



# Controller IRIS

## Features

- Digital intelligence
- Flexible connectivity
- Simple and intuitive operation
- Everything at a glance

## Main Features

- Modular, extendable design
- Control voltage of 24 V DC
- Intuitive 7" touch-screen interface for seamless user interaction
- Three user levels with configurable password protection
- Automatic actions for common operations (e.g. mould evacuation, end of shift)
- User-defined time-resolved recipes
- Custom-engineered adaptive control algorithms
- Flexible timer functionality (coming soon)
- Down- and upload of controller configuration (coming soon)

## Data Availability

- Expressive list of messages (informations, warnings, errors)
- Visualisation of time-resolved recipes (preview and live)
- Live visualisation of sensor data (coming soon)
- Downloadable data and error logs (coming soon)

## Focus on Energy Efficiency

- Pump power on demand by full integration of variable-frequency drive in control logic
- Three pump-control modes to fit every demand
- Intelligent, coordinated heating and cooling
- Dedicated energy-monitoring screen with resettable counters (coming soon)

## Localisation

- Physical units, date format, and accessibility features freely configurable
- Languages: EN, DE, FR, IT, ES

## Interfaces and protocols

### EtherNet

- OPC-UA (coming soon)
- REST API (HTTP) (coming soon)
- WLAN (coming soon)
- Remote UI (screen as on controller) (coming soon)

### USB

- Firmware update
- Download of error and data logs (coming soon)

### Other interfaces require an extension module:

#### I/O Module 1

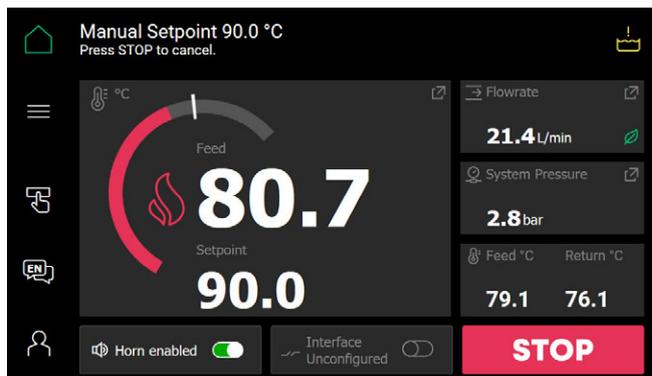
CAN, RS-485, RS-232, Current Loop

#### I/O Module 2

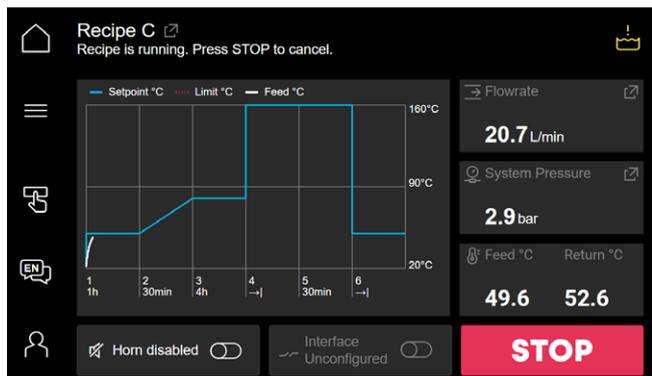
Profibus, Profinet, EtherNet/IP

#### I/O Module 3 (coming soon)

Digital inputs (24 V DC) and outputs (up to 230 V)  
Analogue inputs and outputs (0-10 V, 0/4-20 mA)  
External temperature measurement: all thermocouple types and Pt resistors (up to 4-wire)



Main screen: Clear and intuitive.



Live visualisation of time-resolved recipe.