AVK FLOW CONTROL

ADVANCED INDUSTRIAL VALVE SOLUTIONS PRODUCT PROGRAM



AVK FLOW CONTROL



AVK FLOW CONTROL PTY LTD IS A PART OF THE AVK GROUP, A PRIVATELY OWNED INDUSTRIAL **GROUP COMPRISING MORE THAN 100 OPERATIONAL COMPANIES, SUPPLYING TO CUSTOMERS WORLDWIDE AND EMPLOYING MORE THAN 3,800 PEOPLE.**

As part of the AVK Australia and global AVK manufacturing Groups, we pride ourselves in supplying a full range of Industrial valves, process controls and fittings for any industrial application. We offer a broad range of valve types, including, but not limited to butterfly valves, knife gate valves, gate valves, fire products, check valves, air release valves, penstocks, ball valves, chemical service valves, actuation and automation.

AVK Flow Control is a solution provider through consultation, investigation and providing complete package solutions into all industrial markets including but not limited to water and wastewater treatment, mining, oil & gas, power generation, pulp & paper, chemical processing, marine and bulk handling.

We have significant investments in inventory holdings strategically located throughout Australia to ensure that we can service our customers' needs quickly and efficiently. With sales offices spanning the east and west coasts, the company is positioned and ready to service the industrial markets with a world class range of industrial valve products.



MUSTOWER/PROMISES **EXPECT...AVK**

OUR UNIQUE SELLING PROPOSITIONS ENABLE US TO GIVE EIGHT IMPORTANT PROMISES TO **OUR CUSTOMERS:**

EXPECT SOLUTIONS, NOT JUST PRODUCTS

It takes dedicated expertise to choose the right solution so that our customers get the highest quality at the best price.

EXPECT GLOBAL LEADERSHIP AND LOCAL COMMITMENT

Customers expect a partner who can combine the product portfolio and cost efficiency of a global leader with the flexibility and adaptation of a local partner.

EXPECT QUALITY IN EVERY

Quality is essential! When it comes to valves, hydrants, fittings and accessories our customers expect long-lasting solutions.

EXPECT PROMPT RESPONSE

From the customer's perspective. our valves and fittings form partial, vet vital, parts of complex installations. Therefore, our deliveries have to be punctual and our response to our customers' queries and requests timely, accurate and supportive.

EXPECT LASTING INNOVATIONS

To stand out from the competition, it is essential that we keep offering our customers innovative solutions that can withstand the challenges of the hardest environmental conditions.

EXPECT TOTAL SAVINGS For many of our customers, it is

important that we optimize our solutions to maximize their total

EXPECT A LONG-TERM PARTNERSHIP

We build on and invest in longterm partnerships, because for us, our customers are much more valuable than any single transaction.

EXPECT IT TO BE EFFECTIVE AND EASY

Our customers need a business partner who is easy to do business with!

EXPECT... AVK MAKING MADIE EERE



BUTTERFLY VALVES



Desponia

DN25-1000 PN16 316 Stainless Steel disc and replaceable liner

Options:

 Various seat and disc materials

• PN20 rating



Desponia

DN25-600 PN16 316 Stainless Steel disc and replaceable

Options:

- Various seat and disc materials
- PN20 rating



Desponia U-Section

DN150-1400 PN16 316 Stainless Steel disc and replaceable liner

- Options: Various seat and disc materials
- PN20 rating Lugged or through



Desponia Plus Heavy Duty Applications

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

Options:

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



Food Grade

Desponia and Bianca FDA approved liners and polished discs for the food industry

Dry media, powders, vibration and manual or automated

Contact your local representative for more information

 ANSI 316 Super duplex

Hastellov

 Rilsan Polyurethane

Rilsan polyamide 11



EVS

DN50-1400

Ductile Iron body

Vulcanised lined

and ANSI flange

Duplex disc standard

Available in AS 4087

• Other liners and disc

materials available

PN16

FPDM

drillina

Options:



EVTLS



EVFS

DN50-1200 DN50-2000 Ductile Iron body Duplex disc standard Vulcanised lined FPDM Available in AS 4087 and ANSI flange

Options: • Other liners and disc materials available

PN16

FPDM

drillina

Double Flange

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

Options:

 Other liners and disc materials available

PN16

FPDM

Options: • Other liners and disc materials available

EVUS

EVFL

DN600-2200 DN50-1500 PN16 Ductile Iron body Ductile Iron body Duplex disc standard Duplex disc standard Vulcanised lined Vulcanised lined FPDM Available in AS 4087 Available in AS 4087 EN 558-1 Series 20 EN 558-1 Series 14 face to face face to face

Options:

 Other liners and disc materials available



EVMS

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

Options:

 Able to bolt up for end of line service



B1

DN32-600 Ductile Iron body 2 piece body Stainless PFA coated disc 1 piece disc and shaft

Options: Various disc materials

PTFE liner

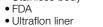
- Special execution Cleaned high purity
- Stainless body FDA
- Ultraflon liner



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





U-Section B4

DN450-900 Ductile Iron body 2 piece body Stainless PFA coated 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 strenath Anti-adhesion and self lubrication Low moisture

Low friction coefficient

Contact your local representative for more information

absorption



EPDM

FDA

FDA

FDA • Nitrile Blue

FDA

Nitrile

EPDM DW

• EPDM HT

• EPDM White

• EPDM Blue

• Nitrile White

• Nitrile Gas

Nitrile

Disc Materials

 Alloy 926 super austenitic

Alu bronze

Liners

Hypalon

Viton BIO

Viton GF

• Silicon FDA

• Flucast AB/E

Flucast AB/N

Flucast AB/P

Flucast AB/T

Silcon

ECO

Viton

Disc coatings:

- Epoxy Halar
- Chromed



Wafer W201 Lugged L201

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

Options:

Fire safe

- Various body and seat materials available
- API testina Antistatic design Metal or resilient seat

- API testing Antistatic design · Metal or resilient seat Fire safe
- 50 bar Dvnaxe W162 Titanium body W921

Dynaxe Wafer W201

Lugged L201

Stainless or WCB body

EN 558 Series 20 face

Various body and

seat materials available

DN50-900

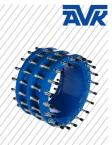
Seal on disc

CF8M disc

PN20

to face

Options:



Series 265/50 Dismantling Joint

DN40-2600 PN10, 16 and 25 PN40 and PN64 Ductile Iron body Carbon Steel > PN40 Full bolt thrust type

Series 813/82 Double Flange

DN80-500 PN16 Ductile Iron body Seal on body CF8M disc EN 558 Series 13 AS 4087 and AS 2129 face to face AS 4087 B5 T/D

Options:

• Lever DN80-150

Approved AS 4795

Pneumatic electric



VSB Double Flange Double Eccentric

DN80-1800 PN35 working pressures Ductile Iron body Seal in body CF8M disc EPDM seat Available in AS 4087 EN 558-1 Series 13 face to face

- Options: • PN16 & PN25 Vulcanised lined
- NBR or EPDM AWWA design



Titania ouble Flange

DN50-1400 PN50 Triple offset metal seated Stainless or WCB body

Perfect tightness in steam, gas, chemical, petrochemical and cryogenic applications

KNIFE GATE VALVES

ORBÍNOX **ORBINOX**

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

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

Optional body and gate materials

ORBINOX



Slurry Wafe VG Model

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

Options:

• Electric or Pneumatic Actuation



Slurry

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

Options:

• Larger diameters with high pressures available



Slurry

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





Series 57/80

DN50-400 DN80-300 PN25 Resilient seated Resilient seated Flange drilling to AS 4087 B5 PN16 150# or Table F AS 2129 T/E Clockwise close 570/90 - Key Cap Cap operator 570/98 - Handwheel 570/92 - ISO Mount Options:

NK

Options: Available with clockwise or anticlockwise close

Series 570

PN16



Series 57/46

DN50-300 PN16 & PN25 Resilient seated Flange drilling to ANSI OS&Y Dimensions to AS 2638.2 Clockwise close AS 4087 B5 PN16 drilling

GATE VALVES & FIRE PRODUCTS

Available with

handwheel Larger sizes available

57/86 - PN25 Options: • Table E drilling

57/46 - PN16



Series 55/74

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

Options: Available with clockwise or anti-

clockwise close • Electric Actuation



eries 54/5X 8

DN700-1200 PN16 Large metal seated gate valve Flange drilling to AS 4087 Gearbox or Electric Actuation

Ontions:

 With bypass (refer to series 54/5X)

 Without bypass (refer to series 54/3X)



eries 764/51

DN80-300 Ductile Iron body Fully vulcanised NBR Hydrocarbon resistant Welded nickel seat Full port design ISO mounting flange AS 4087 B5 drilling

Options:

• Other drilling options 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
- Flanges available



O-Port TL Model

PN2-10 Stainless Steel body 316 Stainless Steel gate

Options:

- Flush ports
- Hydraulic Actuators

DN50-1000

Metal seat

control

- Square port
- Special alloys Diamond port for
- Bonneted design



Double Gate DT Model

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

Options:

• Larger diameters available

ORBÍNOX

Square Port CR Model

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

Ontions:

 Larger diameters available



XC Model

DN50-600 Up to PN10

Options: • Larger diameters

available Various flange connections available



XD-PRE Series 702

Ductile Iron Body PN10 to DN300 Reduced pressure in larger sizes from DN350-600 Protected reinforced

seat with no cavities

- EPDM or NBR seat



Approved Fire Products

DN50-600

Options:

- Various gate materials available Over DN600
- All types of
- operations available



UL & FM

- 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



Gate Valve Rising Stem

DN15-1200 Carbon or Stainless Steel construction Stellite seats Class 150-2500# Flanged connection Rising or non-rising spindle

Options:

 Socket weld and threaded connections available



Globe Valve

DN15-1200 Carbon or Stainless Steel construction Stellite seats Class 150-2500# Flanged connection

Options:

- Socket weld and threaded connections
- Pressure seal bonnet
- Y-pattern

CHECK VALVES



Dual Flap

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

Dual Flap

DN50-600 PN16 316 Stainless Steel body and trim Viton seat

Options: • Face to face in API 594 or EN 558-1





ECV Dual Flap

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

Various body materials Options:

 DN350-600, 25 bar • DN700-900, 10 bar

DN50-300

PN40



RM Tilt

316 Stainless Steel

Face to face EN 558-

body and disc

Metal seated

1/2 Series 16



Single Flap

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

AK

Fast Check Non Slam

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

VCW

Series 851

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

& MINING

Options:

Anti-slam



Series 851 VNR

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



AIR RELEASE & PENSTOCKS FOR INDUSTRIAL

Series 701

DN25 (701/90) DN50 (701/91) ARV-1A (701/90) ARV-2KA (701/91) PN16 Automatic function GRP body BSP thread and PP float 1A (3G) DN25 metal body universal internals to 701/90



/entomat Sewage \ir Release Valve

RGX & RGX11 Site and project specific brands are also available on request



eries 570 with

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



Series 29

DN80 & DN100 PN16 Ductile Iron Flanged to AS 4087

Options:

- DN80 or DN100 inlet or outlet flange slotted
- CC & ACC available



Series 41/82 Check Valve

DN80-300 PN16 AS 4087 B5 drilling AS 4794 approved Resilient seat

Options:

- · Lever and weight
- 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 · Limit switch • AS 2129 T/E • AS 2129 T/E

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



Series 874 **Tilting Disc** Check

DN150-1600 PN10-16 As 4087 B5 drilling Reslient seat Ductile Iron body Replaceable seat

 Gauge ports for measuring differential pressure

Y-Strainer

AS 4087 B5 drilling

Ductile Iron body

Quick removal lid

DN50-300

PN10-16

SS screen



Steel Swing Check Valve

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

Options:

 Socket weld and threaded connections



Wall Mount Penstock Weir Penstock

150 x 150 to 2000 x 2000mm Larger sizes avalable 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



Repair Bands and

Various Repair Bands Flanged and Threaded off Please contact your local representative for the full size range and correct poduct selection to meet your



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

BALL & CHEMICAL SERVICE VALVES

1, 2, 3 Piece

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

Options:

- Higher pressures
- ISO mounting 3 piece



Floating

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

Options:

and designs available AS 4087 & T/F

ISO mounting



Various designs and

Various materials

drilling



Options: Stem extensions

Series 85/50

Purae points

PE OD25-180

weld

PE100 polyethylene

Water & gas service

Electric fusion or butt

I ever handle



Diaphragm Valv

Various configurations BSP or flanged Straight through or weir type Lined or unlined Halar coated Glass lined Plastic lined

materials and drilling

Options: Various body

patterns



ا inless Steel

Stainless Steel or plastics Pneumatic or Electric Various sizes available

Contact your local representative for more information





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

VDI/VDE 3845 namur for accessories Actuator IP67 standard to ATEX 94/9/EC Extruded aluminium with ALODUR corrosion



ACTUATION & AUTOMATION

Valpes 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

Contact your local representative for more information

Lineal

ORBINOX

Pneumatic cylinder Bore sizes 4" to 12' Double acting Aluminium end caps and barrels up to 250mm Barrels 300m composite

Options:

Anodized aluminium

 Detachable clevis Magnetic switches and

sensing piston ring · Single acting up to

200mm bore · Namur block for ratings

Options:

Lock out

• ISO input flange

 Manual override system solenoids





Vorm Gearbox

Quarter turn worm gearboxes for butterfly valves, ball valves and plug valves Various sizes, materials coatings, rations and IP

• Electronic indication

Contact your local

representative for more information



ratings

Options:

Lock out

Dual input

information.

• Electronic indication

· Input shaft direction

representative for more

• ISO input flange

Contact your local

Bevel & Spur nual Override

Multi turn bevel and spur Declutchable manual gearboxes for knife gate override for Pneumatic valves and gate valves actuated butterfly valves Various sizes, materials, and ball valves coatings, rations and IP

Contact your local representative for more information





TLBVH23 **Ball Valve**

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

Options:

- Cavity filler seats



Poppet Check

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

Alternate springs

Options: Stainless body

- Anti-static Conductive PFA





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

Ontions:

Ceramic ball



PFA Lined STC\ **Check Valve**

DN100-300 PN16 Cast Steel body and disc PFA lined

Options:

applications

 Anti-static liner · Soft seats, kalrez and viton for gas



Integrity

PFA disc coating Wafer, lugger or U-flange CE, SIL, EX and FDA approvals



PFA Lined & Sleeved **Plug Valves**

DN50-350 Class 150/300 -29oC to 204oC Lining firmly fixed in cast dovetail grooved body with cavity filled bore and suitable for

high vacuum



Limit Switch Box

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



Proximity Switch

boxes F25/F25k indoor F31K2 outdoor Hazardous location version available



Compact limit switch Pepperl+Fuchs proximity Puck and sensor system Cable, plug or plug in



Pepperl+Fuchs proximity Sensing range 1mm to Cable and connection 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



Positioner

Electro Pneumatic Auto calibration Digital 4-20mA Double or single acting Double or single acting

Options:

transmitter

- 2x SPDT switches 4-20mA output
- Intrinsically safe Ex ia IIC T6/T5 · Hart, profibus and field

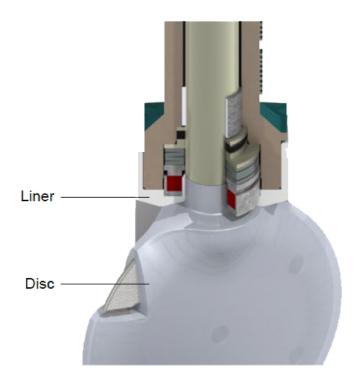
Smart Valve

Positioner

- bus communication Stainless body Flame proof
- Fail freeze positioner

BIANCA CHEMICAL BUTTERFLY VALVES... WHERE THE HIGHEST SAFETY IS ESSENTIAL!





EXPECT... QUALITY AND SERVICE FROM AVK FLOW CONTROL

AVK Flow Control offer close client communication which together with an understanding of local conditions and most industrial applications allows us to provide the best quality solution for your business. With our ISO 9001 accreditation for business systems, you can be assured that AVK Flow Control will deliver products with the lowest life-cycle cost and highest levels of reliability.

AVK Flow Control holds 3rd party accreditation for:

ISO 9001 - Quality Management

ISO 14001 - Environmental Management

ISO 4801 - Occupational Health & Safety

For a solution to be developed for your business requirements, contact

AVK Flow Control on +61 8 8262 8885 or visit our website - www.avkflowcontrol.com.au







AVK FLOW CONTROL PTY LTD

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