

BCS-300-100 Manual batch mixing skid

1. Overview

BCS-300-100 Manual batch mixing skid is the economic equipment based on continuous and batch mixing system without ACM system, which is applicable for slurry batch mixing during cementing job. Working principle: keep the slurry circulating via recirculation centrifugal pump, then add the bulk cement or dry additives into the recirculating line via jet nozzle and dry cement valve on the top of tank. The batch mixing tank can be configured with single tank 120BBL or 2X50BBL double tank.

2. General specification

| Manual batch mixing | single tank | double tank |
|-----------------------------|---------------------------|---------------------------|
| Gross Weight | 13t | 11t |
| Batch mixing tank volume | 120 BBL | 2x50 BBL |
| Density range | 1.3-2.7 g/cm ³ | 1.3-2.7 g/cm ³ |
| Working ambient temperature | -25°C ~50°C | -25°C ~50°C |



Configuration

| | Single tank | Double tank |
|------------------------------------|---|---|
| Engine | Caterpillar C7 300HP@2200RPM | Caterpillar C7 300HP@2200RPM |
| Gear box | Funk 5900series | Funk 5900series |
| Hydraulic system | Eaton heavy-duty dose-loop hydraulic system | Eaton heavy-duty dose-loop hydraulic system |
| Recirculation centrifugal pump(I) | SERVA RA56 | SERVA RA56 |
| Recirculation centrifugal pump(II) | SERVA RA56 | SERVA RA56 |
| Ejection system | Simple jet system+ hopper | Simple jet system+ hopper |
| Dry cement valve | Manual control | Manual control |
| Batch mixing tank | single tank+agitator | Double tank+agitator |

Optional configuration

Mixing system: high energy mixing system.

Power system: Centrifugal pumps and agitator can be driven by electric motors directly, and the unit can meet the demand of Zone-II explosion-proof.

4. Features

- Low cost, Without ACM system and high energy mixing system.
- Adopts international popular single tank or 2x50BBL configuration, and install large power agitator in each tank.
- Anti-impact and lifting frame, for easy transporting and hoisting.
- High efficiency and water-saving semi-automatic tank cleaning system.
- Meets the demand of ZONE-II and applicable for offshore platform, if electric motor system is chosen.

