

ZENZELE VALVES (PTY) LTD



**PRODUCT
RANGE**

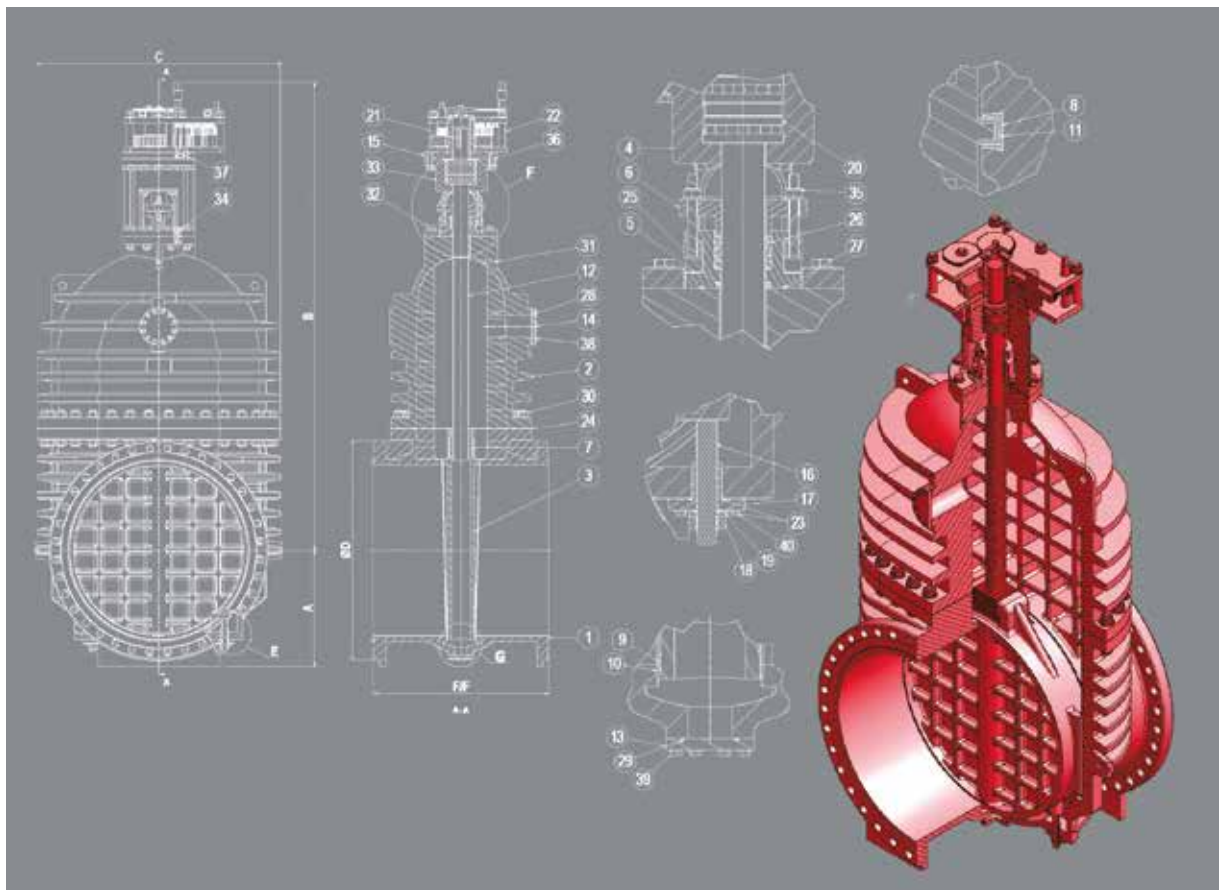


BRANDS

ZENZELE VALVES.....	X
ZENZELE GEARBOXES.....	X
PREMIER VALVES.....	X
GRUNRIC VALVES.....	X
CEMENTATION.....	X
WOUTER WITZEL.....	X
ORBINOX.....	X
INTERAPP.....	X
TEC ARTEC.....	X

HIGH QUALITY VALVES AND ACCESSORIES

ZENZELE VALVES (PTY) LTD SA COMPANY CREATED THROUGH THE EFFORTS OF DEDICATED AND HISTORICALLY DISADVANTAGED MEN AND WOMEN SUPPLYING PRODUCTS AND SERVICES OF THE HIGHEST STANDARDS AND QUALITY.



ZENZELE VALVES



Flanged double eccentric butterfly valve

Body and disc in ductile iron. Shaft, and pins in Stainless Steel. Fusion bonded epoxy coating acc to GSK.

Large diameter resilient seated gate valve

Body and bonnet in ductile iron. Stem in stainless steel. Wedge in ductile iron. Operated by gearbox and hand wheel or actuator.

Swing check valve

Body and bonnet in ductile iron. Stem and hinge in stainless steel. Lever and weight or lever and spring.

Resilient seated gate valves

Body and bonnet in ductile iron. Stem in stainless steel. Wedge in ductile iron. Operated by gearbox and hand wheel or actuator.

Flanged resilient seated post indicator gate valve

Body and bonnet in ductile iron. Stem in stainless steel. Wedge in ductile iron vulcanized with AVK EPDM rubber. Fusion bonded epoxy coating acc. to GSK Operated by Post Indicator.

Specifics:

Size:
DN200 - DN2200

Pressure:
10 + 16 + 25 Bar

Temperature:
0 to +70°C

Specifics:

Size:
DN700 - DN800

Pressure:
Up to 16 Bar

Temperature:
0 to +70°C

Specifics:

Size:
DN50 - DN600

Pressure:
Up to 16 Bar

Temperature:
0 to +70°C

Specifics:

Size:
DN40 - DN800

Pressure:
Up to 16 Bar

Temperature:
0 to +70°C

Specifics:

Size:
DN80 - DN300

Pressure:
16 Bar

Temperature:
Up to +70°C



Flanged resilient seated wrench nut gate valve

Body and bonnet in ductile iron. Stem in stainless steel. Wedge in ductile iron vulcanized with AVK EPDM rubber. Fusion bonded epoxy coating acc. to GSK. Operated by stem extension.

Flanged resilient seated gate valve OS&Y

Body, bonnet, yoke and hand wheel in ductile iron. Stem in copper alloy. Wedge in ductile iron vulcanized with AVK EPDM rubber. Fusion bonded epoxy coating acc. to GSK. Operated by hand wheel.

Flanged resilient seated pin indicator gate valve

Body and bonnet in ductile iron. Stem in stainless steel. Wedge in ductile iron vulcanized with AVK EPDM rubber. Fusion bonded epoxy coating acc. to GSK. Operated by hand wheel.

Flanged concentric butterfly valve

Body and bonnet in ductile iron. Stem in stainless steel. Wedge in ductile iron vulcanized with AVK EPDM rubber. Fusion bonded epoxy coating acc. to GSK. Operated by hand wheel.

Series 06/44 Flanged gate valve PN10/16

Flanged gate valve for sewer applications to max.35°C. Designed according to EN 1074 part 1 & 2 and EN 1171; Standard Flange drilling to EN1092-2 (ISO 7005-2), PN 10/16; Hydraulic test according to EN 1074-1 and 2 / EN 12266; Seat:1.1 x PN (in Bar), Body: 1.5 x PN (in Bar) Operation torque test.

Specifics:

Size: DN65 - DN300

Pressure: 16 Bar

Temperature: 0 to +70°C

Specifics:

Size: DN65 - DN300

Pressure: 16 Bar

Temperature: 0 to +70°C

Specifics:

Size: DN50 - DN400

Pressure: 10 + 16 Bar

Temperature: 0 to +70°C

Specifics:

Size: DN50 - DN300

Pressure: 10 + 16 Bar

Temperature: 0 to +70°C

Specifics:

Size: DN50 - DN400

Temperature: 0 to +35°C



Series 29/388 Underground fire hydrant PN16

Complies with requirements of BS 750:2006 and BS EN1074-2:2004 and EN143339:2005, underground hydrants; also to BS EN1074-6 for portable drinking water (for water and neutral liquids to max 70°C). London Round.

Series 29/288 Underground fire hydrant PN16

Complies with requirements of BS 750:2006 and BS EN1074-2:2004 and EN143339:2005, underground hydrants; also to BS EN1074-6 for portable drinking water. London Round.

Specifics:

Size: DN80

Specifics:

Size: DN80



Series 910/11 Y-Strainer PN16

Designed according to manufacturer's standards. Face to face according to EN558 Table 2. Standard flange drilling to EN1092-2 (ISO 7005-2) PN16.

Specifics:

Size: DN50 - DN300



**Series 01/80
Socket ended RSV
gate valve PN16**

Designed according to EN 1074 part 1 & 2 and EN 1171; Hydraulic test according to EN 1074-1 & 2 / EN 12266; Epoxy coating to DIN 30677-2; GSK Approved; EURO socket ends, NRS. (for drinking water and neutral liquids to max 70°C).

Specifics:

Size:
DN50 - DN400

Temperature:
0 to +70°C

**Series 43/60
RSV Flanged gate
valve PN10/16**

Designed according to EN1074 part 1 & 2 and EN1171; Face to Face according to SABS 664/1989.A; Standard flange drilling to EN1092 (ISO 7005-5); Hydraulic test according to SABS 664; Non-Rising Spindle; Epoxy coating to DIN 30677-2 and AVK Guidelines. Available in RHC and LHC. (for drinking water and neutral liquids to max 70°C).

Specifics:

Size:
DN50 - DN300

Temperature:
0 to +70°C

**Series 02/20
RSV Flanged gate
valve PN10/16**

Designed according to EN1074 part 1 & 2 and EN1171; Face to Face according to EN 558 Table 2; Basic Series 3; Standard flange drilling to EN1092 (ISO 7005-5); Hydraulic test according to EN 1074 and 2 / EN 12266; Epoxy coating to DIN 30677-2; GSK approved. (for drinking water and neutral liquids to max 70°C).

Specifics:

Size:
DN50 - DN400

Temperature:
0 to +70°C

**Series 06/30
RSV Flanged gate
valve PN10/16**

Designed according to BS5150 / DN 3202 Part 1; Non-Rising Spindle; Standard Flange drilling ISO 7005-2; RHC and LHC; Face to Face to BS 5150/en10741&2; Epoxy coated according to DIN 30677-2 and GSK Guidelines; Closing direction: RHC & LHC.

Specifics:

Size:
DN50 - DN800

Temperature:

**Series 02/60
RSV Flanged gate
valve PN10/16**

Designed according to EN1074 part 1 & 2 and EN1171; Face to Face according to EN 558 Table 2 Basic Series 15; Standard flange drilling to EN1092 (ISO 7005-5); Hydraulic test according to EN 1074-1 and 2/EN 12266; Epoxy coating to DIN 30677-2 and AVK Guidelines. Closing direction: RHC and LHC. (for drinking water and neutral liquids to max 70°C).

Specifics:

Size:
DN400 - DN500

Temperature:
0 to +70°C



**Series 06/35
RSV Flanged gate
valves with PIN
indicator and
handwheel PN10/16**

Designed according to EN1074 part 1 & 2 and EN1171; Face to Face according to EN 558 Table 2 Basic Series 14; Standard flange drilling to EN1092 (ISO 7005-5); Hydraulic test according to EN 1074-1 and 2/EN 12266; Epoxy coating to DIN 30677-2 and AVK Guidelines. Closing direction: RHC (for fire protection applications to Max of 70°C).

Specifics:

Size:
DN50 - DN300

Temperature:
0 to +70°C

**Series 21/60
RSV Flanged gate
valve PN25**

Designed according to BS5163 & EN1074 Part 1 & 2; Standard Flange drilling len1092-2 (ISO 7005-2); Face to Face to EN558 Table 2 basic series 3; Closing direction: RHC & LHC; Stem Sealing exchangeable under pressure.

Specifics:

Size:
DN50 - DN400

Temperature:

**Series 02/67
RSV Flanged gate
valve PN25**

Designed according to EN1074 part 1 & 2 and EN1171; Face to Face according to EN 558 Table 2 Basic Series 15; Standard flange drilling to EN1092 (ISO 7005-5); Hydraulic test according to EN 1074-1 and 2 / EN 12266; Epoxy coating to DIN 30677-2 and AVK Guidelines. (f or drinking water and neutral liquids to max 70°C).

Specifics:

Size:
DN50 - DN300

Temperature:
0 to +70°C

**Series 32/89
(SABS 664)
Victaulic rising gate
spindle valve PN16**

Designed according to SABS 664 Specification; Rising spindle ; Epoxy Coated Internally and Externally to DIN 30677-2.

Specifics:

Size:
DN50 - DN300

Temperature:

**Series 32/89
(SABS 665)
Victaulic rising gate
spindle valve PN16**

Designed according to SABS 664 Specification; Rising spindle ; Epoxy Coated Internally and Externally to DIN 30677-2.

Specifics:

Size:
DN50 - DN300

Temperature:
0 to +70°C



**Series 32/82
Plain ended gate
valve PN16**

**Series 55/30
RSV Flanged gate
valves PN10/16
(450mm - 600mm)**

**Series 37/50
Metal seated gate
valve PN10/16**

**Series 37/80
Metal Seated Gate
Valve PN25**

**Series 21/66
RSV gate valve with
rising stem and
handwheel PN25**

Designed according to SABS 664/1989; WITH SPIGOT ENDS FOR ASBESTOS CEMENT PIPES; Epoxy Coated Internally and Externally to DIN 30677; Closing available in RHC & LHC.

Designed according to DIN / EN; Face to Face according to EN 558 TABLE 2 BASIC SERIES 15; Standard flange drilling to EN1081-2; GSK guidelines; Hydraulic test according to EN 1074-1.

Designed according to EN 1074 part 1 & 2; Flange drilling to EN 1092-2 (ISO 7005-2); Face to Face to EN558-1 series 3; Epoxy Coated according to DIN 30677-2 and GSK approved. (for water, sewage and neutral liquids to max 70°C).

Designed according to EN 1074 part 1 & 2; Flange drilling to SANS 1123; Face to Face to SANS 664-1 / EN558 Table 2 series 19; Available in RHC and LHC (for water, sewage and neutral liquids to max 70°C).

Designed according to EN 1074 part 1 & 2; Flange drilling to EN 1092-2 (ISO 7005-2); Face to Face according to EN 558 table 2 basic series 3; Hydraulic test according to EN1074-2 (for water, sewage and neutral liquids to max 70°C).

Specifics:

Size:
DN50 - DN300

Temperature:

Specifics:

Size:
DN500 - DN600

Temperature:

Specifics:

Size:
DN50 - DN300

Temperature:
0 to +70°C

Specifics:

Size:
DN50 - DN300

Temperature:

Specifics:

Size:
DN50 - DN400

Temperature:
0 to +70°C



**Series 21/89
RSV gate valve with
rising stem and
handwheel PN16**

**Series 41/6X
Resilient seated
swing check
valve PN16**

**Series 53/3X
Ball check valve
PN10**

**Series 851/20
Double office (dual
function) air valve
with VNR - Vent
Non-Return PN16**

**Series 851/10
Double office (dual
function) air valve
with VNR - Vent
Non-Return PN25**

Designed according to EN 1074 part 1 & 2; Flange drilling to EN 1092-2 (ISO 7005-2); Face to Face according to EN 558 table 2 basic series 3 (for water, sewage and neutral liquids to max 70°C).

Face to face dimension to DIN 3202-F6 / BS 5153:1974 (1992); Flanges and drilling to ISO7005-5 (EN1092-2:1997, DIN 2501). Epoxy coated internally and externally to DIN 30677.

Ball check valve Ductile iron NBR rubber; standard flange drilling to EN1092-2 (ISO7005-2); Self cleaning function.

Air valve designed according to EN1074-4; Flanges according to EN1092-2 (ISO7005-2); Bolts: A4 Stainless steel; Epoxy coated according to DIN30677-2 and GSK approved (For portable water to max of 70°C).

Air valve designed according to EN1074-4; Flanges according to EN1092-2 (ISO7005-2); Bolts: A4 Stainless steel; Epoxy coated according to DIN30677-2 and GSK approved (For portable water to max of 70°C).

Specifics:

Size:
DN50 - DN400

Temperature:
0 to +70°C

Specifics:

Size:
DN50 - DN300

Specifics:

Size:
DN50 - DN400

Specifics:

Size:
DN50 - DN150

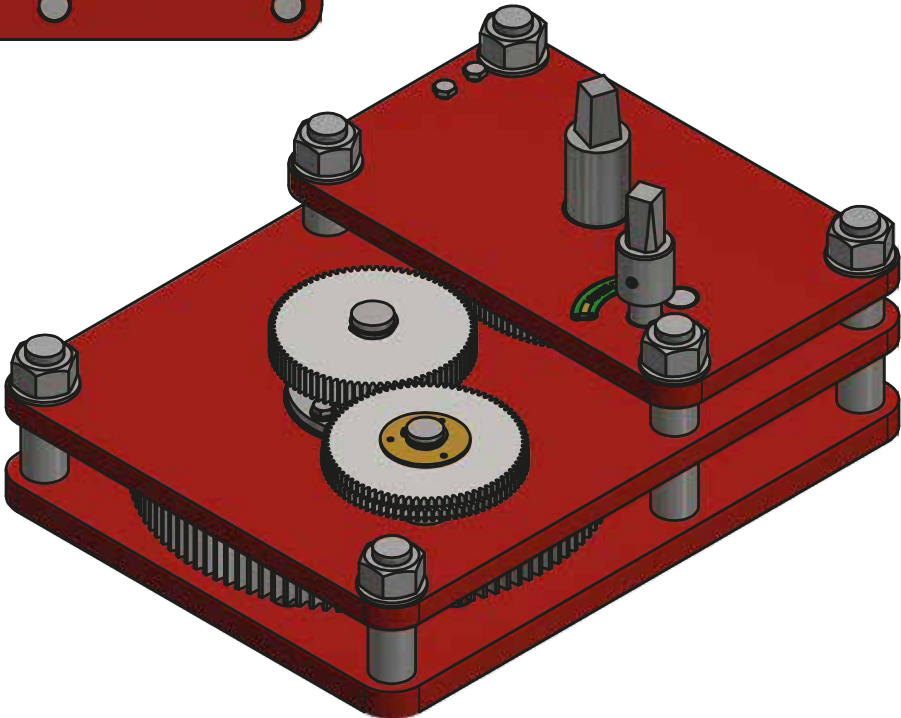
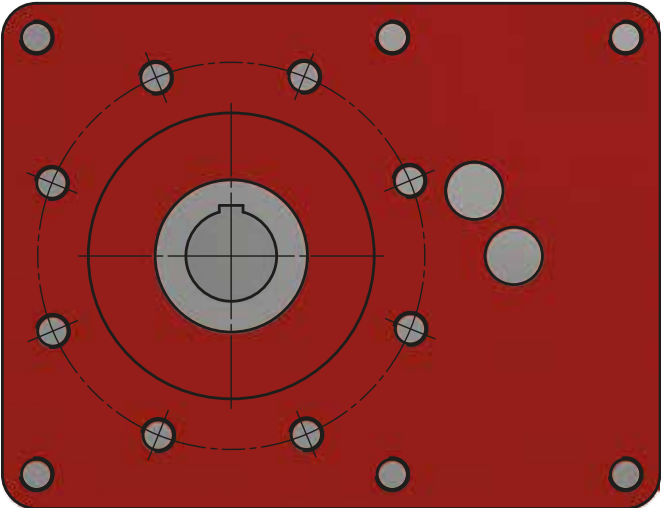
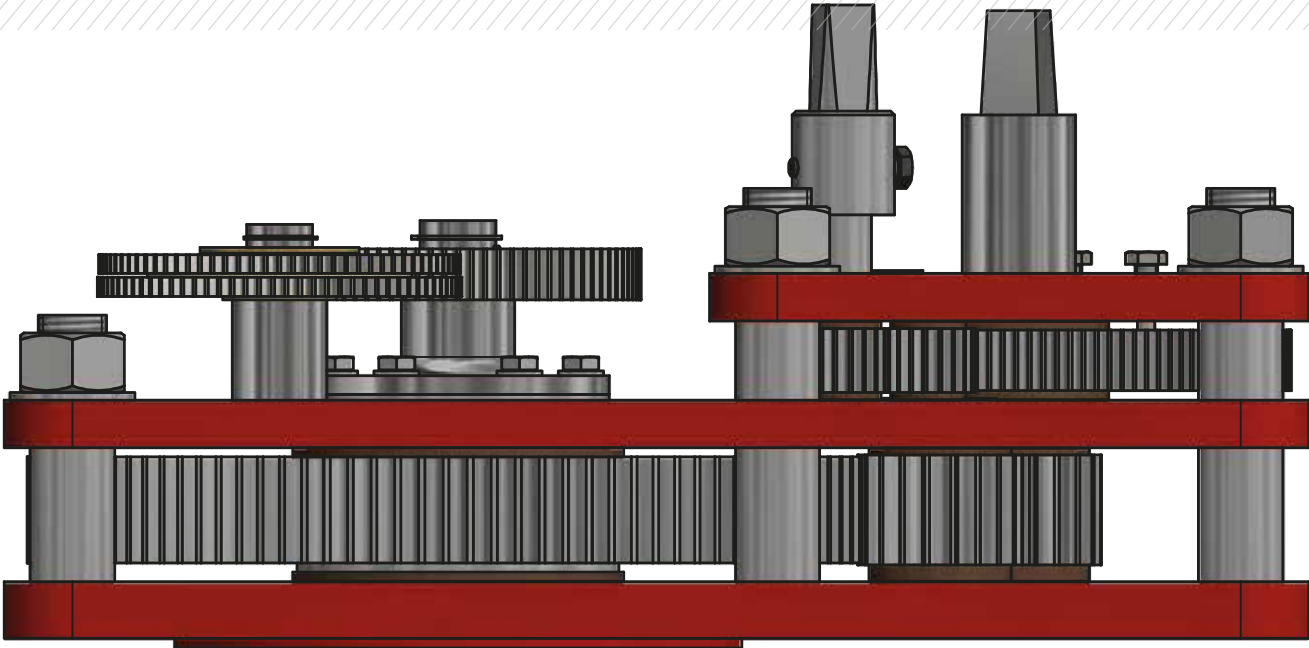
Temperature:
0 to +70°C

Specifics:

Size:
DN50 - DN150

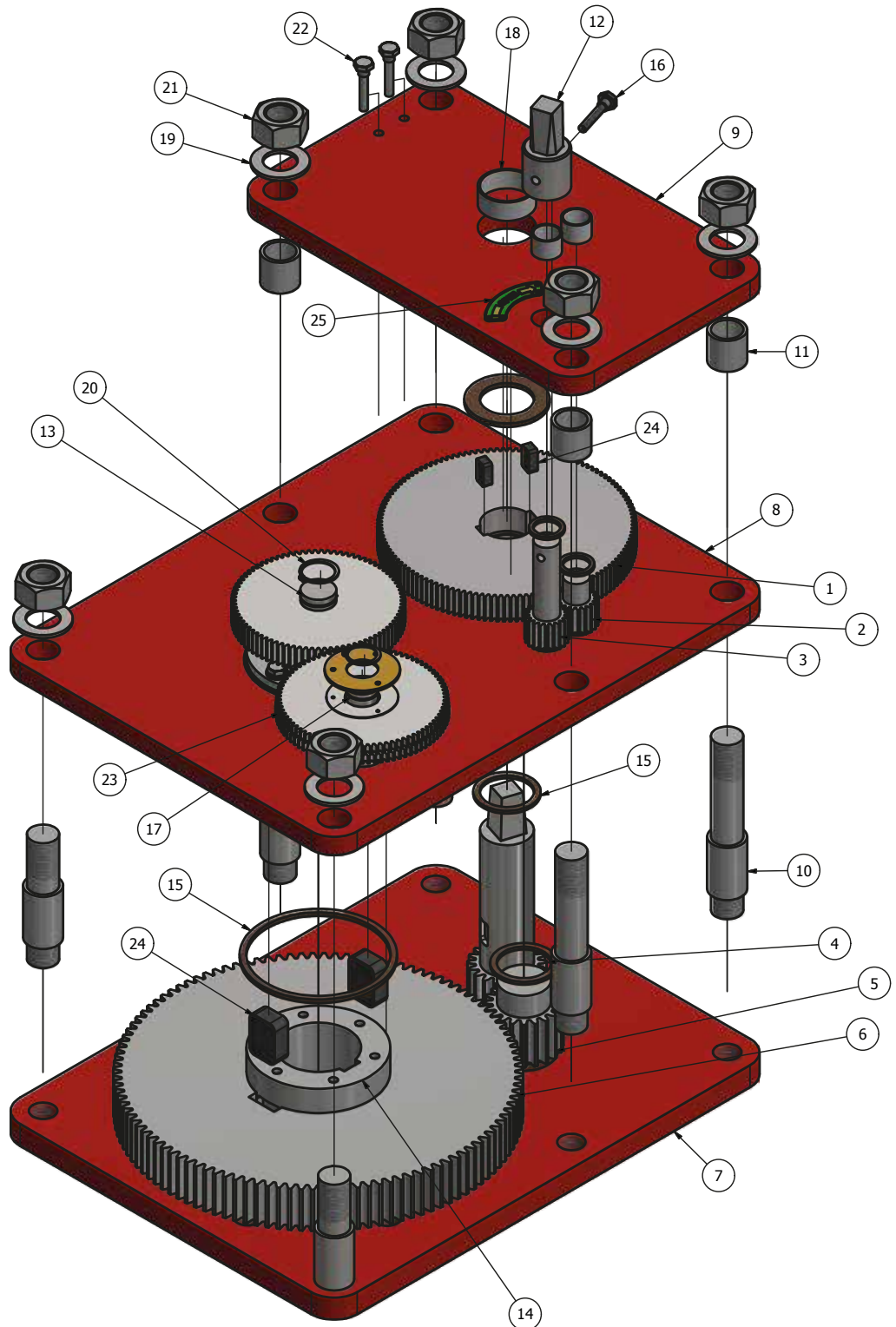
Temperature:
0 to +70°C

ZENZELE GEARBOX RANGE



Ratios and Stages for Zenzele Valves Open Spur Gearboxes

Ratio	Stage
3:1	Single Stage
4:1	Single Stage
6:1	Single Stage
8:1	Double Stage
14:1	Double Stage
20:1	Double Stage
25:1	Double Stage
30:1	Double Stage
32:1	Double Stage
40:1	Double Stage
60:1	Double Stage
80:1	Triple Stage
100:1	Triple Stage
130:1	Triple Stage
200:1	Triple Stage



LOCALLY MANUFACTURED PRODUCTS



**PREMIER BOVING
FLANGED SOFT SEATED
BUTTERFLY VALVE**



**BUTTERFLY VALVE,
B125, B150**



IPV BUTTERFLY VALVE



**GUNRIC TRIPLE ECCEN-
TRIC METAL SEATED
BUTTERFLY VALVE**

SERIES NO.	6137	6136	6142	6145
DESCRIPTION	Boving/Von roll Eccentric butterfly valve	Wafer rubber lined BA butterfly valve	IPV wafer rubber lined butterfly valve	Gunric Triple Eccentric Butterfly Valve
APPLICATIONS	Water , Waste water and cooling water	Cooling water for power generation	Heavy duty fines for mining and slurry	Water, Waste Water, Cooling Water, Mine Water and Chemicals, Steam, Gas
MAIN FEATURES	Replaceable body seat and soft seal on disc	Vulcanized soft seat body liner	Compact design, no gaskets, required and split body, Split body allows for removal from line and controls left line, vulcanized line, operator gearbox, pneumatic and electric actuators, Trigger lever, Disc- 316 Stainless steel, Sanrico 28	Bubble Tight Shut, Fire Safe Certified Design, High Cycle, High Performance, Large Diameters, ISO 5211 Mount
SIZES	200mm to 3000mm	500mm to 1800mm	50mm to 600mm	80mm to 2500mm
OPTIONS	Different disc soft seat materials- EPDM, Bune-N. Removable seat and welded body. Gear-box, lever and counter weight, Electric actuator, hydraulic actuator.	EPDM, Bune- N, Viton and Natural rubber linings. Gearbox, pneumatic actuator, electric actuator	Vulcanized line, operator-gearbox, pneumatic, and electric actuators, Trigger lever, Disc- 316 Stainless steel, Sanrico 28	Seals available in <ul style="list-style-type: none"> • Laminated metal • Solid metal • PTFE • ANSI B16.10
VALVE RATING	PN 6- PN40	PN10 - PN 25	PN 16- PN 25	PN2.5 – PN250, Class 125 to Class 1500
TEMPERATURE RANGE	-10°C to +70°C	-10°C to +70°C	-10°C to +150°C	-35°C to +1000°C
BODY MATERIALS	Ductile iron	Ductile iron	WCB	Available in steel, ductile iron, stainless steel, nickel alloys, fabricated and castings available
APPLICABLE STANDARDS	BS and ISO	Eskom	Manufacturers standard and BS5155	BS EN 593, BS EN 1092, DIN 2630 – 2638, ANSI B16.5, API 605, API 609 & AWWA C207



GUNRIC TILTING DISC CHECK VALVE

GUNRIC DAMPER

BAKER CONTROL VALVE

PREMIER WEDGE GATE VALVE

PREMIER FLANGED CHECK VALVE

6146

6147

6139

6133

6134

Gunric Tilting Disc Check Valve

Butterfly Step Seat Design, 98% Shut off by volume

Baker control valve

Metal Seated gate valve

Flanged single door check valve

Water, Waste Water, Cooling Water and Mine Water

Water, Waste Water, Cooling Water, Air and Gas

Water and mine water with smaller particles

Water & waste water

Water & waste water

Metal to Metal Seal, Drip Tight Shut Off, Horizontal and Vertical Installation, Auto closing, Assisted Closing

Custom made design for application

Self actuated pilot operated, 4:1 turn down ratio, hydraulic globe type

Channel Guides and gate shoes, Solid Wedge

Seat material options

80mm – 2500mm

100mm – 3000mm

50mm to 600mm

80mm to 1800mm

80mm to 500mm

Hydraulic Cylinder, Step Seat Design, Lever with counter weight(s), Integral or replaceable seat

Gearbox, Pneumatic or Electric actuation

Pressure reducing, pressure relief, flow control, level control and pump start up control, electronic control, diaphragm available in neoprene/ Viton/EPDM

Rising stem and non rising stem, Jacking, Screws, Bronze and stainless steel seat option, handwheel, gearbox, electric actuator

Seats in Bronze and stainless steel, Steel weld options

PN6 – PN40, 2.5 Bar to 40 Bar

PN 25 to PN 40

PN 6- PN50

PN10 - PN 64

PN10 - PN 64

-35°C to +425°C

-35°C to +1000°C

-10°C to +70°C

-10°C to +70°C

-10°C to +70°C

Available in steel, ductile iron, stainless steel, nickel alloys, fabricated and castings available

Fabricated Mild Steel, Stainless Steel and Duplex Stainless Steel

Ductile iron and WCB

Ductile iron

Ductile iron, cast steel

BS EN 593, BS EN 1092, DIN 2630 – 2638, ANSI B16.5, API 605, API 609 & AWWA C207

Manufacturers Standard

Manufacturers standard

BS5163, DIN, SANS

Rand Water Board specification, BS5153

LOCALLY MANUFACTURED PRODUCTS



PREMIER MULTI DOOR CHECK VALVE



IPV CHECK VALVE



PREMIER DISPERSING VALVE



IPV BALL VALVE

SERIES NO.	6135	6142	6140	6142A
DESCRIPTION	Flanged multi door check valve	IPV wafer single door check valve	Fixed cone sleeve valve	<ul style="list-style-type: none"> • IPV reduced bore ball valve
APPLICATIONS	Water & waste water	Chemical and petrochemical	Dam outlets, pump stations, scour	Water fuels chemical and acids
MAIN FEATURES	Three piece design, multi door, replaceable centre, lever arm and counter weight, Rapid closing times without slamming	Tight shut-off, spring loaded disc, self aligning disc	Soft seal with tight shut-off	<ul style="list-style-type: none"> • One piece , fire safe
SIZES	500mm to 1800mm	40mm to 600mm	150mm to 2500mm	20mm to 200mm
OPTIONS	Bronze and stainless steel seats	Various material options. Stellite seat option	Mild steel and stainless steel fabrication. Operated by manual gearbox, electric actuator or hydraulic actuator. Custom designs to suit particular applications	Soft seated, metal seated, stellite seats with nitrided ball and vented ball. Operator- lever, gearbox, pneumatic and electric actuator
VALVE RATING	PN10 - PN 64	class 125 to class 900	PN 10- PN 60	Class 150 to Class 300
TEMPERATURE RANGE	-10°C to +70°C	-35°C to +425°C	-10°C to +70°C	-35°C to +425°C
BODY MATERIALS	Ductile iron	SG42, WCB, 316	Mild steel and stainless steel	WCB, 304, 316, Alloy 20, Sanicro 28, Monel, Titanium etc
APPLICABLE STANDARDS	DWA	API 594	DWS (DWA)	Manufacturers standard



IPV BALL VALVE

BALL VALVE

CEM COCK VALVE

6142B

6142C

• IPV Full Bore Ball Valve

• IPV full trunnion mounted bore ball valves

Cem slurry cock valves

Water fuels chemical and acids

Water, fuels, chemicals and acids

Mining - sealing off water for grouting

• Two piece , fire safe

• Three piece design, Full port, Trunnion

Forged body material for 41 Mpa pressures

50mm to 250mm

80mm to 300mm

20mm to 100mm

Soft seated, metal seated, stellite seats with nitrided ball and vented ball. Operator- lever, gearbox, pneumatic and electric actuator

Soft seated, metal seated, stellite seats with Nitrided Ball and vented ball. Operator- lever, gearbox, pneumatic and electric actuator

Various end connections- female threaded, male threaded, Male/Female, Hub to suit hub clamp and flanged

Class 150 to Class 300

Class 600 to Class 900

15Mpa - 41 Mpa

-35°C to +425°C

-35°C to +425°C

-10°C to +150°C

WCB, 304, 316, Alloy 20, Sanicro 28, Monel, Titanium etc

WCB, 304, 316, Alloy 20, Sanicro 28, Monel, Titanium etc

A105 forging

Manufacturers standard

Manufacturers standard

Manufacturers standards

TRADED PRODUCTS



SPHERICAL VALVE

NOZZLE CHECK VALVE

FLEX CHECK VALVE

ECCENTRIC PLUG

DESCRIPTION

Spherical valve design allows for smooth flow with minimal flow resistance on full opening, reducing velocity loss and conserving energy.

Non-slam check valves solve the most arduous waterhammer applications. Maintenance free and mainly installed where huge surge forces are expected, to avoid pump damage.

The Premier Flex Check Valve has a very simple construction and consists of Body, Cover and Flex Disc.

The eccentric design reduces friction between plug and seat, thereby reducing operating torque.

APPLICATIONS

Hydro Power Stations and Dams

Water systems on the pump discharge

The Premier Flex Check Valve has a very simple construction and consists of Body, Cover and Flex Disc.

Ideal for water, sewage, slurries, pulp and paper.

MAIN FEATURES

Double seal design with upstream maintenance seal and downstream service seal. Shaft-end design with self-tightening double seal. Excellent in preventing ingress of sediment.

Nozzle type aerodynamic design Inherent non-slam characteristic. Quick closure, less than 0.15 seconds movement from fully open to fully closed, Short stroke, Low pressure loss. May be installed horizontally, vertically or any other position.

The Flex Disc is made of Steel Plate coated with reinforced Nylon Fabric and Rubber with a nearly full flow to ensure that particles do not deposit in the body. Installed at the outlet of a pump to prevent reverse flow and also waterhammer."

Rectangular Plug area provides excellent throttling performance. Particles are easily passed through the valve without leaving deposits, especially when the shaft is installed in the horizontal position."

SIZES

500mm - 3000mm

50mm - 2200mm

50mm - 800mm

50mm - 800mm

OPTIONS

Various end connections- female threaded, male threaded, Male/Female, Hub to suit hub clamp and flanged

Rubber sealing available on KRVZ(A) - 50mm to 250mm

"The valve has provision for a hydraulic damper to be installed to prevent slamming of the disc."

"Different Rubber coatings for the plug are available ie EPDM, NBR or Neoprene."

VALVE RATING

Up to 100 Bar

10 Bar to 40 Bar

10 Bar

16 Bar

TEMPERATURE RANGE

Up to 60 degrees C

Up to 40 Degrees C

Up to 50 Degrees C

Up to 50 Degrees C

BODY MATERIALS

Casting - Ductile Iron, Cast Steel; Fabrication - Mild Steel. Other materials available on request.

Cast Iron & Ductile Iron

Cast Iron & Ductile Iron

Ductile Iron

APPLICABLE STANDARDS

Manufacturer's Standard

Relevant Sections of BS 6755 - Part1 - 1986

BS 6755, part 1 - 1986; ISO 5208 - 1993

Manufacturer's Standard



RING NEEDLE VALVE

Inline plunger-type control valve used for open/closed or modulating applications.

Water Supply - Drinking Water

Anti-activation system. Gearbox, Electric or Oil-dynamic Actuator

80mm - 1600mm

The valve is available with various trims for high or low pressure drop applications. Anti-cavitation trim. PSEG - Flat Obturator, PSSG - Obturator with V-Port, PSLG - Obturator with a perforated Cylinder or Slotted Cylinder.

16 Bar to 64 Bar

0 up to 40 Degrees C

Ductile Iron and Carbon Steel

WRAS, EN 1074-1, EN 1074-5, EN 558-1 S15 (ISO 5752), EN 1092-2 (ISO 7005-2)



ECCENTRIC PLUG VALVE

The eccentric design reduces friction between plug and seat, thereby reducing operating torque.

Ideal for water, sewage, slurries, pulp and paper.

Rectangular Plug area provides excellent throttling performance. Particles are easily passed through the valve without leaving deposits, especially when the shaft is installed in the horizontal position.”

50mm - 1400mm

“Different Rubber coatings for the plug are available ie EPDM, NBR or Neoprene.”

16 Bar

Up to 50 Degrees C

Ductile Iron

Manufacturer’s Standard



BAKER ELITE VALVE

Automatic self actuated inline Axial Flow Control has features which puts it beyond the capability of standard diaphragm actuated control valves.

Clean Fluid and Air

High Turndown ratio - up to 12:1, low flow stable control, compact and light body design, block mounted pilots.

32mm to 1200mm

Float, Pressure Reducing, Pressure Relief, Solenoid Control, Sustaining Functions

Up to 50 Bar

-15 up to 80 Degrees C

Cast Iron, Ductile Iron, Bronze, Stainless Steel

Manufacturer’s Standard



FLAP VALVE

Flap Valves are used for end-of-line application. Can be fitted to pipes or to walls.

Water and Waste water systems.

Premier Flap valves are corrosion protected by 250 micron FBE coating on Ductile Iron Body and Flap”

80mm - 600mm

Lockable

16 Bar

Up to 80 Degree C

Ductile Iron

Relevant Sections of BS 4504 and EN 1092



TRADED PRODUCTS



VARIX DOUBLE FLANGED BUTTERFLY VALVE

VARIX U-TYPE WAFER BUTTERFLY VALVE

VARIX WAFER TYPE UTILITY BUTTERFLY VALVE

VARIX LUGGED TYPE UTILITY BUTTERFLY VALVE

DESCRIPTION

The valve has a Quarter-turn operation, streamlined disc for low pressure loss and liner cartridge that slides out of the body for easy replacement. The valve provides a bubble tight shut-off and requires no gaskets for installation between flanges

APPLICATIONS

Ideal for Water, Waste Water, Sewage, Cooling Water, gasses, powders and Mining Water.

Ideal for Water, Waste Water, Cooling Water and Mining Water.

Ideal for Water, Waste Water, Cooling Water and Mining Water.

Ideal for Water, Waste Water, Cooling Water and Mining Water.

MAIN FEATURES

Bubble tight shut-off after thousands of operations. Liner bonded to a rigid backing to eliminate seat distortion and reduce seating torque. Low mass for easy installation between flanges – requires no gaskets. Available with various operator options. Valve comes standard with high temperature EPDM liner for applications up to 110°C.

SIZES

50mm - 2200mm

150mm - 1200mm

50mm - 1200mm

50mm - 700mm

OPTIONS

“Available with worm gearbox, pneumatic, electric, hydraulic or float actuators. Different liner material options available. Disc available in Ductile Iron + ENP, Aluminium Bronze, 304SS and 316SS.”

“Available with worm gearbox, pneumatic, electric, hydraulic or float actuators. Different liner material options available. Disc available in Ductile Iron + ENP, Aluminium Bronze, 304SS and 316SS.”

Available with ratchet handlever, worm gearbox, pneumatic, electric, hydraulic or float actuators. Different liner material options available. Disc available in Ductile Iron + ENP, Aluminium Bronze, 304SS and 316SS.

“Available with ratchet handlever, worm gearbox, pneumatic, electric, hydraulic or float actuators. Different liner material options available. Disc available in Ductile Iron + ENP, Aluminium Bronze, 304SS and 316SS.”

VALVE RATING

PN16

PN16

PN10, PN16 and PN25

PN10, PN16 and PN25

TEMPERATURE RANGE

-20 up to 110 Degrees C

-20 up to 110 Degrees C

-20 up to 110 Degrees C

-20 up to 110 Degrees C

BODY MATERIALS

Ductile Iron

Ductile Iron

Cast Iron & Ductile Iron

Cast Iron & Ductile Iron

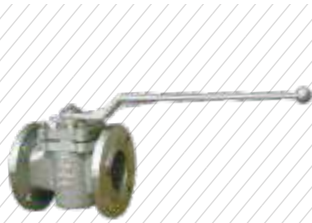
APPLICABLE STANDARDS

Relevant sections of BS 5155, ISO 5752, SANS 1123, BS EN 593

Relevant sections of BS 5155, ISO 5752, SANS 1123, BS EN 593, MSS SP-67

Relevant sections of BS 5155, ISO 5752, SANS 1123, BS EN 593, MSS SP-67

Relevant sections of BS 5155, ISO 5752, SANS 1123, BS EN 593, MSS SP-67



Lined or Sleeved Plug Valve

Premier Knife Gate Valve

Prempulp V-Shaped Segment Ball Control Valve

Prempulp Butterfly Valve

Prempulp Ball Valve

High quality range of Lined Valves for the most severe chemical applications. All combinations of materials available i.e. ductile iron, WCB, stainless steel and other special materials – all lined with either PTFE, PFA, FEP. Besides the valves shown here, Lined Wedge Gate Valves, Globe Valves, Diaphragm Valves as well as Pumps, Pipes, Fittings and a range of Plastic Valves are

- ✓ Metal seated and soft seated
 - ✓ Seat Inserts replaceable
 - ✓ Upstream gate wedge insert replaceable
- Available in standard or through port design

Metal seated and soft seated

Metal seated and soft seated

Metal Seated Ball Valve

Specifics:

Configuration: Flanged, socket end, full bore and reduced bore.

Sizes: 15mm to 500mm
Pressure: 6bar, 10bar, 25bar, 40bar, ANSI class

Specifics:

Sizes: 50mm to 1000mm
Pressure: 10bar, 16bar
Material:

Body: Steel, 304 St. St, 316 St. St and other alloys
Blade: 304St. St, 316 St. St and other alloys

Specifics:

Sizes: 25mm to 600mm
Pressure: 16bar, 25bar, 40bar, 64bar

Material:
Body and Ball: 304 St. St, 316 St. St, 316L St. St and other alloys

Specifics:

Sizes: 50mm to 1000mm
Pressure: 10bar, 16bar, 25bar, 40bar, 64bar

Material:
Body & Disc: 304 St. St, 316 St. St, 316L St. St and other alloys

Specifics:

Sizes: 15mm to 600mm
Pressure: 16bar, 25bar, 40bar, 64bar

Material:
Body & ball: 304 St. St, 316 St. St, 316L St. St and other alloys



PRODUCTS



TRIPLE ECCENTRIC METAL SEATED BUTTERFLY VALVE

TILTING DISC CHECK VALVE

DAMPER

SERIES NO.

6145

6146

6147

DESCRIPTION

Gunric Triple Eccentric Butterfly Valve

Gunric Tilting Disc Check Valve

Butterfly Step Seat Design, 98% Shut off by volume

APPLICATIONS

Water, Waste Water, Cooling Water, Mine Water, Chemicals, Steam and Gas

Water, Waste Water, Cooling Water and Mine Water

Hot air, gas and steam

MAIN FEATURES

Bubble Tight Shut, Fire Safe Certified Design, High Cycle, High Performance, Large Diameters, ISO 5211 Mount

Metal to Metal Seal, Drip Tight Shut Off, Horizontal and Vertical Installation, Auto closing, Assisted Closing

Custom made design for application

SIZES

80mm to 2500mm

80mm – 2500mm

100mm – 3000mm

OPTIONS

Seals available in

- Laminated metal
- Solid metal
- PTFE
- ANSI B16.10

Hydraulic Cylinder, Step Seat Design, Lever with counter weight(s), Integral or replaceable seat

Gearbox, Pneumatic or Electric actuation

Corrosion protection Carboline 891 - 250 micron, S/S welding on blade edge, Actuators, Gearboxes, Packaging, Ex-Works Price

VALVE RATING

PN2.5 – PN250, Class 125 to Class 1500

PN 2.5 – PN 40

PN 2.5 to PN 40

TEMPERATURE RANGE

-35°C to +1000°C

-35°C to +425°C

-35°C to +1000°C

BODY MATERIALS

Available in steel, ductile iron, stainless steel, nickel alloys, fabricated and castings available

Available in steel, ductile iron, stainless steel, nickel alloys, fabricated and castings available

Fabricated Mild Steel, Stainless Steel and Duplex Stainless Steel

APPLICABLE STANDARDS

BS EN 593, BS EN 1092, DIN 2630 – 2638, ANSI B16.5, API 605, API 609 & AWWA C207

BS EN 593, BS EN 1092, DIN 2630 – 2638, ANSI B16.5, API 605, API 609 & AWWA C207

Manufacturers Standard

METAL SEATED TRIPLE ECCENTRIC BUTTERFLY VALVE

Face to Face According to BS EN 593, ANSI B16.10, Flange drilling can accommodate BS EN 1092, DIN 2630-2638, ANSI B 16.5 API 605, B16.47, API 609 & AWWA C207. Pressure test according to BS EN 593

Double Flanged Triple Eccentric Butterfly Valve Materials.

Body & Disc: Fabricated carbon steel S355Jr, S.G. Iron BS2789 Gr.420, Cast Steel A216 WCB. Also Stainless Steel & Nickel Alloys

Shaft: Stainless Steel: 431(EN57)

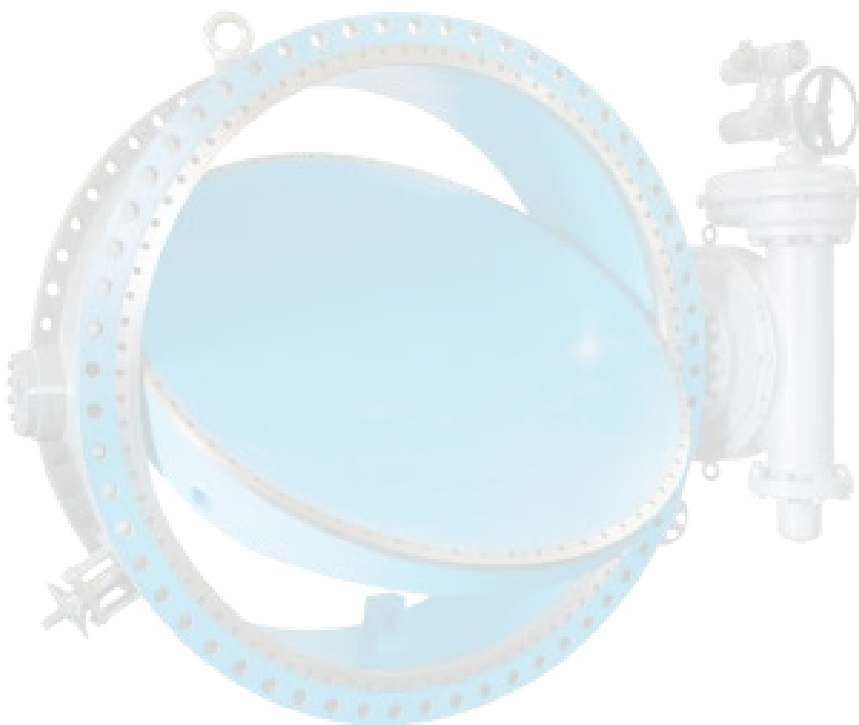
Bearing bush: Glacier DU, Stainless Steel 316 (Chrome Carbide), Phosphor Bronze

Seal Ring: Laminated Stainless Steel

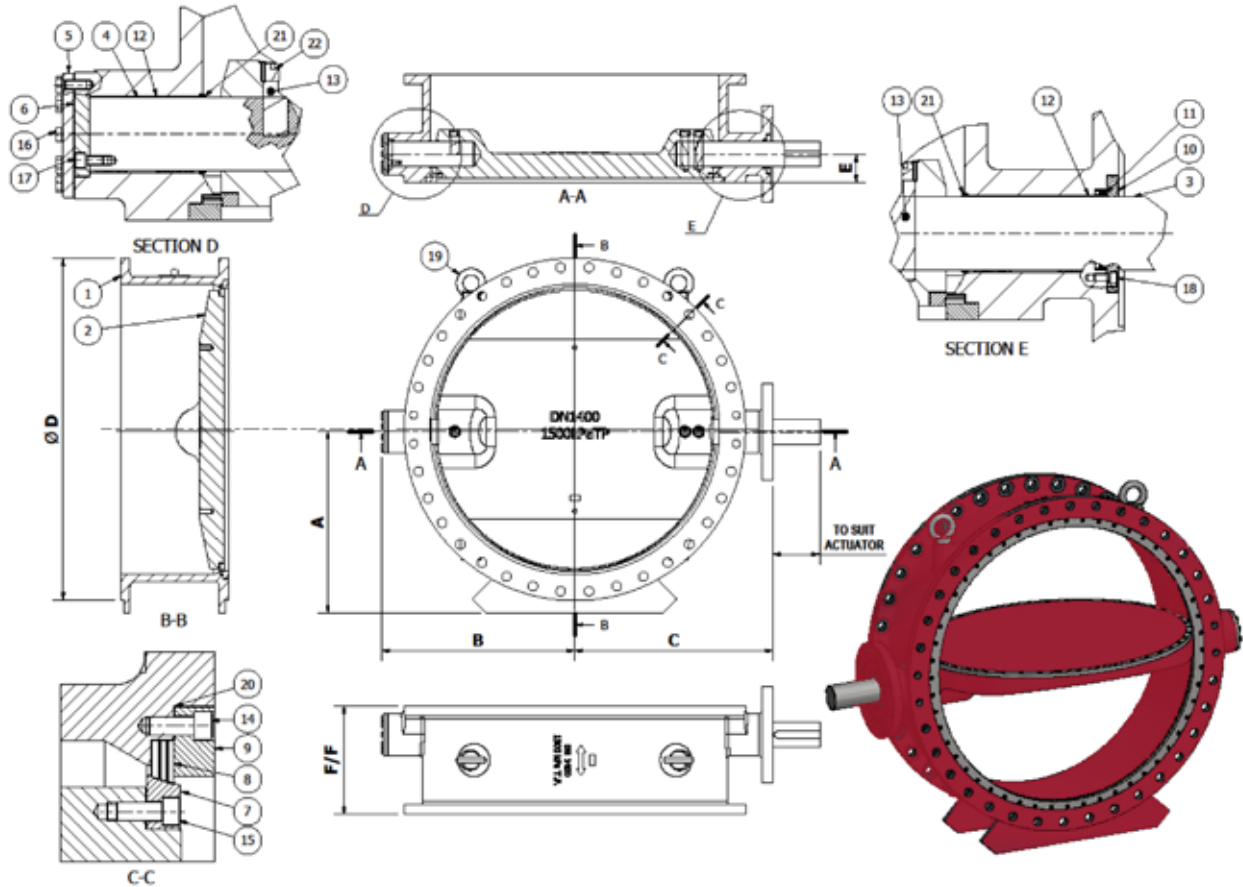
Seat Ring: Stainless Steel 304

Retaining Ring: Stainless Steel 316

Actuation: Valves are generally fitted with worm gearboxes for manual operation. They can also be fitted with electric, pneumatic or hydraulic actuators to suit output drives in accordance with ISO 5211.

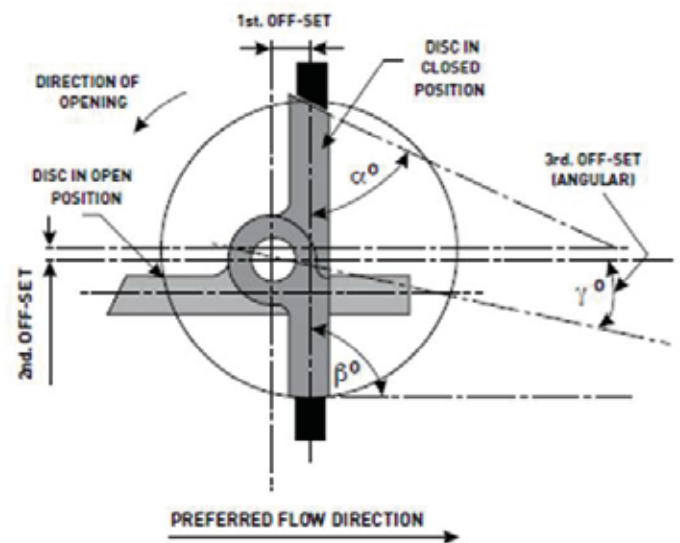


METAL SEATED TRIPLE ECCENTRIC BUTTERFLY VALVE SERIES 61/45



LEGEND

- | | |
|-------------------|-----------------|
| 1. Body | 15. Seat Screw |
| 2. Disc | 16. Cover Screw |
| 3. Drive Shaft | 17. Pad Screw |
| 4. Free End Shaft | 18. Gland Screw |
| 5. End Cover | 19. Eye Bolt |
| 6. Thrust Pad | 20. Gasket |
| 7. Seat Ring | 21. Wiper Seal |
| 8. Valve Seal | 22. Plug |
| 9. Retaining Ring | |
| 10. Gland Ring | |
| 11. Gland Seal | |
| 12. Bearing Bush | |
| 13. Pin | |
| 14. Retain Screw | |



METAL SEATED TILTING DISC CHECK VALVE SERIES 61/46

BB	Type	
01	Test Pressure (kPa) Body/Disc Material Dimension Remarks	1500 S.G.IRON – SANS 936 Gr 420/12 (BS 2789 Gr420/12) 0400-0600-0800 Flat face flanges
02	Test Pressure (kPa) Body/Disc Material Dimension Remarks	3500 S.G.IRON – SANS 936 Gr 420/12 (BS 2789 Gr420/12) 0400-0600-0700-0800-0900-1000-1400-1500-1800 Flat face flanges
03	Test Pressure (kPa) Body/Disc Material Dimension Remarks	5000 Cast Steel - A216 WCB 0150-0300-0450-0900 Raised face flanges O-ring groove on flanges ≤ 600
04	Test Pressure (kPa) Body/Disc Material Dimension Remarks	7000/8500 Cast Steel - A216 WCB 0600-0700-0900 Raised face flanges O-ring groove on flanges ≤ 600
05	Pressure Rating (kPa) Body/Disc Material Dimension	1000 M.S. SABS 1431/300WA (0200-1200) 0200-0250-0300-0350-0400-450-0500-600-800-0900-1000- 1050(NS)-1200- 1350(NS)-1400-1500(NS)-1800
06	Pressure Rating (kPa) Body/Disc Material Dimension	1000 M.S. SABS 1431/300WA (0200-1200) 0200-0250-0300-0350-0400-450-0500-600-800-0900-1000- 1050(NS)-1200- 1350(NS)-1400-1500(NS)-1800
07	Pressure Rating (kPa) Body/Disc Material Dimension	1000 ASTM A516 (Gr.70) 0200-0250-0300-0350-0400-0500-800-0900-1000-1050(NS)- 1200-1350(NS)-1500(NS)
08	Pressure Rating (kPa) Body/Disc Material Dimension	1600 M.S. SABS 1431/300WA 0200-0250-0300-0350-0400-0500-0600-0800
09	Pressure Rating (kPa) Body/Disc Material Dimension	2500 M.S. SABS 1431/300WA 0300-0400-0500-0600-0800-0900-1000
10	Pressure Rating (kPa) Body/Disc Material Dimension	4000 M.S. SABS 1431/300WA 0400-0450-0600-0800
11	Pressure Rating (kPa) Body/Disc Material Dimension	800 (CL125) S.G.IRON – SANS 936 Gr 420/12 (BS 2789 Gr420/12) 52",60",72",84"
12	Pressure Rating (kPa) Body/Disc Material Dimension	800 (CL125) SS 316L 52",60"
13	Pressure Rating (kPa) Body/Disc Material Dimension	2000 (CL150) M.S. SABS 1431/300WA 18",20",24",28",36",40",42",48",52",54"
14	Pressure Rating (kPa) Body/Disc Material Dimension	2000 (CL150) SS904L 40"
15	Pressure Rating (kPa) Body/Disc Material Dimension	5000 (CL300) M.S. SABS 1431/300WA 8"



METAL SEATED TILTING DISC CHECK VALVE SERIES 61/46

CC	Flanges Drilling
00	SANS 1123 – PN6
01	SANS 1123 – PN10
02	SANS 1123 – PN16
03	SANS 1123 – PN25
04	SANS 1123 – PN40
05	EN 1092-2 – PN6
06	EN 1092-2 – PN10
07	EN 1092-2 – PN16
08	EN 1092-2 – PN25
09	EN 1092-2 – PN40
10	Rand Water TP 1500 kPa
11	Rand Water TP 3500 kPa
12	Rand Water TP 5000 kPa
13	Rand Water TP 7000/8500 kPa

CC	Flanges Drilling
18	ANSI – CLASS 150
19	ANSI – CLASS 300
20	ANSI – CLASS 600
21	ANSI – CLASS 900
22	ANSI – CLASS 1500
23	SANS 1123 – PN2.5
24	BS4504 – PN2.5
25	BS4504 – PN6
26	BS4504 – PN10
27	BS4504 – PN16
28	BS4504 – PN25
29	BS4504 – PN40
30	AWWA C207 ‘CLASS D’
31	ANSI – CLASS 125

DD - Trim: Body Seat Ring / Valve Seal / Shaft / Shaft Bush

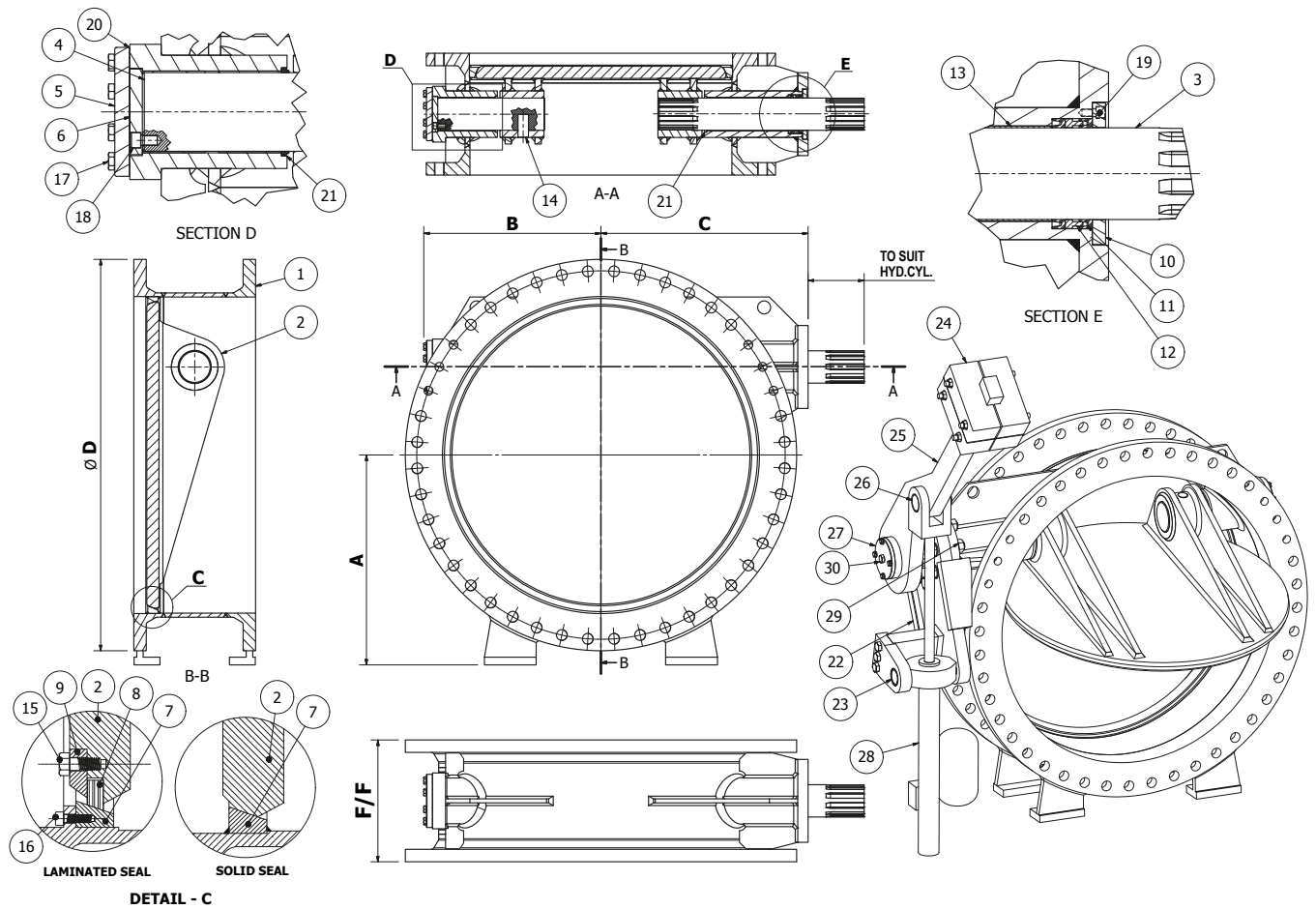
	Body Seat Ring	Valve Seal	Shaft	Shaft Bush
35	ST/STEEL - 304	ST/STAINLESS – 316 (Laminated)	ST/STEEL - 431	Glacier – Steel & P.T.F.E.
36	ST/STEEL - 304	ST/STAINLESS – 316 (Laminated)	ST/STEEL - 431	Glacier – Bronze & P.T.F.E.
37	ST/STEEL - 304	ST/STAINLESS – 316 (Laminated)	ST/STEEL - 431	Phosphor Bronze
38	ST/STEEL - 304	ST/STAINLESS – DUPLEX (Laminated)	ST/STEEL - 431	Glacier – Steel & P.T.F.E.
39	ST/STEEL - 304	ST/STAINLESS – DUPLEX (Laminated)	ST/STEEL - 431	Glacier – Bronze & P.T.F.E.
40	ST/STEEL - 304	ST/STAINLESS – DUPLEX (Laminated)	ST/STEEL - 431	Phosphor Bronze



METAL SEATED TILTING DISC CHECK VALVE SERIES 61/46

E - Coating

1	Carboline – Carboguard 891 – 2 Pack Epoxy - 300 Mic. Internal, 250 Mic. External
2	Carboline – Carboguard 891 – 2 Pack Epoxy - 400 Mic. Internal, 300 Mic. External
6	Pickle & Passivate (Stainless steel valve only)
7	Carboline – Carboguard 891 – 2 Pack Epoxy - 250 Mic External
8	Carboline – Carboguard 891 – 2 Pack Epoxy - 300 Mic External
9	Carboline – Carboguard 891 – 2 Pack Epoxy - 400 Mic External
P	Carboline – Carboguard 550 – 2 Pack Epoxy - 400-500 Mic Internal & External
Q	Carboline – Carboguard 891 – 2 Pack Epoxy - 250 Mic. Internal, 200 Mic. External
R	Sigmaguard CSF 575 – 2 Pack Epoxy – 500 Mic – Internal & External
S	Silicone Aluminium 580 - 2 Pack Epoxy – 50-80 Mic. Internal & External



LEGEND

- | | | | |
|-------------------|-------------------------|-------------------|-----------------------|
| 1. Body | 9. Retaining Ring | 17. Cover Screw | 25. Counterweight arm |
| 2. Disc | 10. Gland Ring | 18. Pad Screw | 26. Clevis Pin |
| 3. Drive Shaft | 11. Gland Seal | 19. Gland Screw | 27. End Plate |
| 4. Free End Shaft | 12. Seal Expanding Ring | 20. Gasket | 28. Hyd. Cylinder |
| 5. End Cover | 13. Bearing Brush | 21. Wiper Seal | 29. Bracket Bolt |
| 6. Thrust Pad | 14. Pin | 22. Bracket | 30. End Plate Screw |
| 7. Seat Ring | 15. Retaining Screw | 23. Trunnion Bush | |
| 8. Valve Seal | 16. Seat Screw | 24. Counterweight | |



RANGE EVS
Flangeless wafer type

In line installation
Design pressure max. 16 bar.

RANGE EVCS
Alignment lug wafer type

In line installation
Design pressure max. 16 bar.

RANGE EVBS
Semi-lug wafer type

In line and dead end installation
Design pressure max. 16 bar.

RANGE EVBLS
Semi-lug wafer type with long neck

In line and dead end installation
Design pressure max 16 bar.
Long neck for insulation

RANGE EVTLS
Tapped lug wafer type

In line and dead end installation
Design pressure max. 16 bar.
(25 bar on request)

Specifics:

DN 50 – 1400 (2" – 56").

Specifics:

DN 50 – 300 (2" – 12").

Specifics:

DN 50 – 1200 (2" – 12").

Specifics:

DN 50 – 800 (2" – 8").

Specifics:

DN 50 – 1200 (2" – 48").



RANGE EVUS
U-section wafer type (with full strength)

In line and dead end installation
Design pressure max. 10 bar.

RANGE EVML
Single flanged wafer type (long)

In line and dead end installation
Design pressure max. 16 bar.

RANGE EVMS
Single flanged wafer

In line and dead end installation
Design pressure max. 16 bar.
Bi-directional tight shut-off

RANGE EVFS
Double flanged type

In line and dead end installation
Design pressure max. 16 bar.
Design pressure max. 25 bar.

RANGE EVFL
Double flanged type (long)

In line and dead end installation
Design pressure max. 16 bar.

Specifics:

DN 600 – 2200 (24" – 88").

Specifics:

DN 50 – 800 (3" – 32").

Specifics:

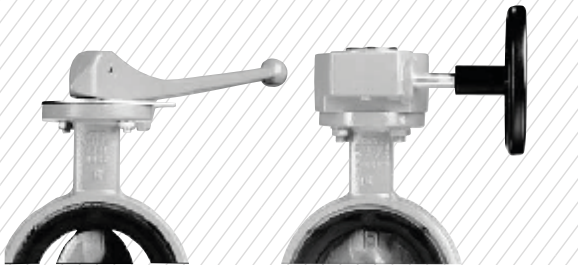
DN 350 – 1000 (14" – 40").

Specifics:

DN 50 – 2000 (2" – 80").
DN 50 – 1000 (2" – 40").

Specifics:

DN 50 – 1500 (2" – 60").

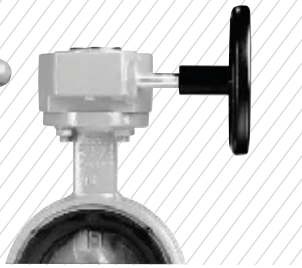


LEVER
Quick manual valve operation

Design:
Lift and turn operation.
Spring activated locking.
Lever parallel to disc.
Notch plate for 10 positions.

Specifics:

Valve sizes up to DN 300 (12").



WORMGEAR
Easy manual valve operation

Easy manual valve operation
Design:
Self locking wormgearing.
Handwheel of T-Key operation.
Adjustable end stops.
Position indicator.
Different options available.
Note for sizes <DN 400:
When wormgears are mounted by third parties, an intermediate flange plate should be used between mounting flange and wormgear.
These plates can be supplied by Wouter Witzel EuroValue®

Specifics:

Valve sizes up to DN 2200 (88").



Heading 9pt bold

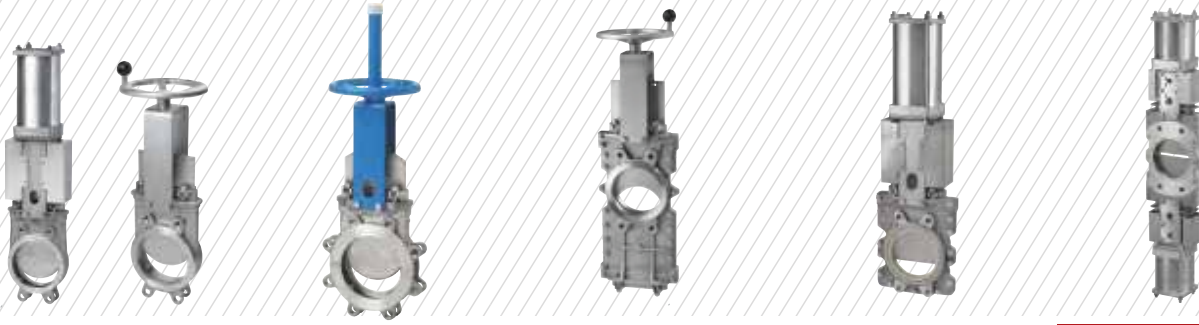
Flangeless wafer type
Design:
Bonded rubberseat in body.
Self acting rotating double disc.
Design pressure 16 bar.
Uni-directional tight shut-off

Specifics:

DN 50 – 500 (2" – 24")



ZENZELE VALVES | ORBINOX



EX/EK Wafer knife gate valve	ET Knife gate valve acc. To MSS SP 82	TL/TK Through conduit knife gate valve	CR Round & Square port knife gate valve	DT Double gate knife gate valve
General service (solid loaded fluids): pulp & paper, waste water, solids... WORKING PRESSURE DN 50-250 (2"-10") 6 bar DN 300-400 (12"-16") 5 bar DN 450 (18") 4 bar DN 500-600 (20"-24") 2 bar DN 700-1200 (28"-48") 10 bar	General service (solid loaded fluids): pulp & paper, waste water, solids... WORKING PRESSURE DN 50-600 (2"-24") 10 bar (150psi) DN 750 (30") 7 bar (100psi) DN 900 (36") 7 bar (100psi)	Solid fluids (concentration >5%): pulp, rejects, solids... WORKING PRESSURE DN 50-125 (2"-5") 8 bar DN 150-250 (6"-10") 6 bar DN 300-400 (12"-16") 5 bar DN 450 (18") 4 bar DN 500-600 (20"-24") 2 bar DN 700-1000 (28"-40") 10 bar	Contaminated pulp and difficult conditions (junk traps, cleaners...) WORKING PRESSURE DN 100-400 (4"-16") 4 bar DN 500-600 (20"-24") 7 bar	Contaminated pulp of very high concentration (pulp, rejects...) WORKING PRESSURE DN 100-250 (4"-10") 6 bar DN 300-400 (12"-16") 5 bar DN 450 (18") 4 bar DN 500-600 (20"-24") 10 bar
Specifics: SIZES DN 50 to DN 1200 (2" to 48") FLANGE DRILLING PN10 ANSI 150; BST "D" Other on request	Specifics: SIZES DN 50 to DN 900 (2" to 36") FLANGE DRILLING PN10 ANSI 150 Other on request	Specifics: SIZES DN 50 to DN 1000 (2" to 40") FLANGE DRILLING PN10 ANSI 150 Other on request	Specifics: SIZES DN 100 to DN 600 (4" to 24") FLANGE DRILLING PN10 ANSI 150 Other on request	Specifics: SIZES DN 100 to DN 600 (4" to 24") FLANGE DRILLING PN10 ANSI 150 Other on request





EB
Bi-directional knife gate valve

General service (solid loaded fluids) waste water, sludges...

WORKING PRESSURE
Monoblock
DN 50-250 (2"-10") 10 bar
DN 300-400 (12"-16") 6 bar
DN 450 (18") 5 bar
DN 500 (20") 4 bar
Split body
DN 600 (24") 4 bar
DN 700-1200 (28"-38") 2 bar

HB
Bi-directional high pressure knife gate valve

General service (solid loaded fluids) waste water, sludges...

WORKING PRESSURE
DN 50-300 (2"-12") 16 bar

VG
Rubber sleeve knife gate valve

Abrasive slurries (mining, petrochemical...)

WORKING PRESSURE
DN 50-400 10 bar
2" - 16" 150psi
DN 450-600 6 bar or 10 bar
150psi
18" - 24" 5 bar
DN 700-900 75 psi
28" - 36"
Other on request

XC
Hopper shape knife gate valve

Bulk handling (powder, pellets...) silo outlet applications

WORKING PRESSURE
Seat opposite pressure
DN 50-250 (2"-10") 3 bar
DN 300-400 (12"-16") 2 bar
DN 450 (18") 1.5 bar
DN 500-600 (20"-24") 1 bar

BC
Square port knife gate valve

General service (solid loaded fluids) bulk handling

WORKING PRESSURE
150x150 (6"x6"-600x600 (24"x24")) 1 bar

Specifics:

SIZES
DN 50 to DN 1200 (2" to 48")

FLANGE DRILLING
PN10; ANSI 150
Other on request

Specifics:

SIZES
DN 50 to DN 300 (2" to 12")

FLANGE DRILLING
PN16
Other on request

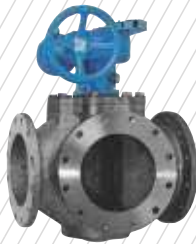
Specifics:

SIZES
DN 50 to DN 900 (2" to 24")

FLANGE DRILLING
PN10; ANSI 150
Other on request

Specifics:

Specifics:



RM
Tilting disc check valve

Solid loaded fluids pulp & paper, waste water

3/4V
3 / 4 way valve

Pulp & paper

AT
Split body knife gate valve

Demanding applications pulp & paper, food industry...

VP
Split body bi-directional knife gate

Demanding applications bi-directional

TP
Sampling valve

Pulp & paper

Specifics:

SIZES
DN 40 to DN 900 (1 1/2" to 36")

WORKING PRESSURE
Up to 40 bar
Depending on size

Specifics:

SIZES
DN 80 to DN 300(3" to 12")

WORKING PRESSURE
10 bar

Specifics:

SIZES
DN 50 to DN 1000(2" to 40")

WORKING PRESSURE
Up to 10 bar
Depending on size

Specifics:

SIZES
DN 50 to DN 600(2" to 24")

WORKING PRESSURE
Up to 10 bar
Depending on size

Specifics:

SIZES
DN 20/40(17/1" 1/2")

WORKING PRESSURE
10 bar



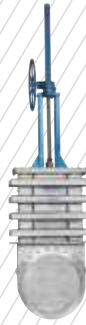
CW
Single wedge knife gate valve

Solid loaded / hazardous fluids
high pressure

Specifics:

SIZES
DN 80 to DN 900 (3" to 36")

WORKING PRESSURE
Up to 64 bar
Depending on size



WS
Fabricated single wedge knife gate valve

Solid loaded / hazardous fluids
high pressure

Specifics:

SIZES
Up to DN 2400 (96")

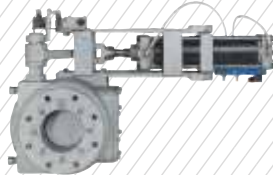
WORKING PRESSURE
Up to 25 bar
Depending on size



KP
Transmitter isolation valve

SIZES
DN 80(3")

WORKING PRESSURE
1 bar



SD
Swing disc valve

Bulk handling abrasive services (fly ash, etc.)

SIZES
DN 100 to DN 300 (4" to 12")

WORKING PRESSURE
Up to 3 bar



SG
Swing knife gate valve

Bulk handling demanding applications

SIZES
DN 100 to DN 300 (4" to 12")

WORKING PRESSURE
Up to 3 bar



3VY
3-way diverter valve

Bulk handling

SIZES
DN 50 to DN 250 (2" to 10")

WORKING PRESSURE
Up to 3 bar



BONNETED VALVES

Solid loaded / hazardous fluids
available for EX, ET, TL, XC

Specifics:

SIZES
Up to DN 600 (24")

WORKING PRESSURE
Up to 10 bar
Depending on size

SIZES AVAILABLE ON REQUEST



CH
Fixed cone valve



MB
Double eccentric butterfly valve



MU
Wall penstock



CC
Channel penstock



RR
Round swing check gate



RC
Rectangular swing check gate



DI
Multiple diverter damper



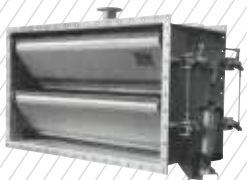
GF
Goggle valve damper



ML
Butterfly damper



DV
Diverter damper



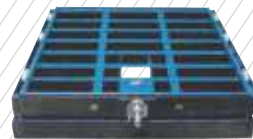
PE
Louver damper



MP
Three lever valve



CT
Radial gates



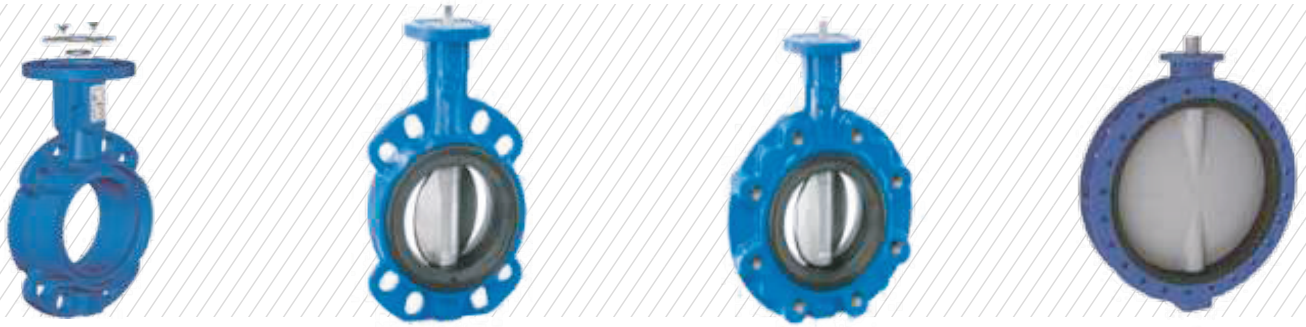
CV
Roller gates



BU
Bonneted gates



Centric butterfly valves with loose liner



Centric butterfly valves with loose liner

Cast Iron EN-GJS-400-15 (DIN EN 1563) equivalent to GGG40 (DIN1693)

Elongation is minimum 15%.

Process: DN450-1600, liquid coated process
 Process: DN25-400, powder coated process using Resicoat
 Process: DN450-1600, liquid coated process

Specifics:

Tensile strength is minimum 400Mpa.

Yield strength is minimum 250Mpa.

820/00 Wafer DN 25-1000

Weight: LOW

Applications: Standard applications

Specifics:

820/10 Lug DN 25-600

Weight: MEDIUM

Applications: Threaded holes

Specifics:

820/20 U-section or Flange DN 150/1600

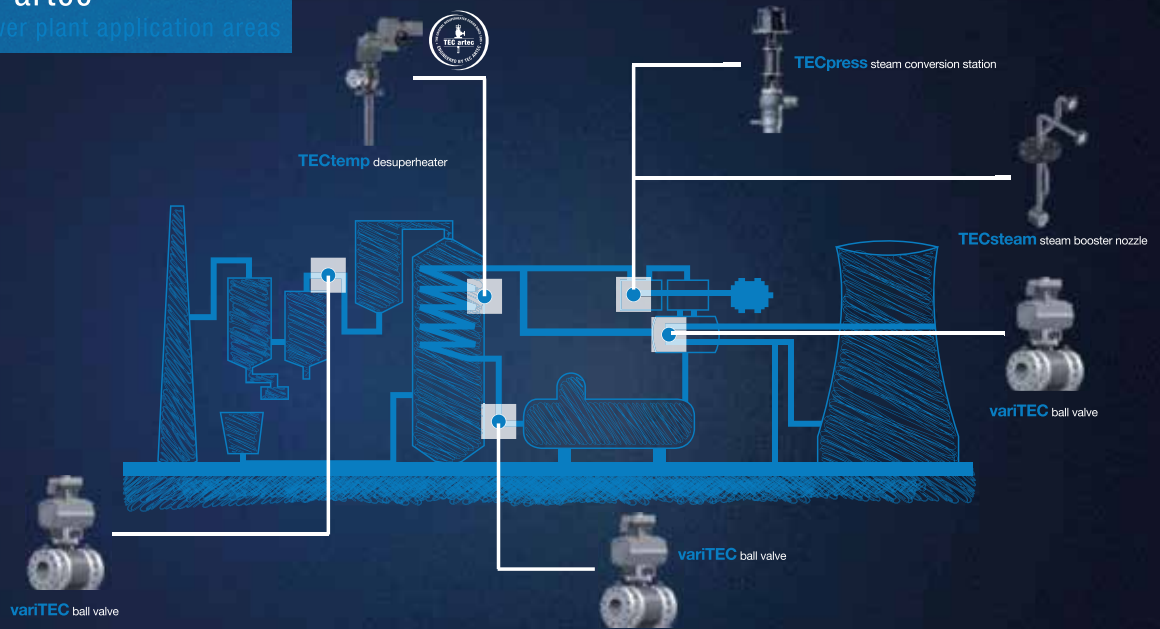
Weight: MEDIUM – HIGH

Applications: Big sizes

Specifics:



_TEC artec Power plant application areas



Application areas

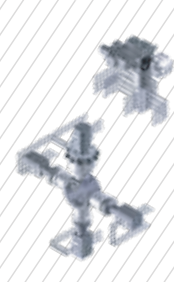
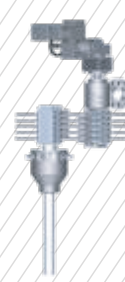
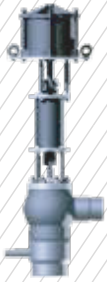
Conventional power plants are used for electricity generation. For example, these include lignite, hard coal or gas power plants. Very different types of primary energy are converted to electric current in a power plant.

Basic functionality: Water is heated by combustion in the steam generator in the core of the power plant. Turbines are driven at very high pressure and temperature with the steam produced from this.

These are coupled to electricity generators. Afterwards, the steam is condensed to water and returns to the steam generator.

Valves from TEC artec have been used successfully for many years in many national and also international industrial and large power plants.





**_TECpress
Steam conversion
station**

The TEC artec TECpress steam conversion station is a combination of pressure, quantity and temperature control. The subcritical controlled pressure release is integrated with the proven downstream temperature control systems into a complete solution.

**_TECsteam
Steam booster nozzle**

The patented TECsteam steam booster nozzle is used for cooling steam close to the saturated steam temperature or hot gases.

**_TECtemp
Desuperheater**

Our desuperheater enables very precise regulation of injection water amounts for the hot steam cooling. The special nozzle design and individual actuation use a 90° rotary movement and ensure constant micro fine atomisation of the injection water. The shut-off is performed using an integrated ball/seat ring system outside the high thermally loaded zone.

**_TECtemp HT L
Lance cooler**

The three-part design makes it possible to bring the control unit with drive out of the high temperature range. The reduced weight of the steam lance has a positive effect on the support load of the steam line. The functional principle is based on the design of the proven TECtemp desuperheater.

**_TECtemp HT R
Ring cooler**

Our patented desuperheater TECtemp HT R ring cooler is designed with a three-part structure without moving parts and without weld seams in the steam lances. These are arranged in a ring shape depending on the steam pipe nominal diameter.

Specifics:

Nominal diameter
Inlet (DN) 25-5000
Outlet (DN) 050-2000

Pressure level
Inlet (DN) 25-630
Outlet (DN) 25-250

Temperature: max. 620°C

Specifics:

Nominal diameter(DN)
High pressure steam From 25
Cooling water from 25
Temperature: up to 750°C
Use from: DN150 steam line

Pressure level(PN) 25-400

Specifics:

Nominal diameter(DN)
Cooling water from 25
Temperature: up to 580 °C
Use from: DN150 steam line

Pressure level(PN) 25-400
Control ratio: up to 50:1

Specifics:

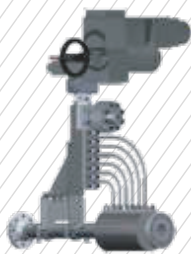
Nominal diameter(DN)
Cooling water from 25
Temperature: up to 750 °C
Use from: DN150 steam line

Pressure level(PN) 25-400
Control ratio: up to 50:1

Specifics:

Nominal diameter(DN)
Cooling water from 25
Temperature: up to 750°C
Use from: DN150 steam line

Pressure level(PN) 25-400
Control ratio: up to 2500:1



**TECtemp HT V
Venturi cooler**

The three-part design makes it possible to bring the control unit with drive out of the high temperature range. The functional principle is based on the design of the proven TECtemp desuperheater. The compact control unit is easy to remove for servicing work and can be serviced individually. This desuperheater is used as a compact solution for small pipelines with a high number of nozzles and small pressure loss requirements.

**_variTEC
Ball valve**

Our variTEC ball valve is used for shut-off, control and safety functions (HIPPS). The ball valve provides universal possible applications for shut-off and/or regulation of the medium. This valve is suitable for almost every application due to the wide temperature range and the design with trunnion mounted ball, Double Piston Effect and Double-Block-and-Bleed function.

**_TECgate
Gas shut-off valve**

Our TECgate has shut-off valve does not need any oil filling for a continuously reliable shut-off function using a purely metallic sealing system.

**_TECslide
Flat plate valve**

The TECslide shut-off is performed via a patented sealing system with auxiliary medium. The primary seal is a purely metallic seal. Depending on the application case, the secondary seal is soft or metallic.

Specifics:

Nominal diameter
Cooling water from 25
Temperature: up to 750°C
Use up to: DN150 steam line

Pressure level(DN)(PN)
25-400
Control ratio: up to 50:1

Specifics:

Nominal diameter(DN)
25-1400

Pressure level(PN)
Up to 420

Permissible operating
temperature: 196°C to +550°C

Specifics:

Nominal diameter(DN)
80-400

Pressure level(PN)
16-100

Temperature: max. 10 to
+70°C

Specifics:

Nominal diameter(DN)
50-1200

Pressure level(PN)
10-40

Temperature: max. 550°C

Accessories | Couplings & Flange Adaptors

Unifit Couplings

Wide Range Couplings for plain ended pipe



Long Barrel Unifit Couplings

For connection of GRP & HDPE pipe or for large setting gaps



Unifit Premier Couplings

For connection of GRP & HDPE pipe or for large setting gaps



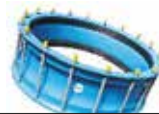
Dedicated Couplings for PVC

DediFit Couplings for quick connections of PVC pipe



Dedicated Large Dia. Couplings

For connection of plain ended pipe up to DN3000mm



High Pressure Couplings

Couplings for PN25 & PN40 applications.



Unifit Step Couplings

For connecting pipes of different material & nominal bore



Universal Flange Adaptors

With wide sealing tolerance and universal flange drilling



Flange Adaptors

For any flange drilling up to PN64 and any sizes up to DN3000mm



Restrained Flange Adaptors

For any flange drilling up to PN64 and sizes up to DN3000mm



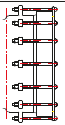
Dismantling Joints

Double flanged fittings allowing 50mm of setting adjustment



Half Couplings

Socketed end for welding onto plain ended steel fittings



End Caps

Supplied with sockets for pipeline pressure testing



Junior Couplings

To join plain ended galvanized mild steel pipe



EvoGrip Couplings

Fully restrained couplings for plain ended HDPE pipe



PolyGrip Couplings

Fully restrained couplings for plain ended HDPE & PVC pipe



PolyGrip Adaptors

Fully restrained flange adaptors for HDPE & PVC pipe



G-Flex Gripper Coupling

Fully restrained joints for metallic pipework



G-Flex Install Coupling

High performance SS couplings for plain ended pipe



Low Pressure Coupling

Dedicated SS couplings for large diameter low pressure applications



Zenzele Valves | Pipes and Pipe Fittings



Steel Pipe & Tubing



Steel Pipe Fittings



Steam Pipe Fittings



PVC PIPE & Fittings



PVC Pressure Fittings



HDPE Polyethylene Piping



Mild Steel Flanges



Water meters



Valves Industrial



Buttweld Fittings



Pipe Flanges



HDPE Pipe Fittings



Civils Products



Uncoated / Galvanized Pipes



Pumps

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