

Abstract

Intake-exhaust unit and double skin system using the same

Provided is an intake-exhaust unit that easily controls the flow of air in an intermediate cavity of a double skin structure window glass, and a double skin system using the same.

The intake-exhaust unit is comprised of:

a first distribution port of passage of the air;

a second distribution port of passage of the air, the second distribution port being separated from the first distribution port;

a third distribution port of passage of the air, the third distribution port being separated from the first distribution port and the second distribution port;

a fan for sending out the sucked air;

a negative-pressure passage provided on the air-sucking side of the fan, the negative-pressure passage having intake holes that communicates with the first, the second, and the third distribution ports; and

a positive-pressure passage provided on the air exhausting side of the fan, the positive-pressure passage having an exhaust hole that communicates with the first, the second, and the third distribution ports,

wherein

the air is sucked from any of the first, the second, and the third distribution ports; and

the air is exhausted from any of the distribution port other than the port in use for sucking the air among the first, the second, and the third distribution ports.

[Figure 1]