

SMART 150

Affordable and accurate gas filling



The HELANTEC SMART 150 has been developed for an economical gas filling process. The capacity is approximately 200 units per shift.

The filling technology is based on extrusion, a conventional filling method. In this category the SMART 150 fills fast and reliably because of its advanced technology.

Gas concentration is measured online by an internal gas analyzer at the filling process. The filling process stops automatically as soon as the adjusted gas concentration is measured.

This gas filling machine is usable for all types of gas and mixtures which are used for IG units (argon, krypton, SF6, etc.). Adjustment of gas concentration is done manually by a rotary switch.

SMART 150 Specifications

For gas filling in the production process for any gas types and gas mixtures

Filling-lines: 1

Capacity: Up to 200 units per shift

Technology microprocessor controlled

Modular construction

Filling speed is fixed to approximately 9 liters/minute argon filling

Pump: 1 to take analysis samples and increase speed

1 particle filter installed outside and easily

Concentration measurement is online with special integrated analyzer

Concentration display is online with LEDs

Stop of filling process is automatically as soon as the adjusted gas concentration is reached (factory made and adjustable between 70% and 100%)

Calibration of the analyzer is semi-automatic with calibration mode

Accuracy of analyzer is better than 2% abs.

Gas input pressure: 45 psi

Gas input pressure control is optical and acoustic (if bottle pressure < 15 psi)

Power supply 110-230V /50-60Hz

Dimension: 11 x 13 x 7 inches

Weight: 11 pounds

Special accessories are available for special applications

Learn more

Discover how the comprehensive lineup of Helantec and OptiGas gas filling and testing systems can advance your business. Contact Ryan McHugh of Integrated Automation Systems at 330.954.3070 or ryan@optigas.com.

Discover how to get your units to R-5 for less

You can combine coatings, gas mixtures and other factors to squeeze more insulating value into your units, even reaching R-5 and other competitive thermal targets, at lower costs than you might have thought possible. Get your copy of "Thermal Optimization of Residential Windows" on our [website](#) or by contacting Ryan McHugh at 330.954.3070 or ryan@optigas.com.

