

DYNAMAX REGULATOR™

Today’s milling applications are becoming more challenging with deeper, longer and more complex wells being milled out faster than ever before. One challenge is keeping the hole clean while milling, which is achieved with higher flow rates. These flow rates are limited by the power sections on the motor.

The Regulator employs a variable size exit orifice to actively moderate the flow that goes through the motor continuously- extra fluid is vented to the annulus. The exit orifice is controlled by a valve that measures the flow entering the motor. The valve mechanism responds in milliseconds so that flow to the motor is always regulated.

Features

- Reduce Stator Failures Due to Over-Pumping
- Utilize Optimal Performance of the Power Section in Motors
- NO DROP BALLS or Darts Required for Activation
- Motor Stalls are Still Visible at Surface
- Different Orifice Sizes Available to Customize Flow Diversion

Specifications



	2-1/8" (54 mm)
TOOL OD	2.125 in (54 mm)
OVERALL LENGTH	43.5 in (1105 mm)
PIN ID	1 in (25 mm)
MOTOR FLOW RATE SETTING RATE (MIN/MAX)	30 gpm / 100 gpm (115 / 380 lpm)
MAX. PUMP RATE	100 gpm (0.4 m ³ /min)
MAX. OVERPULL	150,000 lbs (66,720 daN)
MAX. TORQUE	1,700 ft-lbs (2,305 Nm)
CONNECTION	1-1/2 MT

	2-7/8" (73 mm)
TOOL OD	2.875 in (73 mm)
OVERALL LENGTH	35.0 in (889 mm)
PIN ID	1.13 in (29 mm)
MOTOR FLOW RATE SETTING RATE (MIN/MAX)	21 / 158 gpm (80 / 600 lpm)
MAX. PUMP RATE	315 gpm (1.2 m ³ /min)
MAX. OVERPULL	150,000 lbs (66,720 daN)
MAX. TORQUE	2,000 ft-lbs (2,712 Nm)
CONNECTION	2-3/8 PAC