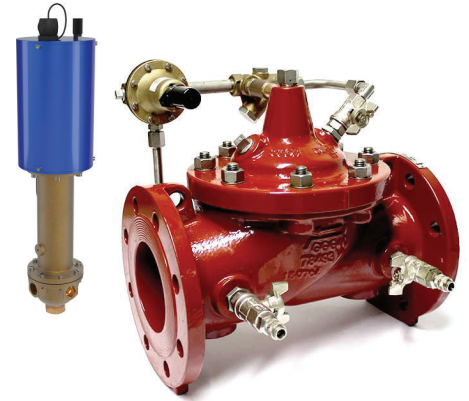


Case Study

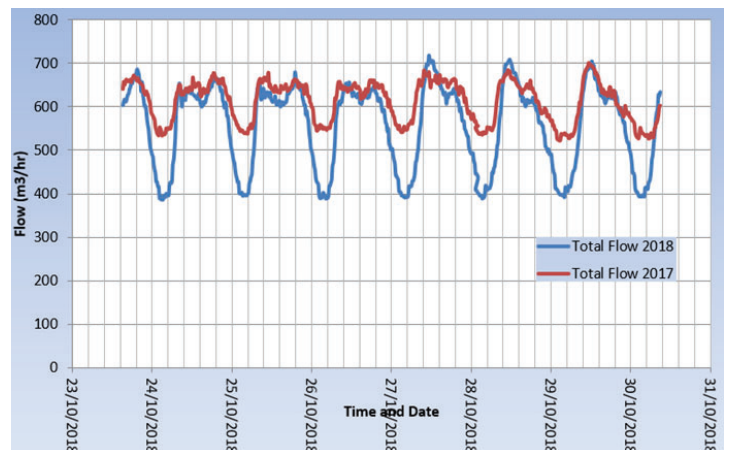
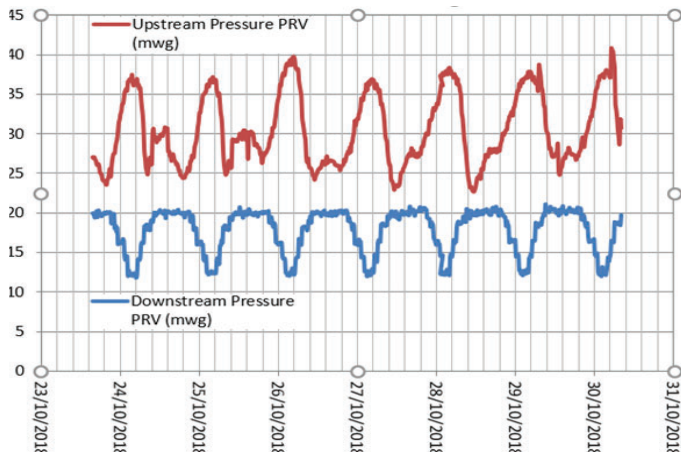
Pressure Control | Belcamp Park



Project: Pressure Control, Belcamp Park DMA
Product: CLA-VAL pressure reduction valve, e-Drive Pilot

Pressure Control | Belcamp Park DMA...

Effective pressure management is the quickest, most cost effective and quantifiable method of reducing consumption and UFW numbers in a water network. This is particularly true for aging water networks in need of significant upgrade works where leakage figures are excessively high. It is also true in areas where there is a high population density and consumption level. With a range of pressure management solutions, IPL group routinely size and supply PRVs that can be set either with fixed outlet pressure or with modulating outlet pressure where the modulating outlet pressure can be flow based, time based or based on critical-point feedback (closed loop) which is a reliable option and accurate when working in conjunction with the PRV's own pressure adjustment pilot system. At Belcamp Park DMA, Dublin City Council installed a 400mm Cla-Val PRV with a remote located e-Drive pilot system into the 600mm watermain. The Cla-Val pilot system has dual pressure control (manual & electronic) and can either shut the valve completely or vent the control area allowing the valve to go 100% open. The recorded mains pressure depending on demand, varied between approximately 25MWG and 40MWG prior to pressure control. With the use of time-based pressure modulation, the pressure is now maintained between 12MWG and 20MWG and can be remotely varied if required. The valve can also be fully closed/opened remotely. It is estimated that the savings achieved at Belcamp DMA are better than 1500M3/day and could be as high as 2500M3/day.



Further information on CLA-VAL valves including kiosk installation is available from IPL group. Measurements and weights are approximate. The designs are the property of Innovative Products Ltd (IPL group) and may not be reproduced without express permission. Innovative Products reserve the right to amend specifications or to withdraw models without prior notice. © May 2021.

