



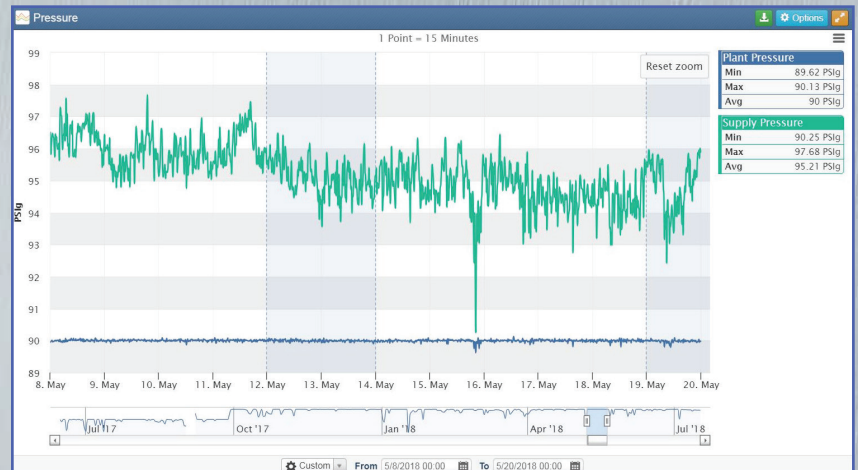
WORLD LEADER IN COMPRESSED AIR AUTOMATION SINCE 1992

CAM Demand Expander™

When conducting an energy audit at your facility, we always recommend looking at the big picture of energy use. Properly controlling the distribution network for compressed air is a must for the system to operate at peak efficiency. If the system, valves, dryers and distribution network are not properly sized, target efficiencies will never be met.

The CAM Demand Expander™ is a low-loss, high-accuracy pressure control valve station that isolates the plant from the trim compressor supply while still providing stable plant pressure (typically +/- 0.5 psi or better).

It allows your plant to receive a consistent compressed air utility, regardless of the supply conditions. Plants equipped with the CAM Demand Expander™ can take compressors out of service or utilize various optimized combinations of compressors with no noticeable change.



Why the CAM Demand Expander™?

The CAM Demand Expander™ separates the supply-side trim compressors from the demand-side and base compressors, allowing for the expansion of compressed air from storage to the system with a minimum loss of energy. As pressure is lowered in the piping system, all unregulated flows and leaks, and the pressure dew point are reduced.

The results are a consistently lower plant air pressure, a lower monthly utility bill, and improved operational productivity.

The CAM Demand Expander™ is designed for minimal initial to pilot pressure, as opposed to regulators that typically require 10x as much Delta pressure. It is a precise control device that has a control and response sensitivity within tenths of a psig. Using a CAM Demand Expander™ allows storage to be maintained in the upstream supply system for handling variations in demand, rather than utilizing online compressor power.

It can be controlled either locally or directly from the CAMLink™ compressed air system automation controls.

