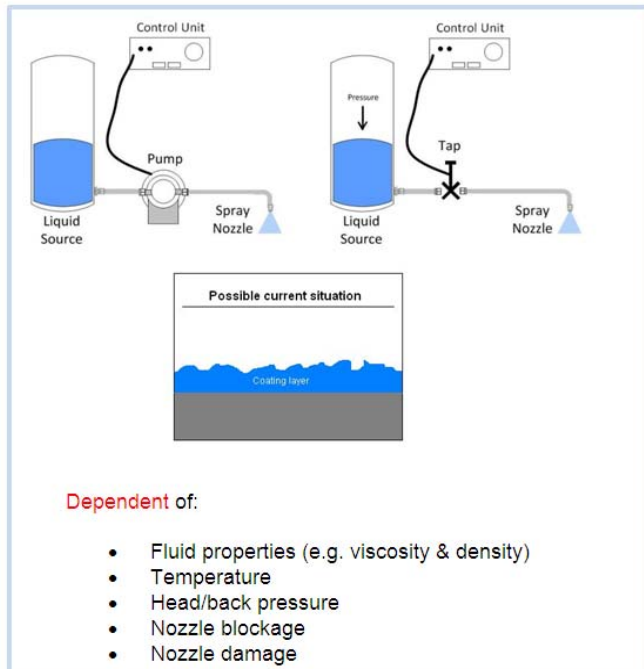
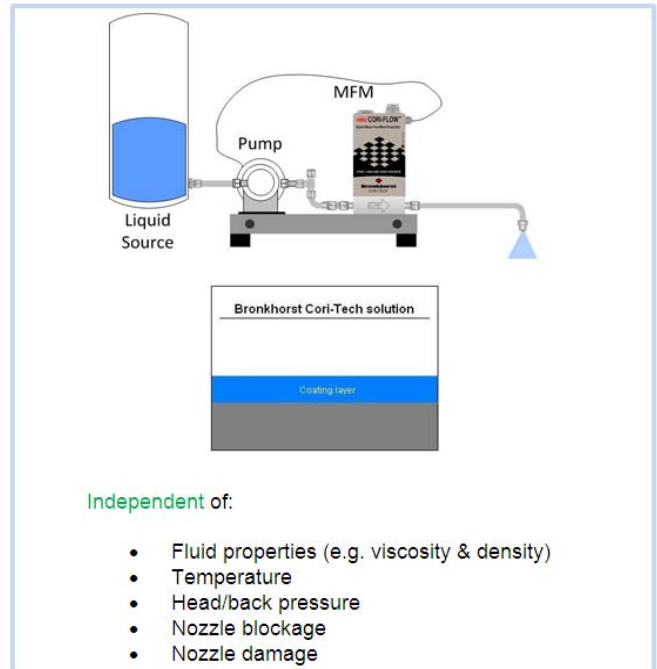


Spray coating using mass flow pumps

Possible current situation



New solution by Bronkhorst Cori-Tech



Bronkhorst Cori-Tech combines pumps with Coriolis meters. The pumps are directly (speed) controlled by the Coriolis instruments with integrated PID-controller, thus creating a mass flow pump with many advantages.

Bronkhorst Cori-Tech Mass Flow Pumps control flow very accurately with a smooth highly stable flow to a spraying nozzle, this results in a perfectly uniform coated layer.

Mass flow is constantly monitored by the Coriolis instrument & the integral PID control system is used to adjust the pump speed to maintain the desired flow.

In the current situation, the outlet flow may be affected by several external factors, since there is no sensor to detect and correct for these influences.

Your benefits:

- Real mass flow dosage instead of volume flow
- No (re)calibration needed due to the highly accurate Coriolis mass flow instrument, which behaves like a scale for flowing mass;
- Reduction of wasted fluid due to a very fast stabilization of the set flow rate;
- Continuous flow control or batch dosing using integrated totalizer;
- Direct flow control to the spraying nozzle;
- No external control unit required: the (mini) CORI-FLOW instruments with integrated PID-controller (and totalizer) can be programmed using free software tools or by industry standard bus systems.