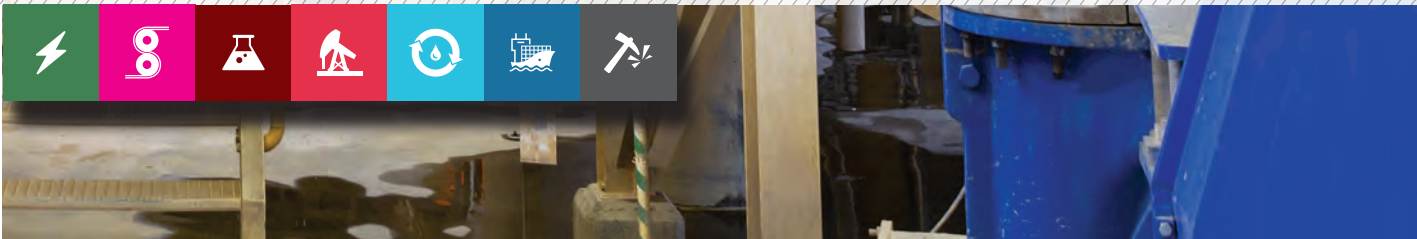




-  **Orbinox**
-  **InterApp**
-  **Wouter Witzel**
-  **AVK**
-  **TecArtec**
-  **OMV**
- MEMBERS OF THE AVR GROUP**

COMPLETE INDUSTRIAL VALVE SOLUTIONS

Expect... 



WELCOME TO AVK INDUSTRIAL IN AUSTRALIA



AVK Industrial Australia is part of the AVK Australia Group and global AVK manufacturing Groups. We pride ourselves in supplying a full range of industrial valves, process controls and actuation for a diverse range of industrial applications.

We focus on providing quality products to the highest standards with exceptional service and reliability, supplying our customers with complete packaged valve solutions to meet the most demanding applications.

Our AVK Industrial facilities in SA, Australia.



With warehouses in Queensland, New South Wales, South Australia and Western Australia coupled with local support across Australia and New Zealand, we can assist you with all your valve requirements.

Our extensive product range covers a broad range of valve types, including but not limited to; butterfly valves, knife gate valves, gate valves, check valves, air valves, ball valves, needle valves, penstocks, and accessories.

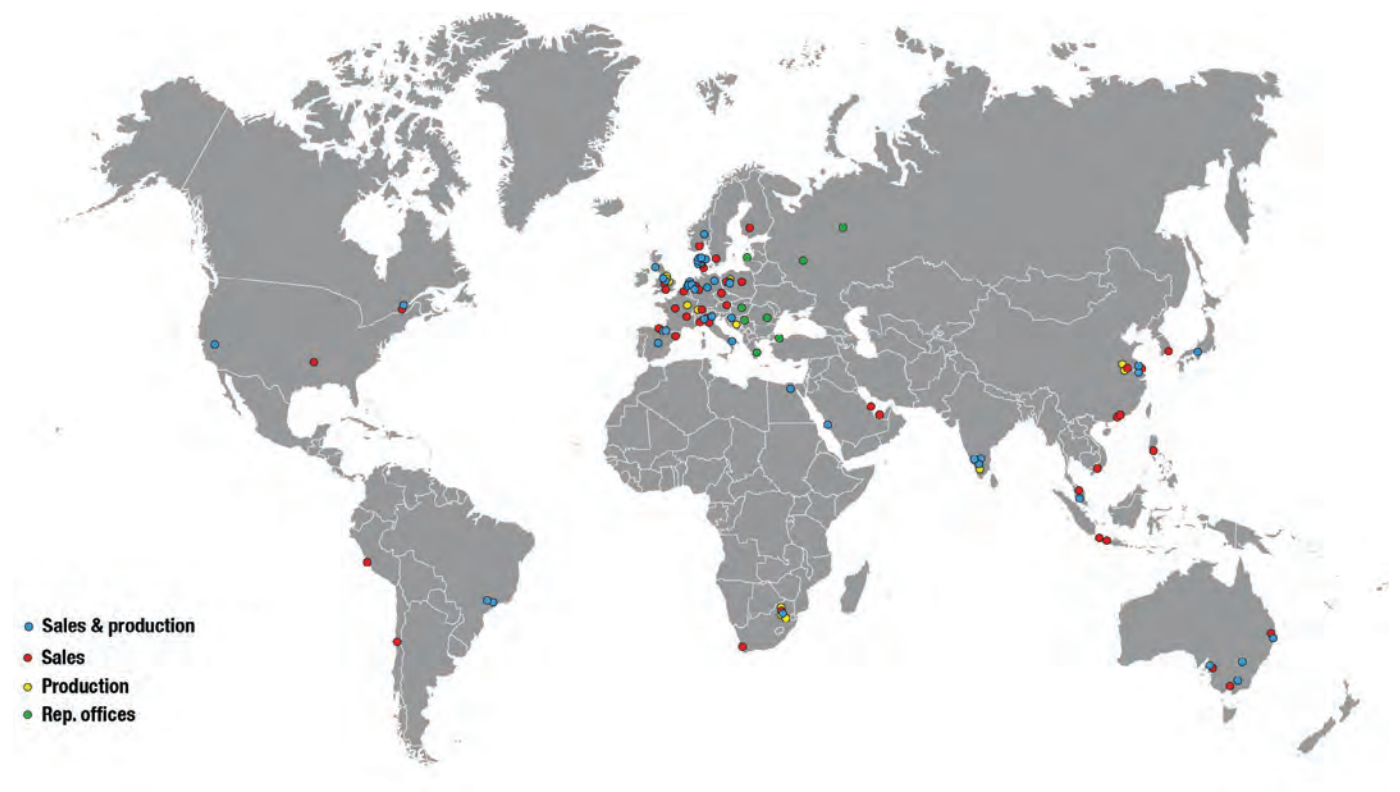


THE AVK GROUP

GLOBAL PRESENCE

The AVK Group is a privately owned Group currently comprising +100 companies worldwide. At AVK Industrial Australia, we develop and produce valves for the mining, energy and water treatment sectors and all associated industrial applications.

Furthermore, AVK has built up a collection of strong brands manufacturing products and providing solutions for industrial sectors. Our products are designed to meet international standards and are sold worldwide. When dealing with the AVK Group expect quality, reliability, functionality, and a long lifetime in service.



AVK is global in scale when it comes to manufacturing and design. We serve our customers locally, offering full-line partnership and a single entry point to a world of quality solutions.

1941

Established as a local machine shop in Denmark

+4,800

Employees worldwide

+100

Companies in the Group

1,020

Million EUR of turnover



Doing business with AVK is getting a share of our know-how, expertise and dedication. And as a global leader, it is our obligation to keep pushing the boundaries of what the market can expect.

In our business, five cornerstones must be in place in order to meet customer expectations: Quality, reliability, innovation, sustainability and customer service.

THE AVK GROUP YOUR LONG-TERM PARTNER

INTEGRATED SOLUTIONS FROM A SINGLE SOURCE

Our many years of experience in designing and manufacturing sustainable valves means that AVK Industrial can act as an international solutions provider for the most demanding applications and projects. Engineers, project, and maintenance managers in the industrial sector rely on high-quality valves.

We offer a solutions portfolio for the industrial sector that is among the most comprehensive in the world. With the combined expertise of all AVK Group members, we can provide integrated solutions from a single source.

Technical knowledge and experience

Utilising our extensive technical expertise, we support local projects from inception to final commissioning, backed by our global product specialists who understand complex applications as well as associated customised specialty products. Benefit from our technical know-how ASK AVK Industrial to guide you.

Compliance across the Globe

Production of our valves all over the world ensures that AVK complies with international and local Australian standards. AVK Industrial has a complete package of products available according to DIN, ANSI, BS and AWWA standards.

Delivery anytime, anywhere

To fulfil our customer's requirements, we keep a high stock level of a wide range of products in warehouses around Australia. With significant inventory holdings strategically positioned close to our markets, we can service customers quickly and efficiently. We are ready to deliver you the right product at the right time.



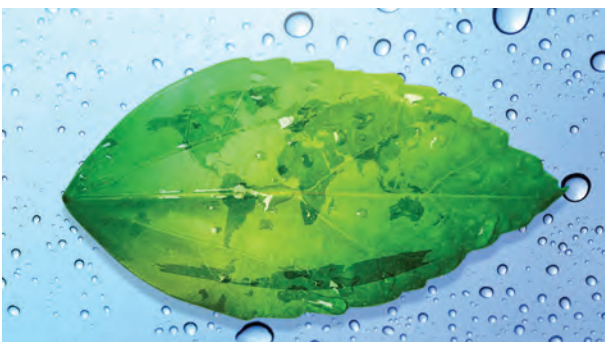
EXPECT QUALITY IN EVERY SINGLE STEP



Strict control and testing

Advantages of our Global manufacturing across our product brands we can ensure there is quality in every step of the manufacturing process following strict quality control programs from beginning to end.

All our products are type tested during the design phase to ensure they meet the standard criteria for strength, operation, and endurance. During assembly, the products are subject to dimensional and visual inspections, and a series of production tests in line with standards requirements.



Respect for the Environment

AVK Industrial continues to focus on sustainability by running our business and delivering products and solutions that show respect for the environment.

We focus on internal processes and have strict objectives for our manufacturing companies regarding energy and water consumption. This focus also extends to our suppliers who must meet similar objectives to be certified suppliers of the AVK Group.

OUR PRODUCT BRANDS

We offer a full range of AVK Group industrial brands direct from our manufacturing plants located across the globe - Orbinox, InterApp, Wouter Witzel and OMV Indoil for the Australian market.



Headquartered in Spain, has 50 years of experience in the design and manufacture of knife gate valves and penstocks.

The products are often designed according to customer requirements, both in terms of dimensions and different materials.

Orbinox products are installed and used in more than 70 countries.



InterApp **IA**[®]

Headquartered in Switzerland InterApp has over 50 years of experience in designing and manufacturing high quality butterfly valves with a focus on quality, reliability and safety.

Market leaders in the design and manufacture of lined butterfly valves Interapp can offer solutions for any application.



Based in the Netherlands, Wouter Witzel designs and produces butterfly valves for complex and automated industrial processes.

Providing vulcanized lined butterfly valves as standard and with over 50 years manufacturing experience Wouter Witzel valves can offer you a long term reliable solution to your valve requirements.



For the past 30 years, the Croatian valve company with headquarters in Zagreb has had vast experience in producing high-performance ball, gate, check and butterfly valves in various materials and pressure ratings.

In addition, the company offers a range of special valves and project capabilities to local contractors.

THE MARKETS WE SERVE

AVK offers industrial valves for various applications:

- Chemical production and distribution of coatings, fibers, food ingredients, plastics, medicines and metals
- Surface treatment (metal, plastic)
- Petrochemical (refineries, oil, gas) and biofuels (ethanol, diesel, methane)
- Mining (extraction of acids, and solvents of metals)
- Inorganic (industrial production of ammonia, nitric acid, sulfuric acid, phosphoric acid and fertilizers)
- Organic industries (fuels, refining, plastics)
- Pulp and paper

Mining

Globally AVK has extensive experience thanks to our manufacturing companies who specialize in the mining sector with extensive experience in knife gate valve design and production for a wide range of mining applications.

We offer a comprehensive range of slurry knife gate valves, Uni and Bi – directional knife gate valves, specially fabricated knife gate valves, for the mining industry. Our goal always is to offer excellent performance and low-maintenance downtime solutions that solve our customers' most demanding application needs.

Oil and Gas

High-quality valves for offshore and onshore applications and processes. The Oil and Gas market is characterized by the demand for high quality and reliable products that have to meet very strict safety standards. In-depth knowledge and extensive experience are required – both onshore and offshore. Fast and adequate service, combined with a high degree of reliability and durability, are key elements.

For every application in the Oil and Gas market, AVK can supply specialized valves and accessories that meet the globally applicable quality requirements, standards and approvals. Thanks to a large international network we can closely monitor developments, respond to them and most importantly offer worldwide services.

All products are tested and approved before delivery, and full documentation, material certificates, installation and maintenance instructions are available for each product supplied.



Some areas of application for the Oil and Gas segment are:

- Petrochemical
- Distribution
- Production
- LNG
- Floating production
- Storage & operation
- Fire protection
- Cooling water

Chemical processing

Products and solutions for demanding applications.

Chemical processes require tailor-made solutions.

Over the years, AVK has built up expertise in various segments of the chemical processing industry.

Based on that experience, AVK has developed many different products that, up to this date, have been regarded as industry references.

AVK supplies and manufactures specialized valves and accessories that meet the worldwide applicable performance requirements, quality requirements, standards and approvals.

Our valves are manufactured to the highest standards and provide you with the highest level of reliability and safety. All products are subjected to rigorous testing before being approved for delivery. Complete documentation, material certificates and installation and maintenance instructions are available.

Most of our products are designed and manufactured for maintenance-free use. For products that require maintenance, the design is focused on easy and efficient maintenance.

Water Treatment

AVK is a world-leading manufacturer and supplier of valves and accessories for any type of water treatment project, with decades of experience in designing and delivering solutions for a wide range of applications.

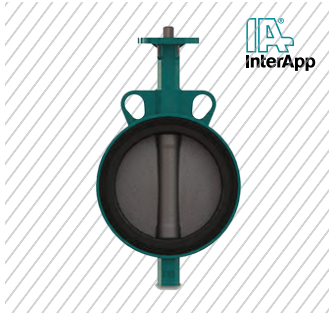
Due to the ever increasing complexity of industrial processes, the waste water treatment industry demands extremely reliable and sustainable materials. Valves must be resistant to high pressure, high temperatures, all kinds of chemicals and water with aggressive substances.

To meet the demand of our industrial users, AVK can rely on its many years of experience and expertise. At AVK you will find valves and accessories that meet the most recent standards and cover applications including:

- Industrial water supply
- Drinking water treatment
- Industrial wastewater treatment
- High purity water installations
- UF / RO installations
- Demineralized water
- Desalination processes including thermal processes and EDR processes
- Various other industrial applications



BUTTERFLY VALVES

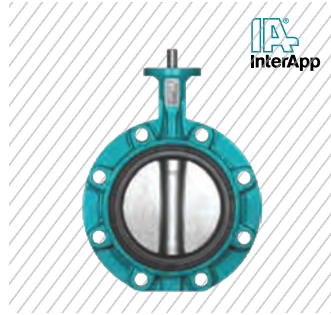


**Desponia
Wafer
D1**

DN25-1000, PN16 316 Stainless Steel disc and replaceable liner.

Options:

- Various seat and disc materials
- PN20 rating

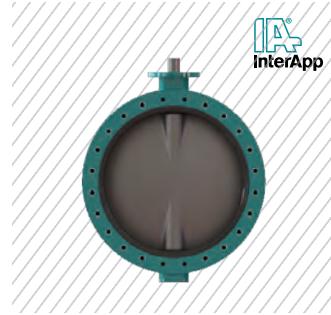


**Desponia
Lugged
D3**

DN25-600, PN16 316 Stainless Steel disc and replaceable liner.

Options:

- Various seat and disc materials
- PN20 rating

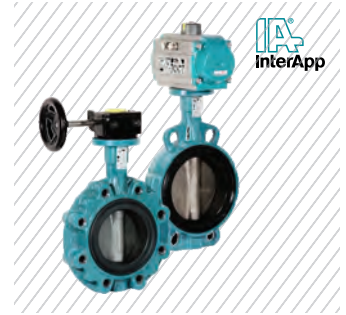


**Desponia
U-Section
D4**

DN150-1400, PN16 316 Stainless Steel disc and replaceable liner.

Options:

- Various seat and disc materials
- PN20 rating
- Lugged or through holes



**Desponia Plus
Heavy Duty
Applications**

Wafer type - DN25-600, Lugged type - DN50-400, PN16 316 Stainless Steel disc and replaceable liner.

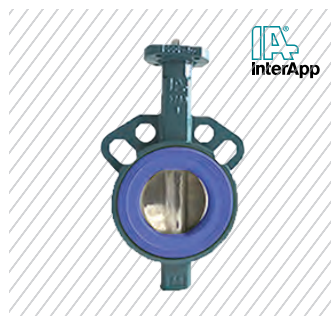
Options:

- Stainless body
- PN20 rating
- Various seat and disc materials
- High temperatures



Liners

- EPDM
- EPDM DW
- EPDM HT
- EPDM White FDA
- EPDM Blue FDA
- Nitrile
- Nitrile White FDA
- Nitrile Blue FDA
- Nitrile Gas
- Nitrile Hydrogenated
- Hypalon
- ECO
- Viton
- Viton BIO
- Viton GF
- Silcon
- Silicon FDA
- Flucast AB/E
- Flucast AB/N
- Flucast AB/P
- Flucast AB/T



Food Grade

Desponia and Bianca FDA approved liners and polished discs for the food industry. Dry media, powders, vibration and manual or automated.



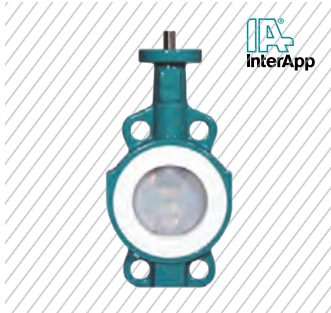
Disc Materials

ANSI 316, Alloy 926 super austenitic, Super duplex, Hastelloy, Alu bronze.
Disc coatings:

- Riisan
- Polyurethane
- Epoxy
- Halar
- Riisan polyamide 11
- Chromed



BUTTERFLY VALVES

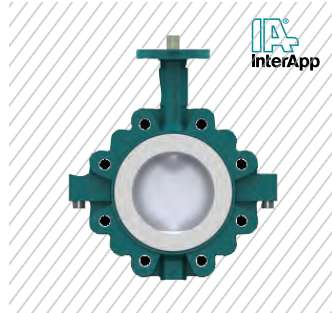


**Bianca
Wafer
B1**

DN32-600, Ductile Iron body, 2 piece body, Stainless PFA coated disc, 1 piece disc and shaft PTFE liner.

Options:

- Various disc materials
- Special execution
- Cleaned high purity
- Stainless body
- FDA
- Ultraflon liner

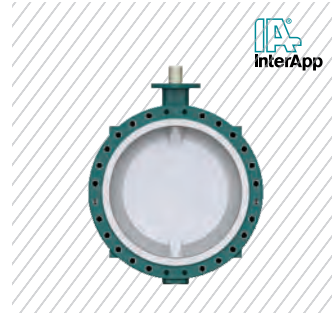


**Bianca
Lugged
B3**

DN32-400, Ductile Iron body, 2 piece body, Stainless PFA coated disc, 1 piece disc and shaft PTFE liner.

Options:

- Various disc materials
- Special execution
- Cleaned high purity
- Stainless body
- FDA
- Ultraflon liner

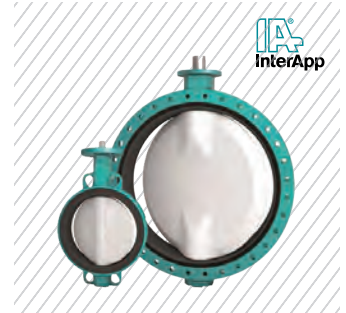


**Bianca
U-Section
B4**

DN450-900, Ductile Iron body, 2 piece body, Stainless PFA coated disc, 1 piece disc and shaft PTFE liner.

Options:

- Various disc materials
- Special execution
- Cleaned high purity
- Stainless body
- FDA
- Ultraflon liner



Ultralene

Superior material characteristics. Excellent wear and chemical resistance. Highest impact strength. Anti-adhesion and self lubrication. Low moisture absorption. Low friction coefficient.



BUTTERFLY VALVES



**EVS
Wafer**

DN50-1400, PN16
Ductile Iron body, Duplex disc
standard, Vulcanised lined EPDM
Available in AS 4087 and ANSI
flange drilling

Options:

- Other liners and disc materials available



**EVTLS
Lugged**

DN50-1200, PN16, Ductile Iron
body, Duplex disc standard,
Vulcanised lined EPDM
Available in AS 4087 and ANSI
flange drilling.

Option:

- Other liners and disc materials available



**EVFS
Double Flanged**

DN50-2000, PN16, 21 or 25
Ductile Iron body, Duplex disc
standard, Vulcanised lined EPDM
Available in AS 4087 EN 558-1
Series 13 face to face

Option:

- Other liners and disc materials available



**EVUS
U-Section**

DN600-2200, PN16, Ductile Iron
body, Duplex disc standard,
Vulcanised lined EPDM, Available
in AS 4087 EN 558-1 Series
20 face to face

Option:

- Other liners and disc materials available



**Econaxe
Wafer W201
Lugged L201**

DN50-600, PN20 Stainless
or WCB body Seal in body, CF8M
disc, EN 558 Series
20 face to face

Options:

- Various body and seat materials available
- API testing
- Antistatic design
- Metal or resilient seat
- Fire safe



**Dynaxe
Wafer W201
Lugged L201**

DN50-900, PN20 Stainless
or WCB body Seal on disc
CF8M disc, EN 558 Series
20 face to face

Options:

- Various body and seat materials available
- API testing
- Antistatic design
- Metal or resilient seat
- Fire safe
- 50 bar Dynaxe W162
- Titanium body W921



**Dynaxe Double
Flanged F131**

DN50-900, CL150, Body Carbon
Steel or CF8M, End Connection
ASME B16.5 cl.
150 / B16.47 cl. 150, MSS SP 44
cl. 150, EN558 Basic Series 13
Design API 609, Test API 598

Options:

- Other materials, Duplex or Titanium
- F142 series 14 body CL300



**FM Approved
Fire Products**

- UL & FM approved valves
- Gate valves flanged
- Gate valves roll groove
- Butterfly valves roll groove
- Butterfly valves double flanged Lugged and wafer pattern
- Check valves flanged
- Check valve role groove



BUTTERFLY VALVES



**EVFL
Double Flanged
Long Body**

DN50-1500, PN16, Ductile Iron body, Duplex disc standard, Vulcanised lined, EPDM, Available in AS 4087, EN 558-1 Series 14 face to face

Option:

- Other liners and disc materials available



**EVMS
Central Single
Flange Wafer**

DN600-2200, PN16, Ductile Iron body, Duplex disc standard, Vulcanised lined EPDM, Available in AS 4087 EN 558-1 Series 20 face to face

Option:

- Able to bolt up for end of line service

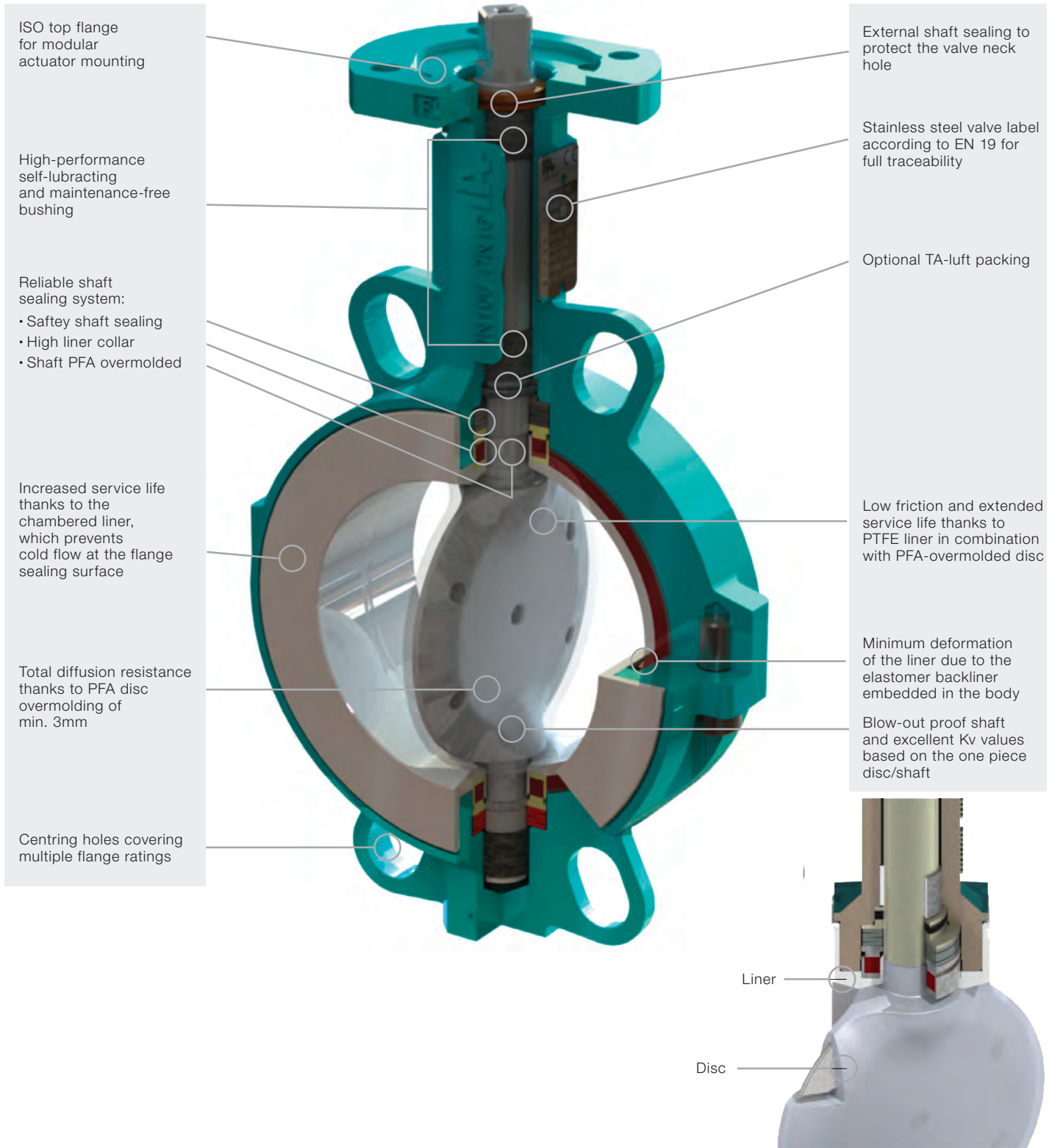


**High Performance
Butterfly Valves**

- Double & triple eccentric, high performance HP butterfly valve
- Flanged, lug, wafer
- EN, ANSI, DIN
- DN 40 - DN 600, 1 1/2" - 24"
- PN 6 - PN 64, Class 150 - 600
- Carbon and stainless steel, bronze, ductile iron, duplex, Superduplex
- NBR, FKM, metal/metal, PTFE
- Hand lever, gear operated, pneumatic and electric actuator
- EN1092, ASME B16.5, others on request
- Acc. to EN 12266-1, 2 (DIN3230), API 598, others on request



BIANCA BUTTERFLY VALVES WHERE SAFETY IS ESSENTIAL



ORBINOX KNIFE GATE VALVES DESIGNED FOR DEMANDING APPLICATIONS

GATE

- Made of stainless steel, polished on both sides and of rectangular shape, the bottom of the gate is machined to an edge.
- These features, together with a controlled stroke, minimize friction as the gate travels through the rubber sleeves, reducing the valve operating torque and sleeve wear, ensuring optimum slurry isolation.

PACKING

- The maintenance free EPDM standard gland packing for VG /WG valves is self-adjusting and prevents both leakage to the exterior and contamination of the interior of the valve in any installation position.
- Conventional 100% tight packing with several layers of braided fibre and an EPDM o-ring is standard for HG valve and available for VG /WG valves.

ACTUATOR

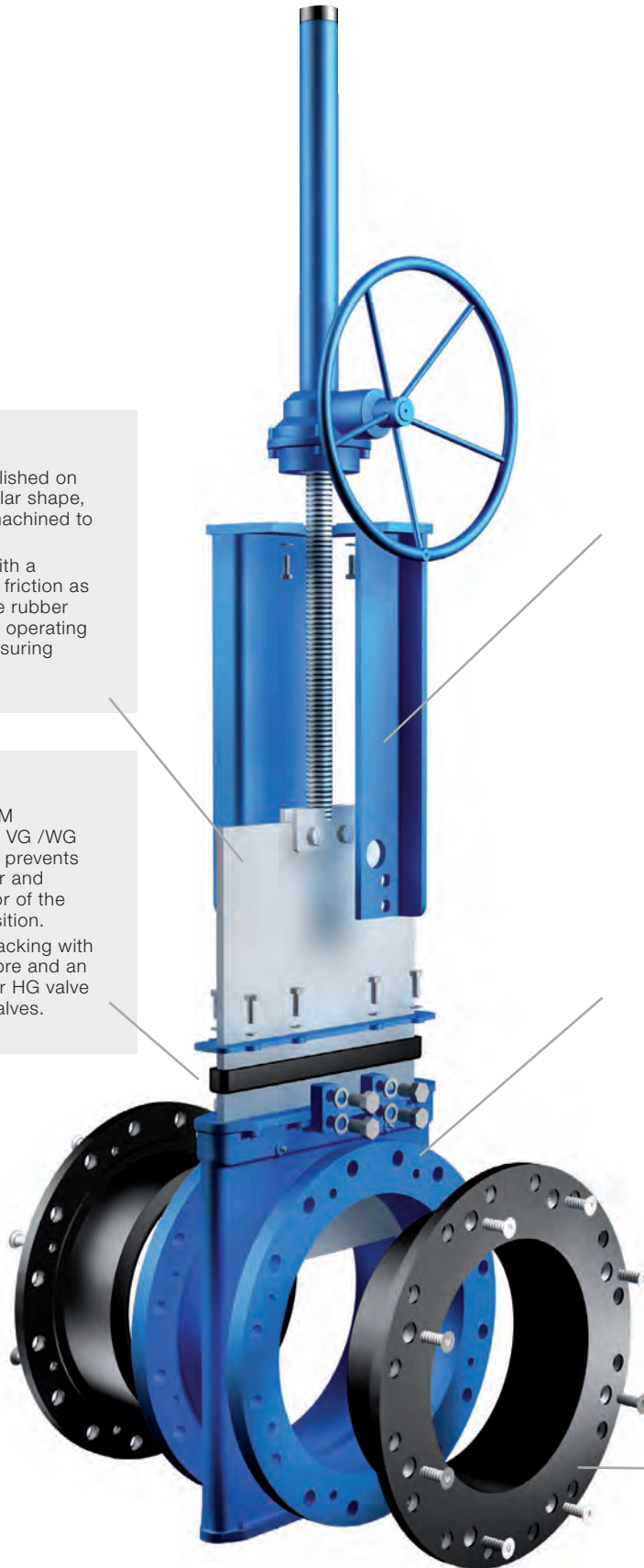
- The reinforced actuator support, manufactured in a single piece, is easily interchangeable and includes open/closed lock-outs as a standard feature for maintenance operations. It is finished with an electrostatically applied EPOXY coating.
- The piston rods of pneumatically or hydraulically actuated valves include bellows (rod boots) as a standard feature to protect against outside contamination and dirt.

BODY

- Wafer style VG and wide face-to-face distance WG / HG available.
- The body is a single cast/fabricated part (mono-block) design and maintenance free.
- The open design of the lower part of the valve allows the discharge of the slurry that has entered the body when closing or opening the valve, assuring a full gate closure. Splash guards can be optionally provided to convey this slurry media to a drain line. Flushing ports can also be added to improve the evacuation of this slurry media from the body.

SEAT/SLEEVES

- Robust 1 piece design, the chemical composition and the vulcanizing process used in their production assures maximum flexibility and the absence of cavities where solids can accumulate.



KNIFE GATE VALVES



**Uni-directional
ET Model**

DN50-900, PN10 up to DN600
MSS-SP-81, 316 Stainless Steel
body & yoke, SS316L blade

Options:

- Resilient or metal seat
- Various materials, bonnets and v-ports available
- All types of operations available



**Bi-directional
BT Model**

DN50-900, PN10 up to DN600
MSS-SP-81, 316 Stainless Steel
body & yoke, SS316L blade,
Fully encapsulated seat sleeve,
no cavities

Options:

- Various bonnets and v-ports available
- All types of operations available



**Square Port
BC Model**

- From 150mm x 150mm to 600mm x 600mm
- PN 1 (higher pressures available)
- Carbon Steel body
- 304 Stainless Steel gate
- Optional body and gate materials



**Slurry Wafer
VG Model**

DN50-900, PN5-10, Ductile Iron
body, FBE coating, 316 Stainless
Steel gate, Natural rubber seat,
Wafer or flanged, Table D/E
or ANSI 150#

Option:

- Electric or Pneumatic Actuation



**Slurry
Bi-directional
WG Model**

DN50-900, Up to PN10, Full
flanged, Two metal reinforced
rubber sleeves

Option:

- Larger diameters with high pressures available



**Slurry
Bi-directional
HG Model**

DN80-600, PN20, Heavy duty
slurry, Metal reinforced, Rubber
sleeves, Lock outs

Options:

- Various gate materials available
- Bottom splash guards
- Flush ports
- All types of operations available



**Special
Engineered
Single Wedge**

DN80-2400, Up to PN64, Rugged
cast body and bonnet, High
performance in terms of seals and
working pressures

Options:

- Handwheel, Pneumatic, Electric or Hydraulic Actuators
- Flanges available



**O-Port
TL Model**

DN50-1000, PN2-10, Stainless
Steel body, 316 Stainless
Steel gate, Metal seat

Options:

- Flush ports
- Square port
- Special alloys
- Diamond port for control
- Bonneted design

KNIFE GATE VALVES

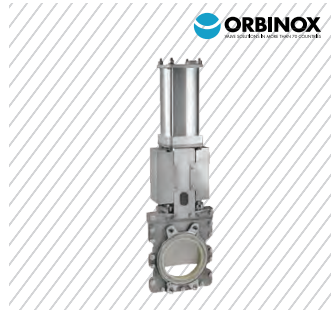


**Double Gate
DT Model**

DN100-600, Up to PN10,
Stainless Steel body, Cast or
fabricated two-part bolted body

Option:

- Larger diameters available



**Round and Square Port
CR Model**

DN100-600, Up to PN10,
Stainless Steel body,
Heavy duty design

Option:

- Larger diameters available



**Hopper Shape
XC Model**

DN50-600, Up to PN10

Options:

- Larger diameters available
- Various flange connections available



**Bi-directional
XD-PRE
Series 702**

DN50-600, Ductile Iron Body,
PN10 to DN300, Reduced
pressure in, larger sizes from
DN350-600, Protected reinforced,
seat with no cavities

Options:

- Various gate materials available
- Over DN600
- EPDM or NBR seat
- All types of operations available



**Lineal Electric Actuated
Knife Gate Valves**

- DN50 - DN400
- 24volt Lineal Electric Actuators
- 12v, 24v or 36v DC
- IP66/ IP69k ingress rating
- End stop signal
- 4-20mA control and feedback or on/off Profibus and Hart Override and Built in feedback
- compatible to PLC systems, or remote control unit.
- Easy to instal, plug and play, safe and low operating costs.



GATE VALVES



Series 570 Resilient Seated Gate Valve

DN50-400, PN16
Resilient seated Flange drilling to AS 4087 B5 PN16, AS 2129 T/E570/90 - Key Cap, 570/98 - Handwheel, 570/92 - ISO Mount

Options:

- Available with clockwise or anti-clockwise close
- Electric Actuation



Series 57/80 Resilient Seated Gate Valve

DN80-300, PN25, Resilient seated Flange drilling to ANSI 150# or Table F, Clockwise close, Cap operator

Options:

- Available with handwheel
- Larger sizes available



**Series 57/46
Series 57/86 Resilient Seated Gate Valves**

DN50-300, PN16 & PN25, Resilient seated, OS&Y Dimensions to AS 2638.2, Clockwise close, AS 4087 B5, PN16 drilling, 57/46 - PN16, 57/86 - PN25

Option:

- Table E drilling



Series 55/74 Resilient Seated Gate Valve

DN450-600, PN16, Resilient seated, AS 4087 B5 drilling As 2638.2 approved

Options:

- Available with clockwise or anti-clockwise close
- Electric Actuation



GATE VALVES



**Series 54
Metal Seated Gate**

- DN100-1800
- PN16
- Metal seated gate valve
- Gearbox or Electric Actuation



**Series 764/51
Plug Valve**

- DN80-300, Ductile Iron body, Fully vulcanised NBR plug, Hydrocarbon resistant, Welded nickel seat, Full port design, ISO mounting flange, AS 4087, B5 drilling
- Option:
 - Other drilling options available

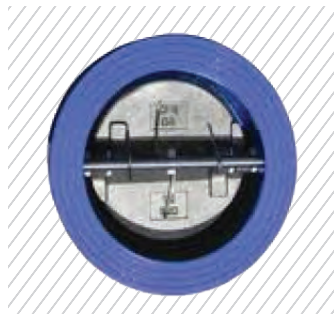


Gate Valve

- EN, ANSI, GOST, API
- DN15-1200, 1/2" - 48"
- PN16-420, Class 150-2500
- Carbon and stainless steel, alloyed steel, bronze, ductile iron, duplex, Superduplex
- Casted and/or forged
- N1092, ASME B16.5, others on request
- Acc. to EN 12266-1, 2 (DIN3230), API 598, others on request



CHECK VALVES



**Dual Flap
Cast Iron
Check Valve**

- DN40-800
- PN16
- Cast Iron body
- 316 Stainless Steel trim
- EPDM seat
- WRAS approved



**Dual Flap
Stainless Steel
Check Valve**

- DN50-600, PN16, 316 Stainless Steel body and trim Viton seat
- Option:
- Face to face in API 594 or EN 558-1



**ECV Dual Flap
Check Valve**

- DN50-600
- PN16
- Seat: EPDM/NBR/FPM
- Disc: Aluminium/Bronze
- Face to face
- EN 558-1/2 Series 16
- Various body materials available



**RM Tilt
Check Valve**

- DN50-300, PN40, 316 Stainless Steel body and disc, Metal seated, Face to face, EN 558-1/2 Series 16
- Options:
- DN350-600, 25 bar
- DN700-900, 10 bar



Uni Check Valve

- DN50-600
- PN16
- Cast Iron body and CF8M disc and stem
- EPDM seat
- Wafer to suit
- AS 2129 T/E and AS 4087 T/D



**Fast Check
Non Slam**

- DN50-1200
- PN10-40
- Ductile Iron Body
- Resilient seat
- Polyurethane disc



**Series 41/82
Check Valve**

- DN80-300, PN16, AS 4087 B5 drilling, AS 4794 approved, Resilient seat
- Options:
- Lever and weight
- Limit switch
- AS 2129 T/E
- Safety cage for lever and weight



**Series 41/39
Check Valve**

- DN350-600, PN16, AS 4087 B5, drilling metal seat
- Options:
- Lever and weight (41/36)
- Limit switch
- AS 2129 T/E

CHECK VALVES



AVR

**Series 53/50
Ball Check Valve**

DN50-300, PN10-16, AS 4087
B5 drilling, AS 4794 face to face,,
NBR ball, Ductile Iron body

Options:

- AS 2129 T/E drilling
- Alternate ball weights
- Sizes DN350 to DN600



ACMO

**Tilting Disc
Slant Disc
Check**

- DN150-1600
- PN10-16-25
- Seal on dsc design Available with
- Counter Weights and hydraulic dampeners
- Slant Check
- DN200 -1000
- Available with or without internal dampening device

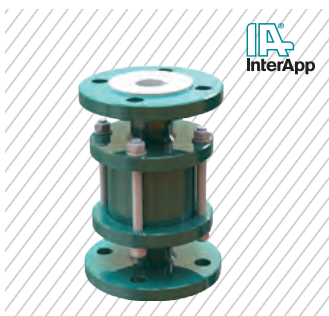


Steel Swing Check Valve

DN15-750, Carbon or Stainless,
Steel construction, Stellite seats,
Class 150-1500#,
Flanged connection

Option:

- Socket weld and threaded connections



InterApp

**TLBCV
Ball check valve**

DN15-100, PN10/16,
Body in ductile iron

Options:

- Carbon or stainless steel
- PFA lining
- PTFE, PTFE antistatic or ceramic ball



InterApp

**Rhea
Swing check valve**

DN32-700, PN10/16/other on
request, Wafer, Body in steel

Options:

- Seat: NBR / EPDM / Viton / PTFE / metal (no O-ring)
- Body: Stainless steel / Alu bronze



InterApp

**DCV
Disco check valve**

DN15-300, PN6-40,
Body in stainless steel

Option:

- Seat: NBR / EPDM / FKM / PTFE / metal (no O-ring)



InterApp

**STCV
Single Flap
Swing check Valve**

- DN150-300
- PN10/16
- PFA lined
Body in cast steel

AIR VALVES, PENSTOCKS & COUPLINGS



AVR

**Series 851
Air Release Valves**

DN50-150, Double Orifice, Ductile Iron body, ABS plastic internals, 316 Stainless Steel trim, Flange drilling to AS 4807 B5, 851/10 - PN25, 851/20 - PN16

Option:

- Anti-slam



AVR

**Series 851 VNR
Air Release Valves
Vented Non-slam**

- DN50-150
- Double Orifice with
- vented non-return
- Non-slam attachment
- Ductile Iron body
- ABS plastic internals
- 316 Stainless trim
- Flange drilling to AS 4807 B5
- 851/10 - PN25
- 851/20 - PN16



**Series 570 with 758
Gearbox**

- DN80-200, PN16
- Series 570 with IP68 2:1 bevel gear operator
- Right angle operation
- ideal for air valve isolations in valve pits



AVR

**Dismantling Joints
& Couplings**

Various Couplings for all pipe materials , Full Restraint and Non Restraint Dismantling Joints , Flange Adaptors, Couplings , Step Couplings

Options:

- Supa Plus Dedicated for PE
- Supa Maxi for most pipe materials

Contact your local representative for further information



ORBINOX

Stop Logs

- Open Channel installation for temporary isolation and flow control
- Stainless Steel & Aluminium construction
- Bi-directional design

Contact your local representative for further information



ORBINOX

**Wall Mount Penstock
Channel Penstock
Weir Penstock**

150 x 150 to 2000 x 2000mm, Larger sizes available on request , Stainless Steel construction AISI 316 or AISI304, Exotic materials on request (SAF 2205, SAF 2507), HMWPE guides

Options:

- 4 sided sealing Wall Mount
- 3 side sealing Channel Mount
- Weir Penstock Wall mount 3 or 4 sided sealing
- Electric, Pneumatic or
- Hydraulic
- Rising or Non Rising Spindles



HYDRO - COS

**Series S8001
Encapsulation Collar**

- DN250 to DN2000, Ductile Iron body
- Universal collar suitable for all pipe types
- Gasket provides a tolerance of 30mm up to DN450
- From DN450 tolerance of 40mm
- Gasket of WRAS approved EPDM rubber
- Fasteners of Zinc plated and passivated steel 8.8
- Fabricated using carbon steel with WRAS approved
- PLASCOAT PPA 571 ES, RAL 5017 coating approved to AS/NZS 4020

BALL & CHEMICAL SERVICE VALVES



**1, 2, 3 Piece
Ball Valves**

DN8-100, 1000PSI,
316 Stainless Steel body, BSP
ends, PTFE seat, 1 piece -
reduced bore, 2 & 3 piece -
full bore, Lockable lever

Options:

- Higher pressures
- ISO mounting 3 piece



**Floating
Ball Valves**

DN15-300, Class 150 to class 300
ASME B16.34, Stainless
Steel body

Options:

- Various materials and designs
available
- AS 4087 & T/E drilling
- ISO mounting



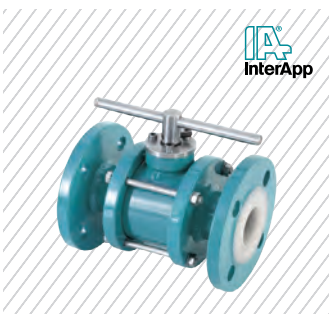
**Specialty Metal
Ball Valves**

Various designs and
pressure ranges



**Actuated
Stainless Steel**

- Stainless Steel or plastics
- Pneumatic or Electric
- Various sizes available



**PFA Lined
TLBVH23 Ball Valve**

DN15-100, PN16, 3 piece body,
Full bore, Carbon Steel body, PFA
lining on body and stem, PTFE
ball -50oC to 180oC

Options:

- Anti-static
- Cavity filler seats

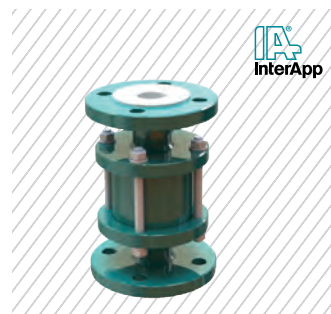


**PFA Lined
FPCV Flanged
Poppet Check**

DN25-100, PN16, Full bore,
Carbon Steel body, PFA lining on
body, Hastelloy spring,
PTFE poppet, -50oC to 180oC

Options:

- Stainless body
- Conductive PFA
- Alternate springs



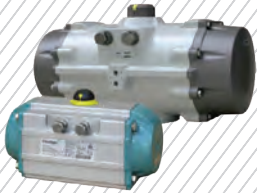
**PFA Lined
TLBCV Flanged
Ball Check**

DN15-100, PN16, 3 piece body,
Full bore, Carbon Steel body, PFA
anti-static lining on body,
PTFE anti-static ball, -50oC
to 180oC

Option:

- Ceramic ball

ACTUATION & AUTOMATION



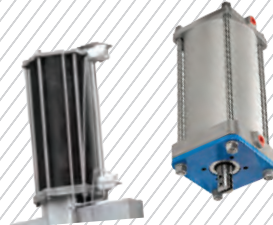
**Pneumatic Actuator
IA Motion**

- Rack and Pinion
15Nm to 10007Nm
- IA.D double acting
- IA.S single acting
Identical body for IA.DA & IA.SR
- Supply air 3-8 bar
- Working temp -40oC to 80oC
- Connection to EN ISO 5211
VDI/VDE 3845 namur for accessories
- Actuator IP67 standard to
ATEX 94/9/EC
- Extruded aluminium with
ALODUR corrosion protection



**Electric Quarter Turn
Actuator**

- Valves ER and V series, ER 10Nm to 100Nm, VR & VS 25Nm to 300Nm, VT 600Nm to 2400Nm, IP66 & IP68, Adjustable limit switches, 12v, 24vdc, 240v, 415v
- Options:
- Special coating
 - Ratings
 - Multiple internal features



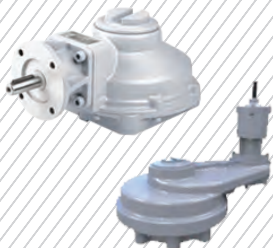
**Lineal
Actuator**

- Pneumatic cylinder, Bore sizes 4" to 12", Double acting, Aluminium end caps and barrels up to 250mm, Barrels 300mm composite
- Options:
- Anodized aluminium
 - Detachable clevis
 - Magnetic switches and sensing piston ring
 - Single acting up to 200mm bore
 - Manual override system
 - Namur block for solenoids



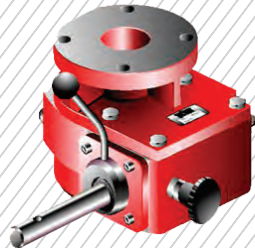
Worm Gearbox

- Quarter turn worm gearboxes for butterfly valves, ball valves and plug valves, Various sizes, materials, coatings, ratings and IP ratings
- Options:
- Lock out
 - Electronic indication
 - ISO input flange



**Bevel & Spur
Gearbox**

- Multi turn bevel and spur, gearboxes for knife gate valves and gate valves, Various sizes, materials, coatings, ratings and IP ratings
- Options:
- Lock out
 - Electronic indication
 - ISO input flange
 - Dual input
 - Input shaft direction



Manual Override Gearbox

- Dec clutchable manual override for Pneumatic actuated butterfly valves and ball valves



Limit Switch Box

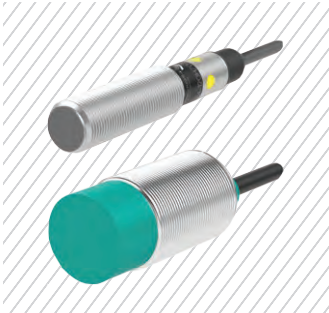
- SPDT micro switches
- Proximity switches
- IP65, IP67 or IP68
- Ex II 1G Ex ia IIC T6 proximity



Proximity Switch

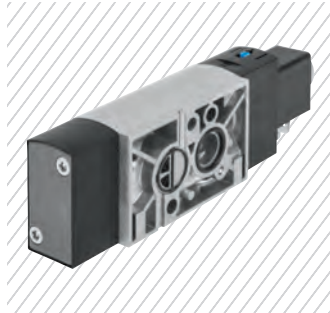
- Compact limit switch boxes
- Pepperl+Fuchs proximity
- Puck and sensor system
- F25/F25k indoor
- F31K2 outdoor
- Hazardous location version available
- Cable, plug or plug in terminal connections

ACTUATION & AUTOMATION



Proximity Sensors

- Pepperl+Fuchs proximity
- Sensing range 1mm to 50mm
- Cable and connection types
- Stainless and chemical resistant housings
- 2, 3 or 4 wire



Solenoid Valve

1000 KPA pressure rating, Namur mount, Aluminium construction, 3/2-5/2 conversion plate

Options:

- 24DC supply
- 240VAC supply
- 110VAC supply
- 24VAC supply
- Body materials
- Ex versions



Electro Pneumatic & Smart Positioner

Auto calibration, Digital 4-20mA, Double or single acting

Options:

- 2x SPDT switches
- 4-20mA output transmitter
- Intrinsically safe Ex ia IIC T6/T5
- Hart, profibus and field bus communication
- Stainless body
- Flame proof
- Fail freeze positioner



DAMPERS & STEAM CONDITIONING



ORBINOX
VALVES & DAMPERS

Butterfly Damper

Up to DN3000, Max. 0,5 Bar, Up to +750°C

Options:

- Carbon or stainless steel fabricated body and blade
- Rigid ledge or flexible seal
- Various actuation solutions (manual, pneumatic, electric)



ORBINOX
VALVES & DAMPERS

Louver Damper

Up to 10000 x 10000 mm, Max. 0,5 Bar, Up to +750°C

Options:

- Carbon or stainless steel fabricated
- Parallel or opposed blades
- Rigid ledge or flexible seal
- Various actuation solutions (manual, pneumatic, electric)



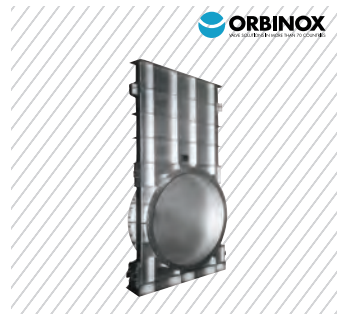
ORBINOX
VALVES & DAMPERS

T-duct Damper

Up to DN3000, Max. 0,5 Bar, Up to +750°C

Options:

- Carbon or stainless steel fabricated body and blades
- Rigid ledge or flexible seal
- Various actuation solutions (manual, pneumatic, electric)



ORBINOX
VALVES & DAMPERS

Guillotine Damper

Up to DN3000, Max. 0,5 Bar, Up to +750°C, Rigid ledge

Options:

- Carbon or stainless steel fabricated body and gate
- Various actuation solutions (manual, pneumatic, electric)



tec
artec

TECtemp

Desuperheater, Use for steam pipe \geq DN150, PN25-420, Max. temperature 580°C, Customized Control ratio, Multi-Stage Pressure, Reduction of Cooling Water

Option:

- Actuation: electric, pneumatic or hydraulic



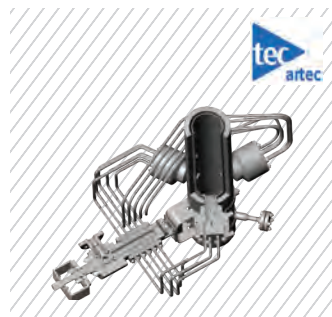
tec
artec

TECtemp HTV

Desuperheater Split Unit, Venturi Type, Use for steam pipe \leq DN150, Max. temperature 750°C, Customized Control ratio, Multi-Stage Pressure, Reduction of Cooling Water

Option:

- Actuation: electric, pneumatic or hydraulic



tec
artec

TECtemp HTR

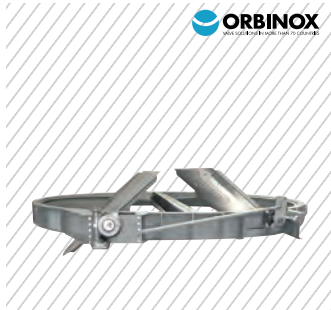
Desuperheater Split Unit, Ring Type, Use for steam pipe \geq , DN150, Max. temperature 750°C, Customized Control ratio, Multi-Stage Pressure, Reduction of Cooling Water

Option:

- Actuation: electric, pneumatic or hydraulic



DAMPERS & STEAM CONDITIONING



Stack Damper

Up to DN7000, Max. 0,5 Bar,
Up to +750°C

Options:

- Carbon or stainless steel fabricated body and blades
- Rigid ledge or flexible seal
- Various actuation solutions (pneumatic, electric)



TECtemp HTL

Desuperheater Split Unit, Lance Type, Use for steam pipe \geq DN150, PN25-420, Max. temperature 750°C, Customized Control ratio, Multi-Stage Pressure Reduction of Cooling Water

Option:

- Actuation: electric, pneumatic or hydraulic

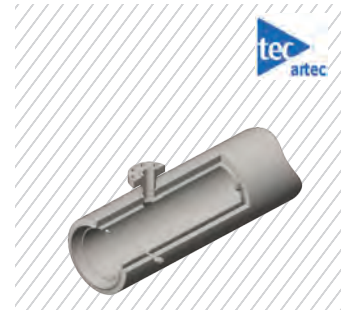


TECpress

Steam Conversion Station, DN50 - DN2000, PN25 - PN420, 1 - 7 stage steam pressure, reduction, Max. temperature 620°C

Option:

- Actuation: electric, pneumatic or hydraulic



TECmix Mixing Pipe Unique TECartec Design

Mixing Pipe, Unique TECartec design, Minimal amount of, fix points for flexible, thermal shock sleeve expansion

Options:

- Customized Design
- Other sizes and materials





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