



## **Junction Box design for NEMO-phase1**

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## JB oil filled, pressure compensate:

- 1. internal lay-out
- 2. steel pressure vessel
- 3. step-down transformer
- *4. fiberglass container, with internal*

















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# <u>Step-down transformer:</u> thermal exchanges



### Maximum ?T=9.98°C





### **Conclusion:**

## > improve on reliability:

only 4 sealed pressure resistant connections fiberglass vessel is filled by silicone fluid double housing for transformer.

### conomical consideration: reduced dimension of pressure vessel no expensive alloy.