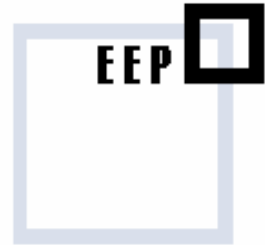


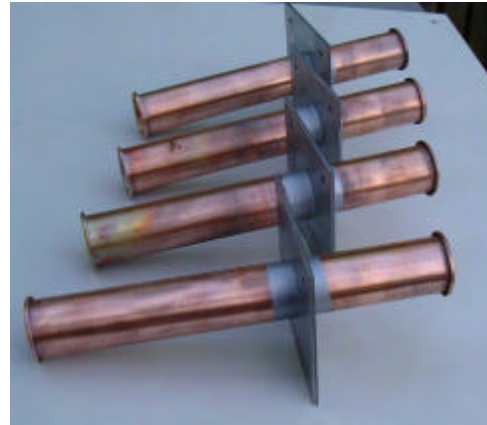
RF SHIELDED PIPE PENETRATIONS



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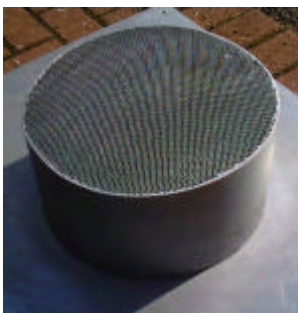


Small diameter pipe penetrations for Fibre
Optic cables



Copper pipe penetration for air-conditioning
condensate pipe

RF (radio frequency) shielded pipe penetrations are designed to allow liquids and fluids to pass into RF shielded enclosures while maintaining the RF performance of the structure. Examples are drainage pipes, compressed air, fibre optic cables and water supplies. Pipe penetrations can be in a variety of materials and diameters depending on the application and RF performance required. The RF performance of a pipe is dependant on the ratio between the diameter and length, the higher the frequency range to be shielded the smaller the pipe diameter needs to be, therefore some pipes require to be internally divided. EEP can advise on the best design and material required for all applications.



Large diameter
air-conditioning duct with internal
steel honeycomb vent.



Large diameter pipe penetrations for generator exhaust
gas in an EMPP
(Electro-Magnetic Pulse Protection) bunker

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