

QFP-RW150-06

Insulated Metal pipe Penetrating a rigid wall (150mm or thicker)

This standard detail is intended for general information only and all details should be checked against all relevant supporting test evidence, certification and installation guidelines. In line with the company's policy of continual development, details are subject to change and/ or withdrawal therefore you must ensure this is the latest published detail and instructions.

Additional Instructions

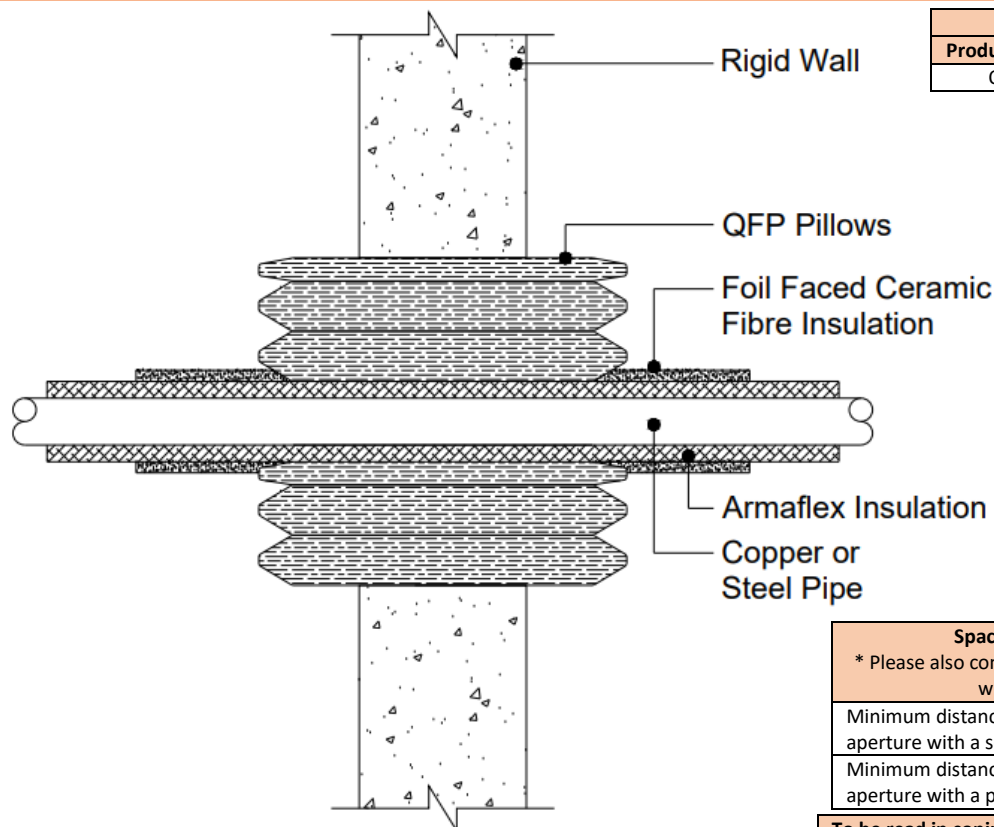
Rigid walls to be a minimum of 150mm thickness and have a minimum density of $\geq 650\text{kg/m}^3$.

Pillows should be installed lengthways and in such a way that all joints are staggered in each layer and all gaps are filled in a manner that ensures a tight compression fit.

They should be finally positioned so that they are **centrally positioned** within the fire compartment wall with equal projection on both sides of the supporting construction.

Services wrapped with 2 x layers of $\geq 100\text{mm}$ long foil faced $\geq 6\text{mm}$ ceramic fibre insulation where they exit the seal.

BS EN 1366-3:2021 Section 13.7: The distance between the aperture edges of penetration seals in a building element shall be as tested or minimum 100mm. The distance between the aperture edge of a penetration seal and any other penetration (e.g., door) in a building element shall be minimum 200mm.



Quelfire Products Required

Product Code	Description
QFP	QuelStop Intumescent Fire Pillows (3 Sizes)

Spacing as per BS EN 1366-3: 2021, Section 13.7

* Please also consider any requirements that the wall manufacturer has with regards to spacing between openings.

Minimum distance from edge of opening to another aperture with a service penetration tested to BS EN 1366-3	100mm*
Minimum distance from edge of opening to another aperture with a penetration not tested to BS EN 1366-3	200mm*

Service Type	Size of Services	Pipe Wall Thickness	Pipe Insulation	Additional Pipe Insulation	Classification
Copper/ Cast Iron & Steel Pipe*	Ø54mm	1.0 - 14.2mm	15mm thick Armaflex AF (C/S)	$\geq 6\text{mm}$ foil faced ceramic fibre insulation. $\geq 100\text{mm}$ (L/I)	EI 120 C/U

* All metal pipe materials are covered which have a thermal conductivity equal or lower than the metal pipe tested and provided the melting point is at least equal or greater.

To be read in conjunction with:	UL EU 01222-CPR, page 10
Test standard:	BS EN1366-3 & EN13501-2:2016
Substrate minimum thickness:	150mm
First Service Support:	$\leq 250\text{mm}$
Maximum Aperture:	1100 x 1100mm
Drawing Scale:	Not to Scale
Issue Number:	2
Date of Issue:	January 2023
Detail Reference:	QFP-RW150-06

Important Information:

- The supporting construction must be installed in accordance with the manufacturer's guidelines and must be capable of achieving the required fire rating of the firestop.
- All Services should be adequately supported either side of the firestop to ensure that no load is transferred onto the firestop seal.

Scope and Liability:

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