

S3.2.3 CAKE REMOVAL AND CLEANABILITY

Dominik Herper, GKD - Gebr. Kufferath AG

In a lot of applications the regeneration of the filter medium is economically and ecologically favorable. There are lots of filter media available on the market and each and every one of those will show different characteristics when it comes to cleanability. The prediction of cleaning behavior is therefore very vital for the design of a filter which should be backwashed. Latest developments and testing procedures with woven filter media show what the engineer has to keep in mind when constructing such a filtration system. Different woven filter media and their behavior regarding cleanability and performance will be presented and evaluated in this session. The considerations made will be supported by theoretical approaches and CFD simulation results.