Gammaflux®

# G25 New! Hot Runner Temperature Controller

### Incredibly Precise
Responds to temperature deviations as small as 0.03 °F

### Ready in Just a Few Steps
With the improved Mold Wizard assistant and the new intelligent materials database

### Ultra-Fast Response For Shortest Cycle Times
Analyzes temperature 20 times per second

### No Downtime Risks
Real-time leak detection and complete traceability of mold history

### Comprehensive Cybersecurity
For seamless network integration with OPC/UA

## Why is the display now in portrait mode?

So that all key elements are visible at once – including the on-screen keyboard and about 80% of the content needed for daily operation. Of course, the landscape format can also be displayed if desired. The new interface is lightning fast – with just one click, all main functions are instantly accessible. Mold Editor and Mold Doctor have been completely streamlined – more intuitive than ever before!

## Why is the unique Gammaflux PIDD algorithm so essential?

It ensures constant and highly precise temperature control – leading to improved part quality, tighter tolerances, reduced material usage, and shorter cycle times.
The G25 monitors temperature 20 times per second and reacts to deviations as small as 0.03 °F / 0.014 °C from the setpoint. At the same time, phase angle firing protects the heating elements and extends their service life by up to 80% compared to time proportional control.


## Full Web Integration

The controller can now be operated via a modern web interface on any browser. Thanks to the OPC-UA interface, it can be directly integrated into injection molding machines – without needing to operate the separate control panel. Setpoints and process data can easily be transferred to external systems via API.

## An error appears – time to call in the Mold Doctor!

The proven Mold Doctor analyzes the root cause step by step – from wiring to production data. It dives deep and doesn't stop until the issue is found.

## Industry-First: The Materials Database

The enhanced setup assistant now includes a built-in database with thousands of materials and predefined setpoints – ready to use instantly.
Custom materials? Easily create, save, and transfer them to other controllers. Get molds up and running in no time!

www.gammaflux.com/g25

G25

Specifications:
Operating System: Linux
OPC-UA Interface: According to Euromap 82.2
Up to 192 zones per housing
Total of up to 500 controllable zones
(in 2-zone increments)
Temperature range: 0–500 °C
Ambient temperature range: 0–50 °C

## Production History – Accessible at any Time

It's new! The G25 records key process data, such as the behavior of individual nozzles or power consumption, user oerations or alarms in an integrated database.

Gammaflux®