

Technical Information

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Instructions for Acid Washing of KATEC Allmetal Catalysts

This treatment should only be carried out by customers in very special cases by sufficiently qualified personnel in accordance with the recommended safety regulations concerning the use of corrosive acids.

The catalyst element is first disassembled and the catalyst mats washed with water to remove dust and carbon deposits (please refer to water-washing instructions, which are described in Technical Information No. 9).

An acid-resistant trough, large enough to hold the catalyst mats is charged with the acid mixture in the following order:

1. 180 parts by volume water
2. 15,8 parts by volume of chemically pure nitric acid
60/62 % w/w S.G. 1,38
3. 1,58 parts by volume of chemically pure hydrochlorid
acid 36 % w/w S.G. 1,19

Heat the acid mixture to 40 °C. The catalyst mat has to be submerged in the warm acid mixture and washed by moving gently in the mixture for 1 – 2 minutes, ensuring that the complete catalyst surface comes into contact with the washing mixture. Remove the catalyst mat, drain, and rinse the mat twice from each side with a smooth stream of cold water (use no pressure).

Submerge the mat in a tank of cold water for approximately 10 minutes.

Dry the mat in a warm room or with hot air.

Re-assemble the mats to give again an element ready for installation.