

CEMENTER UNIT



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.

AVAILABLE IN TWO CONFIGURATIONS:



Single-pump cementer truck



Double-pump cementer truck

2, Ordzhonikidze str., Izhevsk, Russia, 426063

T.: +7 3412 68-91-91, 55-790 Sales Department, izhneftemash@rimera.com

www.rimera.com



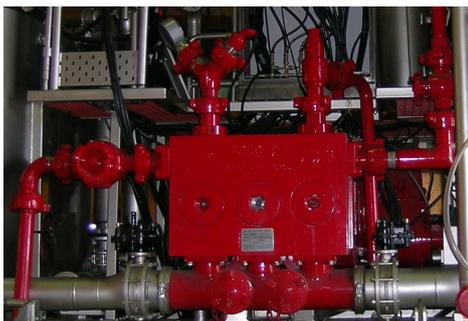
TECHNICAL SPECIFICATION

PARAMETERS	SINGLE-PUMP CEMENTER TRUCK		DOUBLE-PUMP CEMENTER TRUCK	
Chassis	IVECO Trakker 6x6		IVECO Trakker 8x8	
Pump drive	Caterpillar C13		Caterpillar C13 (x2)	
Automatic transmission	Allison 4700 OFS		Allison 4700 OFS (x2)	
Power unit rated power	440hp (328 kW)*		440hp (328 kW) (x2)* 527hp (388 kW)*	
High pressure pump				
Quantity	1		2	
Model	TWS600			
Plunger diameter	3" (76.2mm)	3 1/2" (88.9mm)	4" (101.6mm)	4 1/2" (114.3mm)
Pressure	15,000 psi (105MPa)	11,020 psi (77MPa)	8438 psi (59MPa)	6667 psi (47MPa)
Maximum rate	28 gpm (1 m ³ / min)	37 gpm (1.2 m ³ / min)	49 gpm (1.6 m ³ / min)	62 gpm (2.1 m ³ / min)
Slurry mixing system				
Maximum slurry mixing capacity	0~14.5 BPM (0–2.3 m ³ /min)			
Densitometer	Micro Motion F300			
Density of pumped fluids	22 PPG (1 – 2.6 g/cm ³)			
Total maximum theoretical pump rate	13 BPM (2.1 m ³ / min)		21 BPM (3.3 m ³ / min)	
Centrifugal pumps: - water feeding - booster - recirculating	Mission 4x3x13 Mission 6x5x11 Mission 6x5x11		Mission 4x3x13 Mission 6x5x11 Mission 6x5x11	
Tank capacity: - mixing - surge - gauging	8 BBL (1.4 m ³) 8 BBL (1.4 m ³) 25 BBL (4 m ³)	7 BBL (1.1 m ³) 12.5 BBL (2 m ³) 38 BBL (5(6) m ³)	7 BBL (1.1 m ³) 20 BBL (3 m ³) 25 BBL (4 m ³)	
Overall dimensions, not more	39.37x8.20x13.12ft (12,000x2,500x4,000 mm)		39.37x8.20x13.12ft (12,000x2,500x4,000 mm)	
Weight, not more	52,911lb 24,000 kg		70,548 lb 32,000 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.

At the customer's request, the cementer unit can be chassis- mounted on a vehicle of various manufacturers, as well as manufactured as a modular system.

SPM TWS600 TRIPLEX PUMP



CONTROL CONSOLE

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



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