

INTELLIGENT ELECTRIC FLOW VALVES

APPLICATION

The REWOLTDRIIVE™ (RWD™) full electric system is a revolutionary solution for smart well completion or for specific needs in upper completion components. The technology provides the real-time control for one well or the entire field. The control system is highly functional, robust and stable. The downhole sensors data is processed by a user-friendly software REWOLTSOFT™ (RWS™), so the user is able to shift the valves remotely, collect and transfer the real-time data from the gauges, make immediate decisions and plan for a field development even from the office. The RWD can be used in production and injector wells, capable to withstand fracturing, can be used as open/close valve or multi-position inflow control device.

FEATURES AND BENEFITS

- The smart REWOLT completion is run with up to nine RWD valves and nine gauges operated with a single electrical line.
- Up to 12 positions for each RWD™ are available providing broad production/injection regimes.
- The inner diameter is comparable to the inner diameter of the liner or tubing.
- Data on the current position of the inflow control valve is transferred to the surface real-time.
- The REVOLT system can be equipped with screens providing additional control of sand production.
- Managed by RWS™ software with friendly interface and broad functionality.

TECHNICAL DATASHEET

TECHNICAL CHARACTERISTICS	VALUE				
	RWD.60.114	RWD.89.140	RWD.102.156	RWD.89.178	RWD.140.216
Outer diameter, in	3.500	4.500	5.750	5.750	7.700
Inner Diameter, in	1.570-1.970	2.910-2.990	3.350-3.540	2.990	4.880-5.000
Temperature rating, °C	20-120	20-120	20-120	20-120	20-120
Burst pressure rating, psi	5 000	5 000	5 000	12 500	10 000
Basepipe size, in	2.375	3.500	4.000	3.500	5.500
Size of liner, casing, open hole for installation, in	4.500	5.500	6.000 - 6.125	7.000	8.500
Number of positions RWD, ea	12	12	12	12	12
Gauges incorporation	yes	yes	yes	yes	yes
Max number of RWD using one cable, ea	5	5-9	5-9	1	9



REVOLT