

Customer Notification

September 11, 2026

B-CN-466-EN REV A

SUBJECT: Introduction of New TGS380 Resonator Kits

Purpose

This is to inform our customers that we have released a **new discharge Resonator for the TGS380 compressor model** utilizing HFO-1234ze and R515B refrigerants. The Resonator is an accessory option that reduces sound power levels for noise-sensitive applications. It has been qualified and optimized for the TGS380. This new Resonator supersedes the previous Resonator. Refer to the Summary section below for more information related to the legacy and new kits.

In addition to the new Resonator accessory, a new Discharge Flange kit and two new associated hardware kits are available. The Resonator inlet connects directly to the compressor discharge port, while the Resonator outlet connects downstream to either the new Discharge Flange or to an OFC (Oil-Free Check Valve). The downstream connection on the new Resonator has been changed to a threaded hole to simplify installation.

NOTE: The Resonator is designed only for use with Danfoss Turbocor TGS380 Compressor Model using low density HFO-1234ze and R515B refrigerants. The resonator is not compatible with any other TTS or TGS Series compressor models.



Figure 1 – Resonator and Flange Images

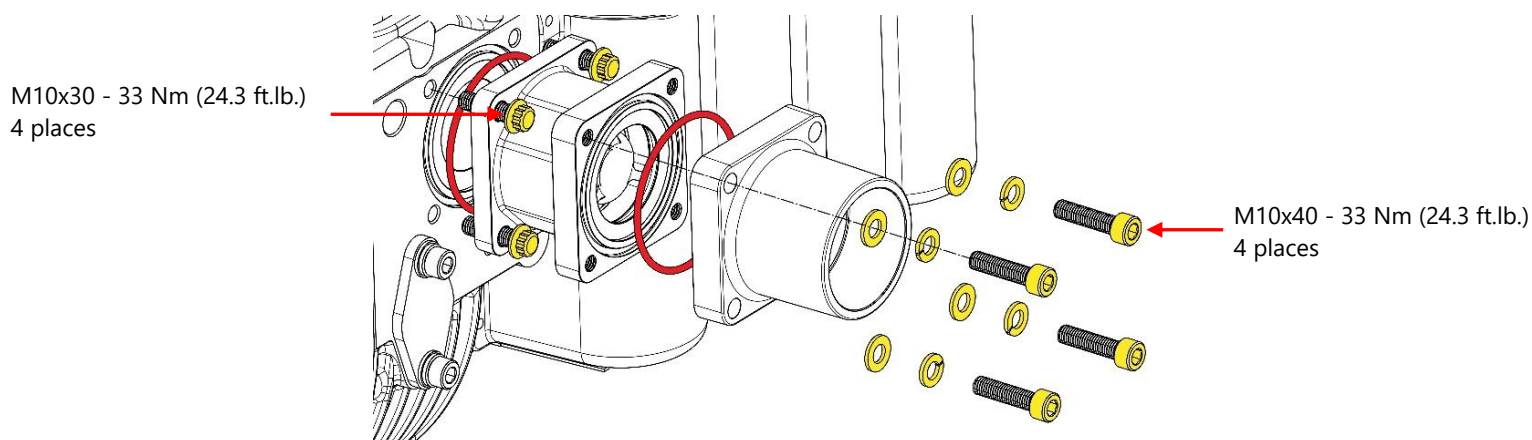
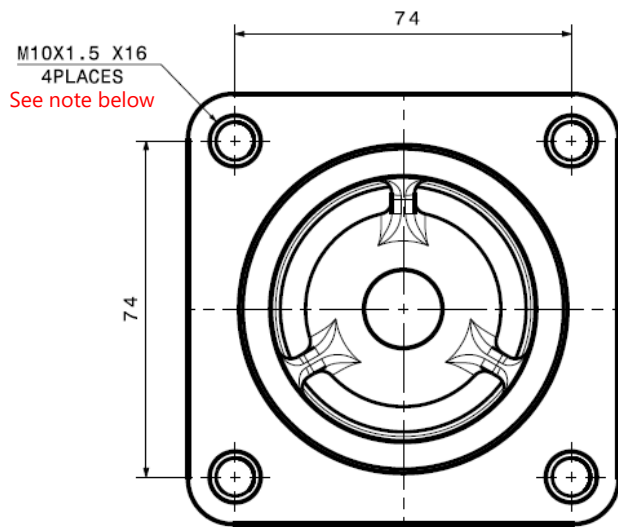
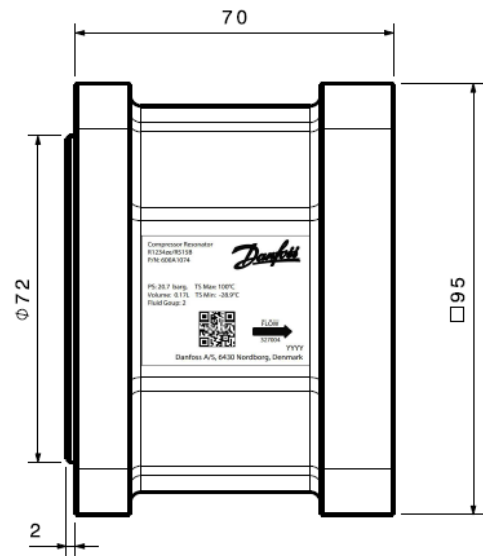


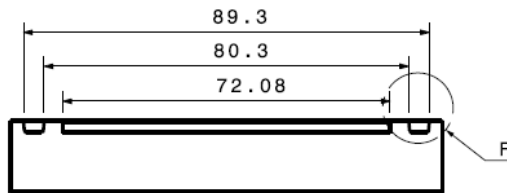
Figure 2 – Resonator and Flange Fastener Torque



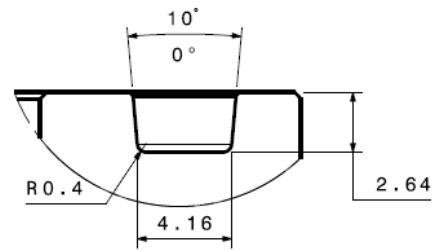
Front view
Scale: 1:1



Right view
Scale: 1:1



O-Ring Groove
Detail view



Detail F
Scale: 5:1

Figure 3 – Resonator Physical Dimensions

NOTE: The new Resonator outlet-side connection points have been updated to threaded holes to simplify installation. The Resonator inlet-side mounting points continue to utilize clearance holes to attach to the compressor.

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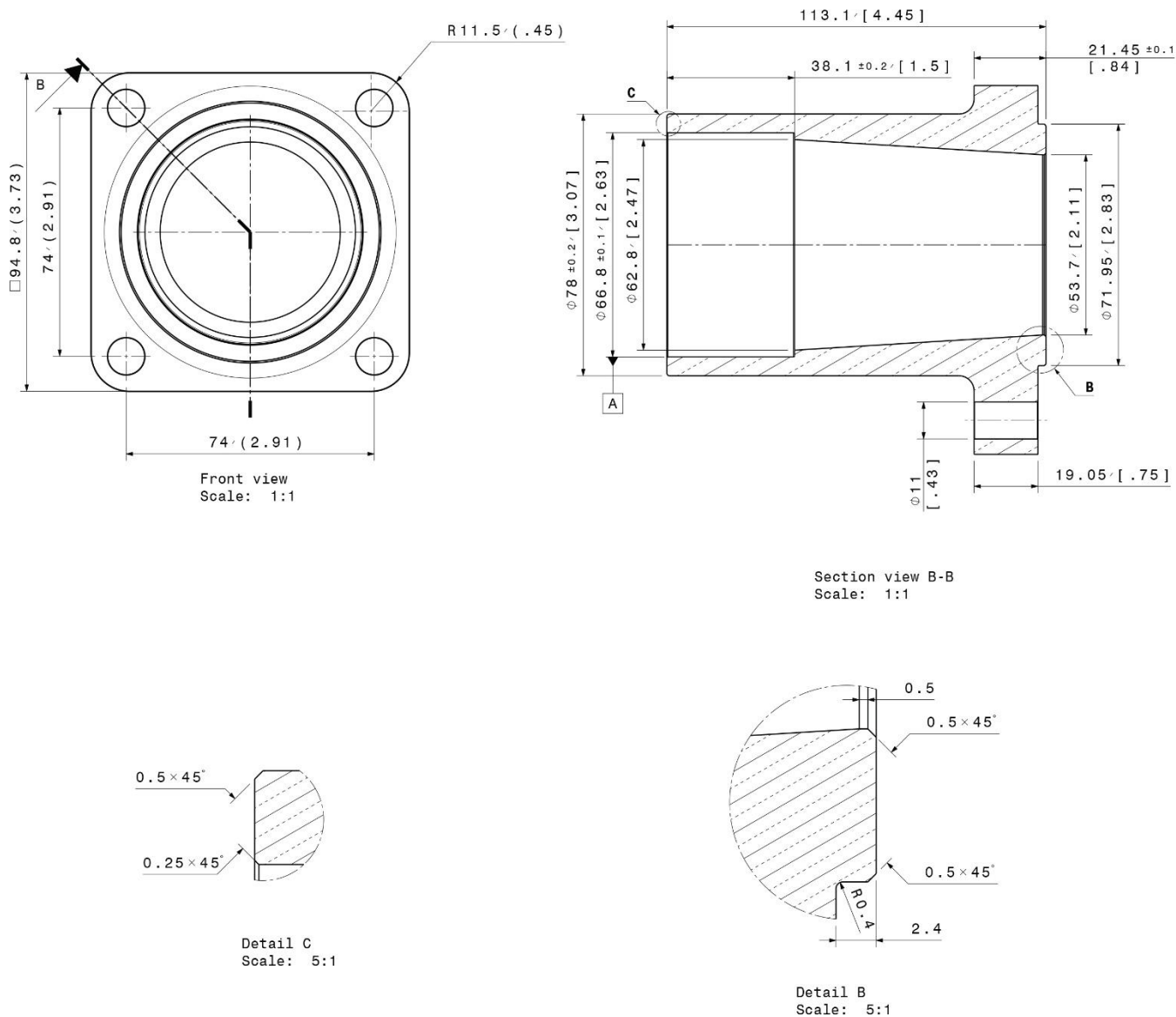


Figure 4 – Discharge Flange Physical Dimensions

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Summary

The new Resonator may be purchased as one of two spare part kits. Kit **199K0104** includes the Resonator and the hardware required to assemble the Resonator onto the TGS380 compressor. Kit **199K0102** includes the Resonator, the new Discharge Flange, and the hardware required to both assemble the Resonator onto the TGS380 compressor and to assemble the Discharge Flange onto the Resonator.

Hardware for both the Resonator inlet-side, which connects to the compressor discharge port, and the Resonator outlet-side, which connects downstream, is available as two separate spare part kits, **199K0103** and **199K0101**, respectively.

Table 1 – New Resonator Kits

Part Number	Description	Contents
199K0104	RESONATOR-TGS380 AND INLET-SIDE HARDWARE	Resonator, inlet-side hardware, both O-rings, O-lube.
199K0103	HARDWARE, RESONATOR, INLET-SIDE	Only inlet-side hardware, both O-rings, O-lube.
199K0101	HARDWARE, RESONATOR, OUTLET-SIDE	Only outlet-side hardware, both O-rings, O-lube.
199K0102	RESONATOR-TGS380 + HARDWARE + DISCH FLNG	Resonator, Discharge Flange, both sides hardware, both O-rings, O-lube.

Table 2 – Legacy Resonator Kits (Obsolete)

Part Number	Description	Contents
199K0004	RESONATOR + HARDWARE	Resonator, inlet-side hardware, outlet-side hardware, both O-rings, O-lube.
199K0016	HARDWARE (FOR RESONATOR / DISCHARGE FLANGE)	Both sides hardware, both O-rings, O-lube.
199K0017	DISCHARGE FLANGE, BRASS (FOR RESONATOR USE)	Discharge Flange, both sides hardware, both O-rings, O-lube.
199K0032	RESONATOR, NO HARDWARE	Resonator, both O-rings, O-lube.

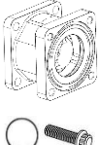
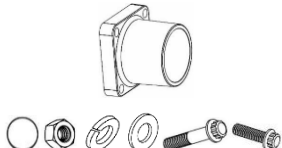
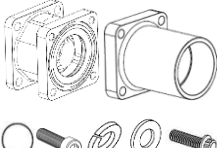
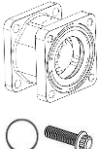
Many of the legacy Resonator kits included both inlet-side and outlet-side hardware. In some cases, this resulted in excess, unused hardware. Please refer to Table 3 for further guidance related to the changes of kit contents and for recommended replacement kits.

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Table 3 – TGS380 Resonator Kit Purchasing Guide

Legacy Kit (Obsolete)	Recommended New Kit(s)	Application Notes
199K0004 Resonator + Both Sides Hardware 	199K0104 Resonator + Inlet-Side Hardware 	Outlet-side hardware not included in new kit. Outlet-side hardware is included in OFC kits. Order 199K0101 if separate outlet-side hardware is required. <i>Note: O-rings for both inlet and outlet connections included.</i>
199K0016 Both Sides Hardware 	199K0103 Inlet-Side Hardware  199K0101 Outlet-Side Hardware 	Hardware separated into two kits. <i>Note: O-rings for both inlet and outlet connections included in both kits.</i>
199K0017 Discharge Flange + Both Sides Hardware 	199K0102 Resonator, Hardware, and Discharge Flange 	Consolidated kit for the use of Resonator and Discharge Flange combination. This Discharge Flange must only be used with the accompanying new Resonator to prevent accidental misapplication. <i>Note: O-rings and hardware for both inlet and outlet connections included.</i>
199K0032 Resonator, No Hardware 	199K0104 Resonator + Inlet-Side Hardware 	Specialized inlet hardware is now mandatory and included with the Resonator to ensure proper assembly to the Turbocor compressor. <i>Note: O-rings for both inlet and outlet connections included.</i>

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Action Required

New Resonator Accessory Kits have superseded the legacy kits and will be available for order on September 14th, 2026. Customers should update orders to the new kit numbers according to **Table 3 – TGS380 Resonator Purchasing Guide**.

Need Assistance

DTC Applications is available to support our OEM customers. Contact DTC Applications (dtcapplications@Danfoss.com) directly or your local Key Account Manager with any questions.

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