Double Casing Barrel Pumps

DST

Applications
- High Pressure & Temperature
- Steel Mill Descale
- Petrochemical Industry
- Power Plant Boiler Main Water Supply System

Feature
- Centerline support and heavy duty design
- Double casing, permits removal of the inner casing
- Flexibility of design handles wide range of liquids
- Low NPSH performance
- API standard 610 (SSS) API standard 610 (API Code: BBS)

Ratings
- Capacity: Up to 20 m³/min (5,283 US GPM)
- Head: Up to 4,000 m (13,123 ft)
- Suction/Discharge Pressure: Up to 60 kgf/cm² (858 / 909 PSG)
- Hydrostatic Test Pressure: Up to 600 kgf/cm² (8,534 PSG)
- Max. Allowable Revolution: 7,500 min⁻¹
- Temperature: 300°C (~572°F)
- Impeller type: Enclosed
- Nozzles: Top-Top
- Flanges: ANSI 2500 lb, other standards also available
- Shaft Seals: Mechanical Seal, Conventional Packing, PTFE Seal & Threaded Bushing
- Material: According to API 610 Material Code

Explosion view
- Casing
- Impeller
- Balance Device
- Bearing

Photo Resources
- API 610 Pumps for power plants
- Service: Startup feed pump
- Capacity: 545.1 l/min
- Head: 883.92 m
- Power: 1.828 KW