

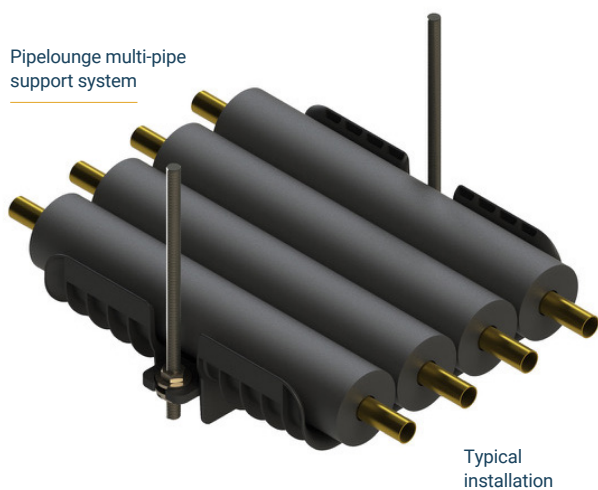
GUIDE SPECIFICATION PIPELOUNGE



Suggested for inclusion in the refrigerant pipework clause of a mechanical services specification. Also available in plain text format on our website.

REFRIGERANT PIPE SUPPORTS

Horizontal installation of insulated refrigerant pipework shall be supported by a Pipelounge multi-pipe support system.



ARRANGEMENT

Support brackets shall be installed in accordance with the manufacturer's installation guidance.

Insulated pipes shall be uniformly distributed across the full width of each bracket, with a maximum load of 50kg per bracket and a minimum 250mm longitudinal contact surface length.

Individual bracket width shall be selected to suit the number of supported pipes. Where multiple brackets are required for additional pipes, brackets shall be either stacked vertically or joined horizontally.

Maximum spacing of brackets along the length of the supported pipework and at each change in direction shall not be less than the requirements of the relevant standards for the application.

MATERIALS

Brackets shall be manufactured by injection moulding of flame retardant and recyclable black non-halogen PC/ABS plastic that achieves V0 and 5VA flammability ratings in accordance with UL-94.

SECURING

Insulated pipes shall be secured in place to each bracket by hook-and-loop fastening straps without compressing the pipe insulation material and allowing independent longitudinal movement of each pipe through the bracket. Strap length shall be selected to surround the entire perimeter of the bracket and supported pipes, plus a minimum 100mm overlap.

ATTACHMENT TO STRUCTURE

Each bracket shall be affixed directly to the building structure by high tensile M10 threaded rod connected through mounting tabs on the sides of the bracket. Flanged nuts shall secure the bracket to the rod from above and below. Rods shall be trimmed to align with the underside of the bracket and filed to prevent injury.

Each bracket shall be fitted over and supported by a 40mm strut framing system where a 50 kg load capacity is exceeded. Strut framing, hanger rods, anchors and other connectors into the supporting structure is to be undertaken in accordance with the relevant manufacturer's printed instructions.

A certified structural design for the seismic restraint system shall be obtained where seismic restraint of the support system is required.

The strength and span of the selected anchoring and strut systems shall be adjusted to accommodate the load of multiple stacked or joined brackets and a proprietary joining clip shall be used to make horizontal connections when a strut framing system is used.

When securing threaded rods to the strut framing system through mounting tabs, 7mm packers shall be fitted beneath upper mounting tabs where brackets are not joined.

PROTECTION

Where installed in a location subject to sunlight, wind, rain, snow and/or ice, additional protection and support shall be provided that is independent of the bracket and supported pipework.

The designer and installer remain responsible for the appropriate use of the product and must ensure that their specification remains up to date with any changing legislation, codes and standards applicable to the work.

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