

**AMP  
Control**

# Peristaltic Metering Pump

The AMP CONTROL combines the properties of peristaltic pumps with metering latest technology.

The new metering pump AMP CONTROL adds an intelligent peristaltic pump to the Boyser portfolio.

The new generation of peristaltic metering pumps is now controlled electronically. It meters **without the need for a valve, with precision**, hitherto, impossible.

All the benefits of a peristaltic pump are retained, which is why **abrasive, high-viscosity, seriously gaseous or shear-sensitive fluids, sometimes containing solids**, can also be perfectly metered with the AMP CONTROL.

The hose replacement on the AMP CONTROL is assisted by the pump. When the hose needs to be

changed, the pump displays exact instructions for the steps to be followed and automatically moves into the correct positions for hose replacement. The different hose materials (NR, NBR, NBR-A, EPDM, Hypalon) enable the AMP CONTROL to **work with a very wide range of media to be metered**.

The peristaltic pump AMP CONTROL is simple to operate from the **intuitive user interface** with 4 keys and the click wheel.

The new peristaltic metering pump is **fully connectible and controllable** by several operation options.



## 1 MAIN FEATURES

- Wide range of 5,1 to 410 l/h.
- Easy adjustment of the dosing rate in l/h, ml/h or gal/h.
- Direct flow reading in the digital display.
- Batch Application: In volume or in time.
- Integrated calendar for function automation.
- Calibration function.
- Alarm for hose replacement (preventive maintenance).
- Several control options: 0/4-20 mA, contact control, integrated timer.
- Connection to process control systems via BUS (PROFIBUS, Profinet, CANbus).
- 3 configurable inputs and outputs: used as signal relays or as trigger for timer programs.
- Chemical version (Halar E-CTFE coated) available for corrosive products.

## 2 MAIN BENEFITS

- Simple, menu-guided hose change.
- Suitable for abrasive, highly viscous, very gaseous media or sensitive media.
- High-precision dosing.
- Many different control options, such as using an analogue 0/4-20 mA signal, contact controller, timer or via process control systems.
- Reversible direction of rotation.

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## 3 APPLICATION

- Mining
- Potable water and waste water treatment
- Chemical industry
- Paper industry
- Food and beverage industry
- All industrial applications, either as a stand-alone unit or integrated in a complete system.



## 4 TECHNICAL DATA

Type	Maximum back pressure bar	Pump capacity	Max. speed rpm	Suction lift m WC	Intake head m WC	Shipping weight Kg
08410	8	410 ml/h $\pm$ 10%	80	9	9	30
04410	4	410 ml/h $\pm$ 10%	80	9	9	30
02410	2	410 ml/h $\pm$ 10%	80	9	9	30

<b>Hose material:</b>	NR, NBR, EPDM, NBR-A, Hypalon
<b>Self-priming:</b>	Up to 8 m
<b>Rollers/shoes:</b>	Rollers
<b>Metering reproducibility:</b>	$\pm$ 2% with retracted hose after 500 revolutions
<b>Electrical connection:</b>	100 - 230 V $\pm$ 10%, 50/60 Hz
<b>Electrical power consumption:</b>	Max. 400 W
<b>Degree of protection:</b>	IP 55
<b>Permissible ambient temperature:</b>	0 ... 45 °C

All data refers to water at 20 °C.

