

# B-e-5 Eco-Friendly Product: HORIBA STEC, Co., Ltd.

Environment

## Eco-Friendly Product Developed by HORIBA STEC, Co., Ltd.

### Mass Flow Module SEC-Z700X

The mass flow controller (MFC) controls the flow of fluids used in systems such as semiconductor production equipment. In a gas supply system that uses several MFCs, a change in the flow of fluids for one MFC causes fluid pressure to fluctuate, adversely affecting the controllability of other MFCs. For this reason, customers usually install a pressure regulator in front of their MFCs.

One aspect of SEC-Z700X's environmentally friendly design is its combination of an MFC and pressure sensor into a single module in order to prevent the flow control system from being easily affected by pressure fluctuations caused by pressure signal feedback to the system. This eliminates the need for a pressure regulator and pressure gauge, both essential components of conventional gas supply systems. Through this innovation, HORIBA STEC has substantially reduced the size and weight of SEC-Z700X.

In the future, we expect that demand for SEC-Z700X will increase rapidly and that this device will contribute to industries such as those using semiconductor production equipment as they strive to reduce their environmental impact.

