

Let's batch!

Transferring a specified volume of liquid with an AODD pump is now very easy and precise.

Electronic Batch Controller is an **automation unit** designed to perform a **batching process**. Working together with Tapflo diaphragm pumps, it allows transferring **almost every liquid**. By counting and summarizing **strokes of a pump**, we reach the precision of 60 ml per batch (by using TR 20 pump size).

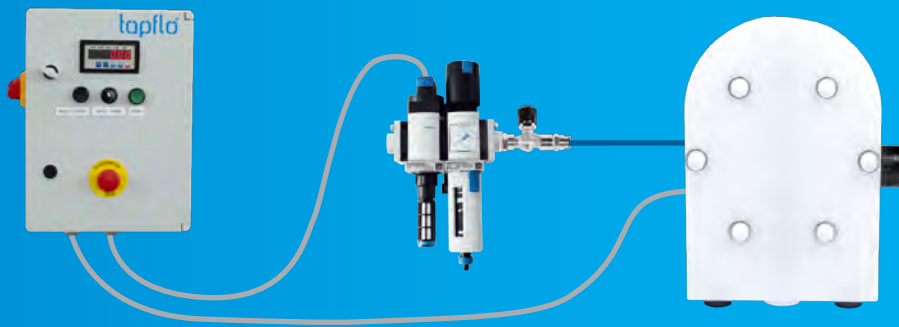


Working principle

With **every stroke** of a pump, there is a signal sent from the **inductive sensor** (-5 C or -5 CF option in pump configuration). Each signal is received and **summarized by the controller**. The volume of liquid pumped per stroke is preset.

Operation starts by **setting the batch volume** and pushing the **START button**. The **pump will operate** until reaching the **desired volume of the pumped liquid**. At that moment **controller will stop the pump air supply** by switching off the **solenoid valve**.

The next batch is simply started by pushing the **START button again**. The pump can also be switched into **Manual Mode** where the **START button** is pressed **to keep the pump in operation**.



Electronic Batch Controller

Solenoid valve,
air filter-regulator, needle valve

Diaphragm pump
with a stroke sensor

Technical data

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|-------------------------------|---|
| Functions: | Batching; Progress indication; Totalizer for maintenance |
| Electrical components: | Microprocessor controller; Main switch (ON/OFF); Circuit breaker; E STOP; Cabling (5 metres) |
| Power supply: | 220-230V AC; 50-60 Hz |
| Ingress protection: | IP65 |
| Dimensions: | 400x300x195 mm |
| Material of the cover: | ABS plastic, grey |

*Batching precision will depend on the pumped liquid properties.