



PulseEight™ Control

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

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 existing wells, enabling remote isolation or modulation of individual intervals without the need for control lines.

FEATURES

- **CABLE-FREE** zonal flow and injection control
- **DUAL QUARTZ GAUGES** providing upstream and downstream surveillance of choke ports
- **TRANSMITS** downhole pressure, temperature, and differential pressure data
- **DEPLOYABLE** as part of completions or Retrofit-ready design for live wells
- **FINE CHOKE CONTROL** - adjustable in 3% flow area increments
- **BATTERY LIFE** up to 5 years

BENEFITS

- **IMMEDIATE AND CONTINUOUS** - downhole visibility and monitoring payzone
- **REDUCED** intervention and operational risk
- **SIMPLIFIED** well architecture
- **FLEXIBILITY** to adapt to evolving reservoir conditions - even under high uncertainty
- **ENHANCED PRODUCTION**
- **IMPROVED SWEEP EFFICIENCY**

APPLICATIONS

- **ZONAL PRODUCTION CONTROL**
- **MULTILATERAL CONTROL**
- **DOWNHOLE PRESSURE, TEMPERATURE & DIFFERENTIAL MONITORING**
- **WARNING SYSTEM FOR SCALE FORMATION**
- **THIEF ZONE INJECTION MODULATION & CONTROL**
- **WATER, GAS AND CROSS-FLOW CONTROL**
- **GRAVITY-ASSISTED DUMP-FLOOD CONTROL**

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	Re-opening Differential Pressure psi	Temp °F	Length Min- Max ft
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