

Claims

1. Apparatus for metering free-flowing media or gases, characterized in that one or more metering rings with metering sites [11] provided in pipelines, tubular reactors or loop reactors are used, wherein said one or more metering rings comprises a peripheral distributor chamber.
5
2. Apparatus according to Claim 1, characterized in that any number of metering sites [11] are provided in the metering ring.
10
3. Apparatus according to Claim 1, characterized in that the metering sites can be implemented in a wide variety of different orientations and lengths.
15
4. Apparatus according to Claim 1, characterized in that the free-flowing media or gases are added via the metering sites at elevated pressure.
20
5. Apparatus according to Claim 1, characterized in that the temperature of the metering ring is controlled.
25
6. Use of the metering apparatus according to Claim 1 in chemical processes with rapid mixing operations.
7. Use of the metering apparatus according to Claim 5 for preparing methacrylamide from acetone cyanohydrin and sulphuric acid.
30
8. Use of the metering apparatus according to Claim 1 in oil and gas pipelines, and in drinking water, service water or wastewater conduits.
35