



AIF S.L.

AUTOMATION IN FOUNDRIES



FLOW CONTROL SYSTEM

FlowControl

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FlowControl allows to enhance and expand the mould lifetime, to optimize the flow consumption and control the whole manufacturing process.

The Flow Control versions have 2 circuits which can be upgraded up to 4.



FCD-1100 allows to control the product flow used in each lube cycle. By using a flow meter at each spraying line, it is possible to find out the consumed lube quantity. Furthermore, FCD-1100 allows not only to view the consumed lube quantity but also to warn about a consumption failure by excess or shortage.

These limit values can be set easily by the customer.

Flow control can be used at each type of mould lubrication machinery. Its setting-up is very easy since we have just to insert our system between the lubricating device and the lube tank.

Characteristics of the system FCD-1100

- Control by Siemens PLC.
- Display and control of data on screen monochrome.
- **EtherNet connection for extraction of data via web.**
- **Record of data of the last cycles in .csv format (Excel).**
- Warning message when the values are out of range.
- Send external alarm signal.

Characteristics of the flow meters:

- Measured range max: 0-50 l/min
- Response time: <150ms
- Accuracy: 0.01
- Viscosity: <70mm² / s at 40°C
- Conductivity: >20uS/cm



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