



Pipe Support Blocks

The insulation at pipe support points shall be CFC free high density phenolic foam sections contained within metal sleeves or hardwood made to the same thickness as the adjacent pipework insulation.

The foil-face aluminium finish shall be continuous through the support and sealed.

Where phenolic foam is used, a metal bearing plate shall be situated between the insulation and pipe support to avoid point loads on the insulation.

Spacing of Pipes

Pipes shall be spaced in relation to one another and to the building structure so as not to interfere with any other services and to allow for the required method and thickness of the thermal insulation as specified. Clearance between pipework (both insulated and uninsulated) and finished walls, floors, ceilings and other fixtures shall be adequate for cleaning purposes, future dismantling, etc. and shall not be less than the distance given below (excludes flanges and unions):

Pipework to pipework	Minimum distance 50 mm
Insulation to insulation	Minimum distance 50 mm
Pipework to floors	Minimum distance 100 mm
Pipework to ceilings	Minimum distance 100 mm
Pipework to walls	Minimum distance to conform with standard bracket centres with due allowance made for thermal insulation.

The spaces indicated above shall be achieved irrespective of the insulation thickness used.

All exposed pipe runs shall be arranged to present a neat appearance and be parallel both with one another and with the building structure taking due regard however to the grading, venting and draining requirements. All vertical pipes shall be plumb. All pipe runs shall be arranged so that the longest length of tube practicable is used between bends, tees and flanges or unions. Short lengths of tube joined together by sockets or flanges shall not be employed.

Access

To facilitate routine maintenance the positions of all valves, vents, strainers, drains and supports, etc., shall be determined with this aspect in mind. Grouping of valves, drains, unions, strainers, flanges, etc., shall be preferred to scattered siting. All pipework, valves, fittings and equipment forming the piping installations shall be erected so that it can be dismantled and accessible for repair, maintenance and replacement.

In this context "accessible" means that the provision for dismantling the flange, union, etc., can be reached and worked upon either in the open or else by removal of a purpose-made duct cover, manhole or similar cover.

The fitting is not accessible if, as fixed, it cannot be manipulated. No pipe shall be installed without a flange or union at a point where it passes through a wall, floor or ceiling and is not readily removable. No joints shall be formed within the thickness of walls, floors or ceilings. Unions or flanges shall be provided generally at a maximum spacing of one per twelve metres, in agreed positions.