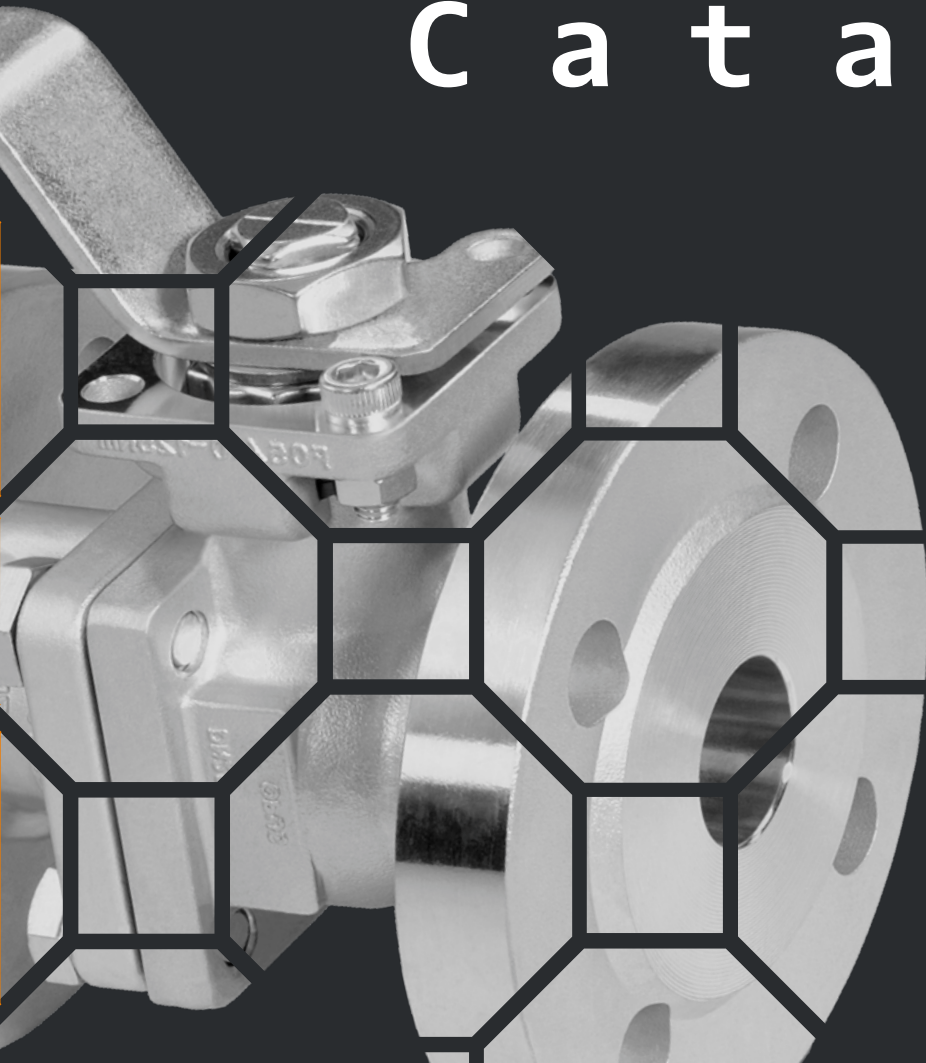




# P r o d u c t - C a t a l o g



# Engineered Products International

Starting in the year 1989 the company EPI was established by Mr. Wen Yuang Chang and Mr. Peter W. Hurst in Ettlingen, Germany.

Since then we have specialized us in ball valves, castings and customer solutions with a high demand on quality and on ourselves.

We see reliable and trustworthy partnerships as the key to success, so over the years we have built long term partnerships with our customers.

With our experience, expertise and furthermore our manufacture and close manufacturing partners, we can ensure that our products meet the highest standards.

For all other questions we have a dynamic team ready to assist you from Germany.

But most important for us is to support you, so please do not hesitate to contact us with any question.

Your EPI Team



professional

flexibility

personal support

since 1989

large warehouse

>180.000 valves

>1.200 storage places

> 40.000 pcs. OEM-products on stock

spare parts from stock

direct access to:

factory

foundry

large capacities in Asia



acc. to **PED 2014/68/EU**  
Pressure Equipment Directive



stem sealing system for valves with ISO-mounting plate acc. **TA-Luft**



management system acc. to **ISO 9001:2015**



seats & seals for hygienic applications comply with the requirements of the Food and Drug Administration



manufacturers declaration on EU Directive **2014/34/EU (ATEX)**



seats & seals for **food- & pharmaceutical applications** comply with the requirements of (EC) **1935:2004**



Fire-Safe-Design:  
fire-safe certification acc. to British Standard **BS 6755 T.2 & ISO 10497**



oil- & grease free / silicone-free



## 1- & 2-pc design ball valves

manual operated

|                                                                                     |                                                                                                                                         |                |
|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|----------------|
|    | <b>VL-201T-M</b><br>1-piece design, reduced bore<br>DN8 (1/4") to DN50 (2")<br>BSPT-thread (DIN2999)                                    | PN63           |
|    | <b>VL-401T-M</b><br>2-piece design, full bore<br>DN8 (1/4") to DN80 (3")<br>BSPT-thread (DIN2999)                                       | PN63           |
|    | <b>VL-451T-M</b><br>economy-series<br>2-piece design, full bore<br>DN8 (1/4") to DN50 (2")<br>BSPT-thread (DIN2999)                     | PN63           |
|    | <b>VL-K451T-M</b><br>K-series ball valve<br>DN8 (1/4") to DN50 (2")<br>BSPT-thread (DIN2999)<br>length acc DIN3202-M3                   | PN63           |
|    | <b>VL-402T-M</b><br>2-piece design, full bore<br>DN8 (1/4") to DN50 (2")<br>BSPT-thread (DIN2999)<br>length acc DIN3202-M3              | PN100          |
|  | <b>VL-160F-M</b><br>compact flange ball valve<br>DN15 (1/2") to DN100 (4")<br>flange acc EN1092-1                                       | PN16 /<br>PN40 |
|  | <b>VLA-140F-M</b> antistatic<br>compact flange ball valve<br>DN15 (1/2") to DN200 (8")<br>flange acc EN1092-1<br>ISO5211 mounting plate | PN16 /<br>PN40 |

for automation

|                                                                                     |                                                                                                                                             |                |
|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|----------------|
|  | <b>VL-421T</b><br>2-piece design, full bore<br>ISO5211-mounting plate<br>DN8 (1/4") to DN50 (2")<br>BSPT-thread (DIN2999)                   | PN63           |
|  | <b>VL-422T</b><br>2-piece design, full bore<br>DN8 (1/4") to DN50 (2")<br>BSPT-thread (DIN2999)<br>length acc DIN3202-M3                    | PN100          |
|  | <b>VLA-140F</b> antistatic<br>compact flange ball valve<br>DN15 (1/2") to DN200 (8")<br>flange acc EN1092-1<br>ISO5211 mounting plate       | PN16 /<br>PN40 |
|  | <b>VLA-140F-CS</b> antistatic<br>compact flange, 1.0619 / WCB<br>DN15 (1/2") to DN200 (8")<br>flange acc EN1092-1<br>ISO5211 mounting plate | PN16 /<br>PN40 |

## 3-pc modular-design ball valves

manual operated

|                                                                                    |                                                                                                                  |                        |
|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|------------------------|
|  | <b>VL-501B-M</b><br>full bore<br>DN8 (1/4") to DN100 (4")<br>butt-weld-end<br>length acc DIN3202-S13             | PN63                   |
|  | <b>VL-501T-M</b><br>full bore<br>DN8 (1/4") to DN100 (4")<br>BSPT-thread (DIN2999)<br>length acc DIN3202-M3      | PN63                   |
|  | <b>VL-501B-ISO-M</b><br>full bore<br>DN8 (1/4") to DN100 (4")<br>welding end acc ISO1127                         | PN63                   |
|  | <b>VL-501BL-M</b><br>full bore<br>DN8 (1/4") to DN100 (4")<br>butt-weld-end extra long<br>for assembly in place  | PN63                   |
|  | <b>VL-540F-M</b><br>full bore<br>DN15 (1/2") to DN100 (4")<br>flange acc EN1092-1<br>length acc EN558-1 series 1 | PN40<br>FTF:<br>F1 / 1 |

for automation

|                                                                                      |                                                                                                                            |                        |
|--------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|------------------------|
|  | <b>VLA-521B</b> antistatic<br>full bore<br>DN8 (1/4") to DN100 (4")<br>butt-weld-end<br>ISO5211 mounting plate             | PN63                   |
|  | <b>VL-521B-ISO-SS</b><br>full bore<br>DN8 (1/4") to DN100 (4")<br>welding end acc ISO1127<br>acc FDA-requirements          | PN63<br>FDA            |
|  | <b>VLA-521T</b> antistatic<br>full bore<br>DN8 (1/4") to DN100 (4")<br>BSPT-thread (DIN2999)<br>ISO5211 mounting plate     | PN63                   |
|  | <b>VLA-521BL</b> antistatic<br>full bore<br>DN8 (1/4") to DN100 (4")<br>butt-weld-end extra long<br>ISO5211 mounting plate | PN63                   |
|  | <b>VLA-521F</b> antistatic<br>full bore<br>DN15 (1/2") to DN100 (4")<br>flange acc EN1092-1<br>length acc EN558-1 series 1 | PN40<br>FTF:<br>F1 / 1 |
|  | <b>VL(A)-5_1_</b> (antistatic)<br>customized versions<br>also available                                                    | PN16<br>PN40<br>PN63   |

## 3-pc design ball valves

manual operated

|                                                                                     |                                                                                                                        |      |
|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|------|
|  | <b>VL-551B-M</b><br>economy-series<br>full bore<br>DN8 (1/4") to DN50 (2")<br>butt-weld-end                            | PN63 |
|  | <b>VL-551T-M</b><br>economy-series<br>full bore<br>DN8 (1/4") to DN50 (2")<br>BSPT-thread (DIN2999)                    | PN63 |
|  | <b>VL-K551B-M</b><br>K-series ball valve<br>DN8 (1/4") to DN100 (4")<br>butt-weld-end<br>length acc DIN3202-S13        | PN63 |
|  | <b>VL-K551T-M</b><br>K-series ball valve<br>DN8 (1/4") to DN100 (4")<br>BSPT-thread (DIN2999)<br>length acc DIN3202-M3 | PN63 |

## compact-flange ball valves

manual operated

|                                                                                       |                                                                                                                                         |                |
|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|----------------|
|   | <b>VL-160F-M</b><br>compact flange ball valve<br>DN15 (1/2") to DN100 (4")<br>flange acc EN1092-1                                       | PN16 /<br>PN40 |
|  | <b>VLA-140F-M</b> antistatic<br>compact flange ball valve<br>DN15 (1/2") to DN200 (8")<br>flange acc EN1092-1<br>ISO5211 mounting plate | PN16 /<br>PN40 |

for automation

|                                                                                       |                                                                                                                                                          |                |
|---------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
|  | <b>VLA-140F</b> antistatic<br>compact flange ball valve<br>DN15 (1/2") to DN200 (8")<br>flange acc EN1092-1<br>ISO5211 mounting plate                    | PN16 /<br>PN40 |
|  | <b>VLA-140F-CS</b> antistatic<br>compact flange ball valve<br>1.0619 / WCB<br>DN15 (1/2") to DN200 (8")<br>flange acc EN1092-1<br>ISO5211 mounting plate | PN16 /<br>PN40 |

## flanged ball valves

OPUS - series

|                                                                                       |                                                                                                                                                  |                               |
|---------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|
|    | <b>VLA-816KV</b> antistatic<br>2-pc-, Fire-Safe- design<br>DN15 (1/2") to DN100 (4")<br>flange acc EN1092-1<br>length acc EN558-1 series 27      | PN16<br>FTF:<br>F4 / 14<br>27 |
|    | <b>VLA-840KV</b> antistatic<br>2-pc-, Fire-Safe- design<br>DN15 (1/2") to DN100 (4")<br>flange acc EN1092-1<br>length acc EN558-1 series 27      | PN40<br>FTF:<br>F4 / 14<br>27 |
|    | <b>VLA-816LV</b> antistatic<br>2-pc-, Fire-Safe- design<br>DN15 (1/2") to DN100 (4")<br>flange acc EN1092-1<br>length acc EN558-1 series 1       | PN16<br>FTF:<br>F1 / 1        |
|    | <b>VLA-840LV</b> antistatic<br>2-pc-, Fire-Safe- design<br>DN15 (1/2") to DN100 (4")<br>flange acc EN1092-1<br>length acc EN558-1 series 1       | PN40<br>FTF:<br>F1 / 1        |
|    | <b>VLA-816SV</b> antistatic<br>2-pc-, Fire-Safe- design<br>DN125 (5") to DN200 (8")<br>flange acc EN1092-1<br>length acc EN558-1 series 27       | PN16<br>FTF:<br>F5 / 15<br>27 |
|  | <b>VLA-840SV</b> antistatic<br>2-pc-, Fire-Safe- design<br>DN125 (5") to DN200 (8")<br>flange acc EN1092-1<br>length acc EN558-1 series 27       | PN40<br>FTF:<br>F5 / 15<br>27 |
|  | <b>VLA-815RF</b> antistatic<br>2-pc-, Fire-Safe- design<br>DN15 (1/2") to DN200 (8")<br>flange acc ANSI B16.5 150LB<br>length acc ANSI Class 150 | ANSI<br>Cl. 150               |
|  | <b>VLA-830RF</b> antistatic<br>2-pc-, Fire-Safe- design<br>DN15 (1/2") to DN200 (8")<br>flange acc ANSI B16.5 300LB<br>length acc ANSI Class 300 | ANSI<br>Cl. 300               |

economy

|                                                                                       |                                                                                                     |      |
|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|------|
|  | <b>VL-851F-M</b><br>DN15 (1/2") to DN50 (2")<br>flange acc EN1092-1<br>2-flat-stem, mounting pad    | PN40 |
|  | <b>VL-851F-M</b><br>DN65 (2 1/2") to DN100 (4")<br>flange acc EN1092-1<br>2-flat-stem, mounting pad | PN16 |

## 3-way - ball valves

### reduced bore



**VLA-321T-L/T-M**  
with hand lever  
reduced bore  
DN8 (1/4") to DN50 (2")  
BSPT-thread (DIN2999)  
L- or T- bore

PN63



**VLA-321T-L/T** antistatic  
bare stem  
reduced bore  
ISO5211 mounting plate  
DN8 (1/4") to DN50 (2")  
BSPT-thread (DIN2999)  
L- or T- bore

PN63

### full bore / Z-series, modular system ball valves



**VL-Z328B-L/T-M**  
ISO5211 mounting plate  
with hand lever  
DN15 (1/2") to DN100 (4")  
butt-weld-end

PN40



**VL-Z328T-L/T-M**  
ISO5211 mounting plate  
with hand lever  
DN15 (1/2") to DN100 (4")  
BSPT-thread-end (DIN2999)

PN40



**VL-Z328SW-L/T-M**  
ISO5211 mounting plate  
with hand lever  
DN15 (1/2") to DN100 (4")  
socket-weld-end

PN40



**VL-Z328C-L/T-M**  
ISO5211 mounting plate  
with hand lever  
DN15 (1/2") to DN100 (4")  
tri-clamp-end

PN40



**VL-Z328B.O\_-L/T-M**  
ISO5211 mounting plate  
with hand lever  
DN15 (1/2") to DN100 (4")  
orbital-welding-end

PN40



**VL-Z328\_-L/T/X(-M)**  
free customizable types  
on request.

PN40

L- / T- or X- (double-L) bore

## 3-way - ball valves

### full bore / Z-series, modular system ball valves



**VL-Z316F-L/T(-M)**  
ISO5211 mounting plate  
hand lever optional  
DN15 (1/2") to DN200 (8")  
flange acc. EN1092-1  
antistatic design

PN16



**VL-Z340F-L/T(-M)**  
ISO5211 mounting plate  
hand lever optional  
DN15 (1/2") to DN200 (8")  
flange acc. EN1092-1  
antistatic design

PN40



**VL-Z315F-L/T(-M)**  
ISO5211 mounting plate  
hand lever optional  
DN15 (1/2") to DN200 (8")  
flange acc. ANSI Class 150  
L- or T- bore  
antistatic design

ANSI  
Cl. 150



**VL-Z330F-L/T(-M)**  
ISO5211 mounting plate  
hand lever optional  
DN15 (1/2") to DN200 (8")  
flange acc. ANSI Class 300  
L- or T- bore  
antistatic design

ANSI  
Cl. 300



**VL(A)-Z3\_F-L/T/X (-M)**  
ISO5211 mounting plate  
hand lever optional  
DN15 (1/2") to DN200 (8")  
L-/T- or X- bore  
antistatic design

PN16  
PN40  
ANSI  
Cl.150  
Cl.300



**VL-Z3\_F-L/T/X -FS (-M)**  
ISO5211 mounting plate  
hand lever optional  
DN15 (1/2") to DN200 (8")  
FIRE-SAFE-version  
L-/T- or X- bore  
antistatic design

PN16  
PN40  
ANSI  
Cl.150  
Cl.300

## hygienic / pharma - ball valves

### hygienic - series / EPI 3-pc- modular-design ball valves



**VL-521P-ISO-AS(-M)**  
full bore  
DN8 (1/4") to DN100 (4")  
orbital-welding end acc.  
**ISO 1127**  
- stainless steel 1.4435, delta-  
ferrite content <1%  
- e-polished surface  
- passage polished,  
roughness Ra ≤ 0,8 µm  
- PTFE-seats reinforced with  
stainless steel (PTFE-SS)  
- FDA - approval  
- EC1935 - approval

PN63  
FDA



**VL-521P-DIN-AS(-M)**  
full bore  
DN8 (1/4") to DN100 (4")  
orbital-welding end acc.  
**DIN 11850 - series 2**  
- stainless steel 1.4435, delta-  
ferrite content <1%  
- e-polished surface  
- passage polished,  
roughness Ra ≤ 0,8 µm  
- PTFE-seats reinforced with  
stainless steel (PTFE-SS)  
- FDA - approval  
- EC1935 - approval

PN63  
FDA



**VL-521P-ASME-AS(-M)**  
full bore  
DN8 (1/4") to DN100 (4")  
orbital-welding end acc.  
**ASME BPE**  
- stainless steel 1.4435, delta-  
ferrite content <1%  
- e-polished surface  
- passage polished,  
roughness Ra ≤ 0,8 µm  
- PTFE-seats reinforced with  
stainless steel (PTFE-SS)  
- FDA - approval  
- EC1935 - approval

PN63  
FDA



## check valves

### check valves



**RV-600**  
Y-type check valve  
DN8 (1/4") to DN50 (2")  
BSPT-thread (DIN2999)

PN40



**RVD-600**  
wafer disc check valve  
DN15 (1/2") to DN200 (8")  
spring loaded

PN40



**RV-540T/B**  
3-pc EPI modular-design system  
DN15 (1/2") bis DN100 (4")  
BSPT-thread, butt-weld end,  
flange & many more on request.

PN40

## other valves

### strainers



**YS-800**  
Y-type strainers  
DN8 (1/4") to DN50 (2")  
BSPT-thread (DIN2999)  
replaceable screens

PN40



**YS-850**  
Y-type strainers  
DN8 (1/4") to DN50 (2")  
BSPT-thread  
economy - series

PN40

### swing check valves



**SC-200**  
DN15 (1/2") to DN50 (2")  
BSPT-thread (DIN2999)

PN16



**SC-250**  
DN8 (1/4") to DN50 (2")  
BSPT-thread (DIN2999)  
economy - series

PN40

### gate valves



**GT-200**  
DN15 (1/2") to DN50 (2")  
BSPT-thread (DIN2999)

PN16



**GT-250**  
DN15 (1/2") to DN50 (2")  
BSPT-thread (DIN2999)  
economy - series

PN40

### globe valves



**GB-200**  
DN15 (1/2") to DN50 (2")  
BSPT-thread (DIN2999)

PN16



**GB-250**  
DN15 (1/2") to DN50 (2")  
BSPT-thread  
economy - series

PN16



## accessories

### stem extensions



type SE-100-CP(-M)

stem extensions, height 100 mm, for all ball valves with mounting plate acc. ISO5211.

consisting of stainless steel body, stem & lock nut, PTFE bushing.



F03-SW9

F04-SW9

F05-SW11

F05-SW14

F07-SW17

F10-SW22

F10-SW27

### metal plate hand levers



for 2-flat-stems



for square type stems (threaded stem required)



with locking device



### casting hand levers



Octagon-type universally applicable for all squared stems.

SW9 bis SW22

4-square- type universally applicable for all squared stems.

with locking device suitable for ISO5211 drillings.

optionally in e-polished version for hygienic ball valves.



## accessories

### other hand levers

spring return handles (dead man handles) for square stems on ISO5211 mounting plates or 2-flat stems.



other shapes and individual sleeves on request.



### seats & seals



PTFE / PTFE-FDA / RPTFE - seats & seals for all ball valves, antistatic device provides a conductive stem seal on top.



PTFE-SS / PTFE-SS-FDA- seats & seals PTFE reinforced with stainless steel for the ball seats, virgin-PTFE-seals and o-rings made of silicone meet the requirements for FDA approval.



PTFE-C - seats & seals PTFE, reinforced with carbon for the ball seats and PTFE- body seals.

suitable for steam applications .



PTFE-CF - seats & seals ball seats with cavity filler and body seals made of PTFE.

FDA-compliant version, also with stainless steel reinforced PTFE-seats, on request.



FIRE SAFE - seals for OPUS - ball valves.

### further sealing types and materials on request!

different sealing materials, such as PEEK, metal seats, TFM1600, glass fiber reinforced, special compounds and many more on request.

## automation center

with our own workshop and a group of well selected partners we form a qualified team for your individual modification requests.

- assembly of pneumatic or electric actuators
- assembly of limit switches with/without actuators, incl. all accessories, solenoid valves, etc.
- assembly with brackets, couplings, adapters, etc.
- test run and functional check
- individual project and system engineering



ready to use assembled automation units direct from our stock

all types of actuators and accessories, individual design of your automation solution.



pneumatic actuators single or double acting.



electronic actuators.



complete units with actuators, limit switches and all required accessories. All brands and types.

## preparation for automation & accessories

### assembly accessories



**brackets**  
For actuator or Limit switch assemblies in all common nominal sizes and mounting flange connections.



**couplings**  
for 2-flat- or square - stems, for assembling with brackets



**adapter & reduction sleeves**  
for square stems, adaption to different dimensions and/or mounting heights. Available in square- or double-square contour.



**mounting kits**  
brackets, couplings, stem-adapters, ISO-mounting adapter plates, etc. assembled ready for use, for your specific valve solution.



**pre-assembled units**  
pre-assembled valve units with brackets, couplings, adapters of all types, including fastening materials such as screws, nuts, etc.



**valve assembly**  
our valves are ready assembled from stock with all possible accessories, such as stem extensions, locking devices, etc.



**limit switches + options**  
our products, assembled from stock with your limit switches, brackets & all necessary accessories.

## spare- & individual parts

### individual & spare parts for EPI-ball valves

**spares & single parts** of our products - partially available from stock.



**stems**  
for replacement or modification of all available EPI- ball valves.

antistatic devices, drillings for automation assembly solutions, etc.



**standard - spare balls**  
with full- or reduced bore, for all standard product series.



**V-bore type spare balls**  
for flow rate control, on request for some product series.



**bolts & screws**  
for our 3-piece modular system ball valves  
nuts, washers, etc. for all ball valve series.



**caps**  
for our 3-piece modular system ball valves and hygienic series, all connection types.



**caps**  
for our 3-way modular system ball valves.



**center parts (body parts)**  
for our 3-piece modular system ball valves & hygienic ball valves, within ball, seats & seals, stems, etc.



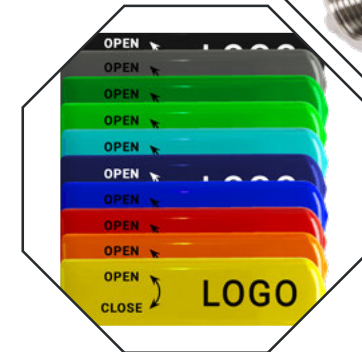
**locks & locking devices**  
for all our ball valves.

## customization

With our own fabrication and selected partners, we have qualified specialists for your individual project.

- hand levers, accessories acc. to customer design, with/without brand logo
- labeling in corporate design
- laser engraving of signs, hand levers, etc.
- TAG-labels (reference numbers, logo, specifications, etc.)
- packaging according to customer specifications with individual operating instructions and customized packaging.
- special design with individual connections according to customer specifications

out of consideration for existing contracts we cannot show all possibilities, but we are at your disposal for a personal discussion.  
For further information, please do not hesitate to contact us.



## special / OEM casting



**Get informed!**

**www.epi.de**



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**D- 76275 Ettlingen**



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