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.

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