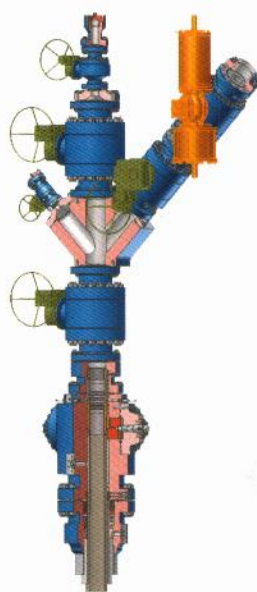


Modern Technology  
from Creation to Production



**HARTMANN**  
VALVES



## Modern Technology from Creation to Production

Hartmann Valves GmbH was founded 1946. The founder Dipl.-Ing. Werner Hartmann I became known for his multitude of patents. Diverse licensing and partnerships followed.

Since 1984 the family business is successfully managed by Dipl.-Ing. Werner Hartmann II.

Today's Hartmann Valves GmbH - manufacturer of valves and wellhead completion - is a worldwide known specialist.

We develop, construct, produce and test our products in Germany.

**Product Innovations and Market-driven Merchandise are our Strengths.**

Our customers are in petroleum, gasoline and chemical industry all over the world.

### *Application range:*

- Onshore and offshore
- FPSO and thermal
- Ipsorb and hypsorb processes
- Petroleum and gasoline storage
- Mining and in Alaskas cold atmosphere

You want reliability and longevity despite challenging operation?

**We have the Solution!**





## References and Successful Projects

Are you having trouble with corrosion, abrasion, acid gas, extreme temperatures, particulate material or other occurrences? Then you should talk with us!

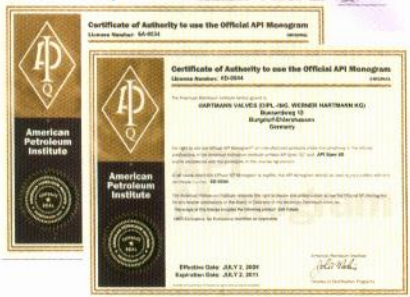
We convince with hundreds of successful Projects, Applications and satisfied Customers all over the World.

Why are we better?

A flexible, medium-sized company operating close to the customers makes goal-oriented and therefore fast decisions possible.

Special requirements and technical specifications of our customers are transformed into superior products. In other words:

Customers determine our Development!



- We meet customer requirements
- Competent construction workers
- Special know-how
- Selected materials
- Superior products
- Secure and dependable
- Targeted engineering
- Fast and flexible
- Our worldwide 24-Hour-Service
- Repair and maintenance





## Our Products

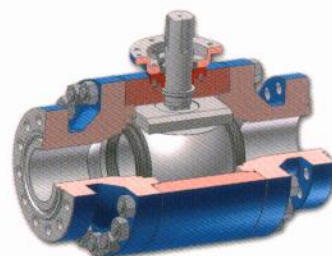
### Ball Valves according to API 6A and 6D

#### Valve Type AST

- Body with trunnion mounted ball
- Two or three pieced split-body

Range of production

DN 50-300	(2"-12")	up to PN 420	(ANSI 2500)
DN 350-650	(14"-24")	up to PN 250	(ANSI 1500)
2 1/16" - 11"x10"		up to API 10.000	

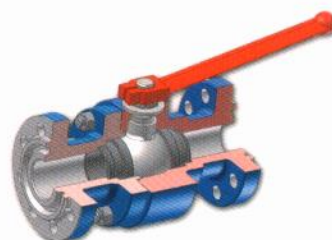


#### Valve Type ASF

- Body with floating ball
- Two pieced split-body

Range of production

DN 25	(1")	up to PN 690	(ANSI 10.000)
DN 40-80	(1 1/2"-3")	up to PN 100	(ANSI 600)
DN 100-150	(4"-6")	up to PN 20	(ANSI 150)

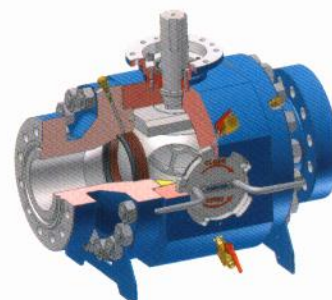


#### Scraper Valve Type (S) (R) (B)

- With closure door (trap) for sending or receiving scrapers
- Body with trunnion mounted ball
- Three pieced split body

Range of production

DN 50-300	(2"-12")	up to PN 420	(ANSI 2500)
DN 350-400	(14"-24")	up to PN 250	(ANSI 1500)

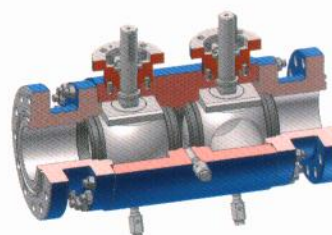


#### Valve Type TBV

- Body with floating or trunnion mounted ball
- Three pieced split-body - double valve in one body
- Double block and bleed isolation valve

Range of production

DN 25	(1")	up to PN 690	(ANSI 10.000)
DN 40-300	(1 1/2"-12")	up to PN 420	(ANSI 2500)
DN 350-400	(14"-16")	up to PN 250	(ANSI 1500)

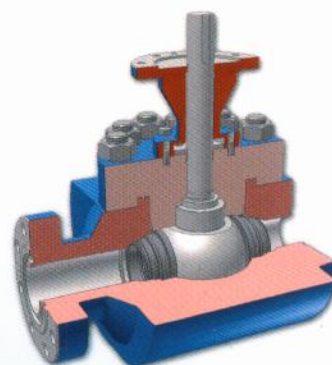


#### Valve Type U

- Undivided body with trunnion mounted ball
- Top entry construction
- For high pressure application

Range of production

DN 50-250	(2"-10")	up to PN 420	
2 1/16" - 11"x10"		up to API 10.000	





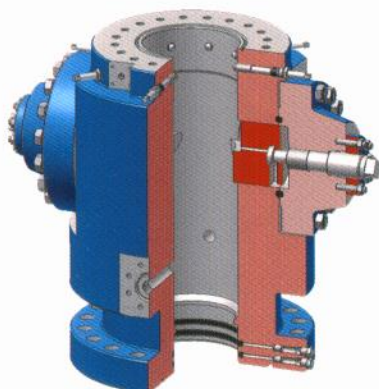
## Our Products

### Wellheads according to API 6A



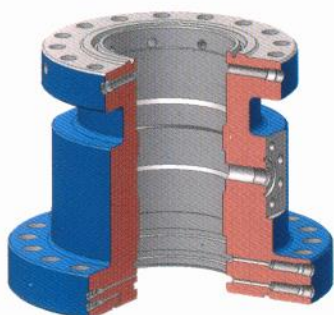
#### **Tubing Hangers & Adapters**

API Sizes	: All API Standard Sizes
API Pressure Rating	: 2000 PSI, 3000 PSI, 5000 PSI, 10.000 PSI
Sealing Systems	: Elastomeric & Metal-to-Metal
Control Line	: With & Without Control Line, Continues Control Line
API Temperature Class	: L, N, P, R, S, T, U
API Material Class	: AA, BB, CC, DD, EE, FF, HH
API PSL Levels	: PSL 1, PSL 2, PSL 3, PSL 3 G



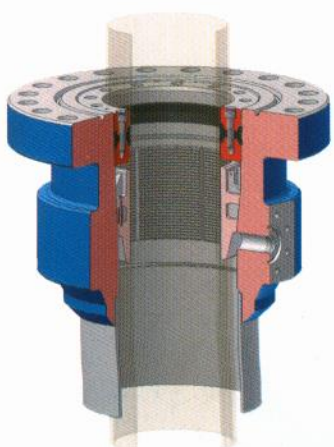
#### **Tension Spool**

API Bottom Flange Sizes	: 21.1/4", 20.3/4", 18.5/8", 16.3/4", 13.5/8", 11" Fastlock
API Top Flange Sizes	: 16.3/4", 13.5/8", 11", 9", 7.1/16" Fastlock
API Pressure Rating	: 2000 PSI, 3000 PSI, 5000 PSI, 10.000 PSI
Sealing Systems	: Single-P, Double-P, N-Bushing, NX-Bushing, Metal-to-Metal
API Temperature Class	: L, N, P, R, S, T, U
API Material Class	: AA, BB, CC, DD, EE, FF
API PSL Levels	: PSL 1, PSL 2, PSL 3, PSL 3 G



#### **Casing Spool**

API Bottom Flange Sizes	: 21.1/4", 20.3/4", 18.5/8", 16.3/4", 13.5/8", 11" Fastlock
API Top Flange Sizes	: 16.3/4", 13.5/8", 11", 9", 7.1/16" Fastlock
API Pressure Rating	: 2000 PSI, 3000 PSI, 5000 PSI, 10.000 PSI
Sealing Systems	: Single P-Seal, Double P-Seal, T-Seals, N-Bushing, NX-Bushing, Metal-to-Metal
API Temperature Class	: L, N, P, R, S, T, U
API Material Class	: AA, BB, CC, DD, EE, FF, HH
API PSL Levels	: PSL 1, PSL 2, PSL 3, PSL 3 G



#### **Casing Head Housing**

Bottom Connections	: Slip On Weld O-Ring, Slip On Weld, Slip Lock, Casing Box thread
API Top Size Flanges	: 21.1/4", 20.3/4", 18.5/8", 16.3/4", 13.5/8", 11", 9.5/8", 7.1/16" Fastlock
API Pressure Rating	: 2000 PSI, 3000 PSI, 5000 PSI, 10.000 PSI
API Temperature Class	: L, N, P, R, S, T, U
API Material Class	: AA, BB, CC, DD, EE, FF, HH
API PSL Levels	: PSL 1, PSL 2, PSL 3, PSL 3 G





## Your Needs - our Solutions

### **T**he Specialist for Metal- To-Metal Seated Ball Valves

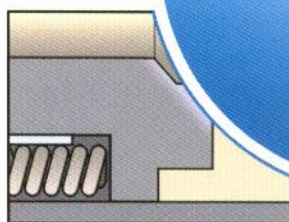
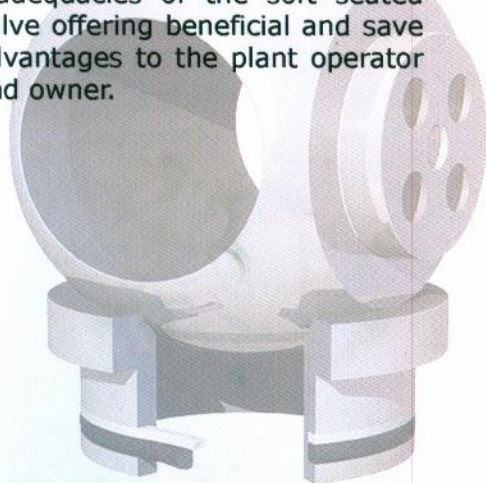
Historically, when only soft-seated ball valves were available, operators suffered from major sealing problems caused by entrained particles and/or thermal effects.

Particle contamination in the media quickly leads to impregnation of sealing material, which during valve operation results in tears and scratches on both the seat and ball.

Result: The valve is leaking!

The only option to the operator is costly repairs and downtime.

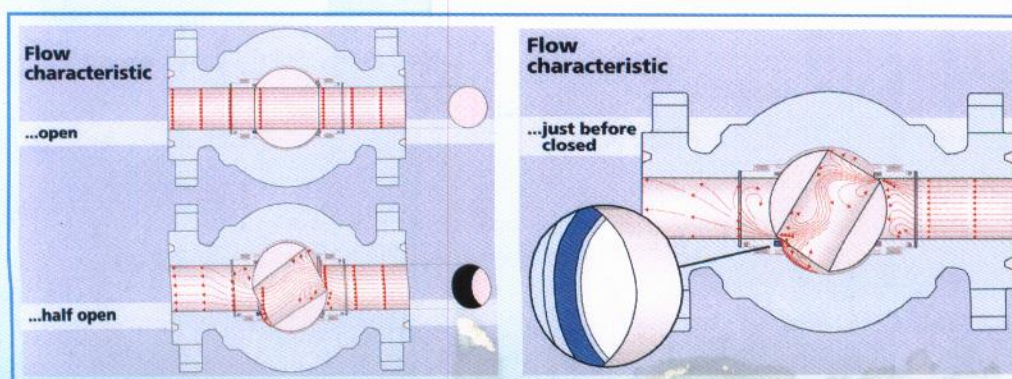
Metal-to-metal seated valving technology has overcome many inadequacies of the soft seated valve offering beneficial and save advantages to the plant operator and owner.



In the mid 1980's, Hartmann Valves GmbH recognised the inherent problems with soft seated ball valves and developed the best and most reliable form of sealing, namely the "True-Zero-Leakage Metal-to-Metal Seated Ball Valve".

Many advantages are recognised with this valve design including:

- Bubble tight bi-directional sealing under all pressure conditions
- High material resistance against different media
- Sealing Integrity under high levels of contamination
- Suitable for applications over wide temperature ranges and temperature differentials
- Approved fire resistance
- No maintenance
- Low cost of ownership



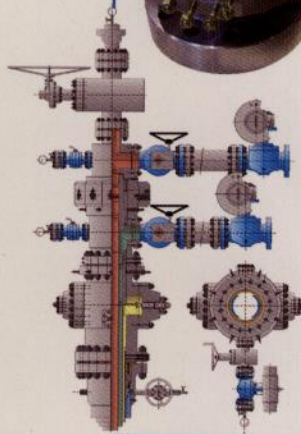


## Application Areas and Top-Quality Products

### Wellheads

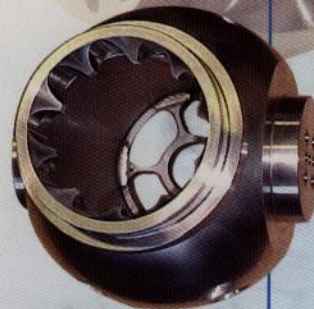


- Wellheads according to API 6A for cavern storage, aquifer storage in solid block construction, x-mas tree for gas production, geothermal trees and injection trees for up to +350°C (662°F)
- Geothermal wellhead, leaching wellhead and brine removal wellheads
- Equipment with maintenance free, metal-to-metal seated wellheads and valves - manually operated or automated
- Central control unit
- API 6 A valves 1 13/16" – 13 5/8" x 11" API 10.000 PSI WP, with maximum ID to pass through tubings and tools
- Oil field equipment like x-mas tree, rod rotator and polished rods.



### Ball Valves

- High pressure ball valves from +540 °C (1004°F) to -110°C (230°F) in standard material or special material for extreme operating conditions with spring loaded seals
- API 6A ball valves 1 11/16" – 11" API to 10.000 PSI
- Automated ball valves SAV/ POV/ MOV as ESD valve, dimensioned for on/off valve
- Double block and bleed ball valves in compact construction
- Ball valves with intelligent, inner special functions
- Construction for H2S service according to special European and international customer specifications
- Ball valve with special inner or outer coating like subsurface coating
- Taylor made ball valves





## References and Contact



### R eferences

Allweiler  
ADNOC  
ARAMCO  
Baker Hughes Intec  
Bornemann Pumps  
BP  
DEEP Underground  
DOW Germany  
E.ON Hanse  
E.ON Ruhrgas  
Elpro  
EMPG (Exxon Mobil)  
Enercity  
Essent Energie  
EWE  
Framo  
Frisia Zout  
Gas Union  
Gasag  
Gasunie

Gaz de France  
Geostock  
Heat  
Heckla  
Hot Rock  
Infracor  
IVG Caverns  
Jacobs  
KazGerMunai  
KBB Underground  
K + S  
Linde  
NEAG  
NWKG  
OMV  
Phillips Petroleum  
PPS  
Propetrol  
RWE DEA  
Sasol

Shell  
SGW  
Siemens Power Generation  
Silica  
SIRTE  
Sodawerke Stassfurt  
Statoil  
Strabag  
SWB-Netze  
TAL Germany  
Talisman  
Tansgas  
Texaco  
UGS  
Unical  
Vintron  
VNG  
Vorwerk-ASA  
Wingas  
Wintershall



*...and many more!*



contact

Your distributor / agent