



## SERVAcementing® PCTLR-521A Auto Density Control Double Pump Cementing Trailer

### GENERAL SPECIFICATIONS

Weight.....23.2 t (51,000 lbs)  
 Overall Dimension..... 36.9 ft (L) x 8.2 ft (W) x 13.5 ft (H)  
 Max.Pressure 11,200 psi (with 4 1/2" fluid end)  
 Max.Flow 19.2 bpm (w/2 4 1/2"fluid end)  
 Density Range 8.32-22.5 ppg ± 0.2 ppg  
 Mixing Capacity 0 ~ 12.6 bpm  
 Working Temp. -30°C ~ 50°C  
 Working Time >2 hours (under max.press);  
 >3 hours (under max.flow)

### Trailer Chassis

King Pin.....2" (50)  
 Tire..... 11.00-20  
 Height of Saddle.....1390mm  
 Support Legs.....JOST  
 Axle..... bpw 14010 (2EA)  
 Wheel base.....51.2"  
 Deck Engine..Caterpillar C13 475hp@2100rpm (2EA)  
 Aux. Engine.....Caterpillar C7 300hp@2200rpm (1EA)  
 Transmission..... Allision 4700 OFS (5 Forward+neutral) (2EA)  
 Hydraulics Auxiliary engine driven open loop for c-pumps, closed loop for agitators

### TRIPLEX PUMP

Model.....SERVA TPH400  
 Stroke.....8" (203.2mm)  
 Max. Hp.....600 bhp (447Kw)  
 Gear Ratio.....8.6:1  
 Fluid End.....4 1/2" 3 3/8" \* 4" 5" \* 6"  
 Work Pressure (psi) 11,200 20,000 13,600  
 8,700 6,000

Max.Flow (gpm) 9.6 5.4 7.6 11.9 17

### SERVAacm®- III MIXING SYSTEM

Mixer..... High energy recirculation mixer  
 Water Pump.....MISSION 4X3

Recir/Boost C-Pumps.....SERVApump 5x6  
 Densitometer.....Micro motion 3" non-radioactive densitometer  
 Controls.....Allen Bradley programmable controller

### Tank Volumes

Mixing Tub.....7.5 bbl (1.2 m3)  
 Fuel tank.....196 gals  
 Disp. Tank..... 2x10 bbl (2x1.5 m3)  
 Hyd. Tank.....2x45 gals  
 Air tank.....20 gals

### Key Points

Continuous high energy mixing  
 Auto density control  
 Air inlet shutoff  
 Overpressure shutdown  
 SPS packing system  
 Non-radioactive densitometer  
 Stainless steel console  
 Engraved stainless steel panel  
 Dual scale gauges  
 Remote monitoring and data record system available  
 Cold start aid, air starter, hydraulic starter on request  
 Integral high pressure iron  
 Auxiliary power pack

### APPLICATIONS

Pumping cement, brines, acids  
 Pressure testing and well testing  
 Metering mixing fluids  
 Mixing cement slurry

### Options:

- 1.Engine: Detroit diesel S60 475hp@2100rpm
- 2.ACM®-IV density control system (ACM®-III + tub level control)
3. ACM®-V density control system