

# VPC

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## Vacuum Process Control



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### Makes the vacuum process visible – Avoids manufacturing and system problems

Our vacuum process control system (VPC) makes sequences in the vacuum process visible. Sensors supply data for each section on parameters such as the duration of the vacuum cycles, the increase or decrease in pressure, the maximum value and the response times of the vacuum valves. This data is visualised practically in real time on the operator terminal. The operator thus keeps a constant eye on the functionality and wear of the valves, filters and blow mould. In the event of deviations, they can react quickly and correct any malfunctions

before they result in defects, without having to interrupt operation.

The VPC is available as an option for all IS machines equipped with our proven FMT24S machine control system. It can be retrofitted to existing equipment without any problem. The VCS is implemented seamlessly into the FMT24S's OT software. The VPC can additionally be supplied in a standalone version for integration into the control infrastructure of other manufacturers.

Our vacuum control system ships with a control unit, a splitter box together with the necessary pressure sensors and a matching cable harness.

### Most important features

- Suitable for retrofitting to any machine model
- Integration into the operating data menu of the FMT24S
- Built-in alarm and event reports
- Blow mould vacuum monitored separately for each section
- Central monitoring of the vacuum supply pressure
- Visualises all sequences in the vacuum process
- Detects the wear condition of components

### Benefits

- Avoids manufacturing and system problems
- Unified control and job database management via the FMT24S interface
- Also available in a standalone version with a separate HMI for any standard IS machine control system
- Optimised production and productivity

### Technical data

Power supply tolerance	± 5%
Control electronics	Bucher Automation JetControl 350
Drive-to-PC interface	Ethernet
Ambient temperature with air conditioning	Max. 25°C
Relative humidity	Max. 80%

### Integration into FMT24S

Dimensions (W x D x H)	320 x 50 x 130 mm
Weight	Approx. 2 kg
Total connected load	100 W
Power supply	24 VDC
Drive-to-PC interface	Ethernet
Operation	Integrated into FMT24S

### Standalone

Dimensions (W x D x H)	500 x 210 x 500 mm
Weight	Approx. 5 kg
Total connected load	1000 W
Power supply	100-120/200-240 VAC, 50/60 Hz
Drive-to-PC interface	Ethernet
Operation	OT-PC software

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