at least one fluid conduit is part of an air regulation system, the fluid may be part of the influent air flow to the air regulation system. In some embodiments, the air regulation system may be an indoor air regulation system that may be positioned in an enclosed area (such as a room), or installed in a mode of transport, such as in a mass rapid transit.

[0055] The pipe 102 is hollow so as to allow fluid to flow longitudinally therethrough. The pipe 102 comprises a transparent portion 106. The transparent portion 106 may be formed from or of quartz glass or other suitable materials to allow disinfection radiation to pass transversely therethrough with minimal distortion. The transparent portion 106 may be referred to as a “sight glass”.

[0056] The pipe 102 may comprise one or more brackets adapted to receive the transparent portion 106. The brackets may be stainless-steel bracket shaped and dimensioned to receive the transparent portion 106.

[0057] The pipe 102 may have an IP65 rated enclosure to provide protection against low pressure water jets from any direction, as well as condensation and water spray. Such configuration may be suitable for outdoor enclosures.

[0058] The cover portion 104 may be formed from or of at least one of stainless steel and aluminium material. It is contemplated that other materials that are resistant to fluid and radiation corrosion may be suitable.

[0059] In some embodiments, the cover portion 104 has an internal surface layered with a reflective material comprising polished stainless steel. Alternatively, the internal surface may be polished.

[0060] The pipe 102 may comprise a first end 114 and a second end 116. In some embodiments, at least one of the first end 114 and the second end 116 comprises a pipe reducer 118.

[0061] In some embodiments, the disinfection module 100 further comprises at least one intensity sensor arranged to detect the intensity of the radiation.