CSA Direct acting pressure balanced pressure reducing valves are used in a wide range of applications going from water distribution systems, industry, irrigation, buildings, and more. Their main function is to reduce and maintain a downstream pressure to a preset and adjustable value regardless of upstream pressure variations. Compared to other solution designed for the same task, such as pilot operated control valves, there are several technical advantages of CSA pressure reducers. Besides the user friendly design, which makes them easier to use and to be understood by field technicians, probably the most important benefit is their capacity of maintaining the downstream pressure value even in case of rapid maneuvers, such as level control applications or draw off for industrial process. In both cases we have to deal with a sudden change in flow rate leading to rapid increase in pressure, solutions with pilots and circuits won’t be able to do the required job because of the hydraulic inertia and the time gap between the pilot response and the main valve itself. Therefore in addition to an increase safety and better performance the risk of possible water hammer due to rapid closures, frequent on control valves with on-off regulation like level control, will be avoided. Finally it is important to point out that the pressure reduction ratio of CSA direct acting VRCD, and their resistance to cavitation, is higher than any other automatic control valves meaning a reduced maintenance and higher reliability. Pictures shows a good installation where a direct acting CSA pressure reducer is located upstream a level control valve, either a mechanical ball CSA float valve ATHENA or CSA pilot operated level control valve XLC 440.