

Formation Evaluation
Formation Tester

Flow control pump-out section

Reservoir Description Tool (RDT™) formation tester

The total performance of a system is limited by the weakest link, and collecting clean fluid samples require best-in-class flushing pumps. The Reservoir Description Tool (RDT™) Flow Control Pump Sections are proven to be the most versatile with a full range of differential pressures, the highest horsepower, and the fastest rates.

DIMENSIONS AND RATINGS	
Max Temperature	350°F (177°C)
Max Pressure	20,000 psi (138 MPa)
OD	4.75 in. (12.07 cm)
Length	12.05 ft (367 m)
Weight	450 lb (204 kg)
BOREHOLE CONDITIONS	
Borehole Fluids	Salt <input checked="" type="checkbox"/> Fresh <input checked="" type="checkbox"/> Oil <input checked="" type="checkbox"/> Air <input checked="" type="checkbox"/>
Recommended Maximum Logging Speed	Stationary
Tool Positioning	Centralized <input checked="" type="checkbox"/> Eccentralized <input checked="" type="checkbox"/>
PUMP PERFORMANCE	
Pumps per String	Two Pumps
Dual Pump Capable	Yes (Both pumps can run at the same time)
4K PUMP	
Max Differential Pressure	4,000 psi ΔP
Max Pump Rate	43 cc/sec @ 500 psi ΔP (Dual Pump 86 cc/sec)
6K PUMP (OPTIONAL KIT)	
Max Differential Pressure	6,000 psi ΔP
Max Pump Rate	25 cc/sec @ 500 psi ΔP (Dual Pump 50 cc/sec)
8K PUMP (OPTIONAL KIT)	
Max Differential Pressure	8,000 psi ΔP
Max Pump Rate	20 cc/sec @ 500 psi ΔP (Dual Pump 40 cc/sec)
10K PUMP (OPTIONAL KIT)	
Max Differential Pressure	10,000 psi ΔP
Max Pump Rate	15 cc/sec @ 500 psi ΔP (Dual Pump 30 cc/sec)



HAL50809

DATA SHEET

MEASUREMENT

Low Oil Volume Switch	Indicator
Motor Temperature	RDT
Motor Speed	Tachometer
Hydraulic Pressure Transducer	Strain Guage
Pump Inlet Pressure Transducer	Strain Guage
Pump Outlet Pressure Transducer	Strain Guage
Pump Displacement	Linear Potentiometer

PHYSICAL STRENGTHS

Hardware	Tool Joints
Tension	200,000 lb (90,719 kg)*
Compression	200,000 lb (90,719 kg)*
Torque	600 ft-lb (813 N-m)*

* Strengths apply to new tools at 70°F (21°C) and 0 psi.

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