



Application Spotlight

Process optimization
in painting technology

CLEANING OF PAINTING SYSTEMS EXACTLY TO THE POINT

Technical Data

Medium:	Solvent/detergent
Temperature:	+20 °C [68 °F]
Pressure:	12 bar [175 psi]
Measuring range:	0.8 up to 6 l/min
Viscosity at 20 °C:	1 mm ² /s
Density at 20 °C:	0.94 g/cm ³

Application

System providers for automated painting technology solutions offer their customers a complete supply chain, from initial consultation to the realization of the turnkey system solution and its maintenance. In doing so, they make use of the various measuring instruments from our portfolio. This way, processes can be simulated and optimized in advance in small test facilities, which can then be used for smooth project implementation and allow customers to achieve the highest quality and adherence to schedules during ongoing operations.

The application technology has a decisive influence on the investment and operating costs of a painting plant and should therefore be the focus from the very beginning when planning and designing a new plant. The highly efficient color change systems enable fast color changes with minimum paint losses. This also optimizes the consumption of rinsing agent and disposal costs can be reduced considerably.

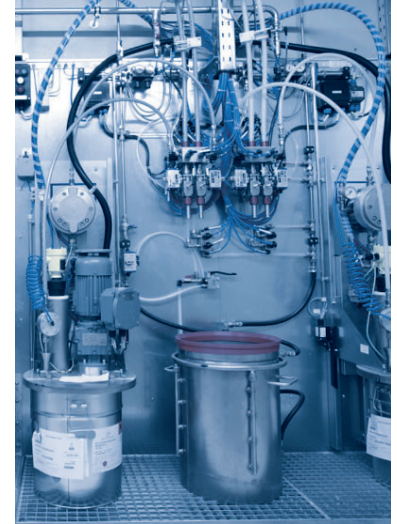
By measuring the detergent consumption, the end customer can save a lot of money. The exact amount of rinsing agent required to completely clean the paint system is crucial and should be precisely adjusted for each cleaning cycle. Too much detergent means unnecessary costs. Too little detergent, on the other hand, leads to paint residues in the line and thus to poor quality of the paint on the end product.

Solution

KEM Turbine Flow Meter (HM TC-R Series).

Advantages

- Short response times
- Very dynamic behaviour
- High measuring accuracy
- Excellent price-performance ratio
- Integrated electronics with explosion protection according to ATEX, IECEx and CSA



Certificates:

- Pressure Equipment Directive 97/23/EC, 2014/68/EU
- HPO - Certification
- Explosion protection according to 2014/34/EU
- CSA/UL - Certification
- Accreditation according to ISO 17025



KEM Turbine Flow Meter
(HM TC-R Series)