PulseEight™

TECH SPEC SHEET



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 is a retrofittable, wireless, cable-free subsurface safety valve that enables production in dynmaic environments. Qualified under API14A, the intelligent safety valve offers a fully autonomous self-powered system.

The valve is equipped with pressure and temperature sensors upstream and downstream of choke ports, providing accurate surveillance of well events and ease of opening via TAQA's propritary fluid harmonic communication. In addition, the tool is self-monitoring and will communicate a "Vitality Pulse" to surface providing valuable information associated with tool integrity and battery life.

Improve Recovery With Control

PulseEight Control is a wireless, cable-free downhole flow management system that replaces conventional Inflow Control Valves. From deployment onward, it provides continuous downhole surveillance transmitting real-time data (traditionally gathered via PLTs) to surface. Offering zonal control for both production and injection, the system can be integrated during completion or retrofitted into exisiting wells, enabling remote isolation or modulation of individual intervals without the need for control lines.

Monitoring Where It Matters

PulseEight Monitor is a wireless, cable-free downhole monitoring solution that provides continuous pressure and temperature surveillance without the need for dedicated control lines or costly workovers. Using proprietary Fluid Harmonics telemetry, it transmits real-time data through live produced fluids and records high-frequency PBU data to onboard memory.

SPECIFICATIONS

	Verified	Tubing Size inches	OD inches	Max Flow Area, Ports inches²	Flow Area, ID Bore inches²	Maximum Rate *** bbls/day	Body Pressure psi	Static Seal from below psi	Re-opening Differential Pressure psi	Temp °F	Length Min–Max ft
SECURE	API 14A V2	3.5–5.5	2.5	2.26	1.88	13,000	10,000	7,500	≤1,500	230	17.12–30.86
SECURE	API 14A V2-R	7	5	9.65	8.04	39,000	6,000	6,000	≤1,500	230	18.73-30.56
CONTROL	N/A	3.5–5.5	2.5	2.26	1.88	13,000	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
** All tools Metallurgy - Inc718 (NACE MR0175/ISO 15156 compliant)
*** Maximum rates are indictive only. Actual limits are subject to well design and detailed modelling.

FEATURES AND BENEFITS

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

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