

## **S1.5.1 TESTING OF CLEANABLE FILTER MEDIA - STATUS AND PERSPECTIVES**

Peter Gäng, FilTEq GmbH

ISO 11057:2011 presents a flat sheet test method for the comparative characterization of pulse-jet cleanable filter media, to be used in filter elements (e.g. bag filters, pocket filters, cartridge filters) applied in dry gas cleaning under standardized test conditions. It comprises the main features of national standard VDI/DIN 3926 (Germany 1994 and 2004) and ASTM D6830-02 (USA 2008). It also replaces national standards of other ISO p-members such as JIS Z 8909-1 (Japan 2005) and GB/T 6719 (China 2009).

The reference rig in ISO 11057 is identical with the rigs defined in VDI3926 and ASTM D6830-02. The given set-up and test methods have been used worldwide for more than 20 years now.

There is a variety of reasons for using this testing method, such as research, quality control and marketing, by most major players in the filtration business.

The number of test-rigs around are not exactly know but FilTEq GmbH alone has delivered more than 50 installations worldwide.

Inevitably this lead to the question how reproducible and reliable the results are which are produced using this test method and requires the installation of calibration and maintenance routines.

This presentation is dealing with the measures to be taken in order to gain reliable and comparable result when using different test-rigs. It also gives an outlook on further developments for testing cleanable filters in the laboratory and in the field.