

RESERVOIR DESCRIPTION TOOL (RDT™) FORMATION TESTER

Flow Control Pump-out Section

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)	300°F (149°C)
Max Pressure	25,000 psi (172 MPa)	30,000 psi (207 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	36 cc/sec @ 500 psi ΔP (Dual Pump 42 cc/sec)
6K Pump (optional kit)	
Max Differential Pressure	6,000 psi ΔP
Max Pump Rate	21 cc/sec @ 500 psi ΔP (Dual Pump 42 cc/sec)
8K Pump (optional kit)	
Max Differential Pressure	8,000 psi ΔP
Max Pump Rate	17 cc/sec @ 500 psi ΔP (Dual Pump 34 cc/sec)
10K Pump (optional kit)	
Max Differential Pressure	10,000 psi ΔP
Max Pump Rate	13 cc/sec @ 500 psi ΔP (Dual Pump 26 cc/sec)



HAL50809

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.

For more information, contact your local Halliburton representative or visit us on the web at www.halliburton.com

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