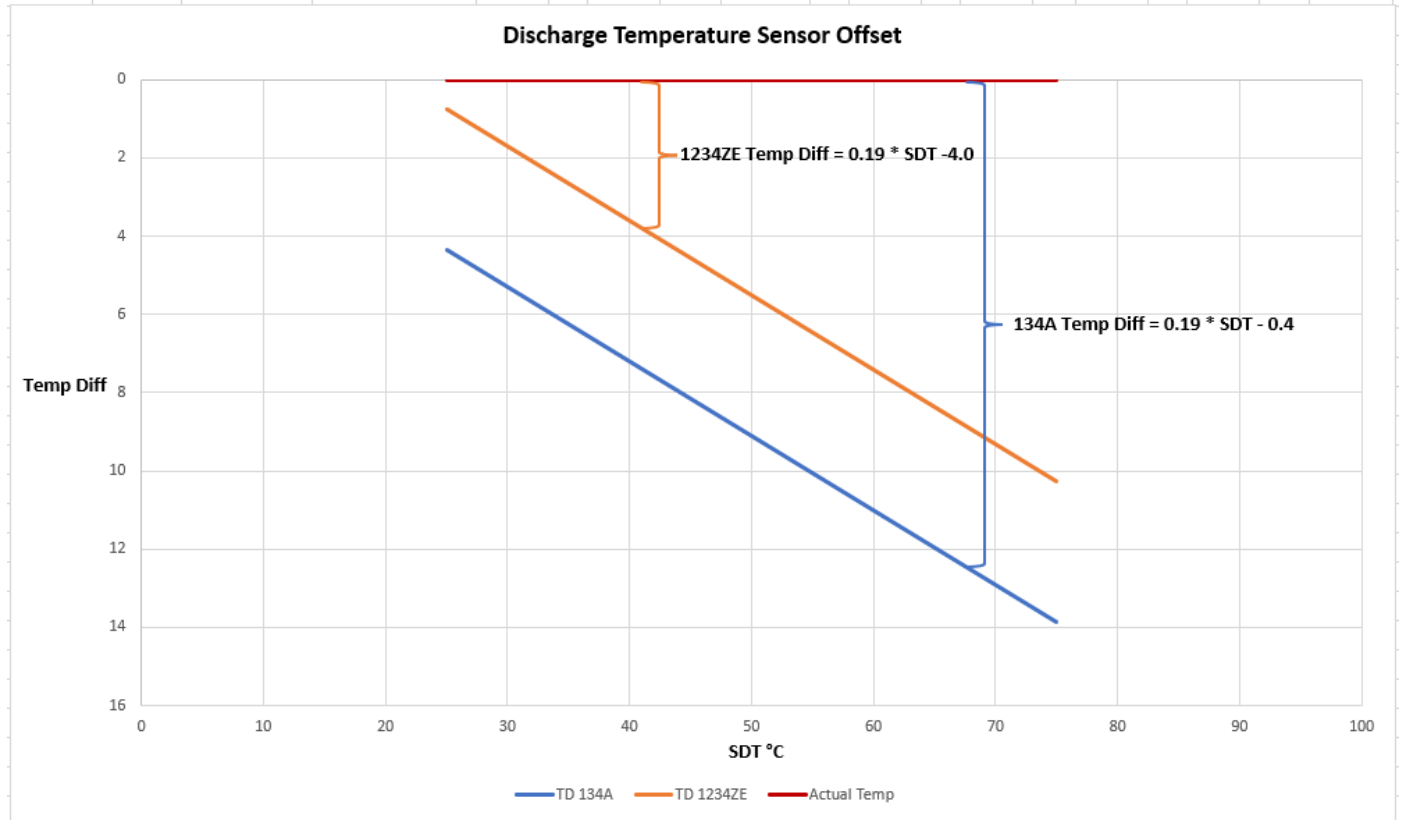
**New Discharge P/T Sensor**



**Summary**

During qualification testing, a difference between sensor temperature measurement and true gas temperature was identified for the existing and new designs. The new P/T Sensor is being released with the transfer functions below to allow for determination of the true gas temperature as a function of the operating conditions.

**Figure 2 - Discharge Temperature Offset**



**Action Required**

Use part number **100037-2** beginning June 5, 2023, when ordering a replacement discharge P/T sensor for any TTH/TGH compressor.

**Need Assistance**

For more information, please contact your Key Account Manager or our Product Support group at [turbocor.ps.na@danfoss.com](mailto:turbocor.ps.na@danfoss.com).

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