METAL



Dosing and proportional mixing of water-soluble oils

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Dosatron Solution

Incorporated in the water circuit, the Dosatron pump uses water pressure as its sole power source. Driven in this way, the Dosatron can dose the various types of additive directly in the water feed tanks of one or more conventional or NC machines. The precision and reliability of the Dosatron pump eliminate any risk of errors in the dosing and preparation of products such as emulsions and solutions. The pump is not sensitive to the inherent variations (pressure, flow-rate, temperature, intake height and viscosity) of a fluid.

Constant emphasis on quality at all stages in the manufacture of the pump, both with regard to the materials used and the test and inspection procedures applied, ensures an optimum response to the requirements of metalworking machine tool users.



- Improved tool life.
- Saving energy consumption.
- Better machining performance.
- Extension of the bath time.
- Easy to install, operate and maintain (no electrical risks).

DOSATRON ADVANTAGES

Hydraulic, volumetric and non-electric.

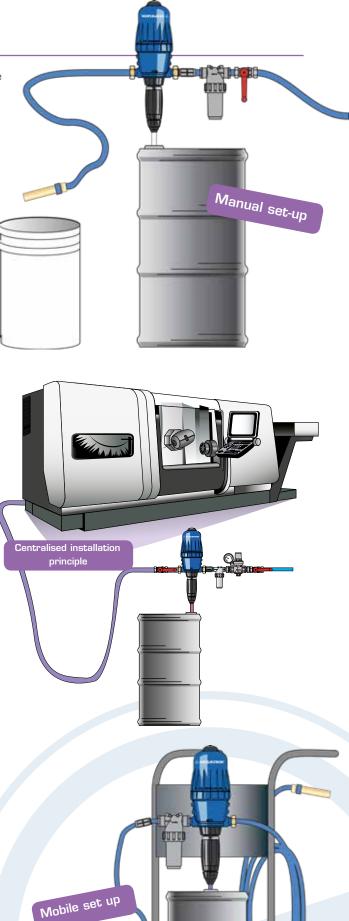
Dosing proportional to water flow-rate.

Excellent dosing repeatability and final solution homogeneity.

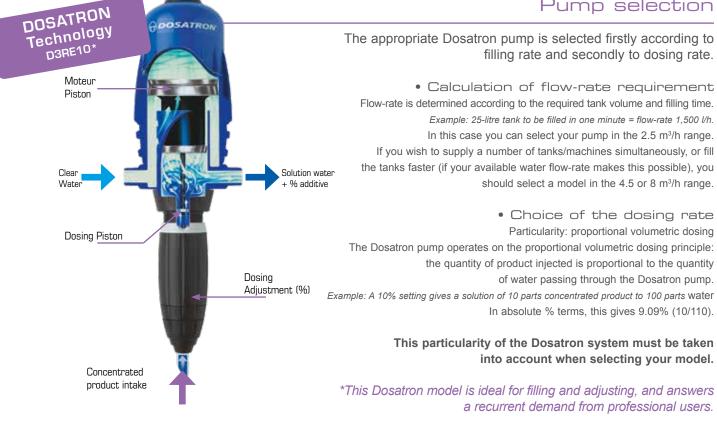
Emulsion delivered directly downstream by water power.

Easy dosing adjustment at any time.

Self-priming up to 4M.



Pump selection



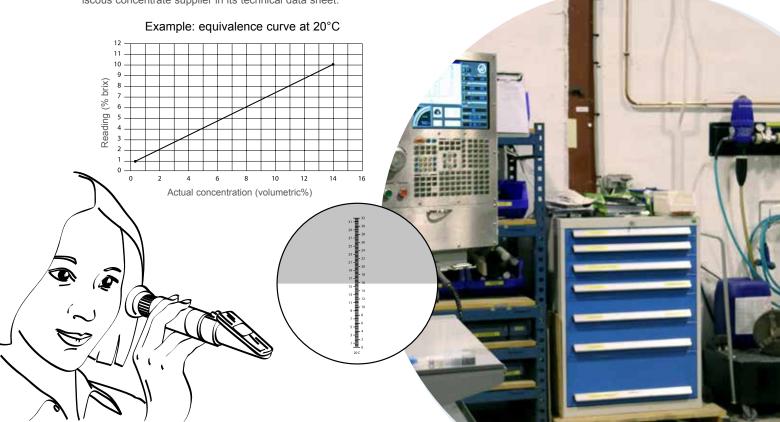
Recommendations for installation

- Installation and utilisation in a drinking water circuit demands compliance with national standards and regulations in force.
- The system must incorporate a stop valve or non-return valve upstream from the injection system, to avoid any risk of pollution of the water source.
- Include a 300 micron filter (50 mesh) up-stream from the dosing pump, according to supply water quality.
- The level in the dosing product container must never be higher than the pump (risk of siphoning).

Do you check your emulsion with a refractometer?

The initial % Brix readings given by your refractometer are not volumetric % values.

- Consequently, you must:
- either calibrate your refractometer,
- · or check the equivalence curve generally given by your oil or other
- iscous concentrate supplier in its technical data sheet.



METAL PROCESSING - Soluble oils



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