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Recommended Engineers Specification for
“ LINEBRACE” TKL Series Lineset Pipe supports by Inaba Denko

June 1, 2025.

Vertical Refrigerant Linesets

When vertical runs of refrigerant lineset are required, each pipe shall be supported at its midpoint by an appropriately sized pipe support assembly to reduce the risk of deformation due to expansion.

The pipe support assembly shall consist of a stainless steel clamp (“ LINEBRACE” TKL Series) secured to the lineset pipe with stainless steel nuts and bolts.

Ascertain the combined weight of the vertical lineset plus insulation and ensure that this is within the weight bearing capacity of the selected TKL clamp assembly.

Ensuring that the underlying wall or building surface is sufficiently stable to carry the load, the pipe support clamp shall be secured to the vertical wall or structural member of the building with the appropriate mounting bracket fabricated from 1/8” hot dip galvanized and powder coated steel (TKL-U, K or B Series).

All bolts, screws and expansion bolts used to attach the TKL Series to the vertical surfaces of the building shall be stainless steel, minimum of 3/8” (10mm) diameter and each one shall be secured with a stainless steel lockwasher. NO GALVANISED FIXINGS SHALL BE USED.

To preserve the thermal integrity of the lineset insulation, the entire clamp/bracket assembly shall be enclosed within a matched custom molded Tee shaped 3/4” insulation sleeve (TKL-DH Series) which shall be secured in place with UV resistant weatherproof adhesive closure tapes (JTA-100-1 & HV-50-1).

Clamps, support brackets, insulation sleeves and closure tapes shall be installed strictly in accordance with the manufacturer’s installation instructions.

Clamps, base brackets and insulation sleeves shall be “LINEBRACE” TKL Series and tapes shall be JTA-100-1 & HV-50-1, or equal, as manufactured by Inaba Denko, available from: Marketair Inc., 402 Merrywood Drive, Edison NJ 08817, Tel: (732) 985-8226, Fax: (732) 985-2134, email gerry@marketair.com, Website: www.marketair.com.