

# Introduction of F-9060 The Latest Generation Membrane

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## ABSTRACT

Energy conservation is an extremely important issue in the chlor-alkali industry, which is one of the energy-intensive industries.

In addition, improving the performance of ion exchange membranes can contribute not only to the economy but also to the environment in response to recent efforts towards a decarbonized society.

The latest low-voltage ion exchange membrane, F-9060, developed by AGC, has achieved a reduction in electrolysis voltage of approximately 40mV (6kA/m<sup>2</sup>) compared to the conventional membrane, F-9010, and it has started to be adopted in plants worldwide since its release in 2023.

In this presentation, AGC introduces the membrane design concept and various features of F-9060.

### Keywords:

Membrane, innovation, sustainability