CLAIMS

1. An inlet assembly (10) for an abatement apparatus, said inlet assembly comprising:

an inlet nozzle (200A, B, C ) defining

a non-circular inlet aperture (210A, B, C) coupleable with an inlet conduit providing an effluent gas stream for treatment by said an abatement apparatus,

at least one outlet aperture (220A, B, C, D) and

a nozzle bore (230A, B, C) extending along a longitudinal axis between said non-circular inlet aperture and said outlet aperture for conveying said effluent gas stream from said non-circular inlet aperture to said outlet aperture for delivery to a treatment chamber of said abatement apparatus, said nozzle bore defining

an inlet portion extending from said non-circular inlet aperture,

a flow-dividing structure (240A, B, C) positioned downstream of said inlet portion and configured to separate said effluent gas stream into at least a pair of effluent gas streams and

an outlet portion extending to said outlet aperture and configured to convey said pair of effluent gas streams to said treatment chamber of said an abatement apparatus and characterised in that said inlet nozzle defines said nozzle bore as a single nozzle bore extending from said non-circular inlet aperture to said outlet aperture with said flow-dividing structure (240A, B, C) located therein and comprising a baffle (250) positioned upstream of said flow-dividing structure, said baffle defining a baffle aperture, said baffle aperture having a reduced cross-sectional area compared to that of said nozzle bore adjacent said baffle.

2. The inlet assembly of claim 1, wherein said flow-dividing structure (240A, B, C) is configured to separate said effluent gas stream into said pair of effluent gas streams flowing either side of said flow-dividing structure.

3. The inlet assembly of claim 1 or 2, wherein said flow-dividing structure (240A, B, C) is centrally located within said nozzle bore.

4. The inlet assembly of any preceding claim, wherein said flow-dividing structure (240A, B, C) is configured to separate said effluent gas stream into said pair of effluent gas streams flowing proximate a surface of said nozzle bore.

5. The inlet assembly of any preceding claim, wherein said inlet nozzle has a longitudinal length extending in a major direction of flow of said effluent stream and said flow-dividing structure (240A, B, C) reduces a cross-sectional area of said nozzle bore along said longitudinal axis.

6. The inlet assembly of claim 5, wherein said flow-dividing structure (240A, B, C) is positioned no closer to said non-circular inlet aperture than 20% of said longitudinal length.

7. The inlet assembly of any preceding claim, wherein said flow-dividing structure (240A, B, C) is shaped to present a surface orientated with a transverse component with respect to said longitudinal axis.

8. The inlet assembly of claim 7, wherein said surface is at least one of:
orientated by between 20º to 70º with respect to said longitudinal axis; and
at least one of planar and curved.

9. The inlet assembly of any one of claims 7 to 8, wherein said flow-dividing structure (240A, B, C) is shaped to present a pair of said surfaces mirrored about at least one of said longitudinal axis and a major and a minor axis of said nozzle bore extending transverse to said longitudinal axis.