

perrin

BALL VALVES

a division of **KITZ** Corporation



***"As a developer,
manufacturer and
supplier of state-of-the-art
standard and custom
ball valves, our corporate
philosophy centres around
expertise and quality."***

perrin

About Perrin

Perrin GmbH manufactures ball valves for use in nearly every professional environment and for customers all over the world.

Ever increasing industrial demand for pipeline components requires profound, innovative know-how. Through constant research and high standards of quality, we lay the foundation for our staying competitive today and in the future.



Our production is concentrated on two sites that cover an area of 5,790 sqm altogether. One plant is located in Nidderau near Frankfurt in the Rhine Main region. The other one is in Prenzlau, a city close to the German capital of Berlin.

Our 130 employees, who are highly skilled and experienced in developing, engineering and manufacturing ball valves, constitute the foundation of our top quality, high performance, reliable and flexible products.

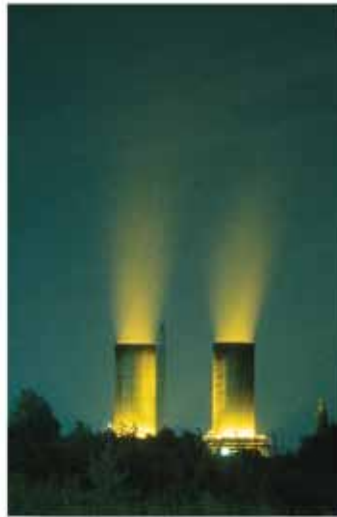
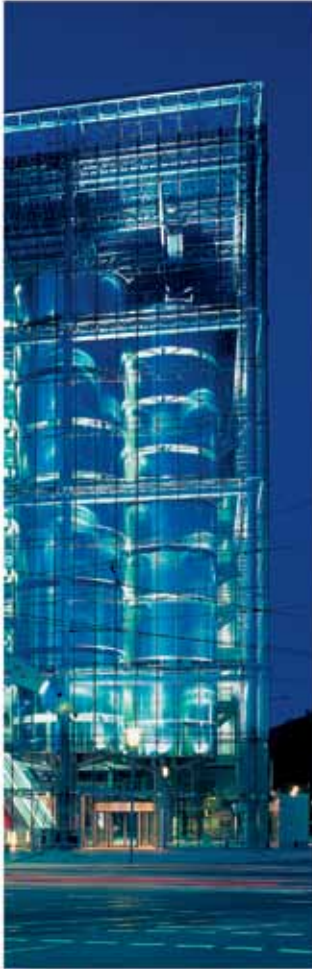
Since the company's founding 100 years ago, we have been focusing on a special market in order to be able to provide our customers with what we can do best: produce high quality standard and customized ball valves for industrial use throughout the world.



Typical Applications

- Chemical industry
- Petrochemical industry
- Refineries
- Gasification
- Transportation of solids
- Iron, steel and aluminum industries
- Power plants; garbage incinerators
- Cement industry
- Mechanical engineering
- Loading arm technology
- Offshore platforms
- Liquefied gases (e.g. LNG)





Product Quality

It is the aim of Perrin GmbH to achieve and sustain a leading position in the market.

We therefore attach great importance to maintaining the reliability and high quality of both our company and our products.

This is achieved by utilizing all available technical, organizational and economic resources.

To reach our goals, we have introduced the quality management system in accordance with DIN EN ISO 9001.

All technical, economic and organizational tasks associated with this QM standard increase the quality of Perrin GmbH and its products.



The manufacture and acceptance of the ball valves are carried out according to DGRL 97/23/EG and other standards, including DIN EN/ASME / BS/ API etc.

Development and Engineering

Development and engineering are key to the high quality of our products.

The long term experience gained by Perrin's engineers and technicians is integral to the safety and reliability of our ball valves.

The close relationship with our customers enables us to always tailor ball valve design to the needs called for by the market.

Designing ball valves, we also take into close consideration national and international standards as well as individual customer specifications.

Our design and development department utilizes state-of-the-art technology, including software for stress calculations and CAD applications.



Manufacturing and Assembly

Ball valve production at Perrin GmbH takes place in two manufacturing plants.

At Prenzlau, sophisticated CNC machines produce high quality valve components. The flexibility necessary for this type of production is provided for by a DNC network.

At Nidderau, the ball valves are assembled, tested and shipped to our worldwide customer base.

In addition, the sealing components for the metal seated ball valves are manufactured there.



Testing

To ensure proper functionality, our ball valves have to undergo rigid testing according to the appropriate specifications and regulations.

All Perrin valves manufactured are tested for pressure containment and leakage.

These tests are carried out according to DIN EN 12266, API 598 and other standards, with test mediums being fluids and gases.

Moreover, we conduct a set of special tests to guarantee overall safety of our ball valves. Dangerous and delicate materials in particular require such additional testing.

For example, low temperature tests are carried out to ensure the ball valves function correctly at very low temperature levels.

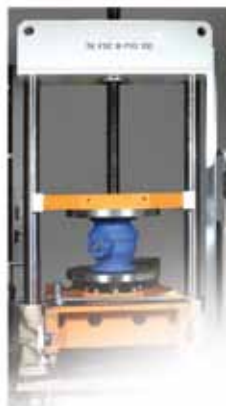
Basic valve requirements are covered by standard specifications, such as DIN EN 12567, DIN EN 12516, ASME B16.34 and API 6D.

Furthermore, we comply with specifications to meet our customers' specific requirements.



To guarantee the fire-safe requirements, the ball valves are tested according to ISO 10497, BS 6755 T.2, API 607 and further regulations.

Type tests are carried out to prove the pressure containment, with simulating cases of fire.



Our Product Line

- Two-way and multiport ball valves
- Diverter ball valves
- Switch units for relief valves

- Temperature range:
-190°C to + 800°C
-320°F to + 1500°F
- Size range:
1/2" to 24"
- Pressure range:
ASME Class 150 to Class 2500
- Materials
 - carbon steel
 - stainless steel
 - titanium
 - hastelloy
 - special materials



Accessories

- Actuators
 - pneumatic
 - electric
 - hydraulic
- Heating and cooling jackets
- Stem extensions
- Locking and snap-in locking devices

- Leakage rate is per DIN EN 12266-1 (Tighter than ANSI FCI 70-2 Class VI)

Size	ANSI FCI 70-2 2006 Class VI	API 598 9th Edition (09/2009)	DIN EN 12266-1 (Bubbles per minute)
1"	1	3	2
2"	3	4	3
3"	6	12	5
4"	11	16	6
6"	27	24	9
8"	45	32	12



Characteristics

Two-Way Valves

Series	11	70	75	80	85	90	14	16
Size Range	1/2" – 4"	1/2" – 12"	1/2" – 6"	1/2" – 12"	1/2" – 6"	1/2" – 24"	1/2" – 24"	1/2" – 10"
ASME Pressure Class	150 – 600	150 – 1500	150 – 300	150 – 2500	150 – 300	150	150 – 2500	150 – 2500
Temperature (°F)	-256 – 392	-256 – 662	-76 – 662	-320 – 1112	-76 – 752	-40 – 842	-40 – 1472	-40 – 842
Body	Three-Piece	Two-Piece	Two-Piece	Two-Piece	Two-Piece	Two-Piece	Two-Piece	Three-Piece
Ball	Floating	Floating	Floating	Floating	Floating	Trunnion mounted	Trunnion mounted	Trunnion mounted
Seat	Preloaded	Preloaded	Preloaded	Spring Supported	Spring Supported	Spring Supported	Spring Supported	Spring Supported
Available Designs ⁽¹⁾	S	S, M, C, K, H	S, C, M	S, M, C, K, N, E, H	S, M	S, M, C	S, M, C	S, M, H

⁽¹⁾ S = Soft Seated M = Metal Seated C = Carbon K = Cryogenic N = Lip Seal E = Extreme Temperature H = High Pressure

Characteristics

Two-Way Valves

Discharge Valves

Three-Way Valves

Three-Way Diverter

Four-Way Valves

Distribution Valves

Series	17	15	20	21	22	25	23	24
Size Range	1/2" – 12"	1/2" – 20"	1/2" – 4"	1/2" – 20"	1/2" – 20"	1/2" – 8"	1/2" – 20"	1/2" – 10"
ASME Pressure Class	150 – 2500	150 – 2500	150	150 – 1500	150 – 1500	150 – 1500	150 – 1500	150 – 1500
Temperature (°F)	-320 – 842	-320 – 842	14 – 662	-40 – 842	-40 – 842	-40 – 842	-40 – 842	-40 – 842
Body	Top-Entry	Two-Piece	Multi-Port	Multi-Port	Multi-Port	Multi-Port	Multi-Port	Multi-Port
Ball	Trunnion mounted	Trunnion mounted	Floating	Trunnion mounted	Trunnion mounted	Trunnion mounted	Trunnion mounted	Trunnion mounted
Seat	Spring Supported	Spring Supported	Preloaded	Spring Supported	Spring Supported	Spring Supported	Spring Supported	Spring Supported
Available Designs ⁽¹⁾	S, M, K	S, M	S, M, C	S, M	S, M	S, M, C	S, M	S, M

⁽¹⁾ S = Soft Seated M = Metal Seated C = Carbon K = Cryogenic



Our Client Portfolio

ABB-Lummus

Aventis

Basell

BASF

Bayer

BP

Celanese

Clariant

CNPC

DEA

Degussa

DOW Chemical

DOW Corning

DSM

FINA

FMC

Krupp Uhde

Kvaerner

Linde

Lurgi

Neste

Outokumpu

ROW

Schering

Shell

Siemens

SINOPEC

Texaco

Thyssen

Wacker

Our Global Partners

Based in:

Australia

Austria

Belgium

Brazil

China

Germany

Finland

France

Great Britain

Hungary

Italy

Luxembourg

Malaysia

Mexico

Netherlands

Poland

Russia

Singapore

South Africa

South Korea

Switzerland

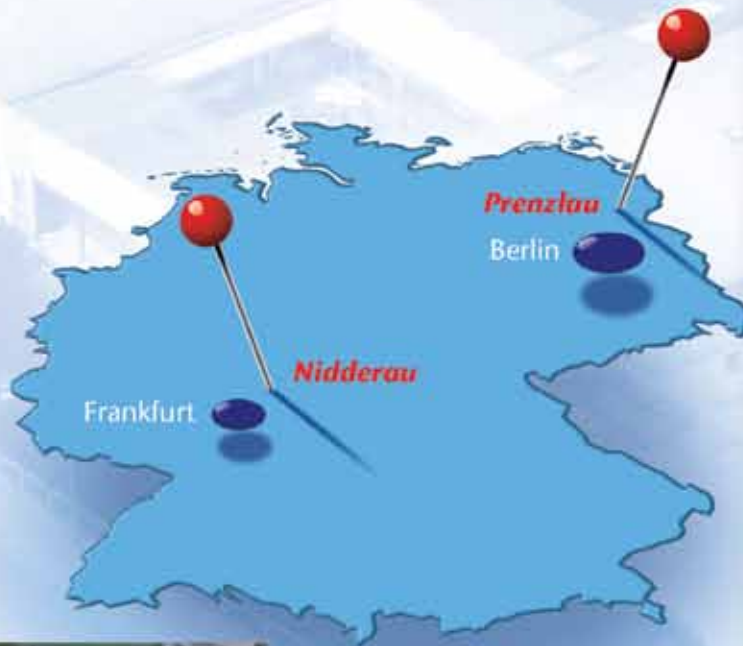
Taiwan

Thailand

USA

Our Locations

Taking shortcuts: Nidderau near Frankfurt and Prenzlau near the capital of Berlin.





perrin

KITZ

KITZ CORPORATION OF AMERICA

10750 Corporate Drive, Stafford, TX 77477

Phone (281) 491-7333 Fax (281) 491-9405

www.kitz.com

KITZ *perrin*

Products of Technology