

Step by step solenoid control valve Mod. XLC 453



The CSA XLC 453 step by step solenoid control valve, usually installed in combination with a PLC or managed directly from the remote monitoring system, will perform a regulation in response to the signals sent to the solenoid valves. Thanks to a CSA needle valve the reaction time can be adjusted to prevent water hammer effects, during the modulating/closing phase. The valve, as shown in the picture, can be supplied with an additional circuit for emergency situations of manual opening and closing.

Installation lay-out

The picture below shows the CSA XLC 453 installed in combination with a flow meter and linked to CSA PLC. The latter will constantly send impulses to the valve's solenoids to make it throttle as required. The purpose is to maintain the same flow regardless of pressure variations, or obtain a pressure management according to variations in demand to reduced water loss and leakage. Another common application of XLC 453 is to regulate the water level of tanks, where the PLC is connected to sensors.

