The SERVAgroup 600 HP Twin Triplex Fluid Pumper is a heavy duty spread axle trailer that utilizes two SERVA TPD600 triplex pumps to provide fluid for a variety of coil tubing applications. Powered by 630HP engines with automatic transmissions are capable of running the hydraulics on the unit as required. Process piping is designed to allow the customer to load fluid and supply fluid to the TPD600 pumps from either side of the unit.

### Specifications

#### Performance Parameters
- **Minimum Ambient Temperature Range:** .................-40°C (-40°F)
- **Maximum:** ........................................51°C at 152 m (124°F at 500 ft)
- ........................................................................49°C at 1067 m (121°F at 3,500 ft)
- ........................................................................46°C at 3048 m (114°F at 10,000 ft)
- **Duty Cycle:** ......................... 4 hours continuous pump time at 100 %
- ........................................................................maximum speed and torque
- **Discharge Pumping MAWP:** .... Atmospheric 103,400kPa (15,000 psi)
- **Pumped Fluid Temperature Range:** ........-50°C (-58°F) 70°C (158°F)

#### Engines and Transmissions
- **Engine:** .............................................Detroit S60, 630 BHP @ 2100RPM
- **Transmission:** .............................................................Allison 4700 OFS
- **Optional Power Plant Packages available upon request**

#### Triplex Pumps
- **Type:** ................................................................. Single Acting Triplex
- **Stroke:** ............................................................... 6" (152.4 mm)
- **Gear Box Ratio:** ................................................. 4.61:1
- **Rater Horse Power:** ..................................................... 600 HP
Specifications

Displacement Tanks
- Qty (2) compartment Open Top Tank
- Working volume of 13 bbl in each tank
- Qty (1) Hydraulically Driven Agitator in each tank
- Qty (1) Chemical Injection Port in each tank

Pressurizer and Loading Centrifugal Pumps
- Qty (1) 3 x 4 NOV/Mission C-Pump with 11” Impeller (Pressurizer)
- Qty (1) 3 x 4 NOV/Mission C-Pump with 11” Impeller (Loading)

Flowback & Discharge Piping
- Flowback piping equipped with:
  - Qty (1) 1 x 2 Hydraulically actuated plug valve to control flow back from each pump
  - Combined to qty (1) 2” schedule 80 line back to displacement tanks
  - Air actuated control to select which tank flow is introduced
  - Discharge Iron ties both pumps together to provide the operator the flexibility to run either pump without changing the connection to the downstream equipment
  - Discharge Iron comprising of 2” 1502 rated fittings, valves, and pup joints
  - 2 x 2 Hydraulically actuated plug valves exiting each pump and at rear of trailer discharge
  - Cross over line between pumps with a 2 x 2 Hydraulically actuated plug valve
  - Qty (2) discharges from the trailer (stubbed at rear of trailer)
  - Other discharge options available upon request

Fuel System
- The unit is to carry a total of 1135L (300 USG) of diesel fuel
- Qty (2) 568L (150 USG) tanks

Chemical Additive System
- Qty (2) Oberdorfer “ChemSteel” R104 pumps
- Qty (2) 100 USG DOT approved Stainless Steel Totes

Optional Equipment
- Winterization Packages
  - Diesel fired or electric Engine Preheater options available
  - Diesel fired or electric reservoir heater options available

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