



### Application

The self-acting valve protects backward fluid flow. It is used in primary, secondary and auxiliary circuits of the nuclear power plant inside and outside hermetically sealed zones.

### Working medium

- radioactive water
- steam
- gas
- other working media

### Maximum working temperature

- Tmax 250 °C

### Technical description

The swing check valve is fabricated design. The weight of disc is balanced by counterweight.

### Production range

- DN 50-600
- MAWP up to 4,0Mpa

### Body material

- forged carbon steel 11 416.1 or 1.0425
- stainless forged steel 08X18H10T (1.4541)
- duplex stainless steel SAF 2507 (sea water)

### Operation

- self-acting operation

### Testing

Each valve is tested according to NP 068-05 let us say VTP-87. Allowable leakage is according to NP 068-05. The calculation proposal, control calculation and calculation for seismic endurance are provided per each valve. The results of seismic endurance are experimentally verified on particular sizes

### Connection to the piping

- wafer type
- flanged ends
- welded ends
- flanged ends with counter flanges
- wafer type with welded ends

