

Ball valves in Conventional and Nuclear power plants



errin

Liquids Solids

Are you looking for...

- Customer-orientated solutions
- Ball valves made in Germany
- Ball valves made of standard and special materials
- Ball valves for temperatures of -196°C to + 800°C, high pressure to 430 bar
- Various metallic coatings
- Compilation of preliminary test documents
- KTA-approved supplier









The company

Founded in 1900, internationally active and now, with more than 130 employees, represented around the world.

Constantly expanding product portfolio, sound economic basis, tradition combined with innovation, customeroriented specialized solutions, expertise.

That is what the name PERRIN stands for







Nidderau Prenzlau



Production facilities at Nidderau (near Frankfurt am Main) and Prenzlau (approx. 150 km north east of Berlin). Guaranteeing quality, efficiency, reliability and flexibility.

Over one hundred years of experience in mechanical engineering and valve construction. Wide-ranging industrial applications around the world for Shut-off and Control valves inclusive of conventional and nuclear power technology.



The products

- Two-way and Multi-way ball valves
- Switching units for safety valves
- Diverter valves
- Flange, weld-on and threaded connections







-196° C to +800° C **Temperature range**

Standard nominal diameter range

DN 15 to DN 600 DN 1/2" to DN 24"

also suitable for increased switching frequency

Pressure range

PN 10 to PN 420

ANSI Class 150 to Class 2500

Materials

Carbon steel - all grades Stainless steel - all grades

Titanium Hastelloy

Special materials

Overall lengths

DIN, ANSI, other standards

special lengths

Accessories

Actuators (pneumatic, electric, hydraulic), together with accessories e.g. limit

switches, solenoids etc.

Heating and refrigeration jackets

Stem extensions

Ratchet and locking units

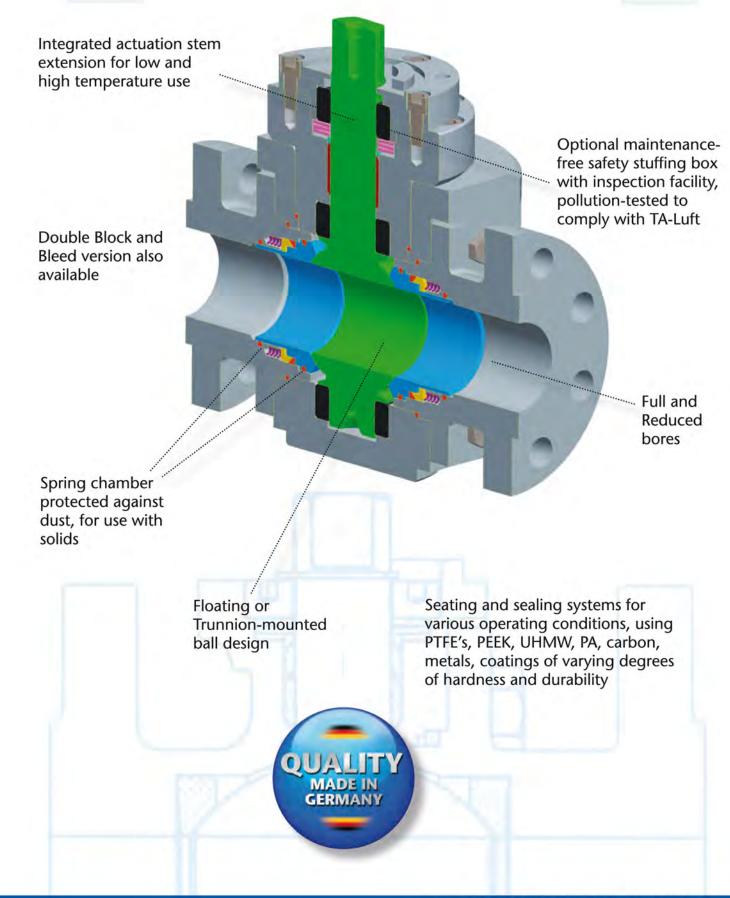








PERRIN Ball valves – design variations





PERRIN – what makes the difference?

Calculation

Testing

Latest technology

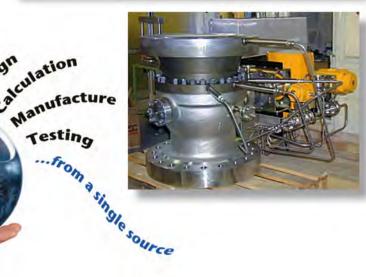
- PERRIN employs the latest coating technologies in its products. Thermal coating, e.g. using nickel or cobalt as the basis. High speed flame spraying, e.g. using wolfram carbide as basis, produced in the facility of Nidderau.
- In the various machining phases PERRIN always applies the latest production methods.
- 3D plane tables and inspection machines
- Testing, e.g. cryogenic, firesafe and helium leakage tests

Additional services

 Compilation of preliminary test documents based on **PERRIN KTA approval**

 Customized manufacture of special items





DIN EN ISO 9001 DGRL 97/23/EG, Module H & H1 API 6D **AD regulations KTA** approval Vattenfall approval **GOST**

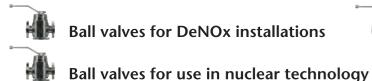
TA Luft DVGW



Manufacture and acceptance of the valves in accordance with DGRL 97/23/EC, AD 2000 HPO and relevant standards as DIN EN/ANSI/ ISO/API/ etc.

PERRIN – RELIABLE, PROVEN QUALITY

PERRIN – The valve specialist for power plants engeneering



Ball valves for DeNOx installations

• in primary and secondary circuits

and calculations based on PERRIN

including all preliminary test documents

compilation of documentation,

KTA approval

Ball valves in conventional or fluidized firing

- in the gas sector
- in the transportation of coal/fuel
- in the input of mineral additives e.g. via branch pipes
- In cold and hot (up to +800°C) slag and ash removal systems





Ball valves for flue gas desulphurization

- for liquid/suspensions/solids
- in gas washing
- in special materials, e.g. 1.4439, 1.4539, Hastelloy



Ball valves in steam and water circuits

- high pressure (up to 420 bar) and high temperature use (up to 600°C)
- cleaning systems for boiler tubes
- in seawater-resistant special materials (e.g. Duplex 1.4439, 1.4539, Hastelloy...)



Ball valves in tank farms

- for oil and gas and other media
- shut-off downstream and upstream of pumps
- for low temperature use down to -196°C in LNG and natural gas installations











PERRIN – references (excerpt)



Conventional power stations

Power stations operated by the following

- EnBW
- EON (VKR)
- Evonik (STEAG)
- RWE (VEW)
- Trianel
- Vattenfall (HGW)
- Various municipal and commercial power stations, CHP and waste incineration plants

Nuclear power stations

- Atucha NPS, Argentina
- Biblis NPS
- Brunsbüttel NPS
- Emsland NPS
- Forsmark NPS, Sweden
- Gösgen NPS, Switzerland,
- Grundremmingen NPS
- Leibstadt NPS, Switzerland
- Neckar-Westheim NPS
- Olkiluoto NPS, Finland
- Oskarhamn NPS, Sweden
- Ringhals NPS, Sweden
- Jülich Nuclear Research Station
- Karlsruhe Nuclear Research Centre





PERRIN links Nidderau with the world



