Generating Droplets Ultrasonically

**Piezo Products**

can offer you the following methods of generating droplets ultrasonically for your applications:

**Generation of capillary waves**
- lower frequency range from 20 kHz up to 500 kHz
- typical MMD for water is 30 μm at 100 kHz
- typical atomized volume ranges from 0.5 l/h to 1.5 l/h

**Cavitation**
- higher frequency range from 500 kHz up to 3 MHz
- typical MMD for water is 5 μm at 1.5 MHz
- typical atomized volume ranges from 10 μl/s to 0.5 l/h

**Atomization via holes (Mesh Atomizer)**
- the frequency does not directly determine the droplet diameter
- MMD depends on the diameter of the holes

Typical atomized volume ranges from 50 μl/s to 2.5 l/h

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