

AVK FLOW CONTROL

OPTIMAL **VALVE SOLUTIONS** PRODUCT PROGRAM



InterApp



World Valve



Wouter Witzel



TEC artec



AVK





CONTENT:

AVK FLOW CONTROL	4-5
BUTTERFLY VALVES	6-7
BALL VALVES	8
GATE VALVES	9
ACTUATED VALVES, SWITCH BOXES & ACCESSORIES	10-11
CHECK VALVES	12
STEAM TEMPERATURE CONTROL	13
FIRE FIGHTING	14-15
FIRE FIGHTING ACCESSORIES	16
AVK FLOW CONTROL SEGMENTS	19



AVK FLOW CONTROL OPTIMAL VALVE SOLUTIONS

AVK FLOW CONTROL DELIVERS ADVANCED VALVE SOLUTIONS BASED ON APPLICATION KNOWLEDGE AND UNDERSTANDING, COMPETENT LOCAL SUPPORT AND INTERNATIONAL COORDINATION.

BACKED UP BY THE LEADING COMPANIES AND MANUFACTURERS OF INDUSTRIAL VALVES, YOU CAN EXPECT HIGH AND CONSISTENT QUALITY AND SERVICE

01 | EXPECT APPLICATION
KNOWLEDGE AND
UNDERSTANDING

02 | EXPECT COMPETENT
LOCAL SUPPORT

03 | EXPECT INTERNATIONAL
COORDINATION



BUTTERFLY VALVES

Wouter Witzel



WOUTER WITZEL EV TYPE
Rubberlined vulcanised butterfly valves.
Complete range of butterfly valves in wafer, semi-lug, tapped-lug, u-section, single flange and double flange.
Options:
Electric and Pneumatic Actuation
Size:
DN50–2200
Pressure:
Up to 25 Bar
Temperature:
Up to +200°C

Wouter Witzel



SERIES DYNAXE
High performance butterfly valve
Double eccentric
Options:
• Carbon Steel or Stainless Steel body
• Carbon Steel disc or Stainless Steel disc
• Metal or PTFE seat
• Firesafe and anti-static
• Wafer or double flangedbody
Size:
DN50–900
Pressure:
Maximum 50 bar
Temperature:
-29°C to +540°C

InterApp



HIGH PERFORMANCE BUTTERFLY VALVE
Wafer and Lugged Versions.
Various Body and Disc Materials available
Options:
Electric and Pneumatic Actuation
Size:
Up to DN800
Pressure:
PN10, 16, 25 or 40
Temperature:
Up to +200°C

InterApp



TRIPLE OFFSET METAL TO METAL SEAT BUTTERFLY VALVE
Body types: Wafer, lug and flange type.
Various Body and Disc Materials available
Options:
Electric and Pneumatic Actuation
Size:
DN80–1400
Pressure:
Max. working pressure 50 bar (up to 100 bar)
Temperature:
Up to +700°C

World Valve



DOUBLE ECCENTRIC HIGH PERFORMANCE. SERIES NUMBER.
Body and trim materials to customer requirements. Teflon or NBR seated.
Wafer, lug, mono flanged and double flanged design.
Size:
Up to DN1200
Pressure:
Full vacuum to 25 Bar
Temperature:
-50 to +230°C

World Valve



RUBBER LINED CENTRIC. SERIES NUMBER.
Vulcanised Butterfly Valve.
Wafer/Lugged/Double.
Flanged. Rubber lined
Options:
• Available in various materials
• Quick delivery times available
Size:
Up to DN2000
Pressure:
Full vacuum to 20 Bar
Temperature:
-30 to +200°C

AVK



SERIES 756/XX FLANGED DOUBLE ECCENTRIC
Body and disc in ductile iron.
Shaft, and pins in stainless steel. Fusion bonded epoxy coating acc to GSK.
Options:
• Stainless steel seat
• IP 68 gearbox
Size:
DN200-2800
Pressure:
PN10/16 & PN25
Temperature:
0 to +70°C

InterApp



INTERAPP DESPONIA LUGGED TYPE
Stainless Steel disc. Loose liner
Options:
• Other seat and disc material available
• Manual, Electric and Pneumatic Actuator
• PN20 rating available
Size:
DN25–600
Pressure:
Up to 20 Bar
Temperature:
-40 to +200°C

InterApp



INTERAPP BIANCA WAFERTYPE
InterAPP Bianaca - Butterfly valve:
Food approved , FDA , EU1935/2004.
Size:
DN32-900
Pressure:
PN10, PN16, ANSI cl. 150
Temperature:
-20°C ÷ 200°C according to working conditions, other temperatures on request

BALL VALVES



**BV022
FLANGE BALL VALVE**
Stainless steel ball valve PN16/40 with flanged ends and two-piece body, full bore. Mounting flange for actuators according to ISO 5211.
Antistatic execution
Options:
Manual, Electric and Pneumatic Actuator
Size:
DN15–100
Pressure:
Up to 63 Bar
Temperature:
Up to +650°C



**BVE22
BVA '22
BVE23**
Ball valve (stainless steel)
Options:
BVE23 Prepared for actuator
Size:
DN10–100
Pressure:
PN63
Temperature:
-20°C to +200°C



**VARITEC
HIGH PRESSURE BALL VALVE
SOFT AND METAL SEATED.**
On/off and control function.
Custom made.
Size:
DN25–1400
Pressure:
up to PN420
Temperature:
-196 °C to +550 °C



FLANGE BALL VALVE
Stainless steel ball valve with 3-piece body, full bore, top flange for mounting of actuator.
Size:
DN10–100
Pressure:
PN63
Temperature:
10°C to +160°C



3-WAY BALL VALVE
(brass, nickel plated)
suitable for applications with hot and cold water, compressed air, oils, hydrocarbons and non-corrosive fluids.
Options:
3-way brass ball valve, full bore, top flange for mounting of actuator
Size:
DN15–50
Pressure:
PN25
Temperature:
0°C to +150°C



**VARITEC
HIGH PRESSURE BALL VALVE
CERAMIC PARTS**
Tungsten carbide coating.
On/off and control function.
Size:
DN25–250/1000
Pressure:
From 16 Bar to 420 Bar
Temperature:
Up to +200°C/+550°C



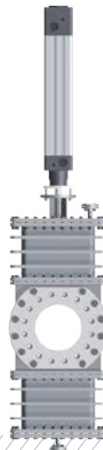
GATE VALVES



TECGATE SHUT-OFF VALVE
Shut-off valve fully welded design with internal spindle. Due to the use of a back seal for the spindle, the packing seals can be replaced during operation.
Size:
DN80–400
Pressure:
PN16 – PN100
Temperature:
-10 to +70°C



TECSLIDE FLAT PLATE GATE VALVE
Shut-off valve with a three-part modular design.
The slider plate is moved over a rising spindle.
Options:
Flange to DIN or ANSI
Size:
DN50 to DN1200
Pressure:
DN10–40
Temperature:
Up to +550°C



SERIES 06/30
Resilient seated gate valve. Face to face. Body and bonnet in ductile iron.
Operated with handwheel handwheel/ gearbox or actuator
Options:
• Stem in stainless steel
• Wedge in NBR rubber
• Replaceable stem sealing (up to DN500)
Size:
DN40–600 and DN800
Pressure:
Up to 16 Bar
Temperature:
0 to +70°C



SERIES 55/74
Flanged gate valve prepared for actuator
Face to face DIN F4 or DIN F5
Size:
(F4) DN40–400
(F5) DN50–500
Pressure:
PN10–16
Temperature:
0 to +70°C



ACTUATED VALVES, SWITCH BOXES & ACCESSORIES

InterApp



- AUMA**
- Torque range from 50 Nm to 2,400 Nm
 - Swing angles from 75° to 105°
 - Operating time ranges for 90° from 4 s to 100 s
 - Limit and torque seating
 - 3-ph AC and 1-ph AC motors
 - Handwheel for manual operation
 - Mechanical Position indicator

InterApp



- ELECTRIC ACTUATORS**
- Torque range - $M_d = 10-20-35-60-100$ Nm
 - Limit switches - 4 adjustable limit switches 5A (2x int. + 2x ext.)
 - Heating resistance - ER 10 + 20 7 W, ER 35 + 100 10 W controlled
 - Duty rating - ED = 50%
 - Protection - IP66
 - Temperature range -
-10°C ÷ 55°C (Fail Safe:
-10°C ÷ 40°C)
 - Electronic torque limiter,
failure feedback relay

InterApp



- ELECTRO-PNEUMATIC POSITIONER**
- 4-20mA input
 - Input and output pressure gauges
 - Aluminium housing
 - Push button programming
- Options:**
- Plastic or Stainless Steel housing
 - Exd or Exia certification
 - Output signal

InterApp



- SOLENAID VALVE**
- 1000 KPA pressure rating
 - Namur mount
 - Aluminium construction
- Options:**
- 24DC supply
 - 240VAC supply
 - 110VAC supply
 - 24VAC supply
 - Process valves
 - Body materials

InterApp



- DESPONIA MANUAL ACTUATOR**
- Handlever Aluminium - Valve size 25-300
 - Handlever GGG40 - Valve size 50-200
 - Gearbox Aluminium IP65 Valve size 25-400
 - Gearbox GG25 IP67 - Valve size 50-1000
 - Buried Service available

InterApp



- BALL VALVE PNEUMATIC SINGLE OR DOUBLE ACTING ACTUATOR**
- Ball Valve
 - DN15-100
 - 3 Piece body
 - Stainless Steel construction
 - Threaded BSP/NPT

InterApp



- PNEUMATIC ACTUATORS**
- The rack and pinion pneumatic actuator IA Motion combines innovative design features with the latest technology, materials and protection coatings available, resulting in one of the highest grade pneumatic actuators on the market.

InterApp



- SWITCH BOX**
- Aluminium housing ISO 5211 mounting
 - Open/closed indicator
 - 2 x Microswitch output
 - IP67 weather proof
 - 2x 1/2" NPT conduit
 - Cam adjustment
- Options:**
- Explosion proof housing
 - Plastic housing

InterApp



- ACTUATED BUTTERFLY VALVE**
- Butterfly Valve
 - Wafer or Lugged Type
 - EPDM/NBR/PTFE Seat
 - 316/Nylon/Duplex/PTFE disc
 - Double acting or Spring Return Pneumatic



CHECK VALVES

AVK



SERIES 41/XX
Swing check valve.
Resilient seated.
Free shaft.
Ductile iron
Options:
• lever and weight
• lever and spring
Size:
DN50–600
Pressure:
PN10 or PN16
Temperature:
0 to +70°C

AVK



SERIES 641/12
Recoil Check Valve.
Metal seated high performance, fast acting,
non slam check valve.
Size:
DN350–500
Pressure:
10 + 16 + 25 Bar
Temperature:
0 to +70°C

InterApp



CHECK VALVE
Metal seated check valves.
Options:
Other PN ratings on request
Size:
DN32–600
Pressure:
Up to 16 Bar
Temperature:
-10 to +400°C

InterApp



CHECK VALVE
Metal seated check valves.
Options:
Other PN ratings on request
Size:
DN32–600
Pressure:
Up to 16 Bar
Temperature:
-10 to +400°C

InterApp



CHECK VALVE
Metal seated check valves.
Size:
DN32–600
Pressure:
Up to 16 Bar
Temperature:
-10 to +400°C

Wouter Witzel



EUROVALVE CHECK VALVE
Flangeless wafer type.
Seat bonded to the body
EN 1092 PN6 and 16.
ASME B16.5 cl. 150.
MMS SP 44 cl. 150.
Face to face: EN558-1/2 Series 16.
Size:
DN50 – 600
Pressure:
Up to 16 Bar
Temperature:
-40 to +200°C

STEAM TEMPERATURE CONTROL



TEC artec



STEAM CONVERSION STATION
Steam pressure and temperature control.
Safety function acc. to TRD421
Size:
DN50–2000
Pressure:
25 – 400 Bar
Temperature:
Up to +580°C

TEC artec



MOTIVE STEAM NOZZLE
Steam temperature control near
saturation curve.
Custom made
Size:
DN200–2000
Pressure:
Up to 400 Bar
Temperature:
Up to +750°C

TEC artec



DESUPERHEATER VALVE
Steam temperature control by injecting boiler
feed water
Control range 1:50 standard
Control range 1:2500 HT version
Size:
DN200–1000
Pressure:
25 – 400 Bar
Temperature:
Up to +750°C

FIRE FIGHTING



SERIES 27/00
Dry barrel monitor fire hydrant.
Bury depth 2½" - 10"
250 PSI
Ductile Iron
UL/ULC listed.
FM approved.
Monitor flange options:
3"-4"
Size:
Up to DN1200
Pressure:
16.1 Bar
Temperature:
0 to +70°C



SERIES 34/00
Post indicator, telescopic
for DN100-400 P.I. gate valves
Bury depth: 505-2210 mm
Ductile iron
UL/ULC listed, FM approved
Size:
DN100-400



SERIES 45/56
Flanged gate valve with rising stem
250 PSI
Ductile iron
UL/ULC listed
FM approved
Options:
Flanged, pushon or mechanical joint ends.
Size:
DN65-300
Pressure:
PN16
Temperature:
0 to +70°C



SERIES 06/37
Grooved end gate valve
with position indicator
Size:
DN50-300
Pressure:
PN16
Temperature:
0 to 70°C



SERIES 34/80
Wall post indicator, for DN100-400 P.I.
gate valves
Stem length 250-1250 mm
Ductile iron
UL/ULC listed, FM approved
Size:
DN65-400



WET BARREL FIRE HYDRANT TO AWWA
AVK wet barrel hydrant is designed to be
a trouble free, easy to maintain hydrant.
Designed so that one person can perform
all routine repairs and maintenance.
Size:
DN150
Pressure:
PN16
Temperature:
0 to +70°C



SERIES 45/59 NRS
Flanged gate valve with wrench nut to AWWA
C509
DN100-300: 250 PSI
DN350-400: 200 PSI
Ductile iron, UL/ULC listed, FM approved
Options:
Flanged, pushon or mechanical joint ends.
Size:
DN50-400
Pressure:
PN16
Temperature:
0 to +70°C



SERIES 45/59
Flanged gate valve with post indicator flange
DN100-300: 250 PSI
DN350-400: 200 PSI
Ductile iron, UL/ULC listed, FM approved
Options:
Flanged, pushon or mechanical joint ends.
Size:
DN65-400
Pressure:
PN16
Temperature:
Up to +70°C



SERIES 27/00
Dry barrel fire hydrant modern style
Bury depth 2½" - 10"
250 PSI
Ductile Iron
UL/ULC listed, FM approved
Inlet options:
• 4"-6" flanged
• 4"-6" PE End
Size:
DN150
Pressure:
16.1 - 16.5 Bar
Temperature:
0 to +70°C



SERIES 06/35
Flanged gate valve with
position indicator
Ductile iron
VdS approved
(DN50-200 only)
Size:
DN50-400
Pressure:
PN10 or PN16
Temperature:
0 to +70°C



SERIES 75/41
Butterfly valve
Centric with fixed liner
Double flanged short
Ductile iron
FM approved
Size:
DN50-300
Pressure:
PN10 or PN16
Temperature:
0 to +70°C



SERIES 75/31
Butterfly valve
Centric with fixed liner
Semi lug
Ductile iron
VdS approved
Size:
DN50-300
Pressure:
PN10 or PN16
Temperature:
0 to +70°C

FIRE FIGHTING ACCESSORIES

AVK



SERIES 04
Extension Stem
Galvanised Steel inner shaft
PE outer tube 450-5250mm
Fixed or Telescopic

Size:
Available in following lengths (in mm):
800-1000
1250-1500
2000-3000

AVK



SERIES 04/041
Extension spindle for gate valves Telescopic
Key adaptor #23-32 with spindle adaptor fitting to
US type wrench nut
DN40-400

Size:
Available in following lengths (in mm):
450-700
650-1100
1050-1700
1700-2900

AVK



SERIES 04/74
Surface box Reversible
Ductile iron
Size:
Lid diameter: 131mm
Lid inscription: "Fire"

AVK



SERIES 04/15
T-key for gate valves

AVK



SERIES 854/00
Ball float valve with lever and floating ball.
Ductile iron
Size:
DN50 - 300
Pressure:
PN16





AVK FLOW CONTROL SEGMENTS

AT AVK FLOW CONTROL, WE FOCUS ON **FOUR MAIN TARGET SEGMENTS**. IN THIS WAY WE ARE ABLE TO HIGHTEN THE QUALITY OF OUR SOLUTIONS, AND BE CLOSER TO OUR CUSTOMERS AT ALL TIMES.



OPTIMAL **VALVE SOLUTIONS**
FOR POWER GENERATION



OPTIMAL **VALVE SOLUTIONS**
FOR OIL AND GAS PLANTS



OPTIMAL **VALVE SOLUTIONS**
FOR THE MINING INDUSTRY



OPTIMAL **VALVE SOLUTIONS**
FOR WATER TREATMENT



AVK FLOW CONTROL PTY LTD

HEAD OFFICE

6 Wirriga Street
Regency Park, SA 5010
Australia

Tel: +61 8 8262 8885
Fax: +61 8 8262 7071
sales@avkflowcontrol.com.au

PERTH

Unit 1, 61 Prosperity Avenue
Wangara, WA 6065
Australia

Tel: +61 8 9303 2690
Fax: +61 8 9302 2136
saleswa@avkflowcontrol.com.au

KALGOORLIE

31, 46 Great Eastern Highway
Kalgoorlie, WA 6430
Australia

Tel: +61 8 9022 7228
Fax: +61 8 9022 7230
saleskal@avkflowcontrol.com.au

BRISBANE

67 Musgrave Road
Cooper Plains, QLD 4108
Australia

Tel: +61 7 3277 7054
Fax: +61 7 3277 0591
salesqld@avkflowcontrol.com.au

VICTORIA

Tel: +61 447 461 908

NEW ZEALAND

Tel: +61 447 461 908

www.avkflowcontrol.com.au

Expect... **AVK**