

16. An on-line chemical analyzer as claimed in claim 3, wherein an amount of the reagent fluid injected into the mixing area is controlled via the length of time the compressible reservoir is under pressurization.

17. An on-line chemical analyzer as claimed in claim 3, further comprising a detector configured to detect an amount of the reagent fluid injected into the mixing area by measuring a concentration of a reference compound present in a combination of reagent fluid and sample fluid within the mixing area.

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