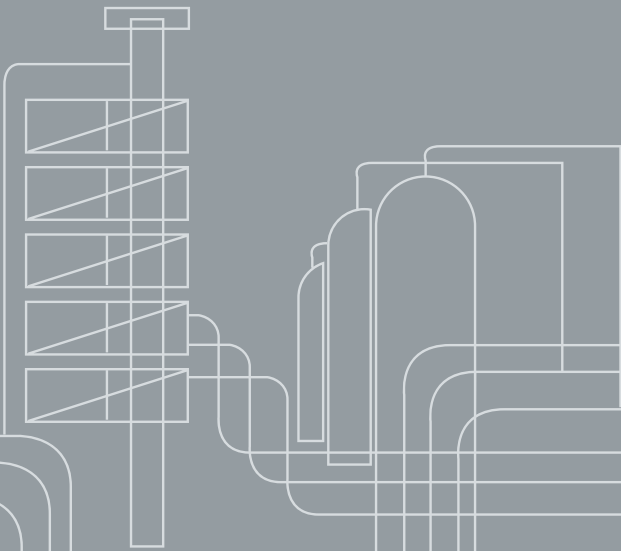


Comeval Valve Systems

Uniwat® - Diaval® - Uniflow® - Toraflex®



Valves and Flow Control Products
The wise choice





Partnership

Local Thinking

Global Network

Tradition

Dynamism

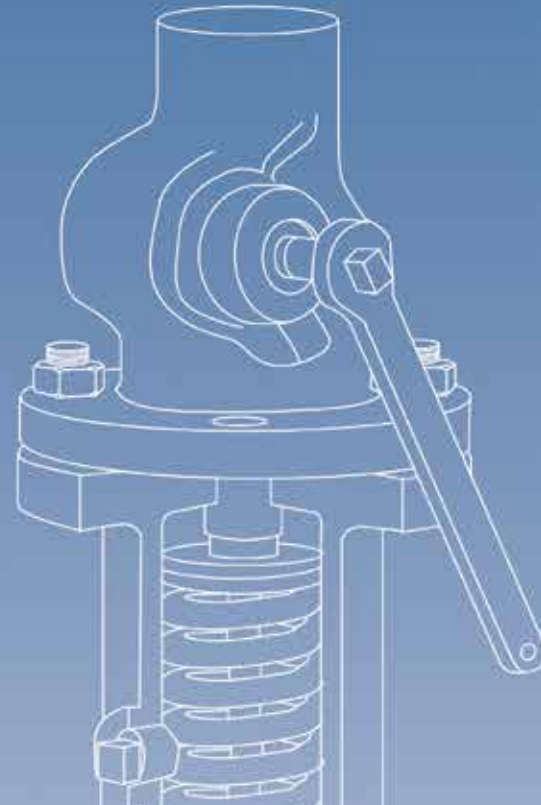


A truly global Group with coverage in more than 65 countries across the 5 continents



The Values of a Global Group

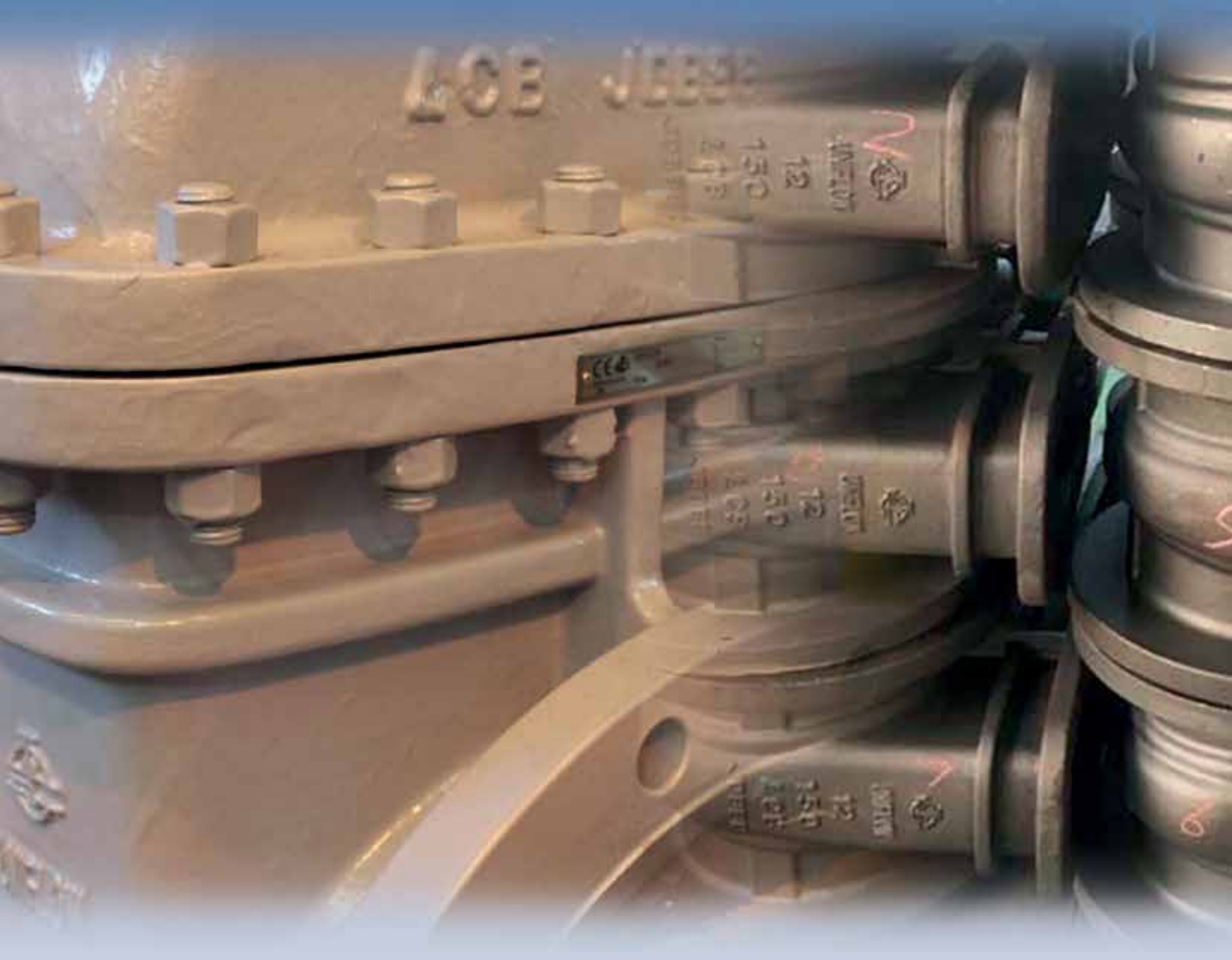
COMEVAL VALVE SYSTEMS is the strong partner you have always wanted to co-operate with. You may want to know that our roots go back to 1975 and our proven dynamism and flexibility have made us grow above average as well as extending our foothold across the five continents under the principle of “Think Globally, Act Locally”. That our multi-cultural and interdisciplinary staff make you feel part of this Organization since the very first day; Moreover YOUR concerns are OURS because our staff rely on you as a PARTNER and this is solidly based on our unique Corporate Vision to transform customers into sustainable and long term PARTNERS.



If our Values, Vision and Business Principles are not simply enough, you may also want to know that COMEVAL VALVE SYSTEMS is part of the ARI ARMATUREN International Group of Companies which provides us with the extra mile in strength as a multinational company with global reach. Wherever you are you will always have our presence to your benefit. You are more than welcome to explore our Company Values, philosophy, products, services and other features throughout these pages; take it as an open invitation to become another one of our satisfied partners around the world.



Comeval Valve Systems



Uniflow[®]

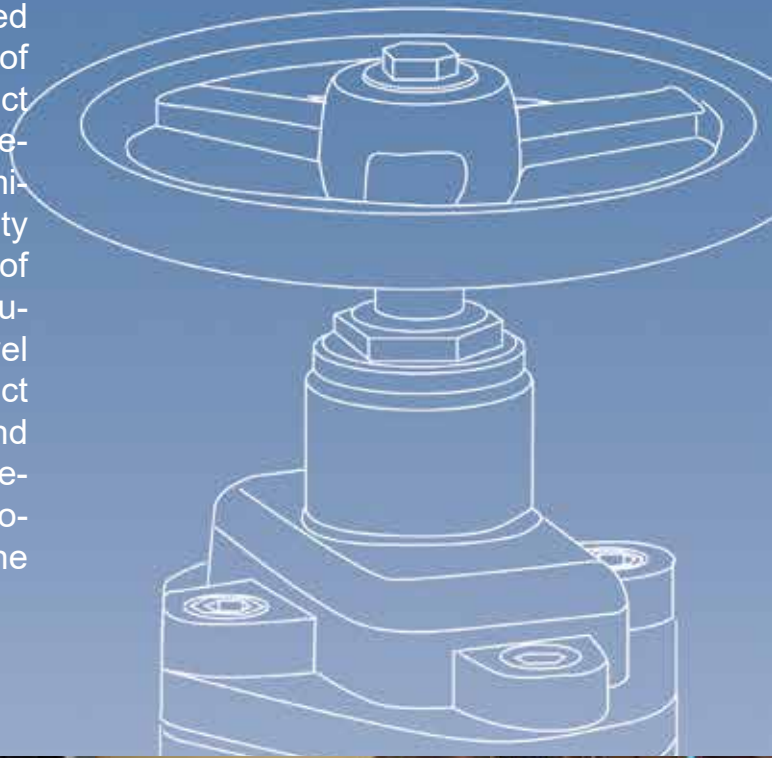
Uniwat[®]

Diaval[®]

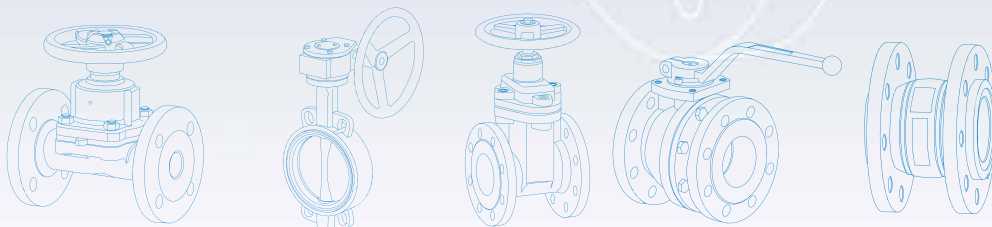
Toraflex[®]



Our specialized team of engineers is devoted to the perfection of design in each and all of our manufactured brands. Through a strict process of QC on castings that are comprehensive of complete mechanical and chemical analysis we are ensuring the traceability for each component. Serialized machined of parts, kitting and assembly are globally outplacated with the aim of meeting the right level of competitiveness. Our products are subject to computer monitored pressure tests and very strict Non Destructive Examinations before preservation and packing. A well flown logistics enables the supply chain to have the product just in time for you.



This is how our Private Label products are devised and placed at our Partners availability with the goal of offering selected products with a high standard of quality, approvals and appealing price. Design and products legalization in compliance with the applicable Standards, Technical Rules and Approvals are ensured by our in house experts. Our Brands are protected by registration to ensure our Partners security throughout their co-operation with us.





ON / OFF Service
Automation Packages
Valve Modification
Overhauling
Leakage Detection



After Market Service

Offsite; Our manufactured products are enriched with highly specialized operations performed at our state-of-the-art workshop for example actuator packages*, stem extensions, flange drillings, valve ends machining, degreasing and painting and many others. These valve modification processes are covered by with our guarantee as a genuine unit. We are processing thousands of valve repairs and overhauling in our well-equipped workshop including valve seat renewal and rubber linings.

() Multiturn Electric Actuators (i.e ROTORK, AUMA, SCHIEBEL)
Linear thrust Pneumatic Actuators (ARI DP) and Quarter Turn
Pneumatic Actuators (COMEVAL badged).*



On site; Our service engineers are dispatched to perform site operations such as repair valve atmospheric leakages, retrofit actuation, application advice and others. All our service operations are proven with engineering documentation and guarantee support. Genuine spare parts and additional components are always available for prompt service.



Power

Marine and Industry

HVAC

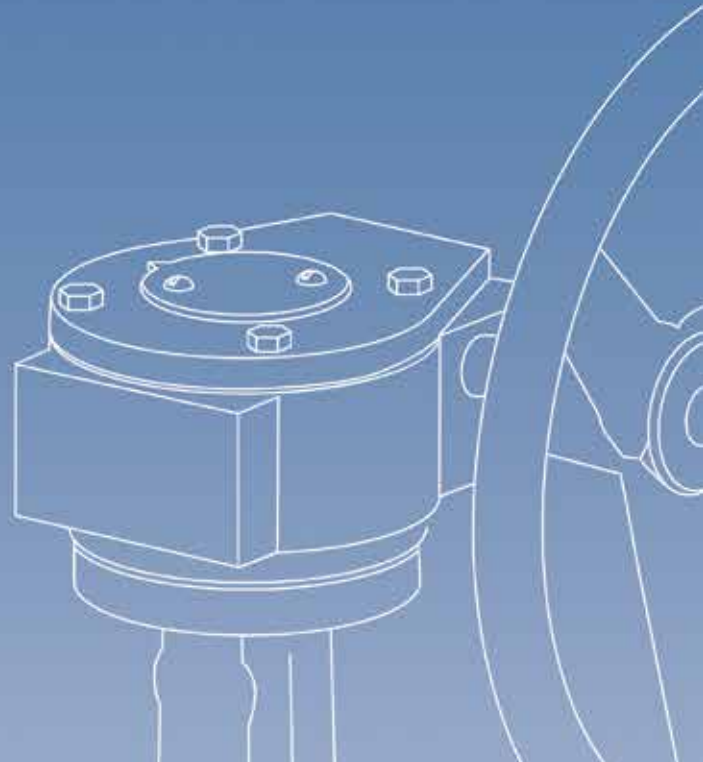
Process

Water Works

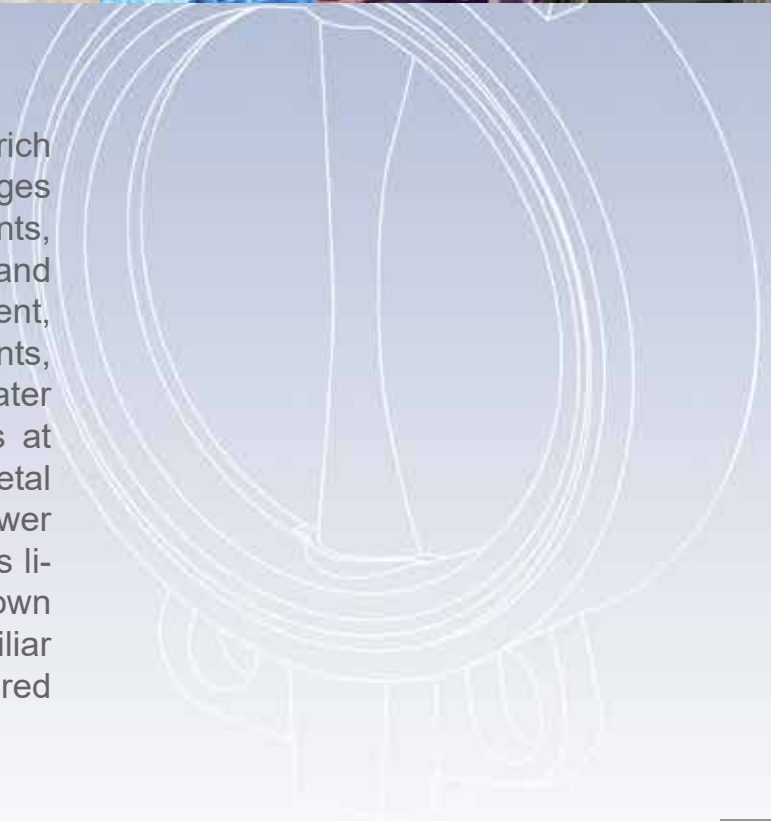


Market Sectors

Whether isolation or check valves we are manufacturing above average quality products that can be encountered on a vast number of sites all over the world within the market segments of Water Works, HVAC, Power and Process Industry (pulp and paper, mining, fertilizers, lubrication, petrochemical, raw chemical.). Along with our international partners we have built up a wide reference list comprehensive of well-known sites mainly placed in Europe, the Middle East, Africa and South America. A list that reflects the trust our customers place on our Company products and services.



Our Portfolio of manufactured brands is rich enough to offer complete valve packages in a single project within diverse segments, for example; automated water metering and pumping stations in the Irrigation segment, sewage lines at waste treatment plants, pressure and flow management at water ducts, inexpensive rubber lined valves at the highly abrasive mining industry, metal seated valves for steam service in power plants and heating processes as well as light duties in the building sector. Our own products are completed with other familiar products and brands as and when required by our partners.





Rugged Valves, built to last – a vast portfolio designed in conformity with EN and ASME / API standards.

Valves for General Industry and Power



Ensure your traceability!

Uniflow®



API / EN Industrial Valves

Gate Valves
Series 90, 91, 92, 94

2" - 48" / DN50 - DN1200 / Class 150-2500 / PN16-420 / Connections RF, RTJ, BW / Standard Design: API 600 / API 6D / ASME B16.34 /



Standard Features:

- Metal seated, bidirectional
- OS&Y, pressure seal design for high ratings
- Rising stem
- Back seating design
- Flexible wedge
- Threaded, welded or integral seat

Options:

- Non-rising stem
- Solid wedge
- Bellows seal (Fig. 94)
- Top arrangement for actuator assembly
- Pneumatic, electric or hydraulic actuation
- Lock device, chainwheel
- Position indicator, limit switches
- Packing with lantern ring
- Live load packing
- Bypass line, drain device available
- Extended bonnet and stem for cryogenic application
- Jacketed body
- Vacuum service design
- Manufacturing to NACE MR0175
- Special execution for outdoors/corrosive atmosphere, high temperature service, etc.

Globe Valves
Series 80, 81, 82, 83, 84, 85, 86

2" - 24" / DN50 - DN600 / Class 150-2500 7 PN16-420 / Connections RF, RTJ, BW / Standard Design: BS 1873 / ASME B16.34 /



Standard Features:

- Metal seated, unidirectional
- OS&Y, pressure seal design for high ratings
- Non-rising stem and handwheel
- Back seating design
- Threaded, welded or integral seat

Options:

- Rising stem and handwheel
- Parabolic plug for throttling/regulating function
- Top arrangement for actuator assembly
- Pneumatic, electric or hydraulic actuation
- Lock device, chainwheel
- Position indicator, limit switches
- Packing with lantern ring
- Live load packing
- Bypass line, drain device available
- Jacketed body
- Extended bonnet and stem for cryogenic application
- Vacuum service design
- Manufacturing to NACE MR0175
- Special execution for outdoors/corrosive atmosphere, high temperature service, etc.

Ball Valves
Series BV BF

3/8" - 10" / DN10 - DN250 / Class 150-600 / PN16-100 / Connections RF, RTJ, BW / Standard Design: API6D / ASME B16.34 /



Standard Features:

- Metal or soft seated, bidirectional
- 2 pieces or 3 pieces body
- Full bore or reduced bore
- Solid or light ball
- Blow-out proof stem
- Body cavity pressure relief

Options:

- Anti-static design
- Drain and vent connections
- Injection sealing
- Top arrangement to ISO 5211 for actuator assembly
- Lock device, chainwheel
- Position indicator, limit switches
- Live load packing
- Fully welded construction
- Bypass line
- Jacketed body
- Underground application structure available
- Cryogenic design, vacuum service design
- NACE MR0175 design
- Fire safe design to API 6FA
- Special execution for outdoors/corrosive atmosphere, high temperature service, etc.

Check Valves
Series 3S, 31

2" - 36" / DN50 - DN900 / Class 150-2500 / PN16-420 / Connections RF, RTJ, BW / Standard Design: API 6D / ASME B16.34 /



Standard Features:

- Metal seated
- Pressure seal design for high ratings
- Full bore design

Options:

- Counterweight and hydraulic
- Tilting design
- Jacketed body
- Special execution for outdoors/corrosive atmosphere, high temperature service, etc.



* Other complementary UNIFLOW products on demand: Plug Valves



API / EN Industrial Valves

Forged Gate Valves Series 99

3/8" - 2" / DN10 - DN50 / Class 800-2500 / Connections RF, BW, SW, BSPP, BSPT, NPT / Standard Design: API 602 / ASME N16.34

Features/Options:

- Metal seated, bidirectional
- OS&Y, pressure seal design for high ratings
- Rising stem
- Back seating design
- Flexible or solid wedge
- Threaded, welded or integral seat
- Operation by Handwheel or Gear



Options:

- Flexible wedge
- Top arrangement for actuator assembly
- Pneumatic, electric or hydraulic actuation
- Lock device, chainwheel
- Position indicator, limit switches
- Packing with lantern ring
- Live load packing
- Bypass line, drain device available
- Extended bonnet and stem for cryogenic application
- Vacuum service design
- Manufacturing to NACE MR0175
- Special execution for outdoors/corrosive atmosphere, high temperature service, etc.

Forged Globe Valves Series 89

3/8" - 2" / DN10 - DN50 / Class 800-2500 / Connections RF, BW, SW, BSPP, BSPT, NPT / Standard Design: API 602 / ASME N16.34

Features/Options:

- Metal seated, unidirectional
- OS&Y, pressure seal design for high ratings
- Rising stem and handwheel
- Back seating design
- Parabolic plug for throttling/regulating function
- Threaded, welded or integral seat
- Operation by Handwheel or Gear



Options:

- Top arrangement for actuator assembly
- Pneumatic, electric or hydraulic actuation
- Lock device, chainwheel
- Position indicator, limit switches
- Packing with lantern ring
- Live load packing
- Bypass line, drain device available
- Extended bonnet and stem for cryogenic application
- Vacuum service design
- Manufacturing to NACE MR0175
- Special execution for outdoors/corrosive atmosphere, high temperature service, etc.

Forged Check Valves Series 39 / 35

3/8" - 2" / DN10 - DN50 / Class 800-2500 / Connections RF, BW, SW, BSPP, BSPT, NPT / Standard Design: API 602 / ASME N16.34

Features/Options:

- Metal seated
- Pressure seal design for high ratings
- Regular port design
- Piston or swing check design



Options:

- Special execution for outdoors/corrosive atmosphere, high temperature service, etc.

Forged Y-Strainers Series F9

3/8" - 2" / DN10 - DN50 / Class 800-2500 / Connections RF, BW, SW, BSPP, BSPT, NPT / Standard Design: BS 5352 / ASME B16.34

Features/Options:

- Replaceable screen
- Screen made of wire mesh or perforated basket, with full range of available commercial widths/perforations
- Bolted cover or pressure seal cover for high sizes/ratings



Options:

- Special execution for outdoors/corrosive atmosphere, high temperature service, etc.



* Other complementary UNIFLOW products on demand:
Plug Valves



API / EN Industrial Valves

Y-Strainers Series F0

2" - 24" / DN50 - DN600 / Class 150-600 / PN16-100 / Connections RF, RTJ, BW / Standard Design: API 6D / ASME B16.34 /



Features/Options:

- Replaceable screen
- Screen made of wire mesh or perforated basket, with full range of available commercial widths/perforations
- Bolted cover or pressure seal cover for high sizes/ratings

Options:

- Special execution for outdoors/corrosive atmosphere, high temperature service, etc.

Dual Plate Check Valves Series DP

2" - 24" / DN50 - DN600 / Class 150-2500 7 PN16-420 / Connections RF, RTJ, BW / Standard Design: BS 1873 / ASME B16.34 /



Standard Features:

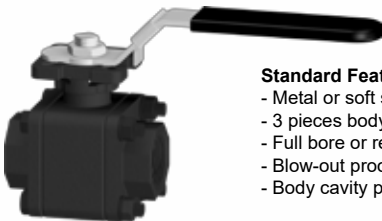
- Retainless design
- Metal seated

Options:

- Special execution for outdoors and corrosive atmosphere, high temperature service, etc

Forged Ball Valves Series BV B8

3/8" - 2" / DN10 - DN50 / Class 800-2500 / Connections RF, BW, SW, BSPP, BSPT, NPT / Standard Design: API 6D / ASME N16.34



Standard Features:

- Metal or soft seated, bidirectional
- 3 pieces body
- Full bore or reduced bore
- Blow-out proof stem
- Body cavity pressure relief

Options:

- Anti-static design
- Drain connection
- Top arrangement to ISO 5211 for actuator assembly
- Lock device, chainwheel
- Position indicator, limit switches
- Fully welded construction
- Cryogenic design, vacuum service design
- NACE MR0175 design
- Fire safe design to API 6FA
- Special execution for outdoors/corrosive atmosphere, high temperature service, etc.

Trunnion Ball Valves Series BV BT

2" - 36" / DN50 - DN900 / Class 150-2500 / PN16-420 / Connections RF, RTJ, BW / Standard Design: API6D / ASME B16.34 /

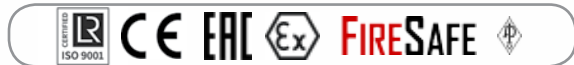


Standard Features:

- Metal or soft seated, bidirectional
- 2 pieces or 3 pieces body
- Full bore or reduced bore
- Solid or light ball
- Blow-out proof stem
- Body cavity pressure relief
- Cast or forged material

Options:

- Anti-static design
- Top or side entry
- Double block and bleed feature (DBB)
- Double piston effect function (DPE)
- Drain and vent connections
- Injection sealing
- Top arrangement to ISO 5211 for actuator assembly
- Lifting lugs and supporting feet
- Lock device, chainwheel
- Position indicator, limit switches
- Live load packing
- Fully welded construction
- Bypass line
- Jacketed body
- Underground application structure available
- Cryogenic design, vacuum service design
- NACE MR0175 design
- Fire safe design to API 6FA
- Special execution for outdoors/corrosive atmosphere, high temperature service, etc.



* Other complementary UNIFLOW products on demand:
Plug Valves



Low cost maintenance Valves. The inexpensive answer to abrasion and corrosion in process plants.

Valves for Mining, Sewage, Chemicals and General Processes

DIAVAL® SD00AS15D20125		DN125
• EAC	PSmax: 6bar	TS: 55°C
www.comeval.es	PS: 3,5bar	TSmax: 100°C -10°C
Y.17-00247-006	FED 2014/68/EU Art. 4-P.3 SEP	

Ensure your traceability!

Diaval®



Diaphragm Valves

Weir type - Threaded

DN10 - DN80 / PN10-16 / Threaded ends to BSP (BS 21 parallel or taper), NPT (ANSI B1.20.1) / Marking: EN19 / Pressure Tests: EN12266-1

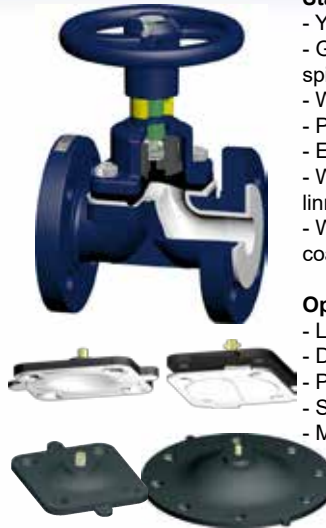


- Standard Features:**
- Closure Diaphragms
 - Grease reservoir integrated in the spindle chamber
 - Yellow position indicator
 - Witness hole
 - Precise compressor plate
 - Ergonomic handwheel

- Options:**
- Limit switches
 - Different actuation
 - Padlocking or handwheel hood
 - Special sealed bonnet

Weir type - Flanged

DN15 - DN300 / PN4-16 / Flanged to EN1092-2 type 21/B, PN10/16 / Marking: EN19 / Pressure Tests: EN12266-1 / BS 5156 EN558-1 face to face length



- Standard Features:**
- Yellow position indicator
 - Grease reservoir integrated in the spindle chamber
 - Witness hole
 - Precise compressor plate
 - Ergonomic handwheel
 - Wide range of rubber diaphragm and linings
 - Wide range of PTK diaphragm and coated

- Options:**
- Limit switches
 - Different actuation
 - Padlocking or handwheel hood
 - Special sealed bonnet
 - Moved closed diaphragm

Straight Through - Flanged

DN25 - DN350 / PN3,5-10 / Flanged to EN1092-2 type 21/B, PN10/16 / Marking: EN19 / Pressure Tests: EN12266-1 / BS 5156 EN558-1 face to face length



- Standard Features:**
- Yellow position indicator
 - Grease reservoir integrated in the spindle chamber
 - Witness hole
 - Wide range of rubber & fluoropolimer-diaphragm also halar lining Diaphragms
 - Precise compressor plate
 - Ergonomic handwheel

- Options:**
- Different connections
 - Limit switches
 - Different actuation
 - Padlocking or handwheel hood
 - Special sealed bonnet

Weir and Straight Through type - with Pneumatic Actuator

DN15 - DN300 / Visual and Functional Tests: EN12266-1




- Standard Features:**
- Grease reservoir integrated in the spindle chamber
 - Rolling diaphragm design
 - Single acting (Direct and reverse actions)
 - Visual position indicator
 - Burnished stem protected by bellow.
 - Maintenance-free O-ring sealing with flexible guiding

- Options:**
- Assembly of additional accessories: limit switches, proximity sensors, solenoid valves, air speed regulators, positioners...
 - Top mounted emergency handwheels for manual operation.





 **UNIWAT® 504E0000250150 DN150**
• www.cometal.es EPDM PN25 TS: -10°C/80°C •
Art. 4-Parr. 3 SEP Y.17-01444-001

Ensure your traceability!

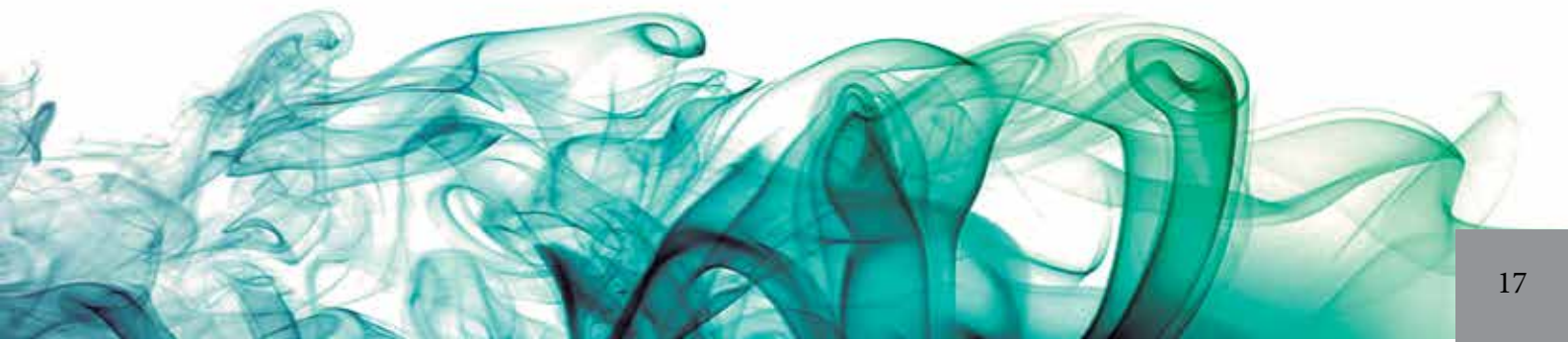
Uniwat®





Maximizing your choice to furnish flow control products in the Water Works segment.

Valves and control systems for virtually any application in the Water Works Segment.





Butterfly Valves and Strainers

Series VF700 Wafer Style Centric Butterfly Valves / Series VF750 Lug Style Centric Butterfly Valves

DN 25/1200 – PN 10/16 or ASA150 – ISO 5211 – Marking EN 19 – Pressure Tests: EN 12266-1



Materials of Construction Body and Disc: EN-JL1040 (GG25), EN-JS1030 (GGG40), St. Steel CF8M, ASTM A216 WCB
Materials of seat liner: EPDM, NBR, VITON, Silicon, PTFE...
Actuation: Notch lever, Worm Gear, Actuators
Standard Paint: Epoxy powder paint

Options:
- WRAS approval
- Silicone free execution
- Extended spindle
- Operation locking device
- Limit switches

Series VF790 Double Flange Centric Butterfly Valves

DN 150/1200 – PN 10/16 or ASA150 – ISO 5211 – Marking EN 19 – Pressure Tests: EN 12266-1



Materials of Construction Body and Disc: EN-JL1040 (GG25), EN-JS1030 (GGG40), St. Steel CF8M, ASTM A216 WCB
Materials of seat liner: EPDM, NBR, VITON, Silicon, PTFE...
Actuation: Notch lever, Worm Gear, Actuators
Standard Paint: Epoxy powder paint

Options:
- WRAS approval
- Silicone free execution
- Extended spindle
- Operation locking device
- Limit switches

Series VF791 Double Flange Double Eccentric Butterfly Valves

DN 100/1200 – PN 10/16 – ISO 5211 – Flanges EN1092-2 type 21/B, PN16 – Marking EN 19 – Pressure Tests: EN 12266-1



Materials of Construction Body and Disc: EN-JS1030 (GGG40), St. Steel CF8M, ASTM A216 WCB
Materials of sealing ring: EPDM, NBR, VITON, Hypalon, Heat EPDM...
Actuation: Worm Gear, Actuators
Standard Paint: Epoxy powder paint

Options:
- Higher service pressure rating
- Other connections
- Limit switches

Y and T Strainers - SERIES 630W

DN15 - DN600 / PN16 / Flanged to EN1092-2 type 21/B / Marking: EN19 / Pressure Tests: EN12266-1



Standard Features:
- Ample body design
- Drainage plug
- Bolted cover
- Bolting in St. Steel
- Rugged stainless steel perforated basket
- Epoxy coat

Options:
- WRAS approval
- Special screens, e.g. for vacuum service





Gate, Check and Control Valves

Resilient Seated Gate Valves - SERIES 504/505/507

DN40 - DN1000 / PN10-16 / Flanged to EN1092-2 type 21/B, PN16 / Marking: EN19 / Pressure Tests: EN12266-1



Standard Features:

- Triple O-ring stem
- Non rising stem (504) rising stem (507)
- Removable bushing
- Full bore
- Rubber wedge
- Round rubber gasket on recess in bonnet
- Epoxy coat

Options:

- WRAS approval & compliance with EN 1171, EN 1074-1/2, ACS approval
- Limit switches
- Electric actuators
- Lock device, chainwheel
- FTF to BS5163

Metal Seated Gate Valves - SERIES 91 / 504B

DN50 - DN300 / PN40 (91) - PN25 (504B) / Flanged to EN1092-1 type 21/B, PN16 / Marking: EN19 / Pressure Tests: EN12266-1



Standard Features:

- Non rising stem
- Removable bushing
- Full bore
- Metal seated, bidirectional
- Cast Iron (504B)
- Cast steel (91)
- Epoxy coat
- Face to face to EN558 S15 (F5)

Options:

- Higher service temperatures
- Limit switches
- Electric actuators
- Lock device, chainwheel
- WRAS approval (504B)
- Other face to face length on request

Resilient Seated Check Valves - SERIES 3240 / 3141 / 5107

DN32 - DN300 / PN10-16 / Flanged to EN1092-2 type 21/B, PN10/16 / Female thread to ISO 228-1 (DIN259-BSPP) / Marking: EN19 / Pressure Tests: EN12266-1



Standard Features:

- Callibrated rubber lined ball
- Bolting in St. Steel
- Unobstructed full bore, self cleaning
- Rubber lined disc
- Drainage screw
- Internal parts can easily be reached and replaced in line without special tools
- Epoxy coat

Options:

- WRAS approval
- Other designs
- Manual opening of disc



Control Valves - SERIES ATHENA / FOX / XLC

DN25-300 ATHENA, DN25-400 (FOX), DN40-400 (XLC) / PN10-16 (consult for upper design pressures) / Flanged to EN1092-2 type 21/B, PN10/16 / Female thread to ISO 228-1 (DIN259-BSPP) 1"-1 1/4" / Marking: EN19 / Pressure Test: EN12266-1



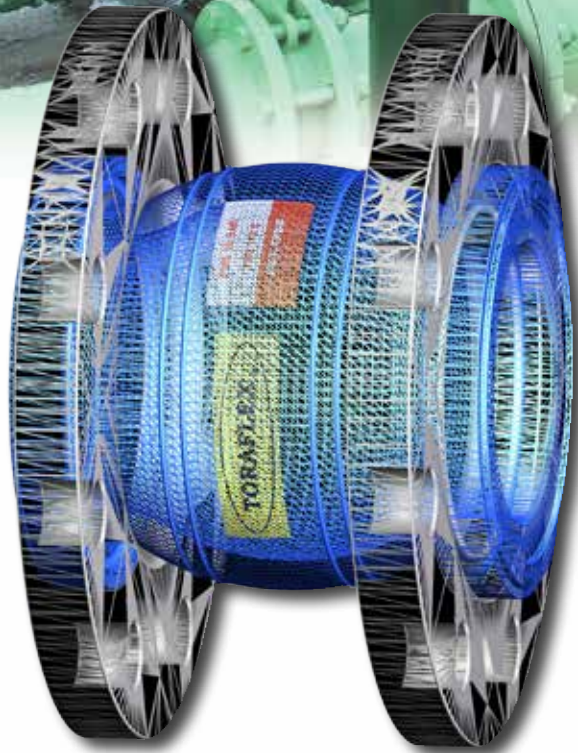
Standard Features:

- Epoxy coated by fluidized bed technology
- ATHENA: Trim in st. steel & bronze, 3 ways design for 90° or straight installation, Rotable level 45-90°
- XLC: High variety of setups for specific applications (pressure reducing / sustaining, flow limiter, level control...), Circuits, visual position indicator & bolting in st. steel

Options:

- Flanges drilled to ANSI 150
- FOX: Kits for only discharge/inflow, submerge and anti-slam applications
- ATHENA: Anti-freezing kit
- XLC: Proximity switches, Anti-slam and severe cavitation prevention





Flexing pipe work systems throughout our quality rubber joints. Technology and Know-How.

Rubber Expansion Joints for Water Works, Industrial and Marine Systems and HVAC Pipe Networks

Toraflex®



Rubber Expansion Joints

S10 Single sphere Expansion Joints

DN25 - DN1200 / PN10-16 / Flanged to EN1092-2 type 21/B, PN10/16 / Marking: EN19 / Pressure Tests: EN12266-1



- Loose flanges for easy assembly.
- Precision injection molded of synthetic rubber and nylon.
- 4 different allowable movements: axial compression and expansion, lateral and angular deflection.
- Outer layer protects the bellows surface from eventual ozone attack.
- Spherical design for better strength and efficiency.
- WRAS approval.

S15 Single sphere Expansion joint, single length

DN25 - DN300 / PN10-16 / Flanged to EN1092-2 type 21/B, PN10/16 / Marking: EN19 / Pressure Tests: EN12266-1



- Loose flanges for easy assembly.
- Precision injection molded of synthetic rubber and nylon.
- 4 different allowable movements: axial compression and expansion, lateral and angular deflection.
- Outer layer protects the bellows surface from eventual ozone attack.
- Spherical design for better strength and efficiency.
- WRAS approval.

S20 Double Sphere Expansion Joints

DN25 - DN600 / PN10-16 / Flanged to EN1092-2 type 21/B, PN10/16 / Marking: EN19 / Pressure Tests: EN12266-1



- Loose flanges for easy assembly.
- Precision injection molded of synthetic rubber and nylon.
- 4 different allowable movements: axial compression and expansion, lateral and angular deflection.
- Outer layer protects the bellows surface from eventual ozone attack.
- Spherical design for better strength and efficiency.
- Double sphere design allows greater axial, lateral and angular movements subject to less effort and material wearing down during movements.
- With optional root ring.
- WRAS approval.

S30 Threaded unions Expansion Joints

DN25 - DN1200 / PN10-16 / Threaded to EN10266-1, GAS-Rp-BSP/ Marking: EN19 / Pressure Tests: EN12266-1



- Light and easy to install.
- Precision injection molded of synthetic rubber and nylon.
- Outer layer protects the bellows surface from eventual ozone attack.
- Spherical design for better strength and efficiency.
- Double sphere design allows greater axial, lateral and angular movements subject to less effort and material wearing down during movements.
- With root ring as standard.
- WRAS approval.



* Other TORAFLEX products: Metal Compensators S500



Web Sites
www.comeval.es

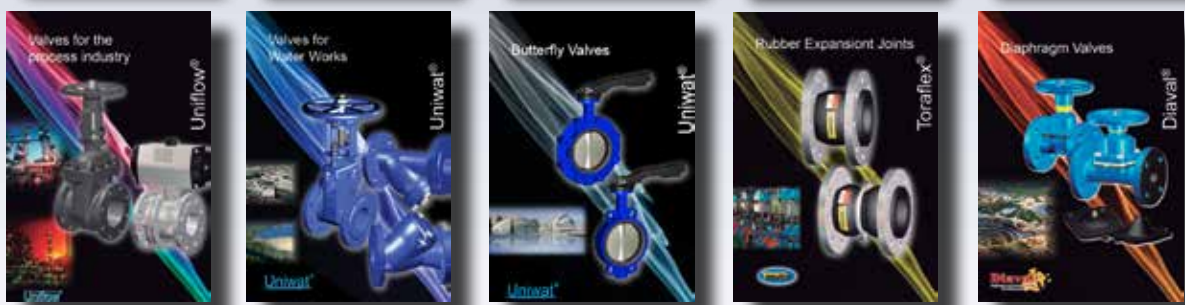
Visit our other
 Corporate Web Sites:

Large availability of documentation for Partners, for example:

Engineering Catalogues



First line Brochures

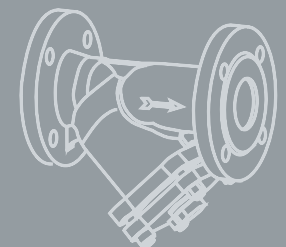
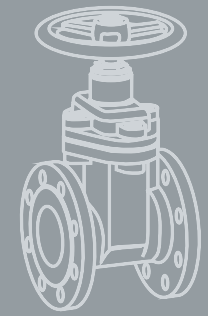
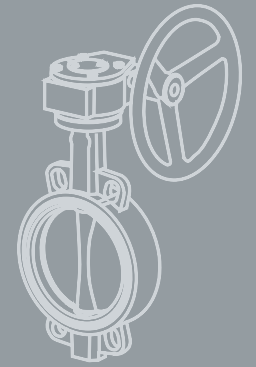
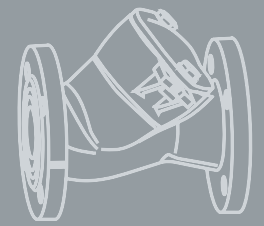
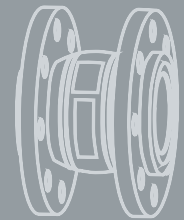
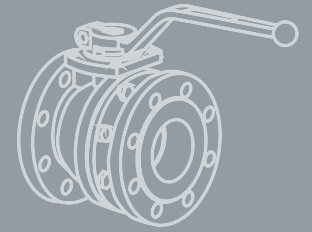
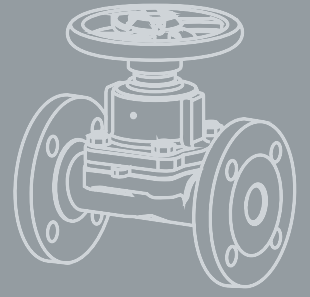




ISO 9001, CE, EAC, WRAS, API 6FA, ATEX...

Our products and Quality System are fully certified in conformity with International Standard and Rules, for example PED 97/23/CE, WRAS, ISO 9001 and other specific approvals. Our supplies are always accompanied with engineering documentation and certificates.

We are permanently working to upgrade our accreditations therefore please check our web site to discover what is available at any given time.



www.comeval.es