



EFINOR



OBTOPLUS®



Oil&Gas  
**Energy**  
 Nuclear  
 Hydraulic

- The multi-element mechanical plug OBTOPLUS® (EDF patent, EDF trade mark) has been developed through a collaborative and innovative development process between EFINOR and EDF. It is designed to seal or bypass fluid allowing nondestructive pressure testing without any structural alteration. OBTOPLUS® is designed to operate in conditions up to 40 bar (580 Psi).

- **No permanent fixtures required.**
- **Constructed using elements no heavier than 25kg; all suitable for manual handling.**
- **Learning From Experience:** 2 years of successful service used on the 1300MW NPP fleet in France 'more than 100 pressure tests performed.
- **Reusable, cost effective solution.**
- **Rapid same day assembly and disassembly time.**



TRANSFORMING MATTER

EFINOR



EFINOR

OBTPLUS®

### Technical Specification

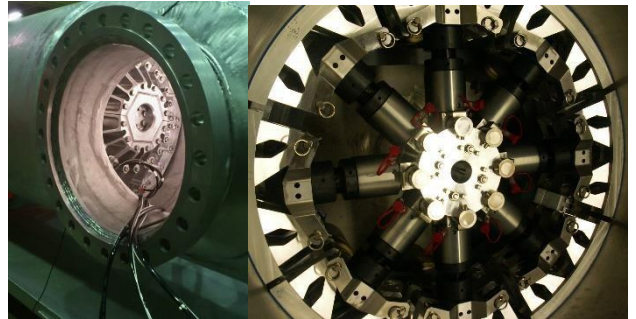
- Large diameters: DN900 to DN1500\*
- Liquid seal
- Sealing from 0 to 40 bar (0 to 580 Psi)
- Control / External monitoring
- Single or double sealing rings
- Minimal straight pipe length: 1,5 metre

### Applications

- Pressure tests
- Commissioning and liquid tests on pressurised equipment (PED/PER)
- Fluid bypass in nozzles
- Nozzle replacement and maintenance
- Initially targeted for nuclear industry
- New applications are currently being developed and tested

### Turnkey services

- Bespoke case studies and calculations
- Monitoring
- Factory acceptance tests
- Commissioning
- In operation maintenance



\* Possible design for smaller diameters can be studied on demand |DN 100 to DN 900|

### Benefits

- Shorter shut-down
- Cost effective intervention
- No alteration of tested structure
- Reusable

Certified for Nuclear Power Plant use



Contact us :

obtoplus@efinor.com