



Product Note

Replacing Danfoss TUB/E and TUC/E TXVs

Danfoss TUA (Stainless steel refrigeration TXV) come in three variants:

- **TUA** – Designed specifically for the unique needs of contractor. This valve has a replaceable orifice (cartridge) which permits easy capacity adjustment and replacement/cleaning of screen. It also has adjustable superheat. These are only available in a straightway design.
- **TUB** – These valves are generally designed for OEM customers. They have adjustable superheat and a built-in orifice. These are available in both straightway and angleway designs.
- **TUC** – These valves are designed only for OEMs. They do not have adjustable superheat and the orifice is built-in. Like the TUB, these are available in both angleway and straightway designs.



TUA

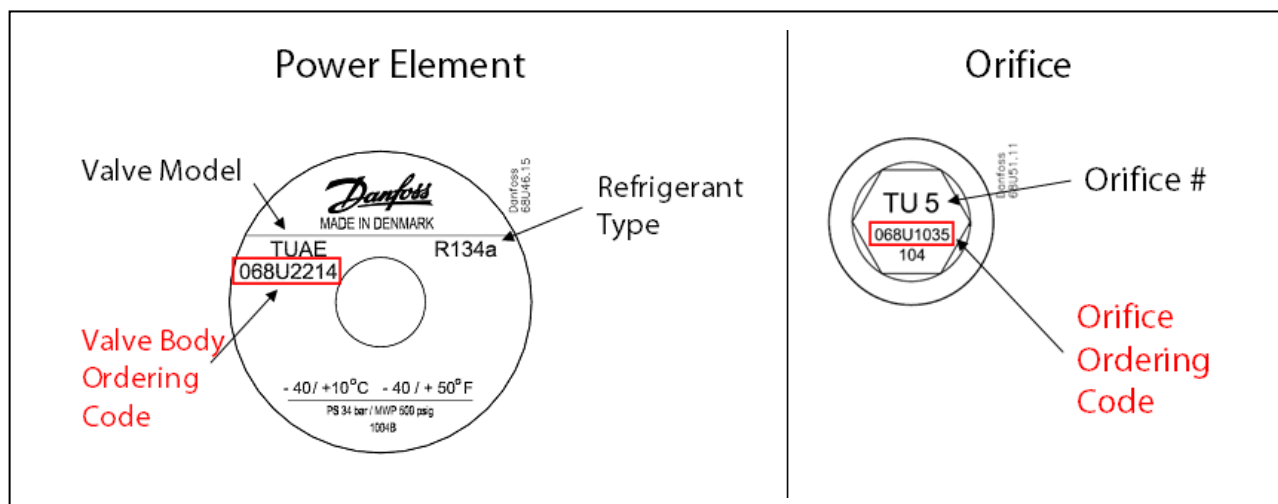


TUB or TUC

Typically, if the exact valve is not available in the branch or distribution center, it is recommended that counter personnel replace a TUB or TUC with a TUA due to greater availability of parts for TUAs. The built-in orifices on TUBs or TUCs have the same characteristics as the replaceable orifices of the TUA.

Key Points to Replacing a TUA

- Identify valve body code number from power element
- Identify orifice number from orifice (installed in bottom of valve)

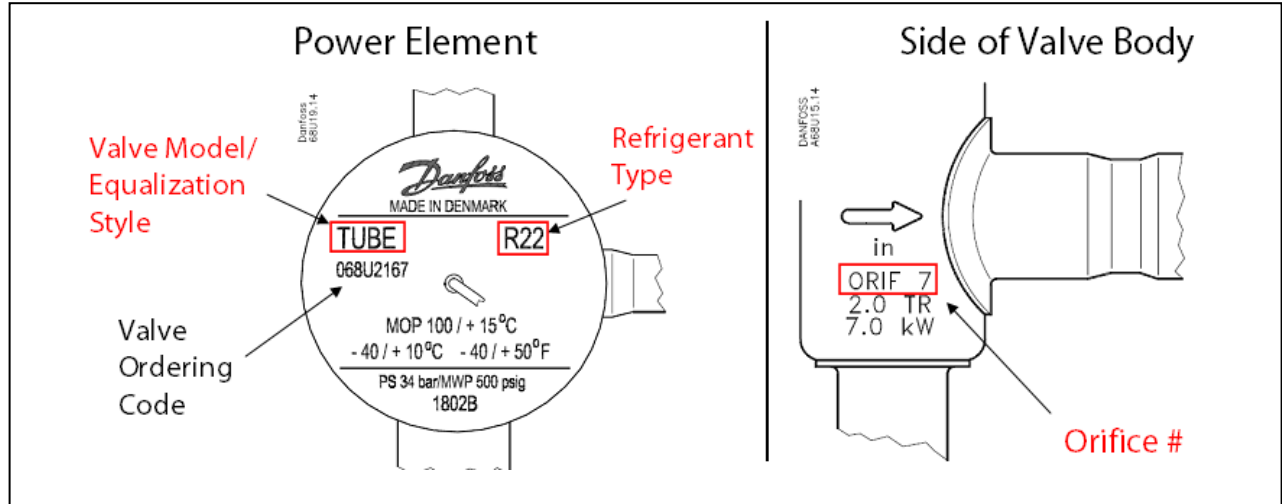


Danfoss can accept no responsibility for possible errors in catalogues, brochures and other printed material. Danfoss reserves the right to alter its products without notice. This also applies to products already on order provided that such alterations can be made without consequential changes being necessary in specifications already agreed. All trademarks in this material are property of the respective companies. Danfoss and the Danfoss logotype are trademarks of Danfoss A/S. All rights reserved.



Key Points to Cross TUB/E or TUC/E to TUA

- Identify whether the valve body is internal or externally equalized from power element (TUB is internal, TUBE is external; TUC is internal, TUCE is external)
- Identify refrigerant type from power element
- Identify orifice number from side of valve (sometimes printed on power element as well)



- Using table below, identify correct valve body.

	R134a	R22	R404A/ R507
Internal	068U2205	068U2235	068U2285
External	068U2207	068U2237	068U2287

- Using table below, identify correct orifice

Orifice Size	Danfoss Part No.
TU0	068U1030
TU1	068U1031
TU2	068U1032
TU3	068U1033
TU4	068U1034
TU5	068U1035
TU6	068U1036
TU7	068U1037
TU8	068U1038
TU9	068U1039

Danfoss can accept no responsibility for possible errors in catalogues, brochures and other printed material. Danfoss reserves the right to alter its products without notice. This also applies to products already on order provided that such alterations can be made without consequential changes being necessary in specifications already agreed. All trademarks in this material are property of the respective companies. Danfoss and the Danfoss logotype are trademarks of Danfoss A/S. All rights reserved.