EB11

"Easybatch" Batch Controller

FLOMEC®

FREQUENTLY ASKED QUESTIONS

Q Do I need single or dual stage batch control?

A Single stage batch control describes control systems that use a single valve, typically on 40 mm and smaller pipes and/or lines. For 50 mm lines a smaller bypass line is used to provide fine control at the end of the batch; the larger line shuts off first with final flow being added through the smaller line. It also allows a slower operating valve on the main line and less hydraulic shock through the pipe on closure.

Q Do I need power to the batch controller?

A The EB11 needs 10-30 Volts. Solenoid valves up to 24v/7.2w can have a common voltage source to the EB11. See design guide for more information.

Q How do I choose that right solenoid for my system?

A The choice of solenoid depends on a variety of specifications. The voltage, the pipe size, the pressure in the line, the chemical compatibility, the close rate and whether the valve is normally open or normally closed. The power rating is important to determine whether a mechanical relay is required between the EB11 and the solenoid, the maximum rating for a solenoid that can be wired directly to the output of the EB11 is 7.2 watts at 24v DC. See our design guide for more information on solenoid selection.

Q Can I pause the batch?

A The batch volume can be paused and restarted at any time with the touch of a button.

Q Can I set multiple batch totals?

A The EB11 can only be set for a single batch volume at a time. However, the batch setting can be easily altered up and down with a few button presses.

Q Can I use the batch controller to start and stop a pump?

A The EB11 can be used to turn on and off a pump using a mechanical relay between the EB11 and the pump. The more accepted and accurate method is to use an automatic valve to shut off flow. This method has a faster response and gives more repeatable batch volumes.

Q Can the EB11 be used in areas containing flammable liquids such as unleaded petrol or alcohol?

A No. The EB11 can only be used in areas where there is no risk of igniting an explosive gas or dust atmosphere e.g. petrol, solvents, alcohols. For batching in hazardous areas containing flammable liquids, refer to the design guide for more information on the F130 Batch Controller.