

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	13.78 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	Body	CF8M		MAX Working Temperature	180°C
	HSGAVSS/025	25	Bonnet	CF8M		Cold Working Pressure	16 bar
	HSGAVSS/032	32	Wedge	CF8M		Size	15-50 NB
	HSGAVSS/040	40	Wedge	CF8M			
	HSGAVSS/050	50	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			
			Seat	EPDM			
CMO Stainless Steel Knife Gate Valve Table E Drilling 	CMVA7V211/080	80					
	CMVA7V211/100	100					
	CMVA7V211/125	125					
	CMVA7V211/150	150					
	CMVA7V211/200	200					
	CMVA7V211/250	250					
	CMVA7V211/300	300					

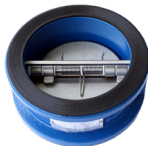
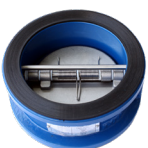
METAL VALVES

GLOBE VALVES										
	Code	Size NB (mm)	MATERIALS			SPECIFICATIONS				
			Part	Material						
Kitz Bronze Globe Valve Screwed Bonnet 	VGLBR015	15	Body	LG2 Gunmetal Bronze		Thread	BSP			
	VGLBR020	20	Bonnet	LG2 Gunmetal Bronze		MAX Working Temperature	220°C			
	VGLBR025	25				Cold Working Pressure	20 Bar			
	VGLBR032	32	Bonnet Nut	LG2 Gunmetal Bronze		Size	15-50 NB			
	VGLBR040	40				Applications – For use on Water Oil & Gas, and 150 PSI Saturated Steam				
	VGLBR050	50	Plug Disc	LG2 Gunmetal Bronze						
			Stem	CZ121 Brass						
			Gland	CZ121 Brass						
			Hand Wheel	Ductile Iron						
			Packing	PTFE						
Stainless Steel Globe Valve 	HSGLVSS/015	15	Body	316 Stainless Steel		Thread	BSP			
	HSGLVSS/020	20	Disc	316 Stainless Steel		MAX Working Temperature	180°C			
	HSGLVSS/025	25				Cold Working Pressure	16 Bar			
	HSGLVSS/032	32	Stem	316 Stainless Steel		Size	15-50 NB			
	HSGLVSS/040	40								
	HSGLVSS/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								
	VMNV/025	25	Gland & Nut	316 Stainless Steel						
			Handle	304 Stainless Steel						

METAL VALVES

CHECK VALVES							
	Code	Size NB (mm)	MATERIALS			SPECIFICATIONS	
			Part	Material			
Bonomi Brass Swing Check Valve (Metal Seated) 	BVCSM/015	15	Body	Brass		Thread	BSP
	BVCSM/020	20	Bonnet	Brass		MAX Working Temperature	200°C
	BVCSM/025	25	Hinge Pin Nut	Brass		Cold Working Pressure	Up to 16 bar
	BVCSM/032	32				Size	15-80 NB
	BVCSM/040	40				For horizontal installation. Applications - oil, water.	
	BVCSM/050	50					
	BVCSM/065	65					
	BVCSM/080	80					
Bonomi Brass Swing Check Valve (NBR Soft Seated) 	BVCS/015	15	Body	Brass		Seat	NBR
	BVCS/020	20	Bonnet	Brass		MAX Working Temperature	80°C
	BVCS/025	25	Hinge Pin Nut	Brass		Cold Working Pressure	Up to 16 bar
	BVCS/032	32				Size	15-50 NB
	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				Size	10-100 NB
	BVEC/032	32	Seat	NBR		Suitable for hot/cold water, oils. Applications – Can be fitted in horizontal, vertical or oblique position.	
	BVEC/040	40	Spring	302 Stainless Steel			
	BVEC/050	50					
	BVEC/065	65					
	BVEC/080	80					
	BVEC/100	100					
Bonomi 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 	HSCVSS/015	15	Body	SS CF8M		Thread	BSP
	HSCVSS/020	20	Bonnet	SS CF8M		MAX Working Temperature	180°C
	HSCVSS/025	25	Hanger Pin	316 Stainless Steel		Cold Working Pressure	16 bar
	HSCVSS/032	32	Disc	CF8M		Size	15-50 NB
	HSCVSS/040	40	Plug	316 Stainless Steel		Applications – water, oil, chemicals, corrosive environment and liquids.	
	HSCVSS/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	40 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= EPDM ACVB316= NBR	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	50-400 NB
	ACVCI316/125	125						
	ACVCI316/150	150	Seat	EPDM or NBR				
	ACVCI316/200	200			Shaft	304/316 Stainless Steel		
	ACVCI316/250	250						
	ACVCI316/300	300						
	ACVCI316/350	350						
	ACVCI316/400	400						
	ACVB316/050	50						
	ACVB316/065	65						
	ACVB316/080	80						
	ACVB316/100	100						
	ACVB316/125	125						
	ACVB316/150	150						
	ACVB316/200	200						
	ACVB316/250	250						
	ACVB316/300	300						
	ACVCIDI/050	50						
	ACVCIDI/065	65						
	ACVCIDI/080	80						
	ACVCIDI/100	100						
	ACVCIDI/125	125						
	ACVCIDI/150	150						
	ACVCIDI/200	200						
	ACVCIDI/250	250						
	ACVCIDI/300	300						
	A-Check Wafer Swing Check Valve 	ACVB/050	50	Body	Cast Iron	Fits Flanges	T/E, ANSI 125, PN16	
ACVB/065		65	Spring	316 Stainless Steel	MAX Working Temperature	80°C		
ACVB/080		80	Disc	304 Stainless Steel	Cold Working Pressure	16 Bar		
ACVB/100		100					Size	50-300 NB
ACVB/125		125						
ACVB/150		150	Seat	NBR				
ACVB/200		200			Shaft	316 Stainless Steel		
ACVB/250		250						
ACVB/300		300						
A-Check Stainless Steel Wafer Check Dual Plate Valve 		ACVSS/050	50	Body	A351 CF8M	Fits Flanges	ANSI 150	
		ACVSS/065	65	Spring	316 Stainless Steel	MAX Working Temperature	230°C	
		ACVSS/080	80	Disc	A351 CF8M	Working Pressure	ANSI Class 150	
	ACVSS/100	100	Size					50-300 NB
	ACVSS/125	125						
	ACVSS/150	150		Seat	A351 CF8M			
	ACVSS/200	200	Shaft			316 Stainless Steel		
	ACVSS/250	250						
	ACVSS/300	300						
	Ball Check Valve  *ACVBC = BSP Threaded *ACVBCF = Flanged	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			
ACVBCF/080		80	Gasket	EPDM	Ends	BSP / AS2129 T/E & D		
ACVBCF/100		100						
ACVBCF/125		125			Size	50-300 NB		
ACVBCF/150		150						
ACVBCF/200		200						
ACVBCF/250		250						
Application – Irrigation Service.								

METAL VALVES

BALL VALVES							
	Code	Size NB (mm)	MATERIALS		SPECIFICATIONS		
			Part	Material			
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	63 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 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	63 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 and general services.		
	VMBVSS/032	32					
	VMBVSS/040	40					
	VMBVSS/050	50					
VMBVSS/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	63 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					
*can be fitted with actuator.							
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	63 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	63 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 Heavy Duty Ball Valve with Steam Seats 	ABVSSST/015	15	Body	316 Stainless Steel			
	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		
	BVT201/010	10	Seat Retainer	Brass (Nickel Plated)	MAX Working Temperature	170°C		
	BVT201/015	15			Working Pressure	30 Bar		
	BVT201/020	20	Seat	PTFE	Size	8-100 NB		
	BVT201/025	25	Ball	Brass (Chromium plated)				
	BVT201/032	32						
	BVT201/040	40						
	BVT201/050	50	Stem	Brass				
	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 	BVT202/015	15	Lever Retaining Nut	Geomet Coated Steel				
	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 	BVT207/015	15						
	BVT207/020	20						
	BVT207/025	25						
RUB S.51 Brass Ball Valve Long Pattern Male/Female T Handle 	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

BRASS BALL VALVES											
	Code	Size NB (mm)	MATERIALS		SPECIFICATIONS						
			Part	Material							
Peakflo Ball Valve (low cost – irrigation service) 	PV/008	8	Body	Brass (Nickel Plated)	Thread	BSPP					
	PV/010	10	Seat Retainer	Brass (Nickel Plated)	MAX Working Temperature	60°C					
	PV/015	15									
	PV/020	20	Seat	PTFE	Cold Working Pressure	PN16 to PN50 acc. to size					
	PV/025	25									
	PV/032	32	Ball	Brass	Size	8-100 NB					
	PV/040	40									
	PV/050	50	Stem	Brass							
	PV/065	65	Gland	Brass							
	PV/080	80	Packing	Nitrile O ring							
PV/100	100	Lever	Stainless Steel (Plastic Coated)								
			Lever Retaining Nut	Stainless Steel							
BVS Range (short pattern)  S.50 Brass Ball Valve F/F Lever Handle	BVS214/008	8	Body	Brass (Nickel Plated)	Thread	BSPP MxF & FxF					
	BVS214/010	10	Seat Retainer	Brass (Nickel Plated)	MAX Working Temperature	170°C					
	BVS214/015	15									
	BVS214/020	20	Seat	PTFE	Cold Working Pressure	30 Bar					
	BVS214/025	25									
	BVS214/032	32	Ball	Brass (Chromium plated)	Size	8-100 NB					
	BVS214/040	40									
	BVS214/050	50	Stem	Brass	T-handle / lockable handle available on request						
	BVS214/065	65	Packing	Viton (Double O Ring)							
	BVS214/080	80	Lever	Geomet Coated Steel							
BVS214/100	100	Lever Retaining Nut	Geomet Coated Steel								
S.50 Brass Ball Valve M/F Lever Handle 	BVS215/008	8									
	BVS215/010	10									
	BVS215/015	15									
	BVS215/020	20									
	BVS215/025	25									
	BVS215/032	32									
	BVS215/040	40									
	BVS215/050	50									
	S.50 Brass Ball Valve M/F LeverHandle 	BVS217/008					8				
BVS217/010		10									
BVS217/015		15									
BVS217/020		20									
BVS217/025		25									
S.50 Brass Ball Valve M/F T Handle 	BVS218/008	8									
	BVS218/010	10									
	BVS218/015	15									
	BVS218/020	20									
	BVS218/025	25									

METAL VALVES

BRASS BALL VALVES						
	Code	Size NB (mm)	MATERIALS		SPECIFICATIONS	
			Part	Material		
MVGAS Range (AGA Gas approved)  Gas Ball Valve F/F Lever Handle BSPT	MVGAS/008	8	Body	Brass (Nickel Plated)	Thread	BSPT Male/ Female
	MVGAS/010	10	Seat Retainer	Brass (Nickel Plated)	MAX Working Temperature	150°C
	MVGAS/015	15				
	MVGAS/020	20	Seat	PTFE	Working Pressure Liquids	25 Bar
	MVGAS/025	25				
	MVGAS/032	32	Ball	Brass (Chromium plated)	Size	8-100 NB
	MVGAS/040	40				
	MVGAS/050	50	Stem	Brass	AGA Pressure Gas 8-50 NB 1500kPa 65-100 NB 2100kPa	
	MVGAS/065	65	Gland	Brass		
	MVGAS/080	80	Packing	Viton (Double O-Ring)		
MVGAS/100	100	Lever	Geomet Coated Steel			
		Lever Retaining Nut	Brass (Nickel Plated)			
T-handle / lockable handle available on request. Application – For low to medium gas applications. Can also be used for certain chemicals and oils. Hot & cold water, compressed air						
Licence – Australian Gas Association AGA 5244						
	MVGASLH/010	10				
	MVGASLH/015	15				
	MVGASLH/020	20				
	MVGASLH/025	25				
	MVGASLH/032	32				
	MVGASLH/040	40				
	MVGASLH/050	50				
	MVGASMF/008	8				
	MVGASMF/010	10				
	MVGASMF/015	15				
	MVGASMF/020	20				
	MVGASMF/025	25				
	MVGASMF/032	32				
	MVGASMF/040	40				
	MVGASMF/050	50				
MVGASMF/065	65					
	MVGASMFT/008	8				
	MVGASMFT/010	10				
	MVGASMFT/015	15				
	MVGASMFT/020	20				
	MVGASMFT/025	25				
 NB Gas Ball Valve F/F T Handle BSPT	MVGAST/008	8				
	MVGAST/010	10				
	MVGAST/015	15				
	MVGAST/020	20				
	MVGAST/025	25				

ISO DIRECT MOUNT BALL VALVE						
	Code	Size NB (mm)	MATERIALS		SPECIFICATIONS	
			Part	Material		
	BVSW/015	15	Body	Brass (Nickel Plated)	Thread	BSPP
	BVSW/020	20	Seat Retainer	Brass (Nickel Plated)	Mounting	ISO Direct Mount
	BVSW/025	25	Seat	PTFE	MAX Working temperature	120° C
	BVSW/032	32	Ball	Brass (Chromium plated)	Cold Working Pressure	30 - 50 Bar
	BVSW/040	40				
	BVSW/050	50	Packing	Viton (Double O-Ring)	Size	15 - 50 NB
	BVSW/065	65				
		Lever	Optional- indent on request			

METAL VALVES

STRAINERS					
	MATERIALS			SPECIFICATIONS	
	Part	Material			
RUB Brass Y Strainer - BYS 	Body & Cap	Brass	Thread	BSP	
	Mesh	Stainless Steel	Max Working Temperature	110°C	
			Cold Working Pressure	up to 20 Bar	
			Size	15-65 NB	
Bronze Y Strainer - PYS 	Body & Cap	Bronze	Thread	BSP	
	Mesh	Stainless Steel	Max Working Temperature	170°C	
			Cold Working Pressure	up to 20 Bar	
			Size	15-50 NB	
Stainless Steel Y Strainer - ABVS 	Body	316 Stainless Steel	Thread	BSP	
	Cap	316 Stainless Steel	Max Working Temperature	230°C	
	Gasket	PTFE	Cold Working Pressure	40 Bar	
	Mesh	304 Stainless Steel	Size	15-50 NB	
Cast Iron Y Strainer - HWS 	Body & Cover	Ductile Iron (Expoxy Coated)	Flanged	AS2129 T/E	
	Screen	304 Stainless Steel	Max Working Temperature	80°C	
	Gasket	EPDM	Cold Working Pressure	16 Bar	
	Plug	Malleable Iron	Size	50-250 NB	

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.

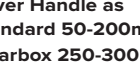
The design has bonded seats and spherical design for discs and seats to minimise wear and prolong service life.

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 90°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 Lever Handle as standard 50-200mm Gearbox 250-300mm						

METAL VALVES

KITZ BUTTERFLY VALVES

	Code	Size NB (mm)	MATERIALS		SPECIFICATIONS	
			Part	Material		
Kitz Lugged Butterfly Valve, ANSI 150, EPDM 	VBFLAE050	50	Body	Ductile Iron	Flanges - Lugged	AS2129 D/E EN 1092 PN 10/16 ANSI 125/150
	VBFLAE065	65	Handle / Gearbox	Aluminium		
	VBFLAE080	80	Disc	316 Stainless Steel	Cold Working Pressure	16 Bar
	VBFLAE100	100	Seat	EPDM or NBR		
	VBFLAE125	125	Bushing	Epoxy Glass Fibre Composite	MAX Working Temperature EPDM	EPDM 90°C
	VBFLAE150	150	Notch Plate	316 Stainless Steel	MAX Working Temperature Nitrile	Nitrile 80°C
	VBFLAE200	200	O-Ring	EPDM or Nitrile	Size	50-300 NB
	VBFLAE250	250			Lever Operated up to DN200, Gear Operated above.	
	VBFLAE300	300				
Kitz Lugged Butterfly Valve, ANSI 150, NBR 	VBFLAN050	50				
	VBFLAN065	65				
	VBFLAN080	80				
	VBFLAN100	100				
	VBFLAN125	125				
	VBFLAN150	150				
	VBFLAN200	200				
	VBFLAN250	250				
Kitz Lugged Butterfly Valve, Table E, EPDM 	VBFLEE050	50				
	VBFLEE065	65				
	VBFLEE080	80				
	VBFLEE100	100				
	VBFLEE125	125				
	VBFLEE150	150				
	VBFLEE200	200				
	VBFLEE250	250				
Kitz Lugged Butterfly Valve, Table E, NBR 	VBFLEN050	50				
	VBFLEN065	65				
	VBFLEN080	80				
	VBFLEN100	100				
	VBFLEN125	125				
	VBFLEN150	150				
	VBFLEN200	200				
	VBFLEN250	250				
Kitz Lugged Butterfly Valve, EN1092, PN16, EPDM 	VBFLME050	50				
	VBFLME065	65				
	VBFLME080	80				
	VBFLME100	100				
	VBFLME125	125				
	VBFLME150	150				
	VBFLME200	200				
	VBFLME250	250				
Lever Handle as standard 50-200mm Gearbox 250-300mm 	VBFLME300	300				

METAL VALVES

SAFETY RELIEF VALVES

	Code	Size NB (mm)	MATERIALS		SPECIFICATIONS
			Part	Material	
VYC Relief Valves Model 095 AP 	VYC095AP/015	15	Type	AP – Open Cap with Lever	Pressure Range Air & Gases 0.5 to 16 Bar
	VYC095AP/020	20	Design	ISO 4126-1:2004	Pressure Range Steam 0.5 to 13 Bar
	VYC095AP/025	25	Complies with	Directive 97/23/EC & ATEX 94/9/CE	MAX Temperature 230°C
	VYC095AP/032	32			Size 15-50 NB
	VYC095AP/040	40	Body & Trim Material	Brass EN-CW617N	Open Lever not suitable for back pressure applications. Available in Stainless Steel on Request. Under 3.5Bar set Pressure seat needs to be Silicon or Viton
	VYC095AP/050	50	Connections	BSP M/F	
			Seat	PTFE	
VYC Relief Valves Model 095 ES 	VYC095ES/015	15	Type	ES – Closed Cap	Pressure Range Air & Gases 0.5 to 16 Bar
	VYC095ES/020	20	Design	ISO 4126-1:2004	Pressure Range Steam 0.5 to 13 Bar
	VYC095ES/025	25	Complies with	Directive 97/23/EC & ATEX 94/9/CE	MAX Temperature 230°C
	VYC095ES/032	32			Size 15-50 NB
	VYC095ES/040	40	Body & Trim Material	Brass EN-CW617N	Closed Cap suitable for back pressure applications. Available in Stainless Steel on Request. Under 3.5Bar set Pressure seat needs to be Silicon or Viton
	VYC095ES/050	50	Connections	BSP M/F	
			Seat	PTFE	

MODENTIC 2-PCE FIRE SAFE 2000PSI BALL VALVE

	Code	Size NB (mm)	MATERIALS	
			Part	Material
	VBAS2F008	8	Body	CF8M Stainless Steel
	VBAS2F010	10	Ball	316 Stainless Steel
	VBAS2F015	15	Stem	316 Stainless Steel
	VBAS2F020	20	Seat	RTFE
	VBAS2F025	25	Ends	NPT
	VBAS2F040	40	Design	2-Pce Full Bore
	VBAS2F050	50	Pressure	2000 PSI
			Temperature	-29 to 220°C
			Firesafe	API 607
			Size	8 to 50NB

METAL VALVES

ASMUSS A-DISC BUTTERFLY VALVES

	Code	Size NB (mm)	Face to Face (mm)	MATERIALS		SPECIFICATIONS	
				Part	Material		
A-Disc Lugged T/E Butterfly Valve, 304 Disc, EPDM Seat, Gear Operated 	ADVLE304G/350	350	78	Body	Cast Iron	End Connection	Lugged, AS2129 tab. E
	ADVLE304G/400	400	102	Stem	SS416	Cold Working Pressure	16 Bar
	ADVLE304G/450	450	114	Disc	SS304	Max working Temperature	90°C
	ADVLE304G/500	500	127	Gear	Ductile Iron	Design Code	API609
	ADVLE304G/600	600	154	Seat	EPDM		
				Bushing	PTFE		
				O-ring	EPDM		
				Handwheel	Ductile Iron		
				Worm Shaft	SS416		
				Bolts	SS304		
				Washers	SS316		
A-Disc Lugged T/E Butterfly Valve, 316 Disc, EPDM Seat, Lever Operated 	ADVLE316/050	50	43	Body	Cast Iron	End Connection	Lugged, AS2129 tab. E
	ADVLE316/065	65	46	Shaft	SS416	Cold Working Pressure	16 Bar
	ADVLE316/080	80	46	Disc	SS316	Max working Temperature	90°C
	ADVLE316/100	100	52	Seat	EPDM	Design Code	API609
	ADVLE316/125	125	56	Bushing	FRP		
	ADVLE316/150	150	56	O-ring	NBR		
	ADVLE316/200	200	60	Half Ring	SS304		
	ADVLE316/250	250	68	Gasket	SS304		
	ADVLE316/300	300	78	Circlip	SS304		
				Indicator Plate	SS304		
				Lever	Ductile Iron		
				Fasteners	SS304		
				Washers	SS316		
A-Disc Lugged T/E Butterfly Valve, 316 Disc, EPDM Seat, Gear Operated 	ADVLE316G/100	100	52	Body	Cast Iron	End Connection	Lugged, AS2129 tab. E
	ADVLE316G/150	150	56	Shaft	SS416	Cold Working Pressure	16 Bar
				Disc	SS316	Max working Temperature	90°C
				Seat	EPDM	Design Code	API609
				Bushing	FRP		
				O-ring	NBR		
				Half Ring	SS304		
				Gasket	SS304		
				Circlip	SS304		
				Worm Gear	Ductile Iron		
				Handwheel	Ductile Iron		
				Worm Shaft	SS416		
				Fasteners	SS304		
				Washers	SS316		
A-Disc Lugged T/E Butterfly Valve, DI Disc, EPDM Seat, Lever Operated 	ADVLEDI/080	80	46	Body	Cast Iron	End Connection	Lugged, AS2129 tab. E
	ADVLEDI/100	100	52	Shaft	SS416	Cold Working Pressure	16 Bar
	ADVLEDI/150	150	56	Disc	Ductile Iron	Max working Temperature	90°C
	ADVLEDI/200	200	60	Seat	EPDM	Design Code	API609
	ADVLEDI/250	250	68	Bushing	FRP		
	ADVLEDI/300	300	78	O-ring	NBR		
				Half Ring	SS304		
				Gasket	SS304		
				Circlip	SS304		
				Indicator Plate	SS304		
				Lever	Ductile Iron		
				Fasteners	SS304		
				Washers	SS316		

METAL VALVES

ASMUSS A-DISC BUTTERFLY VALVES

	Code	Size NB (mm)	Face to Face (mm)	MATERIALS		SPECIFICATIONS	
				Part	Material		
A-Disc Lugged T/E Butterfly Valve, DI Disc, EPDM Seat, Gear Operated 	ADVLEDIG/100	100	52	Body	Cast Iron	End Connection	Lugged, AS2129 tab. E
	ADVLEDIG/150	150	56	Shaft	SS416	Cold Working Pressure	16 Bar
				Disc	Ductile Iron	Max working Temperature	90°C
				Seat	EPDM	Design Code	API609
				Bushing	FRP		
				O-ring	NBR		
				Half Ring	SS304		
				Gasket	SS304		
				Circlip	SS304		
				Worm Gear	Ductile Iron		
				Handwheel	Ductile Iron		
				Worm Shaft	SS416		
				Fasteners	SS304		
				Washers	SS316		
A-Disc Wafer Butterfly Valve, 316 Disc, EPDM Seat, Lever Operated 	ADVWE316/050	50	43	Body	Cast Iron	End Connection	Universal Wafer
	ADVWE316/065	65	46	Bushing	FRP	Cold Working Pressure	16 Bar
	ADVWE316/080	80	46	Seat	EPDM	Max working Temperature	90°C
	ADVWE316/100	100	52	Disc	SS316	Design Code	API609
	ADVWE316/125	125	56	Shaft	SS416		
	ADVWE316/150	150	56	O-ring	NBR		
	ADVWE316/200	200	60	Half Ring	SS304		
	ADVWE316/250	250	68	Gasket	SS304		
	ADVWE316/300	300	78	Circlip	SS304		
				Indicator Plate	SS304		
				Lever	Ductile Iron		
				Fasteners	SS304		
				Washers	SS316		
A-Disc Lugged T/E Butterfly Valve, 316 Disc, EPDM Seat, Gear Operated 	ADVWE316G/080	80	46	Body	Cast Iron	End Connection	Universal Wafer
	ADVWE316G/100	100	52	Shaft	SS416	Cold Working Pressure	16 Bar
	ADVWE316G/150	150	56	Disc	SS316	Max working Temperature	90°C
	ADVWE316G/200	200	60	Seat	EPDM	Design Code	API609
				Bushing	FRP		
				O-ring	NBR		
				Half Ring	SS304		
				Gasket	SS304		
				Circlip	SS304		
				Worm Gear	Ductile Iron		
				Handwheel	Ductile Iron		
				Worm Shaft	SS416		
				Fasteners	SS304		
				Washers	SS316		
A-Disc Lugged T/E Butterfly Valve, DI Disc, EPDM Seat, Lever Operated 	ADVWEDI/080	80	46	Body	Cast Iron	End Connection	Universal Wafer
	ADVWEDI/100	100	52	Bushing	FRP	Cold Working Pressure	16 Bar
	ADVWEDI/125	125	56	Seat	EPDM	Max working Temperature	90°C
	ADVWEDI/150	150	56	Disc	Ductile Iron	Design Code	API609
	ADVWEDI/200	200	60	Shaft	SS416		
	ADVWEDI/250	250	68	O-ring	NBR		
	ADVWEDI/300	300	78	Half Ring	SS304		
				Gasket	SS304		
				Circlip	SS304		
				Indicator Plate	SS304		
				Lever	Ductile Iron		
				Fasteners	SS304		
				Washers	SS316		

METAL VALVES

ASMUSS A-DISC BUTTERFLY VALVES							
	Code	Size NB (mm)	Face to Face (mm)	MATERIALS		SPECIFICATIONS	
				Part	Material		
A-Disc Lugged T/E Butterfly Valve, DI Disc, EPDM Seat, Gear Operated 	ADVWEDIG/100	100	52	Body	Cast Iron	End Connection	Universal Wafer
	ADVWEDIG/150	150	56	Shaft	SS416	Cold Working Pressure	16 Bar
	ADVWEDIG/200	200	60	Disc	Ductile Iron	Max working Temperature	90°C
				Seat	EPDM	Design Code	API609
				Bushing	FRP		
				O-ring	NBR		
				Half Ring	SS304		
				Gasket	SS304		
				Circlip	SS304		
				Worm Gear	Ductile Iron		
				Handwheel	Ductile Iron		
				Worm Shaft	SS416		
				Fasteners	SS304		
				Washers	SS316		

METAL VALVES

WATER AND WASTEWATER 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	VBFLAVKD/E050	50	TEST/APPROVALS	Self locking gearbox with handwheel, adjustable end stops and mechanical position indicator (DN 250-300)
	VBFLAVKD/E065	65		
	VBFLAVKD/E080	80	TEST/APPROVALS	
	VBFLAVKD/E125	125		
	VBFLAVKE100	100	TEST/APPROVALS	
	VBFLAVKE150	150		
	VBFLAVKE200	200	TEST/APPROVALS	
	VBFLAVKEG250	250		
	VBFLAVKEG300	300	TEST/APPROVALS	



METAL VALVES



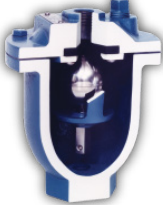
WATER AND WASTEWATER VALVES

VALMATIC VALVES				
	MATERIALS		SPECIFICATIONS	
	Part	Material		
Valmatic ABF Butterfly Valve Undrilled - VBFD 	Body	Ductile Iron FBE Coated	Flanges	Un-Drilled
	Disc	Ductile Iron FBE Coated	Max Pressure	PN17
	Shaft	316 Stainless Steel	Max Temperature	80°C
	Bearings	PTFE Impregnated Stainless Steel	Certified to	AWWA C504
	Disc Seal	NBR	Size	250 - 600 NB
	Seal Retainer	316 Stainless Steel	* Other sizes available on request. 	
	Fastenings	316 Stainless Steel		
Valmatic Camcentric Plug Valve - VPD 	Body	Ductile Iron FBE Coated	Flanges	Un-Drilled
	Packing	NBR Vee Packing	Max Pressure	PN10
	Bearing Seals	NBR Grit Guard (Patented)	Max Temperature	80°C
	Bearings	PTFE Impregnated Stainless Steel	Certified to	AWWA C517 Certified
	Plug / Shaft	NBR Encapsulated Ductile Iron	Size	80 - 300NB
	Bolts	316 Stainless Steel	* Other sizes available on request. 	
Valmatic Surgebuster Check Valve - VCSB 	Body	Ductile Iron FBE Coated	Flanges	Un-Drilled
	Cover	Ductile Iron FBE Coated	Max Pressure	PN17
	Disc	NBR Encapsulated Steel	Max Temperature	80°C
	Disc Accelerator	Stainless Steel	Certified to	AWWA C508 Certified
	Cover Bolts	316 Stainless Steel	Size	80 - 600NB
	Cover Gasket	Non-Asbestos Fibre	* Other sizes available on request. 	

METAL VALVES



WATER AND WASTEWATER VALVES

VALMATIC VALVES				
	MATERIALS		SPECIFICATIONS	
	Part	Material		
Valmatic Silent Check Valve - VCGS 	Body	Cast Iron	Flanges	Un-Drilled
	Disc	Lead Free Bronze	Max Pressure	PN17
	Seat	Lead Free Bronze	Max Temperature	80°C
	Resilient Seat	(NBR / EPDM)	Certified to	AWWA C508 Certified
	Spring	T316 Stainless Steel	Size	80 - 600NB
			* Other sizes available on request. 	
Valmatic Water Air Release Valve 	Body	Ductile Iron FBE Coated	Thread	NPT
	Cover	Ductile Iron FBE Coated	Max Pressure	PN12
	Float	316 Stainless Steel	Max Temperature	80°C
	Seal	NBR	Certified to	AWWA C512 Certified
	Fastenings	316 Stainless Steel	Size	15 - 80 NB
			* Other sizes available on request. Note: Air Valves should be sized to suit a required discharge capacity 	
Valmatic Water Air Vacuum Valve 	Body	Ductile Iron FBE Coated	Thread	NPT
	Cover	Ductile Iron FBE Coated	Max Pressure	upto PN20
	Float	316 Stainless Steel	Max Temperature	80°C
	Seal	NBR	Certified to	AWWA C512 Certified
	Fastenings	316 Stainless Steel	Size	50 - 80 NB
			* Other sizes available on request. Note: Air Valves should be sized to suit a required discharge capacity 	
Valmatic Water Combination Air Valve 	Body	Ductile Iron FBE Coated	Thread	NPT
	Cover	Ductile Iron FBE Coated	Max Pressure	upto PN20
	Float	316 Stainless Steel	Max Temperature	80°C
	Seal	NBR	Certified to	AWWA C508 Certified
	Fastenings	316 Stainless Steel	Size	50 - 1200NB
			* 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				
	MATERIALS		SPECIFICATIONS	
	Part	Material		
Valmatic Wastewater Air Release Valve 	Body	Ductile Iron FBE Coated	Thread	NPT
	Cover	Ductile Iron FBE Coated	Max Pressure	PN10
	Float	316 Stainless Steel	Max Temperature	80°C
	Seal	NBR	Certified to	AWWA C512 Certified
	Fastenings	316 Stainless Steel	Size	Available on request
			* Other sizes available on request. Note: Air Valves should be sized to suit a required discharge capacity	
			 American Water Works Association	
Valmatic Wastewater Air Vacuum Valve 	Body	Ductile Iron FBE Coated	Thread	NPT
	Cover	Ductile Iron FBE Coated	Max Pressure	PN10
	Float	316 Stainless Steel	Max Temperature	80°C
	Seal	NBR	Certified to	AWWA C512 Certified
	Fastenings	316 Stainless Steel	Size	Available on request
			* Other sizes available on request. Note: Air Valves should be sized to suit a required discharge capacity	
			 American Water Works Association	
Valmatic Wastewater Combination Air Valve 	Body	Ductile Iron FBE Coated	Thread	NPT
	Cover	Ductile Iron FBE Coated	Max Pressure	PN10
	Float	316 Stainless Steel	Max Temperature	80°C
	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	
			 American Water Works Association	

METAL VALVES



WATER AND WASTEWATER VALVES

AVK RESILIENT SEAT GATE VALVES AND HAND WHEELS					
	Code	Size OD (mm)		Code	Size OD (mm)
Anti-Clockwise Closing, Double Flanged  *Larger sizes available on request	VGARSFA050AVKSSB5	50	Clockwise Closing, Double Flanged  *Larger sizes available on request	VGARSFC100AVKSS-B5	100
	VGARSFA080AVK-B5	80		VGARSFC150AVKSS-B5	150
	VGARSFA100AVK-B5	100		VGARSFC200AVKSS-B5	200
	VGARSFA150AVK-B5	150		VGARSFC250AVKSS-B5	250
	VGARSFA200AVK-B5	200			
	VGARSFA250AVK-B5	250			
	VGARSFA300AVK-B5	300			
	VGARSFA375AVKSS-B5	375			
	VGARSFA450AVK-ISO-B5	450			
	VGARSFA500AVK-ISO-B5	500			
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.

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.

AVK RESILIENT SEATED SERVICE VALVE BSP

	Code	Size OD (mm)
AVK Resilient Seated Service Valve - BSP Thread 	50ASVHWBSP	50

AVK FIRE HYDRANT

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



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 - NJRA 	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.	

MACK Pilot Operated Control Valves

Available on request.



METAL VALVES

WATER AND WASTEWATER VALVES

ACTUATION				
	MATERIALS		SPECIFICATIONS	
	Part	Material		
Prisma Limit Switch - PRCFC 	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 - BSV 	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.   				
Prisma Pneumatic Actuators - PRACT  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/VDE 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

INDUSTRIAL VALVES

VALMET VALVES

	MATERIALS		SPECIFICATIONS	
	Part	Material		
Neles® RA Series Segmented Ball Valve - JRA 	Body	316 Styainless Steel	Type	V-Port Control Valve
	Segmented Ball	329 Stainless Steel + Chromium	Flanges	Flangeless, reduced bore, Body Class 300/PN 40
	Stem	329 Duplex Stainless Steel	Pressure Shut Off / Control	Upto PN50 / PN35
	Back Seal	Stainless Steel + PTFE	Temperature	up to 600°C
	Packing	PTFE Graphite optional	Flow Characteristic	Equal Percentage
	Seats	Colbolt Based Alloy PTFE Optional	Aprovals	Fire test to BS6755 and API607, 4th edition
	Bearings	PTFE + Stainless Steel Net	Options	Pneumatic Actuation, Limit Switch Pnuematic Positioner, Electro-Pneumatic Postioner (Smart)
			Size	25 - 250 NB
			*Other sizes available on request. Note: We have NelProf control valve sizing software to accurately size your control applications.	
Neles® L Series Triple Eccentric Butterfly Valve - NJL 	Body	WCB - Carbon Steel or CF8M - 316 Stainless Steel	Flanges	ANSI 150 or ANSI 300
	Disc	316 Stainless Steel	Model	LW Wafer LG Lugged
	Stem	17-4Ph	Pressure	up to PN40
	Seat Ring	Hard chrome plated Incoloy 825	Temperature	up to 600°C
	Bearings	AISI 316 + PTFE or cobalt based alloy	Material / Test Cert.	EN 10204-3.1B
			Aprovals	Fire test to BS6755 and API607, depends on time.
			Options	Pneumatic Actuation, Limit Switch Pnuematic Positioner, Electro-Pneumatic Postioner (Smart)
			Sizes	80 - 1000 NB
			* Other sizes available on request. Note: We have NelProf control valve sizing software to accurately size your control applications.	
Neles® GU Series Globe Control Valve - GU 	Body	WCB - Carbon Steel or 316 Stainless Steel	Flanges	ANSI 150 - ANSI 2500
	Plug Set	410 Stainless Steel 630 Stainless Steel	Pressure	up to 5000 PSI
	Plug	410 Stainless Steel	Temperature	Standard trim 260°C upto 593°C
	Seat Ring	410 Stainless Steel	Cv Ratio	50 : 1
	Stem	630 Sstainless Steel + HCr	Flow Characteristics	Equal Percentage & Linear Options
	"Seat Gasket Body Gasket"	S/W GASKET, 316 SS + GRAPHITE	Low Emmission Option	Low emission gland packing with Live load spring
	Seat Ring	410 Stainless Steel	Actuator Options	Pneumatic Actuation, Limit Switch Pnuematic Positioner, Electro-Pneumatic Postioner (Smart)
	Packing Ring	PTFE + Carbon Fibre	Sizes	Available on Request
			* Other sizes available on request. Note:We have NelProf control valve sizing software to accurately size your control applications.	

METAL VALVES

INDUSTRIAL VALVES

VALMET VALVES				
	MATERIALS		SPECIFICATIONS	
	Part	Material		
JAMESBURY® Series 9000 Floating Ball Valve - Flanged - NJ 	Body	Carbon Steel	Type	ASME B16.34
	Ball	316 Stainless Steel	Flanges	ANSI 150
	Stem	316 Stainless Steel	Pressure	Up to 19 Bar
	Seat	Xtreme®	Temperature	-29 to 260°C
			Firesafe	API 607, BS6755 Pt 2
			Size	25 to 100NB
			*Other sizes/pressure ratings available on request.	
JAMESBURY® Series 4000 Floating Ball Valve - NJ 	Body	Carbon Steel	Type	ASME B16.34 CL800
	Ball	316 Stainless Steel	Ends	NPT SWF
	Stem	316 Stainless Steel	Pressure	Up to 137 Bar
	Seat	Xtreme®	Temperature	-29 to 250°C
			Firesafe	API 607
			Size	15 to 50NB
			* Other sizes/pressure ratings available on request.	
Neles® B1 Series Pneumatic Actuators 	Housing	Cast Iron	Type	Double Acting or Spring Return (FO or FC)
	Cylinder	Aluminium Alloy Epoxy Coated Option: Steel Epoxy Coated	Mounting	ISO
	Lever Arm	Ductile Iron + Nickel	Accessory Mounting	Interface engineered to VDI/VDE with the use of Metso linkages.
	Piston Bearings	PE-HD	Pressure	Up to 19 Bar
	O-Rings	Nitrile Rubber	Temperature	Standard Construction: -29 to 70°C High Temperature: -20 to 120°C
	Piston	Aluminium Alloy	Approvals	ATEX
	Piston Rod	Steel, hard chrome plated	Optional Extras	Locking Device, Shock Absorber, Automatic Latching Device, Manual Latching Device. Manual Override, Hydraulic Manual Override.
			Output Torque	DA: 40 Nm to 100,000 Nm @ 10 Bar Max Air Supply SR: 25 Nm to 12,000 Nm @ 8.5 Bar Max Air Supply
Neles® ND9000 Electro-Pneumatic Smart Positioners 	Housing	Anodized Aluminium alloy and Polymer composit Optional Stainless Steel	Type	Rotary or Linair
	Pneumatic Ports	G1/4 (ND9100) 1/4 NPT (ND9200, ND9300 & ND9400)	Mounting	ISO
	Indication	Mechanical and digital position indicator visible through main cover on standard usints.	Accessory Mounting	Interface engineered to VDI/VDE with the use of Metso linkages.
	Output Signal	4 - 20mA (galvanic isolation 600VDC)	Pneumatic Air Supply	1.4 to 8 Bar
	Communication	HART, FOUNDATION fieldbus, Profibus PA	Temperature	Standard Version: minus 40 to 85°C
	Protection class:	IP66 / NEMA 4X enclosure	Approvals	Ex ia / Ex nA: ATEX, IECEx, INMETRO, cCSAus, CCOE/PESO and KOSHAEx d: ATEX, IECEx, INMETRO, cCSAus, CCOE/PESO, KOSHA, GOST R and NEPSI, SIL2 Rtd
			Neles ND9000 is designed to operate on every control valve actuator and in all industry areas. ND9000 is a smart, reliable and future-proof positioner with life-time support. Its superior design features and unique diagnostics provide a solid foundation for performance optimization and proactive maintenance. Note: Also available are Neles standard Pneumatic and Electro Pneumatic Positioners	

METAL VALVES

INDUSTRIAL VALVES

KITZ VALVES				
	MATERIALS		SPECIFICATIONS	
	Part	Material		
KITZ® Ball Valve C / Steel Class 150 - VBAC150K 	Body	A216 WCB, Carbon Steel	Type	API 608
	Ball	316 Stainless Steel	Flanges	ANSI 150RF
	Stem (CAPI Design)	316 Stainless Steel	Pressure	2MPa
	Seats	Hypatite (Reinforced PTFE)	Temperature	-29 to 220°C
	Packing	Graphite (Live Loaded)	Certification / Aprovals	API 607, NACE MR0175
			Size	DN25 - DN250
			*Pressure Temperature dependant based on valve size. Used for frequent operation, for flow Isolation, on Petroleum based media (e.g. Oil, Natural Gas, Petroleum, etc), Steam, and most clean media subject to material suitability.	
KITZ® Ball Valve C / Steel Class 300 - VBAC300K 	Body	A216 WCB, Carbon Steel	Type	API 608
	Ball	316 Stainless Steel	Flanges	ANSI 300RF
	Stem (CAPI Design)	316 Stainless Steel	Pressure	5.2MPa
	Seats	Hypatite (Reinforced PTFE)	Temperature	-29 to 220°C
	Packing	Graphite (Live Loaded)	Certification / Aprovals	API 607, NACE MR0175
			Size	DN25 - DN250
			*Pressure Temperature dependant based on valve size. Used for frequent operation, for flow Isolation, on Petroleum based media (e.g. Oil, Natural Gas, Petroleum, etc), Steam, and most clean media subject to material suitability.	
KITZ® Ball Valve Stainless Steel Class 150 - VBAS150K 	Body	Carbon Steel	Type	API 608
	Ball	316 Stainless Steel	Flanges	ANSI 150RF
	Stem (CAPI Design)	316 Stainless Steel	Pressure	1.96MPa
	Seats	Hypatite (Reinforced PTFE)	Temperature	-29 to 220°C
	Packing	Graphite (Live Loaded)	Certification / Aprovals	API 607, NACE MR0175
			Size	DN25 - DN250
			*Pressure Temperature dependant based on valve size. Used for frequent operation, for flow Isolation on Petroleum based media (e.g. Oil, Natural Gas, Petroleum, Chemicals etc), Steam, and most clean media subject to material suitability.	
KITZ® Ball Valve Stainless Steel Class 300 - VBAS300K 	Body	A216 WCB, Carbon Steel	Type	API 608
	Ball	316 Stainless Steel	Flanges	ANSI 300RF
	Stem (CAPI Design)	316 Stainless Steel	Pressure	5MPa
	Seats	Hypatite (Reinforced PTFE)	Temperature	-29 to 220°C
	Packing	Graphite (Live Loaded)	Certification / Aprovals	API 607, NACE MR0175
			Size	DN25 - DN250
			*Pressure Temperature dependant based on valve size. Used for frequent operation, for flow Isolation on Petroleum based media (e.g. Oil, Natural Gas, Petroleum, Chemicals etc), Steam, and most clean media subject to material suitability.	
KITZ® Gate Valve C / Steel Class 150 - VGAC150K 	Body	ASTM A216 WCB	Type	API 600
	Disc	Carbon Steel + 13Cr	Flanges	ANSI 150RF
	Stem	ASTM A182 6Fa	Pressure	2MPa
	Seats	Steel Seats Hard Faced & Welded	Temperature	-29 to 538°C
	Packing	Graphite - Low Emmission	Certification / Aprovals	Firesafe by Design, NACE MR0175
			Size	DN40 - DN900
			*Pressure Temperature dependant. Used for infrequent operation, slow closing and opening, for flow Isolation on Petroleum based media (e.g. Oil, Natural Gas, Petroleum, etc), Steam, and most clean media subject to material suitability.	

METAL VALVES

INDUSTRIAL VALVES

KITZ VALVES				
	MATERIALS		SPECIFICATIONS	
	Part	Material		
KITZ® Gate Valve C/ Steel Class 300 - VGAC300K 	Body	ASTM A216 WCB	Type	API 600
	Disc	Carbon Steel + 13Cr	Flanges	ANSI 300RF
	Stem	ASTM A182 6Fa	Pressure	5.2Mpa
	Seats	Steel Seats Hard Faced & Welded	Temperature	-29 to 538°C
	Packing	Graphite - Low Emmission	Certification / Aprovals	Firesafe by Design, NACE MR0175
			Size	DN40 - DN900
			*Pressure Temperature dependant. Used for infrequent operation, slow closing and opening, for flow Isolation on Petroleum based media (e.g. Oil, Natural Gas, Petroleum, etc), Steam, and most clean media subject to material suitability.	
KITZ® Gate Valve Stainless Steel Class 150 - VGAS150K 	Body	A351 CF8M	Type	API 600
	Disc	A351 CF8M	Flanges	ANSI 150RF
	Stem	316 Stainless Steel	Pressure	2MPa
	Packing	Graphite - Low Emmission	Temperature	-29 to 454°C
			Certification / Aprovals	Firesafe by Design, NACE MR0175
			Size	DN15 - DN600
			*Pressure Temperature dependant. Used for infrequent operation, slow closing and opening, for flow Isolation on Petroleum based media (e.g. Oil, Natural Gas, Petroleum, etc), Steam, and most clean media subject to material suitability.	
KITZ® Gate Valve Stainless Steel Class 300 - VGAS300K 	Body	A351 CF8M	Type	API 600
	Disc	A351 CF8M	Flanges	ANSI 300RF
	Stem	316 Stainless Steel	Pressure	5.2Mpa
	Packing	Graphite - Low Emmission	Temperature	-29 to 454°C
			Certification / Aprovals	Firesafe by Design, NACE MR0175
			Size	DN15 - DN600
			*Pressure Temperature dependant. Used for infrequent operation, slow closing and opening, for flow Isolation on Petroleum based media (e.g. Oil, Natural Gas, Petroleum, etc), Steam, and most clean media subject to material suitability.	

METAL VALVES

INDUSTRIAL VALVES

NEWAY VALVES				
	MATERIALS		SPECIFICATIONS	
	Part	Material		
NEWAY® Gate Valve Cast Steel - VGAC 	Body	Carbon Steel	Type	API 600
	Gate	Carbon Steel	Flanges	ANSI 150, 300 & 600
	Stem	410 Stainless Steel (F6A) 17-4PH	Pressure	Up to 100 Bar
	Packing	Graphite PTFE	Temperature	-29 to 538°C
	Trim	API Trim 8 API Trim 5	Size	50 to 400NB
			* Other sizes/pressure ratings available on request	
NEWAY® Globe Valve Cast Steel - VGLC 	Body	Carbon Steel	Type	API 600
	Plug	Carbon Steel	Flanges	ANSI 150, 300 & 600
	Stem	410 Stainless Steel	Pressure	Up to 100 Bar
	Packing	Graphite	Temperature	-29 to 538°C
	Trim	API Trim 5	Size	50 to 150NB
			* Other sizes/pressure ratings available on request	
NEWAY® Check Valve Cast Steel - VCSC 	Body	Carbon Steel	Type	API 600
	Gate	Carbon Steel	Flanges	ANSI 150
	Hinge Pin	410 Stainless Steel	Pressure	Up to 19 Bar
	Trim	API Trim 5	Temperature	-29 to 538°C
			Size	50 to 100NB
			* Other sizes/pressure ratings available on request	
NEWAY® Check Valve Dual Plate - VCLC, VCV 	Body	Carbon Steel	Type	API 594
	Gate	Carbon Steel	Flanges	ANSI 150, 300 & 600
	Stem	410 Stainless Steel	Pressure	Up to 100 Bar
	Springs	Inconel X750	Temperature	-29 to 538°C
	Trim	API Trim 5	Size	50 to 200NB
			* Other sizes/pressure ratings available on request	
NEWAY® Gate Valve Forged Steel - VGAC800 	Body	Carbon Steel	Type	API 602
	Gate	316 Stainless Steel	Ends	NPT SWF
	Stem	316 Stainless Steel	Pressure	Up to 135 Bar
	Packing	Graphite	Temperature	-29 to 538°C
	Trim	API Trim 16	Size	15 to 50NB
			* Other sizes/pressure ratings available on request	
NEWAY® Globe Valve Forged Steel - VCPC800 	Body	Carbon Steel	Type	API 602
	Disc	Carbon Steel	ENDS	NPT SWF
	Springs	Inconel X750	Pressure	Up to 135 Bar
	Trim	API Trim 5	Temperature	-29 to 538°C
			Size	15 to 50NB
			* Other sizes/pressure ratings available on request	

METAL VALVES

INDUSTRIAL VALVES

NEWAY VALVES				
	MATERIALS		SPECIFICATIONS	
	Part	Material		
NEWAY® Floating Ball Valve - VBAC 	Body	Carbon Steel	Type	API 608
	Ball	Carbon Steel + ENP 316 Stainless Steel	Flanges	ANSI 150 to 2500
	Stem	Carbon Steel + ENP 316 Stainless Steel	Pressure	Up to 50 Bar
	Seat	Reinforced PTFE	Temperature	-29 to 120°C
			Firesafe	API 607
			Size	25 to 150NB
			* Other sizes/pressure ratings available on request	
NEWAY® Trunnion Ball Valve - VBAC 	Body	Carbon Steel	Type	API 6D
	Ball	Carbon Steel + ENP 316 Stainless Steel	Flanges	ANSI 600 to 2500
	Stem	Carbon Steel + ENP 316 Stainless Steel	Pressure	Up to 430 Bar
	Seat	Reinforced PTFE Nylon 12 PEEK	Temperature	-29 to 200°C
			Firesafe	API 607, 6FA
			Size	50 to 200NB
			* Other sizes/pressure ratings available on request	

METAL VALVES

INDUSTRIAL VALVES

FARRIS VALVES				
	MATERIALS		SPECIFICATIONS	
	Part	Material		
Farris Fig 2400 Safety Valve 	Materials of Construction	Carbon Steel Stainless Steel Brass/Bronze	Size	1/2" x 3/4" to 1" x 1"
	Seat Materials	Elastomer, Plastic	Set Pressure Ranges	20 to 2,000PSI (1.38 to 137.9 Bar)
	Orifice	API B (0.049 in ²) - E (0.196 in ²)	Temperature Ranges	minus 268 to 288°C
	Suitable for	Air, Gas, & Vapour Service	Certification / Approvals	ASME/NB Section VIII National Board, NB CRN (Canadian Registration)
			ASME Section VIII, Direct Spring Loaded, Soft Seat Design, External Blowdown Control, Full Lift at Set Pressure. * Pressure Temperature dependant based on Pressure Class.	
Farris Fig 2600 Safety Valve 	Materials of Construction	Carbon Steel Stainless Steel Low/High Temp Alloy Steels Monel Hastelloy C Duplex NACE Compliant Materials	Size	1" x 2" to 20" x 24"
	Orifice	API D (0.15 in ²) - Z (176.7 in ²)	Set Pressure Ranges	15 to 6,000PSI (1.0 to 413 Bar)
	Suitable for	Air, Gas, Vapour, Steam & Liquid Service	Temperature Ranges	minus 195 to 815°C
			Certification / Approvals	ASME/NB Section VIII & III CSA B51 ISO 9001-2008 PED 97/23/EC ATEX 94/9/EC Nuclear - 10 CRF 50 Appendix B
			Flange Classes	150# - 2500#
			Conforms to API 526, Full Nozzle Design, Integral Cast Flanges, Metal Seat with optional O-Ring, Balanced Bellows Option, Open Bonnet & Lever Assembly option, Adjustable Blowdown, 2600L - Multiple Service Single Trim Design.	
Farris Fig 2700 Safety Valve 	Materials of Construction	Carbon Steel Stainless Steel Low/High Temp Alloy Steels Monel Hastelloy C Duplex NACE Compliant Materials	Size	1/2" x 1" to 1-1/2" x 2-1/2"
	Orifice	API C (0.068 in ²) - G (0.573 in ²)	Set Pressure Ranges	15 to 6,000PSI (1.0 to 413 Bar)
	Suitable for	Air, Gas, Vapour, Steam & Liquid Service	Temperature Ranges	minus 195 to 399°C
			Certification / Approvals	ASME/NB Section VIII & III CSA B51 ISO 9001-2008 PED 97/23/EC ATEX 94/9/EC Nuclear - 10 CRF 50 Appendix B
			Flange Classes	150# - 2500#
			The 2700 Series pressure relief valve, also known as an expansion relief valve, features a superior design that handles air, steam, vapor, and liquid services. In addition, the fixed blowdown design simplifies testing and repair, and the maximum interchangeability of parts allows for easy maintenance.	

METAL VALVES

INDUSTRIAL VALVES

FARRIS VALVES				
	MATERIALS		SPECIFICATIONS	
	Part	Material		
Farris Fig 3800 Safety Valve 	Materials of Construction	Carbon Steel Stainless Steel Low/High Temp Alloy Steels Monel Hastelloy C Duplex NACE Compliant Materials	Size	1" x 2" to 12" x 16"
	Orifice	API D (0.15 in ²) - T (26.0 in ²)	Set Pressure Ranges	15 to 6,000PSI (1.0 to 413 Bar)
	Non API Orifice	A, 1-8 (45.0 in ²)	Temperature Ranges	minus 195 to 399°C
	Suitable for	Air, Gas, Vapour, Steam & Liquid Service	Certification / Approvals	ASME/NB Section VIII & III CSA B51 ISO 9001-2008 PED 97/23/EC ATEX 94/9/EC Nuclear - 10 CRF 50 Appendix B
			Flange Classes	150# - 2500#
ASME Section VIII, Direct Spring Loaded, Soft Seat Design, External Blowdown Control, Full Lift at Set Pressure. * Pressure Temperature dependant based on Pressure Class.				

CASHCO VALVES				
	MATERIALS		SPECIFICATIONS	
	Part	Material		
Cashco - Model 1164 General Purpose 	Materials of Construction	Ductile Iron Carbon Steel Bronze	Size	DN20 to DN50
	Trim Designs	Metal seated or com position seated with metal diaphragm	Pressure	DI - 175PSI (12Bar) BRZ - 200PSI (13.8Bar) CS - 225PSI (15.5Bar)
	Max CV	15.7	Temperature	minus 29 to 205°C
	Suitable for	Water, Air, & Steam Service	Certification / Approvals	CE
			End Connections	NPT, BSPP
Back Pressure Regulators (other models available)				
Cashco - Model DA6 High Flow 	Body/Cover Dome Materials	CI/DI BRZ/BRZ SST/DI CS/DI BRZ/DI SST/CS CS/CS HC/CS SST/SST HC/SST	Size	DN15 to DN100
	Trim Designs	Metal seated or composition seated with metal diaphragm	Inlet Pressure	2.0" WC - 750 psig (51.7 Barg)
	Capacity	Highest in the industry. Allows smaller body sizes than competitors in a majority of applications.	Pressure Drop	5-750 psid (.34-51.7 Bard)
	Rangeability	Basic valve gives outstanding rangeability due to close tolerances, balanced trim, and a broad range of elastomeric diaphragms and soft seats. Can be as high as 1000:1.	Temperature	minus 254 to 204°C
	Suitable for	Industrial Gases, Natural Gas, Air, Oil, Water, Steam, Corrosive & Non-Corrosive Chemical Services	Certification / Approvals	CE
Back Pressure Regulators (other models available)				

METAL VALVES

INDUSTRIAL VALVES

CASHCO VALVES				
	MATERIALS		SPECIFICATIONS	
	Part	Material		
Cashco - Model BA1/BL1 - Sanitary 	Body Material	SST	Size	DN15 to DN20
	Surface Finish	Interior of body mechanically polished per ASME BPE (SFV-4). Interior and exterior surfaces are electro-polished.	Inlet Pressure	UP TO 135 psig (9.3 Bar)
	Max CV	BL1 - Inline Wide Open Cv: 1.22 BA1 - Angle Wide Open Cv: 1.86	Temperature	minus 29 to 135°C
	Adjustment Ease	Adjusting knob for frequent set point changes.	Certification / Approvals	Sanitary / Bio-Sanitary
	Suitable for	Pharmaceutical industry, Processed Food Production, Cosmetics Production, Specialty	End Connections	Tri-Clamp, Tube End
			Back Pressure Regulators (other models available)	
Cashco - Model 14656 - General Purpose 	Body Material	ASTM A351, Gr. CF8M; Investment Cast 316 SST.	Size	DN8
	Spring Chamber	Standard: Cast bronze; ASTM B62, Alloy C83600. Optional: SST; ASTM A351, Gr.CF3M.	Pressure Drop	Pressure drops to 4700 psig (324 Barg).
	Diaphragm	302 SST, Neoprene, Elgiloy, Fluorocarbon Elast	Temperature	minus 29 to 205°C
	Suitable for	Natural Gas, Inert Gas, Sour Gas, Steam, Chemicals, Water	End Connections	NPT
			Pressure Reducing Regulators (other models available)	
Cashco - Model 8310HP 	Body/Spring Chamber Materials	CI/DI CS/CS	Size	DN40 to DN100
	Trim Designs	316 SST, double ported, metal or composition seated, inherently balanced. Metal or composition diaphragms.	Inlet Pressure	2.0" WC - 750 psig (51.7 Barg)
	Capacity	DN40 - 27 Cv DN50 - 40 Cv DN65 - 55 Cv DN80 - 78 Cv DN100 - 100Cv	Differential Pressure Range	8310HP-1+6: 10-100 psid (0.7-6.9 Bard). 8310HP-1+8: 10-100 psid (0.7-6.9 Bard).
	Suitable for	Steam atomization systems using heavy oil.	Min Pressure Drop	8310HP-1+6: 3 psid (0.2 Bard). 8310HP-1+8: 5 psid (0.3 Bard).
			Maximum Outlet Pressure	Normal Operation - 8310HP-1+6: 175 psig (12.1 Barg). 8310HP-1+8: 175 psig (12.1 Barg).
			Temperature	minus 254 to 204°C
			End Connections	NPT, Flanged
			Differential Pressure Reducing Regulators (other models available) Widely applied in steam atomization systems using heavy oil (Nos. 3-6, Bunker C) to fuel burners.	
Cashco - Model 5381 - Sanitary 	Body Material	SST	Size	DN15
	Surface Finish	Interior of body surface electropolished to 32 micro-inch Ra finish with electro-polished exterior.	Inlet Pressure	UP TO 600 psig (41.3 Barg)
	Max CV	0.5	Maximum Drop	400 psig (27.6 Barg)
	Adjustment Ease	Adjusting knob for frequent set point changes.	Temperature	minus 29 to 135°C
	Suitable for	Pharmaceutical health care products, Processed food production, Cosmetic productions, Specialty chemicals	Certification / Approvals	Sanitary
			End Connections	Sanitary Clamp
			Pressure Reducing Regulators (other models available)	

METAL VALVES

INDUSTRIAL VALVES

CASHCO VALVES				
	MATERIALS		SPECIFICATIONS	
	Part	Material		
Cashco - Model 6A00 	Body Material	CS (Zinc Plated) SST	Size	DN20 - DN300
	Casing / Element / Rim Material	SST	Temperature	0 to 60°C
	Optional	Temperature Sensor	Certification / Approvals	CE
	Suitable for	Flammable gases or vapor of flammable liquids	End Connections	NPT, Flanged
			Flame Arrestors (other models available) Its primary function is to allow the flow of gases or vapor of flammable liquids through the enclosure, but prevent the transmission of a flame. The element inside the housing provides an extinguishing barrier to the ignited vapor mixture by absorbing heat from the flame. The Model 6A00 is used as an independent safety system to ensure explosion protection.	
Cashco - Model 3700 	Body	ALUM, CS, 304 or 316 SST, DERAKEANE, HETRON	Size	DN400 to DN600
	Diaphragm Materials	FEP-TFE, FKM, Buna-N, EPDM	Set Point Pressure Range	Ranges between 0.79 and 21.81 oz/in2, depending on pallet material and line size.
			Temperature	FEP-TFE: minus 240 to 204°C FKM: minus 28 to 204°C Buna-N: minus 34 to 93°C EPDM: minus 40 to 107°C
			End Connections	ASME 150#, API 650 150#, DIN
			Emergency Vents (other models available) The Model 3700 manhole and emergency pressure vents provide emergency pressure relief beyond that furnished by the normal pressure vent for atmospheric and low pressure tanks, as well as providing a convenient access for tank cleaning, inspection and repair.	
Cashco - Model 1078 	Body Material	CS, SST ASTM A351 CF3M, Hastelloy C	Size	DN25 & DN50
	Diaphragm Case Material	Carbon Steel (Powder Coated), Stainless Steel, Hastelloy C®	Design Pressure	Maximum outlet pressure range 1-1/2" TO 6" WC (VAC) (3.7-14.8 MBAR)
	Max CV	up to 48	Maximum Back Pressure	25 psig (1.7 Bar)
	Suitable for	Storage Tank Blanketing	Temperature	FKM: minus 28 to 204°C Buna-N: minus 34 to 93°C EPDM: minus 40 to 107°C FFKM 1: minus 30 to 204°C FFKM 2: minus 40 to 204°C
			End Connections	NPT, Flanged
			Tank Blanketing Valve (other models available)	
Cashco - Model 4200 	Housing / Pallet Material	CS/316SST, 316SST/316SST, Aluminium/316SST	Size	DN25 & DN50
	Diaphragm Material	FEP-TFE, FKM, Buna-N, EPDM	Pressure Set Point	Reffer data sheet
	Gaskets	TFE/TFE Rope	Vacuum Set Point	Reffer data sheet
			Temperature	FKM: minus 28 to 204°C Buna-N: minus 34 to 93°C EPDM: minus 40 to 107°C FFKM 1: minus 30 to 204°C FFKM 2: minus 40 to 204°C
			End Connections	NPT, Flanged
			Tank Vents (other models available including Pilot Operated) The Model 4200 pipe-away conservation vent is part of the Valve Concepts, Inc. modular vent product line. The Model 4200 can easily be converted to a vacuum only vent or end-of-line pressure / vacuum vent and can either be direct acting or pilot operated. Only Valve Concepts, Inc. offers complete modularity throughout its complete vent product line.	