

The TAQA PulseEight Wireless, Intelligent suite of completions tools enable an agile completions approach, providing systems that respond to the changing dynamics of the reservoir during production and injection.

Secure Your Well

PulseEight Secure offers an API qualified, smart method to regain well control with less of the constraints associated with traditional technology even when the loss is due to control line failure. Simple to install, the tool senses the changes in flow that signal loss of surface containment or emergency shut down and takes immediate remedial action. The self-monitoring device also uses Fluid Harmonics to send a daily health-check wirelessly back to surface to confirm its operational and battery life status, removing the uncertainty linked to traditional tooling.

Improve Recovery with Control

PulseEight Control provides cable-free control of fluids flowing into the wellbore and, in the case of injection wells, into the reservoir. Fluid Harmonics wireless production telemetry allows the Inflow Control Valves (ICV)s to be positioned to isolate a single section, or to seamlessly control multiple zones. A target pressure drop is maintained by the system responding autonomously as downhole parameters change, eliminating the delays of manual decision-making.

Monitoring where it matters

PulseEight Monitor adds a continuous monitoring capability to any well with a simple intervention rather than a costly workover. The tool uses Fluid Harmonics to transmit regular pressure and temperature data through live produced fluids, as well as recording high-rate data to memory. Two-way telemetry enables the gauge's data settings to be changed in-hole without the need to retrieve and re-programme.

SPECIFICATIONS

	Verified	Tubing Size inches	OD inches	Max Flow Area, Ports inches ²	Flow Area, ID Bore inches ²	Maximum Rate bbls/day	Body Pressure psi	Static Seal from below psi	Differential Pressure psi	Temp °F	Length Min-Max ft
SECURE	API 14A V2	3.5-5.5	2.5	2.26	1.88	10,000	10,000	7,500	1,500	230	17.12-30.86
SECURE	API 14A V2-R	7	5	9.65	8.04	30,000	6,000	6,000	1,500	230	18.66
CONTROL	N/A	3.5-5.5	2.5	2.26	1.88	10,000	10,000	7,500	1,500	230	17.12-30.86
MONITOR	N/A	3.5-5.5	2.5	2.26	1.88	10,000	7,500	N/A	N/A	230	17.89-31.63

* All tools have Dual Quartz sensors

FEATURES AND BENEFITS

- **PROVEN** technology
- **UNLIMITED SETTING** capability
- **LONG LASTING** battery life
- **SAFETY** build within
- **EXCELLENT** quartz dual gauges

