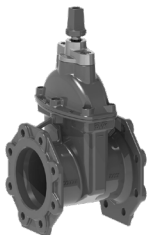
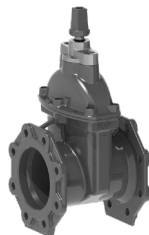


METAL VALVES

AVK RESILIENT SEAT GATE VALVES AND HAND WHEELS

	Code	Size OD (mm)			Code	Size OD (mm)
Anti-Clockwise Closing, Double Flanged 	VRACC050	50	Clockwise Closing, Double Flanged 	Handwheel (only) Anti-Clockwise Closing	VRACC08500C	80
	VRACC08500AK	80			VRACC10500CK	100
	VRACC10500AK	100			VRACC15500CK	150
	VRACC15500AK	150			VRACC20500CK	200
	VRACC20500AK	200			VRACC25500CK	250
	VRACC25500AK	250				
	VRACC30500AK	300				
	VRACC37500AK	375				
	VRDCC45500A	450				
	VRDCC50500A	500				
*Larger sizes available on request		*Larger sizes available on request				
Handwheel (only) Anti-Clockwise Closing	VZDHW08500A7K	80-150	Handwheel (only) Clockwise Closing		VZDHW08500C7K	80-150
	VZDHW20500A7K	200			VZDHW20500C7K	200
	VZDHW22500A7K	225-300			VZDHW22500C7K	225-300
	VZDHW37500A7K	375-400				

Certified Product



Manufactured and Independently certified by SAI Global to AS/NZS 2638.2.2002.

Ductile Iron body, with a Rilsan Nylon 11 coating to AS4158. Fully EPDM Encapsulated Resilient Seated Wedge, with Stainless Steel and Gunmetal internals. Available as Anti-clockwise Closing for Underground use, flanged to AS4087 Fig B5 (Table D). Clockwise closing available for above ground use, supplied with handwheel, and flanged ends.

Maximum working Pressure 16 Bar, Body Tested to 24 Bar.

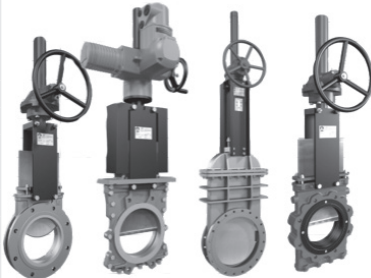
BELGICAST RESILIENT SEATED GATE VALVE

	Code	Size OD (mm)
Belgicast Resilient Seated Gate Valve BSP Thread 	ZZ6NZ0270	50

HYDRANT VALVES

	Code	Size			Code	Size
AVK Squat Hydrant 	ZZ6NZ6138	Squat	AVK Tall Hydrant 	AVK Tall Hydrant	ZZ6N6135	Tall

METAL VALVES

GATE VALVES							
	Code	Size NB (mm)	MATERIALS		SPECIFICATIONS		
			Part	Material			
Kitz DZR Gate Valve 	VGASFH015	15	Body	DR Brass	Thread	BSP	
	VGASFH020	20	Bonnet	DR Brass	MAX Working Temperature	180°C	
	VGASFH025	25	Wedge	DR Brass	Cold Working Pressure	16 bar	
	VGASFH032	32	Stem	DR Brass	Size	15-50 NB	
	VGASFH040	40	Hand Wheel	Ductile Iron			
	VGASFH050	50	Packing	PTFE			
			Threading	BS21 Rp			
A-Gate Brass Gate Valve 	AGVFF/015	15	Body	Brass	Thread	BSP	
	AGVFF/020	20	Bonnet	Brass	MAX Working Temperature	180°C	
	AGVFF/025	25	Wedge	Brass	Cold Working Pressure	16 bar	
	AGVFF/032	32	Stem	Brass	Size	15-100 NB	
	AGVFF/040	40	Hand Wheel	Ductile Iron	Tee handle available on request.		
	AGVFF/050	50	Packing	PTFE			
	AGVFF/065	65	Threading	BS21 Rp			
	AGVFF/080	80					
	AGVFF/100	100					
Stainless Steel Gate Valve 	HSGAVSS/015	15	Stem	316 Stainless Steel	Thread	BSP	
	HSGAVSS/020	20			MAX Working Temperature	180°C	
	HSGAVSS/025	25	Body	CF8M	Cold Working Pressure	14 bar	
	HSGAVSS/032	32	Bonnet	CF8M	Size	15-50 NB	
	HSGAVSS/040	40	Wedge	CF8M			
	HSGAVSS/050	50	Wedge	CF8M			
			Gasket	PTFE			
			Hand wheel	Ductile Iron			
			Name Plate	Aluminium Alloy			
			Nut	304 Stainless Steel			
CMO Stainless Steel Knife Gate Valve ANSI 150 Drilling 	CMVA5V211/080	80	Body	CF8M	Flange	ANSI 150 & AS2129 T/E	
	CMVA5V211/100	100	Gland Packing	Synthetic + PTFE	MAX Working Temperature	90°C	
	CMVA5V211/150	150	Gland	CF8M	Cold Working Pressure	5 to 10 Bar depending on size	
	CMVA5V211/200	200	Gate	316 Stainless Steel	Size	80-300 NB	
	CMVA5V211/250	250	Yoke	Steel	Bi Directional, Bonneted, other Knife Gate Valve Types, and Body Materials available on request.		
	CMVA5V211/300	300	Hand Wheel	Ductile Iron			
			Stem	304 Stainless Steel			
			Clevis	CF8			
CMO Stainless Steel Knife Gate Valve Table E Drilling 	CMVA7V211/080	80	Seat	EPDM			
	CMVA7V211/100	100					
	CMVA7V211/125	125					
	CMVA7V211/150	150					
	CMVA7V211/200	200					
	CMVA7V211/250	250					
	CMVA7V211/300	300					
							

METAL VALVES

GLOBE VALVES							
	Code	Size NB (mm)	MATERIALS		SPECIFICATIONS		
			Part	Material			
Kitz Bronze Globe Valve Screwed Bonnet 	VGLBC/015	15	Body	LG2 Gunmetal Bronze	Thread	BSP	
	VGLBC/020	20	Bonnet	LG2 Gunmetal Bronze	MAX Working Temperature	220°C	
	VGLBC/025	25			Cold Working Pressure	20 Bar	
	VGLBC/032	32	Bonnet Nut	LG2 Gunmetal Bronze	Size	15-50 NB	
	VGLBC/040	40			Applications – For use on Water Oil & Gas, and 125 PSI Saturated Steam		
	VGLBC/050	50					
			Plug Disc	LG2 Gunmetal Bronze			
			Stem	CZ121 Brass			
			Gland	CZ121 Brass			
			Hand Wheel	Ductile Iron			
		Packing	PTFE				
Kitz Bronze Globe Valve Union Bonnet 	VGLBD/015	15	Body	LG2 Gunmetal Bronze	Thread	BSP	
	VGLBD/020	20	Bonnet	LG2 Gunmetal Bronze	MAX Working Temperature	220°C	
	VGLBD/025	25			Cold Working Pressure	30 Bar	
	VGLBD/032	32	Bonnet Nut	LG2 Gunmetal Bronze	Size	15-50 NB	
	VGLBD/040	40			Applications – For use on Water Oil & Gas, and 150 PSI Saturated Steam		
	VGLBD/050	50					
			Plug Disc	GF PTFE			
			Stem	CZ121 Brass			
			Gland	CZ121 Brass			
			Hand Wheel	Ductile Iron			
		Packing	PTFE				
Stainless Steel Globe Valve 	HSGL/015	15	Body	316 Stainless Steel	Thread	BSP	
	HSGL/020	20	Disc	316 Stainless Steel	MAX Working Temperature	180°C	
	HSGL/025	25			Cold Working Pressure	14 Bar	
	HSGL/032	32	Stem	316 Stainless Steel	Size	15-50 NB	
	HSGL/040	40					
	HSGL/050	50					
			Cap	316 Stainless Steel			
			Gasket	PTFE			
			Washer	316 Stainless Steel			
			Stem Packing	PTFE			
			Ring	316 Stainless Steel			
			Gland Ring	316 Stainless Steel			
			Hand wheel	Ductile Iron			
			Name Plate	Aluminium Alloy			
		Nut	304 Stainless Steel				
Stainless Steel Needle Valve 	VMNV/006	6	Body	316 Stainless Steel	Thread	BSP	
	VMNV/008	8	Bonnet & Stem	304 Stainless Steel	MAX Working Temperature	230°C	
	VMNV/010	10			Cold Working Pressure	408 Bar	
	VMNV/015	15	Stem Packing	PTFE	Size	6-25 NB	
	VMNV/020	20	Gland & Nut	316 Stainless Steel			
	VMNV/025	25	Handle	304 Stainless Steel			

METAL VALVES

CHECK VALVES							
	Code	Size NB (mm)	MATERIALS			SPECIFICATIONS	
			Part	Material			
RUB Brass Swing Check Valve (Metal Seated) 	BVCM/015	15	Body	Brass		Thread	BSP
	BVCM/020	20	Bonnet	Brass		MAX Working Temperature	200°C
	BVCM/025	25	Hinge Pin Nut	Brass		Cold Working Pressure	12 bar
	BVCM/032	32	Clapper	Brass		Size	15-80 NB
	BVCM/040	40	Seat	Brass or NBR		For horizontal installation. Applications - oil, water.	
	BVCM/050	50					
	BVCM/065	65					
	BVCM/080	80					
RUB Brass Swing Check Valve (NBR Soft Seated) 	BVCS/015	15					
	BVCS/020	20					
	BVCS/025	25					
	BVCS/032	32					
	BVCS/040	40					
	BVCS/050	50					
	BVCS/065	65					
	BVCS/080	80					
Europa Brass Spring Check Valve 	BVEC/010	10	Body	Brass CW 617N		Thread	BSP
	BVEC/015	15	Pin	Brass CW614N		MAX Working Temperature	80°C
	BVEC/020	20	Plate	304 Stainless Steel		Cold Working Pressure	Up to 25 Bar
	BVEC/025	25	Seat	NBR		Size	10-100 NB
	BVEC/032	32	Spring	302 Stainless Steel		Suitable for hot/cold water, oils. Applications – Can be fitted in horizontal, vertical or oblique position.	
	BVEC/040	40					
	BVEC/050	50					
	BVEC/065	65					
	BVEC/080	80					
	BVEC/100	100					
RUB Brass Spring Check Valve 	BVVC/008	8	Body	Brass CW 617N		Thread	BSP
	BVVC/010	10	Plate	Polymeric resin		MAX Working Temperature	80°C
	BVVC/015	15	Seat	NBR		Cold Working Pressure	up to 40 Bar
	BVVC/020	20	Spring	Stainless Steel AISI 302		Size	8-100 NB
	BVVC/025	25				With polymeric resin jumper/plate. Minimum working pressure 0.05 Bar (5 kPa) Suitable for hot/cold water, oils. Applications – Can be fitted in horizontal, vertical or oblique position.	
	BVVC/032	32					
	BVVC/040	40					
	BVVC/050	50					
	BVVC/065	65					
	BVVC/080	80					
Stainless Steel Swing Check Valve 	HSCV/015	15	Body	SS CF8M		Thread	BSP
	HSCV/020	20	Bonnet	SS CF8M		MAX Working Temperature	230°C
	HSCV/025	25	Hanger Pin	316 Stainless Steel		Cold Working Pressure	63 bar
	HSCV/032	32	Disc	CF8M		Size	15-50 NB
	HSCV/040	40	Plug	316 Stainless Steel		Applications – water, oil, chemicals, corrosive environment and liquids.	
	HSCV/050	50	Plug Gasket	PTFE			
Stainless Steel In-line Spring Check Valve 	VMCV/015	15	Body	316 Stainless Steel		Thread	BSP
	VMCV/020	20	Disc	316 Stainless Steel		MAX Working Temperature	180°C
	VMCV/025	25	Spring	316 Stainless Steel		Cold Working Pressure	63 bar
	VMCV/032	32	Spring Cap	316 Stainless Steel		Size	15-50 NB
	VMCV/040	40	Cap	316 Stainless Steel		Socket weld available on request. Applications – water, oil, air, gases, chemicals, corrosive environment and liquids.	
	VMCV/050	50	Joint Gasket	PTFE			

METAL VALVES

CHECK VALVES						
	Code	Size NB (mm)	MATERIALS		SPECIFICATIONS	
			Part	Material		
A-Check Wafer Dual Plate Check Valve 	ACVCI316/050	50	Body	Cast Iron	Fits Flanges	T/E, ANSI 125, PN16
	ACVCI316/065	65	Spring	316 Stainless Steel	MAX Working Temperature	80°C
	ACVCI316/080	80	Disc	Ductile Iron/ 316 Stainless Steel	Cold Working Pressure	16 Bar
	ACVCI316/100	100			Size	50-300 NB
	ACVCI316/125	125	Seat	EPDM		
	ACVCI316/150	150				
	ACVCI316/200	200	Flange Gasket	EPDM		
	ACVCI316/250	250				
	ACVCI316/300	300				
	ACVCI316/350	350				
	ACVCI316/400	400				
Ball Check Valve 	ACVBC/050	50	Body	Ductile Iron	MAX Working Temperature	80°C
	ACVBC/065	65	Cover	Ductile Iron	Cold Working Pressure	16 Bar
	ACVBC/080	80	Ball	Metal + NBR	Ends	BSP / AS2129 T/E & D
	ACVBCF/080	80	Gasket	EPDM	Size	50-300 NB
	ACVBCF/100	100			Application – Irrigation Service.	
	ACVBCF/125	125				
	ACVBCF/150	150				
	ACVBCF/200	200				
	ACVBCF/250	250				
	ACVBCF/300	300				
	*ACVBC = BSP Threaded *ACVBCF = Flanged					

SAFETY RELIEF VALVES						
	Code	Size NB (mm)	MATERIALS		SPECIFICATIONS	
			Part	Material		
VYC Relief Valves Model 095 AP 	VYCO95AP/015	15	Type	AP – Open Cap with Lever	Pressure Range Air & Gases	0.5 to 16 Bar
	VYCO95AP/020	20	Design	ISO 4126- 1:2004	Pressure Range Steam	0.5 to 13 Bar
	VYCO95AP/025	25			MAX Temperature	230°C
	VYCO95AP/032	32	Complies with	Directive 97/23/EC & ATEX 94/9/CE	Size	15-50 NB
	VYCO95AP/040	40				
	VYCO95AP/050	50	Body & Trim Material	Brass EN- CW617N		
			Connections	BSP M/F		
		Seat	PTFE			
					Open Lever not suitable for back pressure applications. Aavailable in Stainless Steel on Request. Under 3.5Bar set Pressure seat needs to be Silicon or Viton	
VYC Relief Valves Model 095 ES 	VYCO95ES/015	15	Type	ES – Closed Cap	Pressure Range Air & Gases	0.5 to 16 Bar
	VYCO95ES/020	20	Design	ISO 4126- 1:2004	Pressure Range Steam	0.5 to 13 Bar
	VYCO95ES/025	25			MAX Temperature	230°C
	VYCO95ES/032	32	Complies with	Directive 97/23/EC & ATEX 94/9/CE	Size	15-50 NB
	VYCO95ES/040	40				
	VYCO95ES/050	50	Body & Trim Material	Brass EN- CW617N		
			Connections	BSP M/F		
			Seat	PTFE		
						Closed Cap suitable for back pressure applications. Aavailable in Stainless Steel on Request. Under 3.5Bar set Pressure seat needs to be Silicon or Viton

METAL VALVES

BALL VALVES							
	Code	Size NB (mm)	MATERIALS		SPECIFICATIONS		
			Part	Material			
Stainless Steel Full Bore Ball Valve 3 Piece 	VMBVSS/008	8	Body	316 Stainless Steel	Thread	BSPT	
	VMBVSS/010	10	Ball	316 Stainless Steel	MAX Working Temperature	180°C	
	VMBVSS/015	15			Cold Working Pressure	69 Bar	
	VMBVSS/020	20	Stem	316 Stainless Steel	Size	8-80 NB	
	VMBVSS/025	25			Also available with socket weld ends. Applications – For air, water, hot/cold corrosive fluids in harsh environments.		
	VMBVSS/032	32					
	VMBVSS/040	40					
	VMBVSS/050	50					
	VMBVSS/080	80					
Stainless Steel Full Bore Ball Valve 2 Piece 	VMBVSS2/008	8	Body	316 Stainless Steel	Thread	BSPT	
	VMBVSS2/010	10	Ball	316 Stainless Steel	MAX Working Temperature	180°C	
	VMBVSS2/015	15			Cold Working Pressure	69 Bar	
	VMBVSS2/020	20	Stem	316 Stainless Steel	Size	8-80 NB	
	VMBVSS2/025	25			Also available with socket weld ends. Applications – For air, water, hot/cold corrosive fluids in harsh environments.		
	VMBVSS2/032	32					
	VMBVSS2/040	40					
	VMBVSS2/050	50					
	VMBVSS2/080	80					
Stainless Steel Full Bore Ball Valve w/ Mounting Pad 	VMBVISO/008	8	Body	316 Stainless Steel	Thread	BSPT	
	VMBVISO/010	10	Ball	316 Stainless Steel	MAX Working Temperature	180°C	
	VMBVISO/015	15			Cold Working Pressure	69 Bar	
	VMBVISO/020	20	Stem	316 Stainless Steel	Size	8-100 NB	
	VMBVISO/025	25			To ISO5211. Also available with socket weld ends. Applications – For air, water, hot/cold corrosive fluids in harsh environments.		
	VMBVISO/032	32					
	VMBVISO/040	40					
	VMBVISO/050	50					
	VMBVISO/080	80					
	VMBVISO/100	100					
A-Ball Stainless Steel 3 Way Ball Valve, L Port, Female/Female 	ABVSSL/010	10	Body	316 Stainless Steel	Thread	BSPP	
	ABVSSL/015	15	Ball	316 Stainless Steel	MAX Working Temperature	180°C	
	ABVSSL/020	20			Cold Working Pressure	55 Bar	
	ABVSSL/025	25	Stem	316 Stainless Steel	Size	10-50 NB	
	ABVSSL/032	32			Steam seats available on request.		
	ABVSSL/040	40					
	ABVSSL/050	50					
	ABVSSL/065	65					
	ABVSSL/080	80					
A-Ball Stainless Steel 3 Way Ball Valve, T Port, Female/Female 	ABVSST/008	8	Body	316 Stainless Steel	Thread	BSPT	
	ABVSST/015	15			MAX Working Temperature	210°C	
	ABVSST/020	20			Cold Working Pressure	69 Bar	
	ABVSST/025	25			Size	8-80 NB	
	ABVSST/032	32			Also available with socket weld ends. Applications - For air, water, hot/cold corrosive fluids in harsh environments.		
	ABVSST/040	40					
	ABVSST/050	50					
	ABVSST/080	80					
A-Ball Stainless Steel 3 Way Ball Valve, Steam Seat T Port, 	ABVSSST/015	15	Body	316 Stainless Steel	Also available with socket weld ends. Applications - For air, water, hot/cold corrosive fluids in harsh environments.		
	ABVSSST/020	20	Ball	316 Stainless Steel			
	ABVSSST/025	25	Stem	316 Stainless Steel			
	ABVSSST/032	32	Seat	CTFE			
	ABVSSST/040	40	Packing	PTFE			
	ABVSSST/050	50	Lever	Stainless Steel with Locking Device			

METAL VALVES

BALL VALVES							
	Code	Size NB (mm)	MATERIALS			SPECIFICATIONS	
			Part	Material			
RUB S.51 Brass Ball Valve Long Pattern Female/Female Lever Handle 	BVT201/008	8	Body	Brass (Nickel Plated)	Thread BSPP MxF & FxF MAX Working Temperature 170°C Cold Working Pressure 30 Bar Size 8-100 NB		
	BVT201/010	10	Seat Retainer	Brass (Nickel Plated)			
	BVT201/015	15					
	BVT201/020	20	Seat	PTFE			
	BVT201/025	25	Ball	Brass (Chromium plated)			
	BVT201/032	32					
	BVT201/040	40	Stem	Brass			
	BVT201/050	50					
	BVT201/065	65	Packing	Viton (Double O Ring)			
	BVT201/080	80					
	BVT201/100	100	Lever	Geomet Coated Steel			
RUB S.51 Brass Ball Valve Long Pattern Male/Female Lever Handle 	BVT202/008	8	Lever Retaining Nut	Geomet Coated Steel			
	BVT202/010	10					
	BVT202/015	15					
	BVT202/020	20					
	BVT202/025	25					
	BVT202/032	32					
	BVT202/040	40					
	BVT202/050	50					
RUB S.51 Brass Ball Valve Long Pattern Female/Female T Handle 	BVT207/008	8					
	BVT207/010	10					
	BVT207/015	15					
	BVT207/020	20					
	BVT207/025	25					
RUB S.51 Brass Ball Valve Long Pattern Male/Female T Handle 	BVT208/008	8					
	BVT208/010	10					
	BVT208/015	15					
	BVT208/020	20					
	BVT208/025	25					
RUB S.51 Brass Ball Valve Long Pattern Female/Female Lockable Handle 	BVTLH/015	15					
	BVTLH/020	20					
	BVTLH/025	25					
	BVTLH/032	32					
	BVTLH/040	40					
	BVTLH/050	50					

METAL VALVES

KITZ BUTTERFLY VALVES

KITZ BUTTERFLY VALVES, CONCENTRIC WITH BONDED SEAT

DN 50-300, EPDM/NBR liner for drinking water, SS316 disc

Kitz Figure DJ range of concentric butterfly valves are available in wafer and lug design with lever and gearbox. The design has bonded seats and spherical design for discs and seats to minimise wear and prolong service life. The valve is available with EPDM and NBR Linings and has a low operating torque.

	Code	Size NB (mm)	MATERIALS		SPECIFICATIONS	
			Part	Material		
Kitz Wafer Butterfly Valve, EPDM 	VBFW050	50	Body	Ductile Iron	Flanges - Wafer	Universal: AS2129 D/E EN 1092 PN 10/16 ANSI 125/150
	VBFW065	65	Handle / Gearbox	Aluminium		
	VBFW080	80	Disc	316 Stainless Steel	Cold Working Pressure	16 Bar
	VBFW100	100	Seat	EPDM or NBR		
	VBFW125	125	Bushing	Epoxy Glass Fibre Composite	MAX Working Temperature EPDM	EPDM 110°C
	VBFW150	150	Notch Plate	316 Stainless Steel	MAX Working Temperature Nitrile	Nitrile 80°C
	VBFW200	200	O-Ring	EPDM or Nitrile	Size	50-300 NB
	VBFW250	250			Lever Operated up to DN200, Gear Operated above.	
	VBFW300	300				
Kitz Wafer Butterfly Valve, NBR 	VBFWN050	50				
	VBFWN065	65				
	VBFWN080	80				
	VBFWN100	100				
	VBFWN125	125				
	VBFWN150	150				
	VBFWN200	200				
	VBFWN250	250				
	VBFWN300	300				

Lever Handle as standard 50-200mm
Gearbox 250-300mm

Kitz Wafer Butterfly Valve, NBR

Lever Handle as standard 50-200mm
Gearbox 250-300mm

84

METAL VALVES

AVK BUTTERFLY VALVES

AVK BUTTERFLY VALVES, CONCENTRIC WITH LOOSE LINER

DN 50-300, EPDM liner for drinking water, SS316 disc, square shaft

AVK's Series 576 range of concentric butterfly valves are available in wafer and lug design with lever and gearbox. The design is with anti-blowout shaft, hexagon connection, low friction bearings and an EPDM liner with reinforced seating area and profiled flange gaskets.

	Code	Size NB (mm)	STANDARDS	FEATURES
AVK Wafer Butterfly Valve  Lever Handle as standard 50-200mm Gearbox 250-300mm	VBFWAVK050	50	Designed according to EN 593	Ductile iron body with long neck for insulation
	VBFWAVK065	65	Face to face according to EN 558 Table 2 Basic Series 20	Anti-blowout 2-stub shaft with uneven hexagon for safe assembly
	VBFWAVK080	80	Universal Wafer Body	Both shafts carried by low friction PTFE coated bearings
	VBFWAVK100	100	TEST/APPROVALS	Loose liner of drinking water approved EPDM with reinforced seating area and integrated, profiled flange gaskets. The shaft holes are dimensioned to create compression around the shaft.
	VBFWAVK125	125		Slim disc design with internal hexagon for drive shaft connection
	VBFWAVK150	150	Hydraulic test according to EN 12266-1, P10/P12	Dew point blocker for heat insulation from lever or wormgear
	VBFWAVK200	200	Approved for drinking water / pressure test EN 12266-1	Anti blow-out plate at the top and a plug at the bottom
	VBFWAVK250	250	Approved to AS4795.1 butterfly valves for waterworks services	Two POM bearings and an EPDM O-ring at the top as backup sealing
	VBFWAVK300	300		350 µm epoxy coating, RAL 5017
				Lever of high strength reinforced synthetic material with 10 position notch plate (DN 50-200)
				Self locking gearbox with handwheel, adjustable end stops and mechanical position indicator (DN 250-300)
	Code	Size NB (mm)	STANDARDS	FEATURES
AVK Lugged Butterfly Valve 4087, PN16, EPDM  Lever Handle as standard 50-200mm Gearbox 250-300mm	VBFLAVKD/E050	50	Designed according to EN 593	Ductile iron body with long neck for insulation
	VBFLAVKD/E065	65	Face to face according to EN 558 Table 2 Basic Series 20	Anti-blowout 2-stub shaft with uneven hexagon for safe assembly
	VBFLAVKD/E080	80	Lugged Body drilling to AS 2129 table D / AS/NZS 4087 PN16	Both shafts carried by low friction PTFE coated bearings
	VBFLAVKD/E125	100	TEST/APPROVALS	Loose liner of drinking water approved EPDM with reinforced seating area and integrated, profiled flange gaskets. The shaft holes are dimensioned to create compression around the shaft.
	VBFLAVKD100	125		Slim disc design with internal hexagon for drive shaft connection
	VBFLAVKD150	150	Hydraulic test according to EN 12266-1, P10/P12	Dew point blocker for heat insulation from lever or wormgear
	VBFLAVKD200	200	Approved for drinking water / pressure test EN 12266-1	Anti blow-out plate at the top and a plug at the bottom
	VBFLAVKDG250	250	Approved to AS4795.1 butterfly valves for waterworks services	Two POM bearings and an EPDM O-ring at the top as backup sealing
	VBFLAVKDG300	300		350 µm epoxy coating, RAL 5017
				Lever of high strength reinforced synthetic material with 10 position notch plate (DN 50-200)
AVK Lugged Butterfly Valve Table E, EPDM  Lever Handle as standard 50-200mm Gearbox 250-300mm	VBFLAVKE100	100		Self locking gearbox with handwheel, adjustable end stops and mechanical position indicator (DN 250-300)
	VBFLAVKE150	150		
	VBFLAVKE200	200		
	VBFLAVKEG250	250		
	VBFLAVKEG300	300		

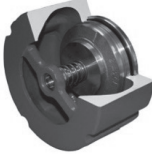
METAL VALVES

WATER AND WASTEWATER VALVES

VALMATIC VALVES							
	Code	Size NB (mm)	MATERIALS			SPECIFICATIONS	
			Part	Material			
Valmatic ABF Butterfly Valve Undrilled 	VBFDBFG100	100	Body	Ductile Iron FBE Coated		Flanges	Drilling TBC
	VBFDBFG150	150	Disc	Ductile Iron FBE Coated		Max Pressure	17 Bar
	VBFDBFG200	200		Ductile Iron FBE Coated		Max Temperature	80°C
	VBFDBFG250	250	Shaft	316 Stainless Steel		Certified to	AWWA C504
	VBFDBFG300	300		316 Stainless Steel		Size	100 - 3600 NB
	VBFDBFG350	350	Bearings	PTFE Impregnated Stainless Steel		* Other sizes available on request.	
	VBFDBFG400	400		PTFE Impregnated Stainless Steel			
	VBFDBFG450	450	Disc Seal	NBR			
	VBFDBFG500	500	Seal Retainer	316 Stainless Steel			
	VBFDBFG600	600	Fastenings	316 Stainless Steel			
	VBFDBFG750	700		316 Stainless Steel			
Valmatic Camcentric Plug Valve 	VPDBFBG080	80	Body	Ductile Iron FBE Coated		Flanges	Drilling TBC
	VPDBFBG100	100	Packing	NBR Vee Packing		Max Pressure	10 Bar
	VPDBFBG150	150	Bearing Seals	NBR Grit Guard (Patented)		Max Temperature	80°C
	VPDBFBG200	200		NBR Grit Guard (Patented)		Certified to	AWWA C517 Certified
	VPDBFBG250	250	Bearings	PTFE Impregnated Stainless Steel		Size	80 - 300NB
	VPDBFBG300	300		PTFE Impregnated Stainless Steel		* Other sizes available on request.	
			Plug / Shaft	NBR Encapsulated Ductile Iron			
			Bolts	316 Stainless Steel			
				316 Stainless Steel			
Valmatic Swingflex Check Valve 	Available on Request		Body	Ductile Iron FBE Coated		Flanges	Drilling TBC
			Cover	Ductile Iron FBE Coated		Max Pressure	17 Bar
			Disc	NBR Encapsulated Steel		Max Temperature	80°C
				NBR Encapsulated Steel		Certified to	AWWA C508 Certified
			Cover Bolts	316 Stainless Steel		Size	80 - 600NB
			Cover Gasket	Non-Asbestos Fibre		* Other sizes available on request.	
Valmatic Surgebuster Check Valve 	VCSBDBL250	250	Body	Ductile Iron FBE Coated		Flanges	Drilling TBC
	VCSBDBL300	300	Cover	Ductile Iron FBE Coated		Max Pressure	PN17
	VCSBDBL350	350		Ductile Iron FBE Coated		Max Temperature	80°C
	VCSBDBL400	400	Disc	NBR Encapsulated Steel		Certified to	AWWA C508 Certified
	VCSBDBL450	450		NBR Encapsulated Steel		Size	50 - 1200NB
	VCSBDBL500	500	Disc Accelerator	Stainless Steel		* Other sizes available on request.	
	VCSBDBL600	600		Stainless Steel			
	VCSBDBL750	750	Cover Bolts	316 Stainless Steel			
			Cover Gasket	Non-Asbestos Fibre			

METAL VALVES

WATER AND WASTEWATER VALVES

VALMATIC VALVES						
	Code	Size NB (mm)	MATERIALS		SPECIFICATIONS	
			Part	Material		
Valmatic Silent Check Valve 	VCGS080	80	Body	Cast Iron	Flanges	Drilling TBC
	VCGS100	100	Disc	Lead Free Bronze	Max Pressure	17 Bar
	VCGS150	150	Seat	Lead Free Bronze	Max Temperature	80°C
	VCGS200	200			Certified to	AWWA C508 Certified
	VCGS250	250	Resilient Seat	NBR / EPDM	Size	80 - 600NB
	VCGS300	300				
	VCGS400	400	Spring	T316 Stainless Steel		
	VCGS450	450				
	VCGS500	500				
	VCGS600	600				
					* Other sizes available on request. 	

Valmatic Water Air Release Valve 	VAN015	15	Body	Ductile Iron FBE Coated	Thread	NPT	
	VAN020	20	Cover	Ductile Iron FBE Coated	Max Pressure	12 Bar	
	VAN025	25			Max Temperature	80°C	
	VAN050	50	Float	316 Stainless Steel	Certified to	AWWA C512 Certified	
	VAN080	80	Seal	NBR	Size	15 - 80 NB	
			Fastenings	316 Stainless Steel			
							* Other sizes available on request. Note: Air Valves should be sized to suit a required discharge capacity. 

Valmatic Water Air Vacuum Valve 	VAVN050	50	Body	Ductile Iron FBE Coated	Thread	NPT	
	VAVN050X025	50x25	Cover	Ductile Iron FBE Coated	Max Pressure	upto PN20	
	VAVN080	80			Max Temperature	80°C	
			Float	316 Stainless Steel	Certified to	AWWA C512 Certified	
			Seal	NBR	Size	50 - 80 NB	
			Fastenings	316 Stainless Steel			
							* Other sizes available on request. Note: Air Valves should be sized to suit a required discharge capacity. 

Valmatic Water Combination Air Valve 	VACN025	25	Body	Ductile Iron FBE Coated	Thread	NPT	
	VACN050	50	Cover	Ductile Iron FBE Coated	Max Pressure	upto PN20	
	VACN080	80			Max Temperature	80°C	
	VACN100	100	Float	316 Stainless Steel	Certified to	AWWA C512 Certified	
			Seal	NBR	Size	25 - 100 NB	
			Fastenings	316 Stainless Steel			
							* Other sizes available on request. Note: Air Valves should be sized to suit a required discharge capacity. 

METAL VALVES

WATER AND WASTEWATER VALVES

VALMATIC VALVES							
	Code	Size NB (mm)	MATERIALS			SPECIFICATIONS	
			Part	Material			
Valmatic Wastewater Air Release Valve 	Available on request		Body	Ductile Iron FBE Coated		Thread	NPT
Cover			Ductile Iron FBE Coated	Max Pressure		10 Bar	
Float			316 Stainless Steel	Max Temperature		80°C	
Seal			NBR	Certified to		AWWA C512 Certified	
Fastenings			316 Stainless Steel	Size		Available on request	
			Note: Air Valves should be sized to suit a required discharge capacity.				
Valmatic Wastewater Air Vacuum Valve 	Available on request		Body	Ductile Iron FBE Coated		Thread	NPT
Cover			Ductile Iron FBE Coated	Max Pressure		10 Bar	
Float			316 Stainless Steel	Max Temperature		80°C	
Seal			NBR	Certified to		AWWA C512 Certified	
Fastenings			316 Stainless Steel	Size		Available on request	
			Note: Air Valves should be sized to suit a required discharge capacity.				
Valmatic Wastewater Combination Air Valve 	VACNWW050	50	Body	Ductile Iron FBE Coated		Thread	NPT
	VACNWW050025	50x25	Cover	Ductile Iron FBE Coated		Max Pressure	10 Bar
	VACNWW080	80	Float	316 Stainless Steel		Max Temperature	80°C
	VACNWW100	100	Seal	NBR		Certified to	AWWA C512 Certified
			Fastenings	316 Stainless Steel		Size	25 - 100 NB
						* Other sizes available on request. Note: Air Valves should be sized to suit a required discharge capacity.	
							

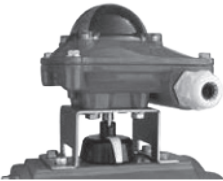
METAL VALVES

WATER AND WASTEWATER VALVES

OTHER VALVES				
	MATERIALS		SPECIFICATIONS	
	Part	Material		
Proco 740 Inline Duckbill Check Valves 	Body	Neoprene	Flanges	In-Line
	Connection	Slip in expanding clamp	Max Pressure	To Suit Customer Requirements
	Clamp Material	Duplex Stainless Steel	Max Temperature	82°C (Neoprene)
			Certified	AWWA, UL, FSA, NAHAD
			Size	50 - 1800NB
			On Indent. Other materials are available on request. Other Designs available on request.	
Larner Johnson Valves 	Body	Ductile Iron, Cast Steel, & Aluminium Bronze	Flanges	To Suit
	Plunger/Needle	Stainless Steel Gr 1.4301	Max Pressure	50 Bar
	Nose Piece	Aluminium Bronze	Max Temperature	82°C (Neoprene)
	Pilot Valve	Aluminium Bronze	Max Velocity	Up to 12m/sec
	Cross Shaft	Stainless Steel Gr 1.4057	Size	80 - 2500NB
	O Rings	EPDM	On Indent. Other materials are available on request. Other Designs available on request.	
	Fastenings	Stainless Steel A2		
Metso Neles RA Series Segmented Ball Valve 	Body	316 Stainless Steel	Type	V-Port Control Valve
	Segmented Ball	"329 Stainless Steel + Chromium"	Flanges	Flangeless, reduced bore, Metso face to face length Body Class 300/ PN 40
	Stem	329 Duplex Stainless Steel	Pressure/Shut off Control	up to 50 Bar / 35 Bar
	Back Seal	Stainless Steel + PTFE	Temperature	up to 600°C
	Packing	"PTFE Graphite optional"	Flow Characteristic	Equal Percentage
	Seats	Cobalt Based Alloy PTFE Optional	Approvals	Fire test to BS6755 and API607 4th edition
	Bearing	PTFE + Stainless Steel Net	Options	Pneumatic Actuation, Limit Switch Pneumatic Positioner, Electro-Pneumatic Positioner (Smart), & Electric
			Suitable for Water & Wastewater Flow Control.	
Prisma Pneumatic Actuators  Aluminium  Stainless Steel	Body	Aluminium Rilsan coated both internally & externally. Stainless Steel Option	Design	Atex directive 94-9-EC
	Valve mounting	ISO-5211	Rotation	90 degrees
	Switch mounting	VDI/VE 3845 NAMUR	MAX Working Pressure	8 Bar
	Torques for Double Acting @ 5.5 Bar Air supply	15.5 Nm – 4600 Nm	Working Temperature	-32 to 90°C
	Torques for Spring Return @ 5.5 Bar Air supply	5.5 Nm – 4011 Nm	Springs	Pre-loaded & captured
			Stroke adjustment	From 85 to 92 degrees
			Protection	IP67

METAL VALVES

WATER AND WASTEWATER VALVES

OTHER VALVES				
	MATERIALS		SPECIFICATIONS	
	Part	Material		
Prisma Limit Switch 	Material	Polyester coated Aluminium	Protection	IP67
	Switches	V3 or P&F Proximity	Terminal Connections	8 Terminal connections
			Position Indication	Coloured with "Open" or "Close"
Solenoid Valve 	Material	Polyamide or Aluminium	Protection	IP65 with cable plug
			Voltage	24 DC, 24/110/230 AC 50-60 Hz
			Connections	3/2, 5/2, and 5/3
			Port Size	Threaded 1/4"
Rotork Actuators and Controls Available on request. 				
MACK Pilot Operated Control Valves Available on request. 