



Flow regulation valve with minimum-maximum level control Mod. XLC 334/434

The CSA Model XLC 334/434 is a globe pattern hydraulically operated automatic control valve that controls the minimum and maximum level of a tank limiting, at the same time, the maximum flow to a requested value regardless of pressure variations.

Normal equipped with visual position indicator and made in ductile cast iron with FBT (fluid bed technology) epoxy coating and stainless steel, the valve reduces head loss, throttling noise and cavitation damage. An orifice plate assembly, needed for the proper functioning, is supplied with the valve.

Applications

- On the outlet supply of storage tanks or downstream booster pump stations to control the maximum flow and limit the level within the required values.
- On the rooftop reservoirs as hydraulic back up for level control to avoid overflow.
- On the inlet supply line of storage tanks to control the level and avoid excess in flow during opening.

Accessories

- Linear position transmitter with 4-20 mA output Mod. CSA CSPL.
- On-off position transmitter Mod. CSA CSPO.
- Pressure measurement kit.
- Self-flushing and high capacity filter.

Note to the engineer

- CSA anti-cavitation low flow stability plugs are recommended to provide an accurate regulation in case of low flow conditions.
- For the best accuracy leave 5 DN between the valve and the orifice plate and 3 DN downstream of it.

Additional features

- XLC 334/434-FR minimum and maximum flow level control valve with back flow prevention system.
- XLC 334/434-5 minimum and maximum level control valve with solenoid.

Working conditions

- Fluid: treated water.
- Minimum operating pressure: 1,2 bar.
- Maximum operating pressure: 16 bar.
- Recommended working pressure: 6 bar. Higher on request.
- Maximum temperature: 70°C.

Flow rate control pilot adjustment range

- The orifice plate assembly is calculated and machined according to the maximum flow rate. An adjustment range of the value is possible according to the regulation flow chart supplied with the valve.

Min.-max. level control pilot adjustment range

- Between 0,2 and 4 meters.

