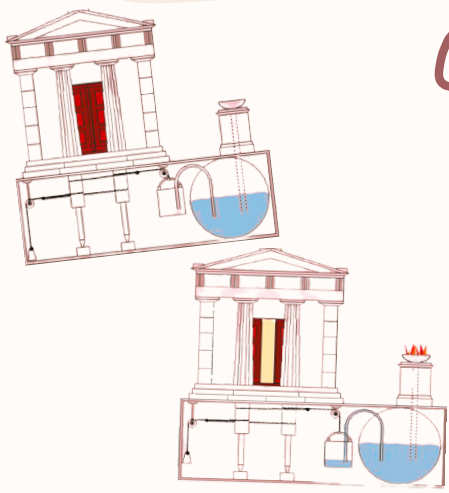


8 FUN FACTS ABOUT AUTOMATIC DOORS



1

GREEK DESIGN

The automatic door was originally invented by the Greeks by mathematician, Heron of Alexandria. The invention was used for temple doors with the intention the door would open automatically when a fire was lit and close when it was not.

AMERICAN REINVENTION

Later, the design was reinvented by Horace H. Raymond and Sheldon S. Roby in 1931. The automatic doors designed were first actually designed for waiters and waitresses carrying food in and out of the kitchen at the Wilcox's Pier Restaurant.



2



TECHNOLOGY

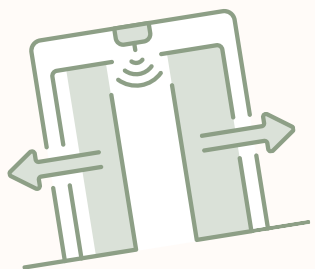
In 1931, automatic doors were designed with a photoelectric eye that detected a person's approach. Now, automatic doors operate with motion-detecting sensors either using microwave pulses or passive infrared sensors that detect motion.

RECLAIMED INTENTIONS

Due to automatic doors being able to open without hands, they offer tremendous convenience for people in countless situations such as people pushing a cart or holding items in both hands. Most importantly, automatic doors are wheelchair accessible.



4



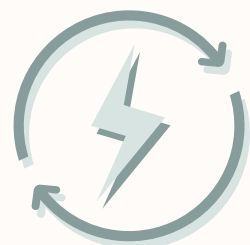
5

WHO USES THESE DOORS NOW?

Now, we see automatic doors everywhere from hospitals and schools to hotels and offices. Often used for commercial, industrial and residential uses.

STRENGTHS

Automatic doors are often a convenience that most do not realize. They have many advantages including: energy efficiency, enhanced accessibility, convenience, sustainability, etc.



6



WEAKNESS

Though these doors are generally beneficial, they can also raise concerns such as unexpected door closures, detection failure, security vulnerabilities, and electrical failure. For companies, the need for regular maintenance is expensive.

HYGIENE BENEFITS

Lastly, automatic doors offer hands-free operation. This is most optimal for hospitals and food factories where sanitation is essential. Automatic door can also prevent dust entry when equipped with an air-tight function.



8