

CLEXTRAL | PUMPS

DC130 PUMP

The model DC130 is an extra boration pump supplied for the third generation of Nuclear Reactors.

Location : Nuclear Auxiliary Building

FEATURES

- Injection to Primary Pump Units' seals in emergency situation during an electrical power failure
- Hydraulic test of the Primary Loop Circuit

TECHNICAL SPECIFICATIONS

- Triplex reciprocating volumetric pump with plungers (Ø80)
- Mechanical driving: 3 mechanical parts shifted at 120°C, powered in a constant speed by a set gear box/motor
- Dampener 4 L at the discharge of the pump to reduce the residual pulsations
- Rate: 100 strokes/min
- Engine: 160KW
- Reducer: 1/15

OPERATING CONDITIONS

- Injection of borated water under a discharge pressure of 190 bar at 11.8 m³/h
- Hydraulic test: injection at the maximum flow, then hold the required test pressure (260 bar) without any flow.

SEISMIC QUALIFICATION

- Calculation note
- Operability after an earthquake

QUALIFICATION

Design and manufacturing in accordance with RCC-M (level 2 or 3) or ASME III.

DC130 EXTRA BORATION PUMP

