CEMENTER UNIT

RIMERA

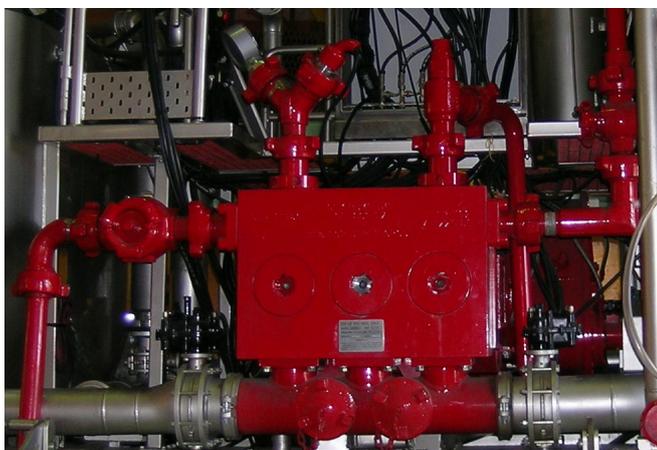**THE CEMENTER UNIT** is designed for continuous mixing, homogenization and injection of cement slurries and fluids in oil and gas wells, as well as for recording the cementing parameters. The cementer unit is equipped with precision mixing system with an option of switching from automatic to manual control of all the processes of slurry mixing and pumping.

SPM TWS600 PUMP

CONTROL CONSOLE

For the operator's control and switching from manual to auto matic mode.

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TECHNICAL SPECIFICATION

PARAMETERS	DOUBLE-PUMP CEMENTER TRAILER	
Chassis	Politrans / ChMZAP Semitrailer	
Pump drive	Caterpillar C13 (x2)	Cummins QSX15
Automatic transmission	Allison 4700 OFS (x2)	
Power unit rated power	440 hp (328 kW) (x2)* 527 hp (388 kW) *	616 hp (459 kW) (x2)*
High pressure pump		
Quantity	2	
Plunger diameter	TWS600 / TPD600 X 4.5"	
Right Pump	TWS600 / TPD600 X 3.5"	
Plunger diameter	3 1/2″ (88.9 mm)	4 1/2″ (114.3 mm)
Pressure	104,000 psi (71.7 MPa)	6667 psi (47 MPa)
Maximum rate	28 gpm (1.2 m³/min)	62 gpm (2.1 m³/min)
Slurry mixing system		
Maximum slurry mixing capacity	0~14.5 BPM (0–2.3 m³/min)	
Densitometer	Micro Motion F300, Endress+Hauser Promass F300	
Density of pumped fluids	22 PPG (1 – 2.6 g/ cm³)	
Total maximum theoretical pump rate	21 BPM (3.3 m³/ min)	
Centrifugal pumps: - water feeding - booster - recirculating	Mission / Avangard 4x3x13 Mission / Avangard 6x5x11 Mission / Avangard 6x5x11	
Tank capacity: - mixing - surge - gauging	9.4 BBL (1,5 m³) 12.5 BBL (2 m³) 38 BBL (6 m³)	
Butterfly valves and High Pressure Valves	Manufacturer: SP Omega / Kvant / PromArm LLC**	
Overall dimensions	37.06x8.20x13.12 ft (11,300x2,500x4,000 mm)	
Weight	57,32 lb 26,000 kg	
Unit operation temperature range: minus 45°C to plus 45°C		

* Operating time at full load does not exceed 5% of the total operating time.

** Fully interchangeable with FMC products.