

■ FCC Metallic Bellows

Fluid catalytic cracking is the most important conversion process used in petroleum refineries. In this kind of plant, the requirements for expansion joints usually are influenced by high temperatures, large movement conditions and high pressures, in combination with strongly acidic medium, requiring specific metals to be used. Various chloride and sulphur concentrations can lead to corrosion and pitting of stainless steels.

Inappropriate expansion joint types will result in unnecessary stress and cracking due to corrosion. DEKOMTE has developed metal expansion joint solutions especially for these requirements.

We use different nickel-chromium alloys and nickel-molybdenum alloys, which are good solutions to meet the mentioned requirements.

DEKOMTE FCC metallic bellows can be produced for several sizes and in accordance to customer's specifications.

Besides designing complete solutions, DEKOMTE also is able to make inspections of installed systems and produce and change only the bellows if necessary.



FCC Metallic Bellows

Inspection of an assembled metal expansion joint, made for FCC-plants



Cross section with different layers of refractory

