6. A foam production unit as claimed in claim 5, wherein the means for controlling or restricting flow comprises a plurality of discrete elements within the chamber, wherein the discrete elements comprise a plurality of spherical members, and the discrete elements fill the mixing chamber to create a non-direct path between the inner pipe perforations and the outer pipe perforations thereby creating back pressure to create the liquid foam.

7. A foam production unit as claimed in claim 6, wherein the discrete elements only partially fill the chamber, therefore the discrete elements are free for movement in the chamber so as to mix liquid and oxygenated air in the chamber to enhance liquid foam production.

8. ~~A foam production unit as claimed in claim 1 or claim 2, wherein the chamber comprises a coaxial tube assembly with an elongated inner pipe with slots extending along its length and an elongated outer pipe which is coaxially arranged with the inner pipe and has slots extending along its length, and the means for controlling the flow is provided for controlling or restricting flow from the one or more inlets of oxygenated air and liquid to or through the coaxial tube assembly.~~

9. A foam production unit as claimed in claim 8, wherein the means for controlling the flow of mixed air and liquid through or from the chamber comprise a permeable material or member formed in an annular space located between the inner elongated pipe and the outer elongated pipe, wherein the permeable material comprises a solid foam, and the foam is a flexible open cell solid foam such as an organic foam.

10. A foam production unit as claimed in 9, wherein the permeable material is selectively compressed to vary its permeability and thus the foam production.

11. A foam production unit comprising a nozzle, wherein the nozzle comprises a housing to which liquid and oxygenated air are supplied, the housing having an outlet which is restricted by a solid permeable material, wherein the nozzle controls the flow of said oxygenated air and liquid through or from said foam production unit

6. A foam production unit as claimed in claim 5, wherein the means for controlling or restricting flow comprises a plurality of discrete elements within the chamber, wherein the discrete elements comprise a plurality of spherical members, and the discrete elements fill the mixing chamber to create a non-direct path between the inner pipe perforations and the outer pipe perforations thereby creating back pressure to create the liquid foam.

7. A foam production unit as claimed in claim 6, wherein the discrete elements only partially fill the chamber, therefore the discrete elements are free for movement in the chamber so as to mix liquid and oxygenated air in the chamber to enhance liquid foam production.

8. A foam production unit as claimed in claim 1 or claim 2, wherein the chamber comprises a coaxial tube assembly with an elongated and perforated inner pipe and an elongated outer pipe which is coaxially arranged with the inner pipe and has slots, and the means for controlling the flow is provided for controlling or restricting flow from the one or more inlets of oxygenated air and liquid to or through the coaxial tube assembly.

9. A foam production unit as claimed in claim 8, wherein the means for controlling the flow of mixed air and liquid through or from the chamber comprise a permeable material or member formed in an annular space located between the inner elongated pipe and the outer elongated pipe, wherein the permeable material comprises a solid foam, and the foam is a flexible open cell solid foam such as an organic foam.

10. A foam production unit as claimed in 9, wherein the permeable material is selectively compressed to vary its permeability and thus the foam production.

11. A foam production unit as claimed in any one of the preceding claims, further comprising a nozzle, wherein the nozzle comprises a housing to which liquid and oxygenated air are supplied, the housing having an outlet which is restricted by a solid permeable material, wherein the nozzle controls the flow of said oxygenated air and liquid through or from said foam production unit