



# Valves

## A-Gate Brass Gate Valve - AGVFF



MATERIALS	
PART	MATERIAL
Body	Brass
Bonnet	Brass
Wedge	Brass
Stem	Brass
Hand Wheel	Ductile Iron
Threading	ISO 228

SPECIFICATIONS	
Thread	BSP
MAX Working Temperature	180°C
Cold Working Pressure	16 bar
Size	15-100 NB

## DZR Gate Valve - MVBGT



MATERIALS	
PART	MATERIAL
Body	DR Brass
Bonnet	DR Brass
Wedge	DR Brass
Stem	DR Brass
Hand Wheel	Ductile Iron
Packing	Graphoil
Threading	BS21 Rp

SPECIFICATIONS	
Thread	BSP
MAX Working Temperature	180°C
Cold Working Pressure	16 bar
Size	15-100 NB

Tee handle available on request.

## Stainless Steel Gate Valve - HSGAVSS



MATERIALS	
PART	MATERIAL
Stem	316 Stainless Steel
Body	CF8M
Bonnet	CF8M
Wedge	CF8M
Gasket	PTFE

SPECIFICATIONS	
Thread	BSP
MAX Working Temperature	180°C
Cold Working Pressure	14 bar
Size	15-50 NB

## Gate Valve Flanged OS&amp;Y - MVCI



MATERIALS	
PART	MATERIAL
Body	Ductile Iron
Disc	EPDM Coated Ductile Iron
Handwheel	Ductile Iron

SPECIFICATIONS	
Ends	Flanged AS2129 Table E
End Options	Straight or Elbow Ends
MAX Cold Working Temperature	90°C
Size	80-300 NB

Other sizes available on request.



## CMO Stainless Steel Knife Gate Valve - CMVA

MATERIALS	
PART	MATERIAL
Body	CF8M
Gland Packing	Synthetic + PTFE
Gland	CF8M
Gate	316 Stainless Steel
Yoke	Steel
Hand Wheel	Ductile Iron
Stem	304 Stainless Steel
Clevis	CF8
Seat	EPDM

SPECIFICATIONS	
Flange	ANSI 150 & AS2129 T/E
MAX Working Temperature	90°C
Cold Working Pressure	5 to 10 Bar depending on size
Size	80-300 NB



## Fabri Stainless Steel Knife Gate Valve (Bi-Directional Type) - FAV

MATERIALS	
PART	MATERIAL
Body	316 Stainless Steel
Gland Packing	Acrylic + PTFE
Gland	316 Stainless Steel
Gate	316 Stainless Steel
Yoke	304 Stainless Steel
Hand Wheel	Cast Iron
Stem	304 Stainless Steel
Clevis	304 Stainless Steel
Seat	White EPDM

SPECIFICATIONS	
MAX Working Temperature	138°C
Cold Working Pressure	10.3 bar
Size	80-300 NB



## Stafsjo Stainless Steel Throughgoing Knife Gate Valve

MATERIALS	
PART	MATERIAL
Body	316 Stainless Steel
Gland Packing	PTFE
Gland	316 Stainless Steel
Gate	316 Stainless Steel
Yoke	304 Stainless Steel
Hand Wheel	Ductile Iron
Stem	420 Stainless Steel
Seat	PTFE with Viton o-ring

SPECIFICATIONS	
Flange	Various
MAX Working Temperature	180°C with Viton Seat
Cold Working Pressure	6 to 10 Bar depending on size
Size	80-800 NB

Indent only. Cast iron body available on request.



## Liquetec Bronze Globe Valve Screwed - LVS11



MATERIALS	
PART	MATERIAL
Body	LG2 Gunmetal Bronze
Bonnet	LG2 Gunmetal Bronze
Bonnet Nut	LG2 Gunmetal Bronze
Plug Disc	410 SS
Stem	CZ121 Brass
Gland	CZ121 Brass
Hand Wheel	Aluminium
Packing	PTFE

SPECIFICATIONS	
Thread	BSP
MAX Working Temperature	260°C
Cold Working Pressure	41 Bar
Size	8-50 NB

Applications – For use on normal steam conditions up to saturation temperature

## Liquetec Bronze Globe Valve Flanged - LVS12



MATERIALS	
PART	MATERIAL
Body	LG2 Gunmetal Bronze
Bonnet	LG2 Gunmetal Bronze
Bonnet Nut	LG2 Gunmetal Bronze
Plug Disc	LG2 Gunmetal Bronze
Stem	CZ121 Brass
Gland	CZ121 Brass
Hand Wheel	Aluminium
Packing	PTFE

SPECIFICATIONS	
Flanged undrilled	BSP
MAX Working Temperature	260°C
Cold Working Pressure	15 Bar
Size	15-50 NB

Applications – For use on normal steam conditions up to saturation temperature

## Stainless Steel Globe Valve - HSGLVSS

MATERIALS	
PART	MATERIAL
Body	316 Stainless Steel
Disc	316 Stainless Steel
Stem	316 Stainless Steel
Cap	316 Stainless Steel
Gasket	PTFE
Washer	316 Stainless Steel
Stem Packing	PTFE
Ring	316 Stainless Steel
Gland Ring	316 Stainless Steel
Hand wheel	Aluminium Alloy
Name Plate	Aluminium Alloy
Nut	304 Stainless Steel

SPECIFICATIONS	
Thread	BSP
MAX Working Temperature	180°C
Cold Working Pressure	14 Bar
Size	15-50 NB



## Stainless Steel Needle Valve - VMNV

MATERIALS	
PART	MATERIAL
Body	316 Stainless Steel
Bonnet & Stem	304 Stainless Steel
Stem Packing	PTFE
Gland & Nut	316 Stainless Steel
Handle	304 Stainless Steel

SPECIFICATIONS	
Thread	BSP
MAX Working Temperature	230°C
Cold Working Pressure	408 Bar
Size	6-25 NB



## Europa Brass Spring Check Valve - BVEC



MATERIALS	
PART	MATERIAL
Body	Brass CW 617N
Pin	Brass CW614N
Plate	304 Stainless Steel
Seat	NBR
Spring	302 Stainless Steel

SPECIFICATIONS	
Thread	BSP
MAX Working Temperature	80°C
Cold Working Pressure	Up to 25 Bar
Size	10-100 NB

Suitable for hot/cold water, oils.

Applications – Can be fitted in horizontal, vertical or oblique position.

## RUB Brass Spring Check Valve - BVVC



MATERIALS	
PART	MATERIAL
Body	Brass CW 617N
Plate	Polymeric resin
Seat	NBR
Spring	Stainless Steel AISI 302

SPECIFICATIONS	
Thread	BSP
MAX Working Temperature	80°C
Cold Working Pressure	up to 40 Bar
Size	8-100 NB

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.

## Foot Valve Strainer - BVVS



MATERIALS	
PART	MATERIAL
Body	Nylon
Mesh	304 Stainless Steel

SPECIFICATIONS	
Thread	BSP
MAX Working Temperature	80°C
Size	10-100 NB

Applications – To convert Europa & RUB. Spring check valves to foot valves.



## RUB Brass Swing Check Valve Metal Seat - BVCM

MATERIALS	
PART	MATERIAL
Body	Brass
Bonnet	Brass
Hinge Pin Nut	Brass

SPECIFICATIONS	
Thread	BSP
MAX Working Temperature	200°C
Cold Working Pressure	12 bar
Size	15-80 NB

For horizontal installation.  
Applications - oil, water.



## RUB Brass Swing Check Valve Soft Seat - BVCS

MATERIALS	
PART	MATERIAL
Body	Brass
Bonnet	Brass
Hinge Pin Nut	Brass

SPECIFICATIONS	
Seat	NBR
MAX Working Temperature	80°C
Cold Working Pressure	12 bar
Size	15-50 NB

For horizontal installation.  
Applications - oil, water.



## Stainless Steel Swing Check Valve - HSCV

MATERIALS	
PART	MATERIAL
Body	SS CF8M
Bonnet	SS CF8M
Hanger Pin	316 Stainless Steel
Disc	CF8M
Plug	316 Stainless Steel
Plug Gasket	PTFE

SPECIFICATIONS	
Thread	BSP
MAX Working Temperature	230°C
Cold Working Pressure	63 bar
Size	15-50 NB

Applications – water, oil, chemicals, corrosive environment and liquids.



## Stainless Steel In-line Spring Check Valve - VMCV

MATERIALS	
PART	MATERIAL
Body	316 Stainless Steel
Disc	316 Stainless Steel
Spring	316 Stainless Steel
Spring Cap	316 Stainless Steel
Cap	316 Stainless Steel
Joint Gasket	PTFE

SPECIFICATIONS	
Thread	BSP
MAX Working Temperature	180°C
Cold Working Pressure	63 bar
Size	15-50 NB

Socket weld available on request.  
Applications – water, oil, air, gases, chemicals, corrosive environment and liquids.



## A-Check Wafer Dual Plate Check Valve - ACVCI



MATERIALS	
PART	MATERIAL
Body	Cast Iron
Spring	316 Stainless Steel
Disc	Ductile Iron/ 316 Stainless Steel
Seat	EPDM
Shaft	304/316 Stainless Steel
Flange Gasket	EPDM

SPECIFICATIONS	
Fits Flanges	T/E, ANSI 125, PN16
MAX Working Temperature	80°C
Cold Working Pressure	16 Bar
Size	50-300 NB

## A-Check Wafer Swing Check Valve - ACVB



MATERIALS	
PART	MATERIAL
Body	Cast Iron
Spring	316 Stainless Steel
Disc	304/316 Stainless Steel
Seat	NBR
Shaft	304/316 Stainless Steel
Flange Gasket	NBR

SPECIFICATIONS	
Fits Flanges	T/E, ANSI 125, PN16
MAX Working Temperature	80°C
Cold Working Pressure	16 Bar
Size	50-300 NB

## A-Check Wafer Swing Check Valve - ACVSW



MATERIALS	
PART	MATERIAL
Body	Cast Iron
Spring	316 Stainless Steel
Disc	304 Stainless Steel
Seat	EPDM
Flange Gasket	EPDM
Hinge Pin	304 Stainless Steel

SPECIFICATIONS	
Flange	AS2129 T/E
MAX Working Temperature	80°C
Cold Working Pressure	16 Bar
Size	50-300 NB

Supplied complete with Rubber Flange Gasket.  
Applications – water & oil.



## A-Check Stainless Steel Wafer Check Dual Plate Valve - ACVSS

MATERIALS	
PART	MATERIAL
Body	316 Stainless Steel
Spring	316 Stainless Steel
Discs	316 Stainless Steel
Shaft	316 Stainless Steel
Seat	316 Stainless Steel

SPECIFICATIONS	
Flange to suit	ANSI 150
MAX Working Temperature	180°C
Cold Working Pressure	19 Bar
Size	50-200 NB

Viton seat available on request.



## Ball Check Valve - ACVBC

MATERIALS	
PART	MATERIAL
Body	Ductile Iron
Cover	Ductile Iron
Ball	Metal + NBR
Gasket	EPDM

SPECIFICATIONS	
MAX Working Temperature	80°C
Cold Working Pressure	16 Bar
Ends	BSP / AS2129 T/E & D
Size	50-300 NB

Applications – Waste Water Treatment Plants



## RUB Brass Y Strainer - BYS



MATERIALS	
PART	MATERIAL
Body & Cap	Brass
Mesh	Stainless Steel

SPECIFICATIONS	
Thread	BSP
MAX Working Temperature	110°C
Cold Working Pressure	up to 20 Bar
Size	15-65 NB

## Bronze Y Strainer - PYS



MATERIALS	
PART	MATERIAL
Body & Cap	Bronze
Mesh	Stainless Steel

SPECIFICATIONS	
Thread	BSP
MAX Working Temperature	170°C
Cold Working Pressure	up to 20 Bar
Size	15-50 NB

## Stainless Steel Y Strainer - ABVS

MATERIALS	
PART	MATERIAL
Body	316 Stainless Steel
Cap	316 Stainless Steel
Gasket	PTFE
Mesh	304 Stainless Steel

SPECIFICATIONS	
Thread	BSP
MAX Working Temperature	230°C
Cold Working Pressure	40 Bar
Size	15-50 NB



## Cast Iron Y Strainer - HWS

MATERIALS	
PART	MATERIAL
Body & Cover	Ductile Iron (epoxy coated)
Screen	304 Stainless Steel
Gasket	EPDM
Plug	Malleable Iron

SPECIFICATIONS	
Flanged	AS2129 T/E
MAX Working Temperature	80°C
Cold Working Pressure	16 Bar
Size	50-250 NB



## RUB S.84 Gas Ball Valve AGA Approved - MVGAS

MATERIALS	
PART	MATERIAL
Body	Brass (Nickel Plated)
Seat Retainer	Brass (Nickel Plated)
Seat	PTFE
Ball	Brass (Chromium plated)
Stem	Brass
Packing	Viton (Double O-Ring)
Lever	Geomet Coated Steel
Lever Retaining Nut	Brass (Nickel Plated)

SPECIFICATIONS	
Thread	BSPT Male/Female
Max Working Temperature	150°C
AGA Pressure Gas	8-50 NB 1500kPa 65-100 NB 2100kPa
Working Pressure Liquids	25 Bar
Size	8-100 NB

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



## Peakflo Brass Ball Valve - PV



MATERIALS	
PART	MATERIAL
Body	Brass (Nickel Plated)
Seat Retainer	Brass (Nickel Plated)
Seat	PTFE
Ball	Brass
Stem	Brass
Gland	Brass
Packing	Nitrile O ring
Lever	Stainless Steel (Plastic Coated)
Lever Retaining Nut	Stainless Steel

SPECIFICATIONS	
Thread	BSPP
MAX Working Temperature	60°C
Cold Working Pressure	PN16 to PN50 acc. to size
Size	8-100 NB

Applications – Irrigation services.

## RUB S.50 Brass Ball Valve Short Pattern - BVS



MATERIALS	
PART	MATERIAL
Body	Brass (Nickel Plated)
Seat Retainer	Brass (Nickel Plated)
Seat	PTFE
Ball	Brass (Chromium plated)
Stem	Brass
Packing	Viton (Double O Ring)
Lever	Geomet Coated Steel
Lever Retaining Nut	Geomet Coated Steel

SPECIFICATIONS	
Thread	BSPP MxF & FxF
MAX Working Temperature	170°C
Cold Working Pressure	30 Bar
Size	8-100 NB

T-handle / lockable handle available on request (see page 243).

## RUB S.51 Brass Ball Valve Long Pattern - BVT

MATERIALS	
PART	MATERIAL
Body	Brass (Nickel Plated)
Seat Retainer	Brass (Nickel Plated)
Seat	PTFE
Ball	Brass (Chromium plated)
Stem	Brass
Packing	Viton (Double O Ring)
Lever	Geomet Coated Steel
Lever Retaining Nut	Geomet Coated Steel

SPECIFICATIONS	
Thread	BSPP MxF & FxF
MAX Working Temperature	170°C
Cold Working Pressure	30 Bar
Size	8-100 NB

T-handle / lockable handle available on request (see page 243).



## RUB 3 Way Brass Ball Valve L & T Port - BVL/BVT

MATERIALS	
PART	MATERIAL
Body	Brass (Nickel Plated)
Seat Retainer	Brass (Nickel Plated)
Seat	PTFE
Ball	Brass (Chromium plated)
Stem	Brass
Gland	Brass
Packing	Viton (Double O Ring)
Lever	Painted Aluminium
Lever Retaining Nut	Plated Steel

SPECIFICATIONS	
Thread	BSPP
MAX Working Temperature	120°C
Cold Working Pressure	30-50 Bar
Size	15-50 NB



## Bonomi Robex Brass Triple Valve - BVR

MATERIALS	
PART	MATERIAL
Body	Brass
Seat Retainer	Brass
Seat	PTFE
Ball	Brass (Chromium plated)
Stem	Brass
Gland	Brass
Packing	Viton (Double O Ring)
Lever	Painted Aluminium
Lever Retaining Nut	Geomet Coated Steel

SPECIFICATIONS	
Thread	BSPP
MAX Working Temperature	100°C
Cold Working Pressure	up to 16 Bar
Size	15-50 NB

Combining a ball valve, check valve, test point & drain.



## RUB S.6405 Brass Ball Valve with Mounting Pad - BVSW



MATERIALS	
PART	MATERIAL
Body	Brass (Nickel Plated)
Seat Retainer	Brass (Nickel Plated)
Seat	PTFE
Ball	Brass (Chrome plated)
Packing	Viton (Double O Ring)
Lever	Optional - indent on Request

SPECIFICATIONS	
Thread	BSPP
Mounting	ISO Direct Mount
MAX Working Temperature	120°C
Cold Working Pressure	30-50 Bar
Size	15-50 NB

## RUB Brass Bib Cock - BVEK



MATERIALS	
PART	MATERIAL
Body	Brass (Nickel Plated)
Seat Retainer	Brass (Nickel Plated)
Seat	PTFE
Ball	Brass (Chrome plated)
Packing	Viton (Double O Ring)
Lever	Plated Aluminium
Lever Retaining Nut	Plated Steel

SPECIFICATIONS	
Thread	BSPP
MAX Working Temperature	80°C
Cold Working Pressure	up to 15 Bar
Size	10-25 NB

## Brass Ball Valve for Insulated Pipe - ABV



MATERIALS	
PART	MATERIAL
Body	Brass (Nickel Plated)
Seat Retainer	Brass (Nickel Plated)
Seat	PTFE
Ball	Brass (Chrome plated)
Packing	Viton (Double O Ring)
Lever	Geomet Coated Steel
Lever Retaining Nut	Geomet Coated Steel

SPECIFICATIONS	
Thread	BSPP
MAX Working Temperature	170°C
Cold Working Pressure	30 Bar
Size	15-25 NB

Other sizes available on request.



## Stainless Steel Full Bore Ball Valve 2 Piece - VMBVSS2

MATERIALS	
PART	MATERIAL
Body	316 Stainless Steel
Ball	316 Stainless Steel
Stem	316 Stainless Steel
Seat	RPTFE
Packing	PTFE
Lever	SS with Locking Device

SPECIFICATIONS	
Thread	BSPT
MAX Working Temperature	210°C
Cold Working Pressure	69 Bar
Size	8-80 NB

Applications – For air, water, hot/cold corrosive fluids in harsh environments.



## Stainless Steel Full Bore Ball Valve 3 Piece - VMBVSS

MATERIALS	
PART	MATERIAL
Body	316 Stainless Steel
Ball	316 Stainless Steel
Stem	316 Stainless Steel
Seat	RPTFE
Packing	PTFE
Lever	Stainless Steel with Locking Device

SPECIFICATIONS	
Thread	BSPT
MAX Working Temperature	210°C
Cold Working Pressure	69 Bar
Size	8-80 NB

Also available with socket weld ends.  
Applications – For air, water, hot/cold corrosive fluids in harsh environments.



## Stainless Steel Full Bore Ball Valve w/ Mounting Pad - VMBVISO

MATERIALS	
PART	MATERIAL
Body	316 Stainless Steel
Ball	316 Stainless Steel
Stem	316 Stainless Steel
Seat	RPTFE
Packing	Live Loaded PTFE
Lever	Stainless Steel with Locking Device

SPECIFICATIONS	
Thread	BSPT
MAX Working Temperature	210°C
Cold Working Pressure	69 Bar
Size	8-100 NB

To ISO5211.  
Also available with socket weld ends.  
Applications – For air, water, hot/cold corrosive fluids in harsh environments.



## A-Ball Stainless Steel Ball Valve 3 Piece - ABVSS

MATERIALS	
PART	MATERIAL
Body	316 Stainless Steel
Ball	316 Stainless Steel
Stem	316 Stainless Steel
Seat	RPTFE
Lever	SS with Locking Device

SPECIFICATIONS	
Ends	BSPT Socket Weld Pipe Socket Weld Tube
MAX Working Temperature	210°C
Cold Working Pressure	69 Bar
Size	8-80 NB



Applications – For air, water, hot/cold corrosive fluids in harsh environments.

## A-Ball Stainless Steel 3 Way Ball Valve L/T Port - ABVSSL/ABVSSST

MATERIALS	
PART	MATERIAL
Body	316 Stainless Steel
Ball	316 Stainless Steel
Stem	316 Stainless Steel
Seat	RPTFE
Lever	SS

SPECIFICATIONS	
Thread	BSPP
MAX Working Temperature	210°C
Cold Working Pressure	55 Bar
Size	10-50 NB



Steam seats available on request.

## Mech Wafer Butterfly Valve - VBFDW



MATERIALS	
PART	MATERIAL
Body	Ductile Iron
Handle	Ductile Iron
Stem	420 Stainless Steel
Disc	316 Stainless Steel
Seat	EPDM or NBR
Bushing	Epoxy Glass Fibre Composite
Notch Plate	316 Stainless Steel
O-Ring	EPDM or Nitrile

SPECIFICATIONS	
Flanges	AS2129 D/E EN 1092 PN 10/16 ANSI 125/150
Cold Working Pressure	1600 Kpa
MAX Working Temperature EPDM	EPDM 110°C
MAX Working Temperature Nitrile	Nitrile 80°C
Size	50-300 NB

Gear boxes available on request.

## Mech Lugged Wafer Butterfly Valve - VBFDL



MATERIALS	
PART	MATERIAL
Body	Ductile Iron
Handle	Ductile Iron
Stem	420 Stainless Steel
Disc	316 Stainless Steel
Seat	EPDM or NBR
Bushing	Epoxy Glass Fibre Composite
Notch Plate	316 Stainless Steel
O-Ring	EPDM or Nitrile

SPECIFICATIONS	
Flanges	AS2129 E EN 1092 PN 16
Cold Working Pressure	1600 Kpa
MAX Working Temperature EPDM	EPDM 110°C
MAX Working Temperature Nitrile	Nitrile 80°C
Size	50-300 NB

Gear boxes available on request.

A full range of pneumatic & electric actuation options is available



## Bray Series 30 / 31 Butterfly Valves 1 Piece Body - BRVW30 / BRVL31

MATERIALS	
PART	MATERIAL
Body	Cast Iron ASTM A126 Class B
Handle	Ductile Iron ASTM A536
Stem	SS316
Disc	SS316 or NDI
Seat	EPDM/NBR
Stem Bushing	Acetal (Delrin)
Notch Plate	Nickel Plated Steel
Stem Seal	EPDM or Nitrile

SPECIFICATIONS	
Cold Working Pressure sizes 50-300mm	1200 Kpa
MAX Working Temperature EPDM	EPDM 121°C
MAX Working Temperature Nitrile	Nitrile 100°C
MAX Working Temperature Viton	Viton 204°C
Size	50-300 NB

Wafer bodies suitable for BS10 T/D, T/E & ANSI 125 flanges. BS10 T/E Lugged bodies are Tapped Metric. ANSI 150 bodies are Tapped UNC. Sizes 350-500mm available on request.



## Bray Series 20 / 21 Piece Body - BRVW20 / BRVL21

MATERIALS	
PART	MATERIAL
Body	Cast Iron ASTM A126 Class B
Handle	Ductile Iron ASTM A536
Stem	SS316
Disc	SS316 or NDI
Seat	EPDM/NBR
Stem Bushing	Acetal (Delrin)
Notch Plate	Nickel Plated Steel
Stem Seal	EPDM or Nitrile

SPECIFICATIONS	
Cold Working Pressure sizes 50-300mm	1200 Kpa
MAX Working Temperature EPDM	EPDM 121°C
MAX Working Temperature Nitrile	Nitrile 100°C
MAX Working Temperature Viton	Viton 204°C
Size	25-300 NB

Gear Operators available on request. These bodies have special Nylon 11 coating for high corrosion protection. Wafer bodies suitable for BS10 T/D & T/E flanges. Available also with PTFE Seats, PTFE Encapsulated Discs and EPDM Encapsulated Discs.



## Bray Pneumatic Actuators, Proximity Sensors & Positioners

Spring return actuators available as fail open or fail close.



## VYC Relief Valves Model 095 - VYCO95AP

MATERIALS LIST	
PART	MATERIAL
Type	AP – Open Cap with Lever
Design	ISO 4126-1:2004
Complies with	Directive 97/23/EC & ATEX 94/9/CE
Body & Trim Material	Brass EN-CW617N
Connections	BSP M/F
Seat	PTFE

SPECIFICATIONS AP	
Pressure Range Air & Gases	0.5 to 16 Bar
Pressure Range Steam	0.5 to 13 Bar
MAX Temperature	230°C
Size	15-50 NB



## VYC Relief Valves Model 095 - VYCO95ES

MATERIALS LIST	
PART	MATERIAL
Type	ES – Closed Cap
Design	ISO 4126-1:2004
Complies with	Directive 97/23/EC
Body & Trim Material	Brass EN-CW617N
Connections	BSP M/F
Seat	PTFE

SPECIFICATIONS ES	
Pressure Range Liquids	0.5 to 16 Bar
Pressure Range Steam	0.5 to 13 Bar
MAX Temperature	230°C
Size	15-50 NB



## VYC Relief Valve Model 695 AV - VYC695AV

MATERIALS LIST	
PART	MATERIAL
Type	AV – Closed Cap
Design	ISO 4126-1:2004
Complies with	Directive 97/23/EC
Body Material	Brass EN-CW617N
Connections	BSP M/F
Seat	Viton

SPECIFICATIONS	
Pressure Range Liquids	0.5 to 36 Bar
Temperature	150°C
Size	15 NB



Flanged versions & larger sizes available on indent.





## Luxor Flexible Hoses - LHS



MATERIALS	
PART	MATERIAL
Hose	Silicon
Braided Outer	316 Stainless Steel
Ends	Chrome Plated Brass
Gaskets	EPDM or Fibre

SPECIFICATIONS	
Threads	BSP Union Ends
End Options	Straight or Elbow Ends
Max Pressure	PN10
Max Temperature	90oC
Length	400mm / 600mm
Size	15 - 25NB

Other sizes available on request

## HerzCON PICV Fan Coil Connection Assembly - VHC



MATERIALS	
PART	MATERIAL
Component Body Material	DZR Brass
Trim	316 Stainless Steel
Valve Seats	PTFE
Membranes	EPDM
O Rings	EPDM
Insulation Cover	Polystyrene

SPECIFICATIONS	
Threads	BSP
Configuration	Herz PIBCV (manual as standard), Strainer c/w Blow Down / Drain Valve, 2 x 3 Way Isolating Valves, and Binda Test Points
Options	On/Off, 3-Point or Modulating 0-10V DC Actuating or Motoric Drives can be fitted and intergrated to any BMS system if required.
Max Pressure	PN16
Max Temperature	130oC
Flow Rate	0.045 - 0.205 l/sec
Size	15 - 20NB

Other sizes available on request.  
The HerzCON is sized to suit your given flow rate





## Herz Isolating Regulating Valve Fixed Orifice - HVS

MATERIALS	
PART	MATERIAL
Body	DR Brass
Balancing cone	DR Brass
Disc O-ring	EPDM
Disc Stem	DR Brass
Stem O-ring	EPDM
Stem	Brass
Bonnet	DR Brass
Handwheel	ABS
Test point / plug	DR Brass

SPECIFICATIONS	
Thread	BSP
Design	BS7350
MAX Working Temperature	120°C
MAX Working Pressure	20 Bar
Size	15-50 NB

Herz Fig 4017M with Digital Presetting Display in Handwheel



## Herz Isolating Regulating Valve Variable Orifice - HVS

MATERIALS	
PART	MATERIAL
Body	DR Brass
Balancing cone	DR Brass
Disc O-ring	EPDM
Disc Stem	DR Brass
Stem O-ring	EPDM
Stem	Brass
Bonnet	DR Brass
Handwheel	ABS
Test point / plug	DR Brass

SPECIFICATIONS	
Thread	BSP
Design	BS7350
MAX Working Temperature	120°C
MAX Working Pressure	20 Bar
Size	65-80 NB

Herz Fig 4017M with Digital Presetting Display in Handwheel



## Herz Isolating Regulating Valve Variable Orifice - HVS

MATERIALS	
PART	MATERIAL
Body	Cast Iron GKL250
Balancing cone	CI EPDM Coated
Stem	Brass/SS
Stem O-ring	EPDM
Bonnet	Cast Iron GKL250
Handwheel	DI
Test point / plug	DR Brass

SPECIFICATIONS	
Flanged	PN16
Design	BS7350
MAX Working Temperature	130°C
MAX Working Pressure	16 Bar
Size	65-150 NB

Herz Fig 4218 GMF with Digital Presetting Display in Handwheel



## Herz Radiator Valves Type DR-T-90 - HVR/HVT

MATERIALS	
PART	MATERIAL
Body	Nickel Plated Brass
Seat	EPDM
Cone	Brass
Handwheel	ABS

SPECIFICATIONS	
Thread	BSP
MAX Working Temperature	120°C
MAX Working Pressure	16 Bar
Size	15-25 NB

Control heads available on request.  
Radiator Control valves with Pre-setting Function.  
Suitable for Conversion to Thermostatic Operation.



## Frese Alpha Automatic Balancing Valves - FVA

MATERIALS	
PART	MATERIAL
Body	DR Brass
Cap	DR Brass
Orings	EPDM
Cartridge	Nickel Plated brass
Diaphragm	HNBR
Spring	Stainless Steel
Test Points	DR Brass

SPECIFICATIONS	
Ends	ISO228
Diff. Pressure Range	7-600 kPa
MAX Working Temperature	120°C
Pressure Class	25 Bar
Size	15-50 NB

Cartridge and Orifice additional and sized to suit flow.



## Frese Alpha Automatic Balancing Valve Wafer Ends - FVA

MATERIALS	
PART	MATERIAL
Body	DI GGG-40
Orings	EPDM
Cartridge Body	Nickel Plated brass
Diaphragm	HNBR
Spring	Stainless Steel
Test Points	DR Brass

SPECIFICATIONS	
Ends	Wafer
Diff. Pressure Range	13-600 kPa
MAX Working Temperature	110°C
Pressure Class	25 Bar
Size	50-150 NB

Cartridge and Orifice additional and sized to suit flow.



## Frese S Automatic Balancing Valve Adjustable Orifice - FS

MATERIALS	
PART	MATERIAL
Body	DR Brass
DP Controller	PPS 40% glass
Orings	EPDM
Flow Setting	PPO
Diaphragm	HNBR
Spring	Stainless Steel
Test Points	DR Brass

SPECIFICATIONS	
Ends	ISO228
Diff. Pressure Range	8-400 kPa
MAX Working Temperature	120°C
Pressure Class	25 Bar
Size	15-50 NB

Cartridge and Orifice additional and sized to suit flow.



## Frese Optima PICV Control Valve - FVOHF



MATERIALS	
PART	MATERIAL
Housing & Flow Setting	DR Brass
DP Controller	PPS 40% Glass
Orings	EPDM
Diaphragm	HNBR
Spring	Stainless Steel
Test Points	DR Brass

SPECIFICATIONS	
Ends	BSP
Diff. Pressure Range	400 kPa
MAX Working Temperature	120°C
Pressure Class	25 Bar
Size	15-50 NB

## Frese Optima Electro-Mechanical Actuators - FOA53



Technical Data-To Suit Valve Sizes 15-32mm	
Protection Class	IP 40 to EN 60529
Frequency	50/60Hz
Control Signal	0-10VDC or 3 Position
Actuating Force	250N
Running Time	75s or 150s
Manual Operation	3mm Hex Key
Weight	350g

Technical Data-To Suit Valve Sizes 40-50mm	
Protection Class	IP 54 to EN 60529
Frequency	50Hz
Control Signal	0-10VDC, or 3 Position
Actuating Force	400N
Running Time	43s or 170s
Manual Operation	Handle
Weight	600g

Electrical, Modulating, Normally Closed

## Frese Optima Compact PICV Control Valve - FVOC53



MATERIALS	
PART	MATERIAL
Housing & Flow Setting	DR Brass
DP Controller	PPS 40% Glass
Orings	EPDM
Diaphragm	HNBR
Spring	Stainless Steel
Test Points	DR Brass

SPECIFICATIONS	
Ends	BSP
Max Diff. Pressure	400 kPa
MAX Working Temperature	120°C
Pressure Class	25 Bar
Size	10-32 NB

## Frese Optima 'Compact' Thermo Actuators - FOA48/FOA53

Modulating 0-10V To Suit Valve Sizes 15-32mm	
Protection Class	IP40
Frequency	50/60Hz
Control Signal	0-10V DC or 3 Pos.
Actuating Force	100N
Running Time	75s & 150s
Manual Operation	3mm Key
Weight	350g

On/Off 24V & 230V To Suit Valve Sizes 15-32mm	
Protection Class	IP54
Frequency	50/60Hz
Control Signal	0-10V DC or On/Off
Actuating Force	100N
Running Time	120s & 180S
Manual Operation	NA
Weight	100g

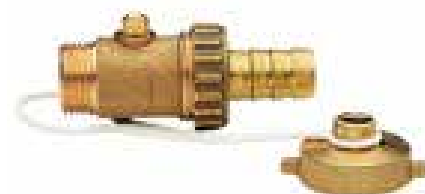


## Bonomi Fill & Drain Cock - BVD

MATERIALS	
PART	MATERIAL
Body & Ball	Brass
Seat	PTFE
Hose Tail & Cap	Brass

SPECIFICATIONS	
Thread	BSP
MAX Working Temperature	90°C
MAX Working Pressure	10 Bar
Size	15 NB

Complete with Hose Tail & Cap



## Frese Fill & Drain Cock in DZR material - FVD/FHU

MATERIALS	
PART	MATERIAL
Body & Ball	DR Brass
Seat	PTFE
Hose Tail & Cap	DR Brass

SPECIFICATIONS	
Thread	BSP
MAX Working Temperature	120°C
MAX Working Pressure	16 Bar
Size	15 NB



## Herz Binder Test Points - HVTP

MATERIALS	
PART	MATERIAL
Body	DR Brass
Seat	EPDM
Cap	DR Brass

SPECIFICATIONS	
Thread	BSP
MAX Working Temperature	120°C
MAX Working Pressure	16 Bar
Size	8 NB



## Frese Extended Binder Test Points - FPT



MATERIALS	
PART	MATERIAL
Body	DR Brass
Seat	EPDM
Cap	DR Brass

SPECIFICATIONS	
Thread	BSP
MAX Working Temperature	120°C
MAX Working Pressure	16 Bar
Size	8 NB

## Itap Manual Air Release Valve - HVAR



MATERIALS	
PART	MATERIAL
Body	Brass Nickel Plated
Oring	PTFE
Handle	ABS

SPECIFICATIONS	
Thread	BSP
MAX Working Temperature	110°C
MAX Working Pressure	10 Bar
Size	8 NB and 15 NB

## Herz Orifice Plate Stainless Steel Body - HOP



MATERIALS	
PART	MATERIAL
Body	SS A276 304
Extensions	SS A276 304
Test Points	DR Brass

SPECIFICATIONS	
Design	BS1042
Flow Accuracy to	BS7350
MAX Working Temperature	120°C
MAX Working Pressure	16 Bar
Size	65-250 NB



## Flamco Expansion Vessels - FLEV

MATERIALS		SPECIFICATIONS	
PART	MATERIAL	Thread	BSP
Vessel	Steel Epoxy Powder Coated	MAX Working Pressure	3 Bar
Diaphragm	Butyl Rubber	MAX Temp at Heating Outlet	120°C
Clench Ring	Steel Zinc Coated	MAX Temp at Diaphragm	70°C
		Size	8-80L

Flexcon vessels for heating & chilled water systems



## Flamco Expansion Vessels - FLEV

MATERIALS		SPECIFICATIONS	
PART	MATERIAL	Thread	BSP
Vessel	Steel Epoxy Powder Coated	MAX Working Pressure	6 Bar
Diaphragm	Butyl Rubber	MAX Temp at Heating Outlet	120°C
		MAX Temp at Diaphragm	70°C
		Size	110-1000L

Flexcon Vessels for Heating & Chilled water systems.



## Flexcon Tank Mounting Options - FLW



## Flamco Automat for Large Systems Giving Precise Control – Compressor Driven



### System comprises:

Vessel, Compressor Unit & Controller

Expansion Capacity from 400 to 3,500 Litres

## Flamco Flamcomat Multi Function System – Pump Driven



### System comprises:

Vessel, Pump Unit & Controller

Expansion Capacity from 150 to 10,000 Litres

## Flamco Flexvent Automatic Air Vent - FLAV

MATERIALS	
PART	MATERIAL
Body	Brass
Float	Plastic
Shut off valve	Brass/Butyl Rubber

SPECIFICATIONS	
Thread	BSP
MAX Working Temperature	120°C
MAX Working Pressure	10 Bar
Size	10-15 NB



## Flamco Prescor Safety Valves - FLSV

MATERIALS	
PART	MATERIAL
Body	Brass
Diaphragm	Reinforced Hi Temp Rubber

SPECIFICATIONS	
Thread	BSP
MAX Temperature	140°C
Size	15-32 NB

Pre-set Pressure, Membrane Seal, Quick Release, Non-Adjustable



## Flamco Funnel/Tundish - FLF

MATERIALS	
PART	MATERIAL
Body	Brass

SPECIFICATIONS	
Thread	BSP
Size	15-32 NB

Used on the outlet of all Safety Relief Valves as an Air Break & Visual Inspection



## Automatic Fill Set - FLAF



MATERIALS	
PART	MATERIAL
Pressure Reducing valve	Brass
Check Valve	Brass
Ball valves	Brass
Flex Hose	Rubber inner SS outer

SPECIFICATIONS	
Thread	BSP
MAX Inlet Pressure	15 Bar
Outlet Pressure Adjustable	1 to 4 bar
MAX Working Temperature	80°C
Size	15 NB

Comprising: Pressure Reducing Valve, Check Valve, 2 Ball Valves & Flex Hose

## Flamco Gauge - FLPGTG



MATERIALS	
PART	MATERIAL
Pressure Reducing valve	Brass
Check Valve	Brass
Ball valves	Brass
Flex Hose	Rubber inner SS outer

SPECIFICATIONS	
Thread	BSP
MAX Inlet Pressure	15 Bar
Outlet Pressure Adjustable	1 to 4 bar
MAX Working Temperature	80°C
Size	15 NB

Complete with Immersion Fitting & Shut Off valve

## Flamco Pressure Gauges - FLPG



MATERIALS	
PART	MATERIAL
Pressure Reducing valve	Brass
Check Valve	Brass
Ball valves	Brass
Flex Hose	Rubber inner SS outer

SPECIFICATIONS	
Thread	BSP
MAX Inlet Pressure	15 Bar
Outlet Pressure Adjustable	1 to 4 bar
MAX Working Temperature	80°C
Size	15 NB

## Flamco Flexfast Isolating Union - FLEX

MATERIALS	
PART	MATERIAL
Body	Brass

SPECIFICATIONS	
Thread	BSP
Size	20 NB

Enables disconnecting the vessel without draining the system or releasing the pressure.  
Suitable for vessels up to 25 litres.  
Has 20mm internal & 20mm external thread.



## Flamcovent Micro-Bubble Air Separator - FLAS

MATERIALS	
PART	MATERIAL
Body	Brass
Pall Rings	SS

SPECIFICATIONS	
Thread	BSP
MAX Working Temperature	120°C
MAX Working Pressure	10 Bar
Size	20-40 NB

For total evacuation of air from heating & cooling systems using Pall Rings & Coalescence Principle.



## Flamcovent Micro-Bubble Air Separator - FLAS

MATERIALS	
PART	MATERIAL
Body	Brass
Pall Rings	SS

SPECIFICATIONS	
Thread	BSP
MAX Working Temperature	120°C
MAX Working Pressure	10 Bar
Size	50-200 NB

For total evacuation of air from heating & cooling systems using Pall Rings & Coalescence Principle



## Flamco Flexair Air Separators - FLEXAIR

MATERIALS	
PART	MATERIAL
Body	Steel Epoxy Powder Coated
Flexvent	Brass

SPECIFICATIONS	
Ends Flanged	PN10
MAX Working Temperature	120°C
MAX Working Pressure	10 Bar
Size	65-150 NB

For evacuation of air from heating & cooling installations using Centrifuge Principle.  
Suitable for systems with high flow rates – up to 5 m/s,  
& for Glycol solutions up to 50%.



## Flamcovent Clean Air & Dirt Separators - FLASC



MATERIALS	
PART	MATERIAL
Body	Steel Epoxy Coated
Flexvent	Brass

SPECIFICATIONS	
Ends	Flanged PN10
MAX Working Temperature	120°C
MAX Working Pressure	10 Bar
Size	50-200 NB

Specially designed to remove solid particles as well as air from heating systems.

## Flexfiller Digital Pressurisation Units



Compact totally enclosed units with user friendly microprocessor for use with Flexcon Expansion Vessels. Provides a minimum system pressure requirement.

- The processor allows for low & high pressure monitoring & system diagnostics.
- Single or Dual Pump (standby) options.
- Compact wall or floor mount styles.
- Integral water break tank.
- Low water pump protection.
- Alarms for high & low water pressure.
- Output pressures up to 8 bar.
- Top up flow rates from 0.4 L/min to 30 L/min.
- Optional RS485 connectivity for use with BMS.



## Flamco Dosing Pot - FLDP

MATERIALS	
PART	MATERIAL
Body	Mild Steel
Valve	Brass

SPECIFICATIONS	
MAX Working Temperature	90°C
MAX Working Pressure	16 Bar
Size	6-25L

For chemical dosing of heating & cooling systems with manual air bleed valve.



Flamco products are available in solar options for high temperature service.



## RUB Fire Hydrant Landing Valve - BVFH



MATERIALS	
PART	MATERIAL
Body	Brass (Nickel Plated)
Seat Retainer	Brass (Nickel Plated)
Seat	PTFE
Ball	Brass (Chrome plated)
Stem	Brass
Packing	Viton (Double O Ring)
Lever	Geomet Coated Steel
Lever Retaining Nut	Geomet Coated Steel

SPECIFICATIONS	
Thread	BSPP
MAX Working Temperature	90 C
Cold Working Pressure	25 Bar
Size	65 NB

Male x Female available on request.  
AON Listed No. VAL-31. Brass Full Bore Ball valve with Lockable Lever Handle. Fire Hydrant Riser & Outlet Valve.

## RUB S.50 Lockable Ball Valve Short Pattern - BVSLH



MATERIALS	
PART	MATERIAL
Body	Brass (Nickel Plated)
Seat Retainer	Brass (Nickel Plated)
Seat	PTFE
Ball	Brass (Chrome plated)
Stem	Brass
Packing	Viton (Double O Ring)
Lever	Geomet Coated Steel
Lever Retaining Nut	Geomet Coated Steel

SPECIFICATIONS	
Thread	BSPP MxF & FxF
Working Temperature	170°C
MAX Working Pressure	30 Bar
Size	8-100 NB

## RUB S.51 Lockable Brass Ball Valve Long Pattern - BVTLH



MATERIALS	
PART	MATERIAL
Body	Brass (Nickel Plated)
Seat Retainer	Brass (Nickel Plated)
Seat	PTFE
Ball	Brass (Chrome plated)
Stem	Brass
Packing	Viton (Double O Ring)
Lever	Geomet Coated Steel
Lever Retaining Nut	Geomet Coated Steel

SPECIFICATIONS	
Thread	BSPP MxF & FxF
Working Temperature	170°C
MAX Working Pressure	30 Bar
Size	8-100 NB

## Monitored Butterfly Valve Screwed Ends - SVBV

MATERIALS	
PART	MATERIAL
Body	Ductile Iron
Disc	EPDM/ Coated Ductile Iron

SPECIFICATIONS	
Thread	BSPP
MAX Working Temperature	80°C
Cold Working Pressure	12 Bar



Factory Installed Double Tamper Switch.  
UL Listed FM Approved



## Monitored Butterfly Valve Grooved Ends – SVBV

MATERIALS	
PART	MATERIAL
Body	Ductile Iron
Disc	EPDM/ Coated Ductile Iron

SPECIFICATIONS	
Ends	Grooved
MAX Working Temperature	80°C
Cold Working Pressure	20 Bar
Size	65-200 NB



Factory Installed Double Tamper Switch –  
Indoor use. UL Listed FM Approved



## Check Valve Grooved Ends - SCV



MATERIALS	
PART	MATERIAL
Body	Ductile Iron
Disc	EPDM/ Coated Ductile Iron



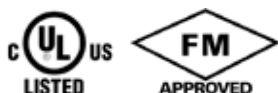
SPECIFICATIONS	
Ends	Grooved
MAX Working Temperature	70°C
Cold Working Pressure	21.4 Bar
Size	80-200 NB

Dual Plate Type, DI Body with Bronze Plates, EPDM seat. UL Listed FM Approved.

## Alarm Check Valve - GLACV



MATERIALS	
PART	MATERIAL
Body	Ductile Iron
Disc	EPDM/ Coated Ductile Iron



SPECIFICATIONS	
Ends	Grooved and flanged
MAX Working Temperature	70°C
MAX Cold Working Pressure	12 Bar
Size	100-150 NB

UL Listed FM Approved, H1 Flanged Ends, H2 Grooved Ends.

## Single Water Motor Alarm Gong Globe type - WM



MATERIALS	
PART	MATERIAL
Body	Cast aluminium
Bearing	Impeller polymer



SPECIFICATIONS	
Sound Level up to	105 dba
MAX Working Temperature	70°C
MAX Working Pressure	12 Bar
Size	20 NB

Cast Aluminium Body with Lightweight Impeller & Polymer Drive bearings. High Decibel Sound Levels. Complete with installation pipe & fittings. UL Listed FM Approved.

## Gate Valve Flanged OS&Y - VGADRS

MATERIALS	
PART	MATERIAL
Body	Ductile Iron
Disc	EPDM/ Coated Ductile Iron
Ends	Flanged AS2129 T/E



SPECIFICATIONS	
Certified to	UL / ULC / FM Approved
MAX Working Temperature	80°C
MAX Cold Working Pressure	14 Bar
Size	100-200 NB

Other sizes available on request.  
Can be fitted with Potter indoor Anti-tamper Switch,  
or Amtron Outdoor Anti-tamper Switch.



## Grooved End Gate Valve OS&Y - EMGG

MATERIALS	
PART	MATERIAL
Body	Ductile Iron
Disc	EPDM/ Coated Ductile Iron
Ends	Grooved



SPECIFICATIONS	
Certified to	UL / ULC / FM Approved
MAX Working Temperature	80°C
MAX Cold Working Pressure	14 Bar
Size	100-200 NB

Other sizes available on request.  
Can be fitted with Potter indoor Anti-tamper Switch,  
or Amtron Outdoor Anti-tamper Switch.



## UB 3 Way Needle Valve - UBV

MATERIALS	
PART	MATERIAL
Body	Bronze B584-C84400
Bonnet & Stem	Brass B16-C360000
Stem Packing	PTFE
Gland & Nut	Brass B16-C360000
Handle	CI



SPECIFICATIONS	
Thread	BSP
Cold Working Pressure	20 bar
MAX Working Temperature	230°C
Size	8 NB

UL Listed EX5330.



## Valmatic ABF Butterfly Valve - VBFD



MATERIALS	
PART	MATERIAL
Body	Ductile Iron FBE Coated
Disc	Ductile Iron FBE Coated
Shaft	316 Stainless Steel
Bearings	PTFE Impregnated Stainless Steel
Disc Seal	NBR
Seal Retainer	316 Stainless Steel
Fastenings	316 Stainless Steel

SPECIFICATIONS	
Flanges	Ub-Drilled
MAX Pressure	PN17
MAX Temperature	80°C
Certified to	AWWA C504
Size	250 - 600 NB

Other trims/pressure ratings available on request



## Valmatic Camcentric Plug Valve - VPD



MATERIALS	
PART	MATERIAL
Body	Ductile Iron FBE Coated
Packing	NBR Vee Packing
Bearing Seals	NBR Grit Guard (Patented)
Bearings	PTFE Impregnated Stainless Steel
Plug / Shaft	NBR Encapsulated Ductile Iron
Bolts	316 Stainless Steel

SPECIFICATIONS	
Flanges	Ub-Drilled
MAX Pressure	PN10
MAX Temperature	80°C
Certified to	AWWA C517 Certified
Size	80 - 300NB

Other sizes available on request.



## Valmatic Swingflex Check Valve - VCSF



MATERIALS	
PART	MATERIAL
Body	Ductile Iron FBE Coated
Cover	Ductile Iron FBE Coated
Disc	NBR Encapsulated Steel
Cover Bolts	316 Stainless Steel
Cover Gasket	Non-Asbestos Fibre

SPECIFICATIONS	
Flanges	Ub-Drilled
MAX Pressure	PN17
MAX Temperature	80°C
Certified to	AWWA C508 Certified
Size	80 - 600NB

Other sizes available on request



## Valmatic Surgebuster Check Valve - VCSB



MATERIALS	
PART	MATERIAL
Body	Ductile Iron FBE Coated
Cover	Ductile Iron FBE Coated
Disc	NBR Encapsulated Steel
Disc Accelerator	Stainless Steel
Cover Bolts	316 Stainless Steel
Cover Gasket	Non-Asbestos Fibre

SPECIFICATIONS	
Flanges	Ub-Drilled
MAX Pressure	PN17
MAX Temperature	80°C
Certified to	AWWA C508 Certified
Size	80 - 600NB

Other sizes available on request



## Valmatic Silent Check Valve - VCGS



MATERIALS	
PART	MATERIAL
Body	Cast Iron
Disc	Lead Free Bronze
Seat	Lead Free Bronze
Resilient Seat	(NBR / EPDM)
Spring	T316 Stainless Steel

SPECIFICATIONS	
Flanges	Ub-Drilled
MAX Pressure	PN17
MAX Temperature	80°C
Certified to	AWWA C508 Certified
Size	80 - 250NB

Other sizes available on request





## Valmatic Water Air Release Valve - VAN



MATERIALS	
PART	MATERIAL
Body	Ductile Iron FBE Coated
Cover	Ductile Iron FBE Coated
Float	316 Stainless Steel
Seal	NBR
Fastenings	316 Stainless Steel



SPECIFICATIONS	
Thread	NPT
MAX Pressure	PN12
MAX Temperature	80°C
Certified to	AWWA C512 Certified
Size	15-80 NB

Other sizes available on request.  
Air Valves should be sized to suit a required discharge capacity.

## Valmatic Water Air Vacuum Valve - VAV



MATERIALS	
PART	MATERIAL
Body	Ductile Iron FBE Coated
Cover	Ductile Iron FBE Coated
Float	316 Stainless Steel
Seal	NBR
Fastenings	316 Stainless Steel



SPECIFICATIONS	
Thread	NPT
MAX Pressure	up to PN20
MAX Temperature	80°C
Certified to	AWWA C512 Certified
Size	50-80 NB

Other sizes available on request.  
Air Valves should be sized to suit a required discharge capacity.

## Valmatic Water Combination Air Valve - VAC



MATERIALS	
PART	MATERIAL
Body	Ductile Iron FBE Coated
Cover	Ductile Iron FBE Coated
Float	316 Stainless Steel
Seal	NBR
Fastenings	316 Stainless Steel



SPECIFICATIONS	
Thread	NPT
Max Pressure	up to PN20
Max Temperature	80°C
Certified to	AWWA C512 Certified
Size	25-80 NB

Other sizes available on request.  
Air Valves should be sized to suit a required discharge capacity.

## Valmatic Wastewater Air Release Valve - VAN

MATERIALS	
PART	MATERIAL
Body	Ductile Iron FBE Coated
Cover	Ductile Iron FBE Coated
Float	316 Stainless Steel
Seal	NBR
Fastenings	316 Stainless Steel

SPECIFICATIONS	
Thread	NPT
Max Pressure	PN10
Max Temperature	80°C
Certified to	AWWA C512 Certified
Size	Available on request

Air Valves should be sized to suit a required discharge capacity.



## Valmatic Wastewater Air Vacuum Valve - VAV

MATERIALS	
PART	MATERIAL
Body	Ductile Iron FBE Coated
Cover	Ductile Iron FBE Coated
Float	316 Stainless Steel
Seal	NBR
Fastenings	316 Stainless Steel

SPECIFICATIONS	
Thread	NPT
Max Pressure	PN10
Max Temperature	80°C
Certified to	AWWA C512 Certified
Size	Available on request

Air Valves should be sized to suit a required discharge capacity.



## Valmatic Wastewater Combination Air Valve - VAC

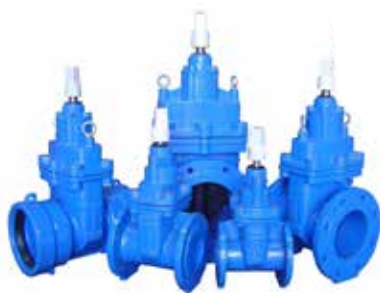
MATERIALS	
PART	MATERIAL
Body	Ductile Iron FBE Coated
Cover	Ductile Iron FBE Coated
Float	316 Stainless Steel
Seal	NBR
Fastenings	316 Stainless Steel

SPECIFICATIONS	
Thread	NPT
Max Pressure	up to PN20
Max Temperature	80°C
Certified to	AWWA C512 Certified
Size	25-100 NB

Other sizes available on request.  
Air Valves should be sized to suit a required discharge capacity.



## Asmuss Sluice Gate Valves - SVFA



MATERIALS	
PART	MATERIAL
Body	Ductile Iron FBE Coated
Bonnet	Ductile Iron FBE Coated
Wedge	EPDM / Ductile Iron
Cover Bolts	Stainless Steel
Bonnet Gasket	EPDM
Stem	Stainless Steel



SPECIFICATIONS	
Flanged or Socket Ends	AS 4087 Series 1 & 2 PVC
Max Pressure	PN16
Max Temperature	80°C
Certified to	AS2638.2 Watermark Approval
Operation	Anti-Clockwise & Clockwise Closing Options
Size	50-600 NB

Other sizes available on request.

## Asmuss House Connection Service Valves - DIHSV

MATERIALS	
PART	MATERIAL
Body	Ductile Iron FBE Coated
Bonnet	Ductile Iron FBE Coated
Wedge	EPDM / Ductile Iron
Cover Bolts	Stainless Steel
Bonnet Gasket	EPDM
Stem	Stainless Steel

SPECIFICATIONS	
Threaded Ends / Restraint Fittings	BSP / to Suit PE Pipe
Max Pressure	PN16
Max Temperature	80°C
Configuration	Straight and Angle Type
Operation	Clockwise Closing
Size	DN50 / 63 OD PE

Other sizes available on request.



## Asmuss Fire Hydrants - DIFH



MATERIALS	
PART	MATERIAL
Body	Ductile Iron
Disc	Ductile Iron
Stopper	NBR / EPDM

SPECIFICATIONS	
Flanges	80mm
Max Pressure	PN16
Max Temperature	80°C
Standard	BS 750
Size	80 NB

Other sizes available on request.

## Asmuss A Disc Wafer Butterfly Valve - ADVWE

MATERIALS	
PART	MATERIAL
Body	Cast Iron FBE Coated
Shaft	416 Stainless Steel
Disc	316 Stainless Steel or Ductile Iron ENP Coated
Fastenings	Stainless Steel
Operation	Lever or Gear Operated

SPECIFICATIONS	
Wafer Pattern	to suit AS2129 Table E
Max Pressure	PN16
Max Temperature	80°C
Size	50-600 NB

Other sizes available on request.



## Asmuss A Disc Lugged Butterfly Valve - ADVLE

MATERIALS	
PART	MATERIAL
Body	Cast Iron FBE Coated
Shaft	416 Stainless Steel
Disc	316 Stainless Steel or Ductile Iron ENP Coated
Fastenings	Stainless Steel
Operation	Lever or Gear Operated

SPECIFICATIONS	
Lugged Pattern	to suit AS2129 Table E
Max Pressure	PN16
Max Temperature	80°C
Size	50 - 600 NB

Other sizes available on request.



## Neway Gate Valve Forged Steel - VGAC800



MATERIALS	
PART	MATERIAL
Body	Carbon Steel
Gate	316 Stainless Steel
Stem	316 Stainless Steel
Packing	Graphite
Trim	API Trim 16

SPECIFICATIONS	
Type	API 602
Ends	NPT SWF
Pressure	Up to 135 Bar
Temperature	-29 to 538°C
Size	15-50 NB

Other trims/pressure ratings available on request

## Neway Globe Valve Forged Steel - VGLC800



MATERIALS	
PART	MATERIAL
Body	Carbon Steel
Gate	316 Stainless Steel
Stem	316 Stainless Steel
Packing	Graphite
Trim	API Trim 16

SPECIFICATIONS	
Type	API 602
Ends	NPT SWF
Pressure	Up to 135 Bar
Temperature	-29 to 538°C
Size	15-50 NB

Other trims/pressure ratings available on request

## Neway Globe Valve Forged Steel - VCPC800



MATERIALS	
PART	MATERIAL
Body	Carbon Steel
Gate	Carbon Steel
Springs	Inconel X750
Trim	API Trim 16

SPECIFICATIONS	
Type	API 602
Ends	NPT SWF
Pressure	Up to 135 Bar
Temperature	-29 to 538°C
Size	15-50 NB

Other trims/pressure ratings available on request

## Neway Gate Valve Cast Steel - VGAC

MATERIALS	
PART	MATERIAL
Body	Carbon Steel
Gate	Carbon Steel
Stem	410 Stainless Steel (F6A) 17-4PH
Packing	Graphite PTFE
Trim	"API Trim 8 API Trim 5"

SPECIFICATIONS	
Type	API 600
Flanges	ANSI 150, 300 & 600
Pressure	Up to 100 Bar
Temperature	-29 to 538°C
Size	50-400 NB

Other sizes/pressure ratings available on request



## Neway Globe Valve Cast Steel - VGLC

MATERIALS	
PART	MATERIAL
Body	Carbon Steel
Plug	Carbon Steel
Stem	410 Stainless Steel
Packing	Graphite
Trim	API Trim 5

SPECIFICATIONS	
Type	API 600
Flanges	ANSI 150, 300 & 600
Pressure	Up to 100 Bar
Temperature	-29 to 538°C
Size	50-150 NB

Other sizes/pressure ratings available on request



## Neway Check Valve Cast Steel - VCSC

MATERIALS	
PART	MATERIAL
Body	Carbon Steel
Gate	Carbon Steel
Hinge Pin	410 Stainless Steel
Trim	API Trim 5

SPECIFICATIONS	
Type	API 600
Flanges	ANSI 150
Pressure	Up to 19 Bar
Temperature	-29 to 538°C
Size	50-100 NB

Other sizes/pressure ratings available on request



## Neway Check Valve Dual Plate - VCLC / VCW

MATERIALS	
PART	MATERIAL
Body	Carbon Steel
Gate	Carbon Steel
Stem	410 Stainless Steel
Springs	Inconel X750
Trim	API Trim 5

SPECIFICATIONS	
Type	API 594
Flanges	ANSI 150, 300 & 600
Pressure	Up to 100 Bar
Temperature	-29 to 538°C
Size	50-200 NB

Other sizes/pressure ratings available on request





## Neway Floating Ball Valve - VBAC



MATERIALS	
PART	MATERIAL
Body	Carbon Steel
Ball	Carbon Steel + ENP 316 Stainless Steel
Stem	Carbon Steel + ENP 316 Stainless Steel
Seat	Reinforced PTFE NYLON PEEK

SPECIFICATIONS	
Type	API 608
Flanges	ANSI 150 to 2500
Pressure	Up to 50 Bar
Temperature	-29 to 120°C
Firesafe	API 607
Size	25-150 NB

Other sizes/pressure ratings available on request

## Neway Floating Ball Valve NPT - VBAC



MATERIALS	
PART	MATERIAL
Body	Carbon Steel
Ball	316 Stainless Steel
Stem	316 Stainless Steel
Seat	Nylon 12 PEEK

SPECIFICATIONS	
Type	ASME B16.34 CL800,1500,2500
Ends	NPT/SWF
Pressure	Up to 430 Bar
Temperature	-29 to 200°C
Firesafe	API 607
Size	15-40 NB

Other sizes/pressure ratings available on request

## Neway Trunnion Ball Valve - VBAC600, 900, 1500, 2500



MATERIALS	
PART	MATERIAL
Body	Carbon Steel
Ball	Carbon Steel + ENP 316 Stainless Steel
Stem	Carbon Steel + ENP 316 Stainless Steel
Seat	Reinforced PTFE Nylon 12 PEEK

SPECIFICATIONS	
Type	API 6D
Flanges	ANSI 600 to 2500
Pressure	Up to 430 Bar
Temperature	-29 to 200°C
Firesafe	API 6FA
Size	50-200 NB

Other sizes/pressure ratings available on request

## Neway Carbon Steel 'Y' Strainer - VMYS



MATERIALS	
PART	MATERIAL
Body & Cover	Carbon Steel
Screen	304 Stainless Steel
Gasket	Graphite

SPECIFICATIONS	
Flanged	ANSI 150
MAX Working Temperature	537°C
Cold Working Pressure	19 Bar
Size	50-150 NB

Stainless Steel available on request.

## Bray Flow-Tek Triad Series Floating Ball Valve - BRVF

MATERIALS	
PART	MATERIAL
Body	Carbon Steel 316 Stainless Steel
Ball	316 Stainless Steel
Stem	316 Stainless Steel
Seat	RPTFE, Filtek®, PEEK

SPECIFICATIONS	
Type	API 600
Ends	Threaded Socket Weld Butt Weld Extended Socket Weld Extended Butt Weld ASME 150/300/600 Flanged
Pressure	Up to 150 Bar
Temperature	-29 to 240°C (Per seat selection)
Firesafe	API 607
Size	15 to 50NB

Indent only



## Bray Flanged Series Floating Ball Valve - BRVF

MATERIALS	
PART	MATERIAL
Body	Carbon Steel 316 Stainless Steel
Ball	316 Stainless Steel
Stem	316 Stainless Steel
Seat	RPTFE, Filtek®, PEEK

SPECIFICATIONS	
Type	ASME B16.34 CL800
Flange	ANSI 150, 300
Pressure	Up to 137 Bar
Temperature	-29 to 240°C (Per seat selection)
Firesafe	API 607
Size	15 to 300NB

Indent only



## Bray Series 30 / 31 Butterfly Valves 1 Piece Body - BRVW30 / BRVL31

Body	Cast Iron ASTM A126 Class B
Handle	Ductile Iron ASTM A536
Stem	SS316
Disc	SS316 or NDI
Seat	EPDM/NBR
Stem Bushing	Acetal (Delrin)
Notch Plate	Nickel Plated Steel
Stem Seal	EPDM or Nitrile

Cold Working Pressure sizes 50-300mm	1200 Kpa
MAX Working Temperature EPDM	EPDM 121°C
MAX Working Temperature Nitrile	Nitrile 100°C
MAX Working Temperature Viton	Viton 204°C
Size	50-300 NB

Wafer bodies suitable for BS10 T/D, T/E & ANSI 125 flanges. BS10 T/E Lugged bodies are Tapped Metric. ANSI 150 bodies are Tapped UNC. Sizes 350-500mm available on request.



## Metso Jamesbury Series 4000 Floating Ball Valve - NJ



MATERIALS	
PART	MATERIAL
Body	Carbon Steel
Ball	316 Stainless Steel
Stem	316 Stainless Steel
Seat	Xtreme®

SPECIFICATIONS	
Type	ASME B16.34 CL800
Ends	NPT SWF
Pressure	Up to 137 Bar
Temperature	-29 to 250°C
Firesafe	API 607
Size	15 to 50NB

Other body materials available on request

## Metso Jamesbury Series 9000 Floating Ball Valve - NJ



MATERIALS	
PART	MATERIAL
Body	Carbon Steel
Ball	316 Stainless Steel
Stem	316 Stainless Steel
Seat	Xtreme®

SPECIFICATIONS	
Type	ASME B16.34
Flanges	ANSI 150
Pressure	Up to 19 Bar
Temperature	-29 to 260°C
Firesafe	API 607, BS6755 Pt 2
Size	15 to 50NB

Other sizes/pressure ratings available on request

## Metso Neles RA Series Segmented Ball Valve - NJRA

MATERIALS	
PART	MATERIAL
Body	316 Stainless Steel
Segmented Ball	329 Stainless Steel + Chromium
Stem	329 Duplex Stainless Steel
Back Seal	Stainless Steel + PTFE
Packing	PTFE Graphite optional
Seats	Cobalt Based Alloy PTFE Optional
Bearing	PTFE + Stainless Steel Net

SPECIFICATIONS	
Type	V-Port Control Valve
Flanges	Flangeless, reduced bore, Metso face to face length Body Class 300/ PN 40
Pressure/Shut off Control	up to PN50 / PN35
Temperature	up to 600°C
Flow Characteristic	Equal Percentage
Approvals	Fire test to BS6755 and API607 4th edition
Options	Pneumatic Actuation, Limit Switch Pneumatic Positioner, Electro-Pneumatic Positioner (Smart)
Size	25-100 NB



Other sizes available on request.  
We have NelProf control valve sizing software to accurately size your control applications.

## Metso Neles L Series Triple Eccentric Butterfly Valve - NJL

MATERIALS	
PART	MATERIAL
Body	WCB Carbon Steel or 316 Stainless Steel
CF8M - 316 Stainless Steel"	329 Stainless Steel + Chromium
Disc	316 Stainless Steel
Stem	17-4Ph
Seat Ring	Hard chrome plated Incoloy 825
Bearing	AISI 316 + PTFE or cobalt based alloy

SPECIFICATIONS	
Flanges	ANSI 150 or ANSI 300
Model	LW Wafer or LG Lugged
Pressure	up to PN40
Temperature	up to 600°C
Material / Test Cert.	EN 10204-3.1B
Ap provals	Fire test to BS6755 and API607 4th edition
Options	Pneumatic Actuation, Limit Switch Pneumatic Positioner, Electro-Pneumatic Postioner (Smart)
Sizes	80 - 200 NB



Other sizes available on request.  
We have NelProf control valve sizing software to accurately size your control applications.

## Metso Neles GU Series Globe Control Valve - NJGU

MATERIALS	
PART	MATERIAL
Body	WCB - Carbon Steel or 316 Stainless Steel
Plug Set	410 Stainless Steel 630 Stainless Steel
Plug	410 Stainless Steel
Seat Ring	410 Stainless Steel
Stem	630 Stainless Steel + HCr
Seat Gasket Body Gasket	S/W Gasket 316 Stainless Steel + Graphite
Seat Ring	410 Stainless Steel
Packing Ring	PTFE + Carbon Fibre

SPECIFICATIONS	
Flanges	ANSI 150 or ANSI 300
Pressure	up to 5000 PSI
Temperature	standard trim 260°C up to 593°C
Cv Ratio	50 : 1
Flow Characteristics	Equal Percentage & Linear Options
Low Emission Option	Low emission gland packing with Live load spring
Actuator Options	Pneumatic Actuation, Limit Switch Pneumatic Positioner, Electro-Pneumatic Positioner (Smart)
Sizes	Available on Request



We have NelProf control valve sizing software to accurately size your control applications.

## Prisma Pneumatic Actuators - PRACT

MATERIALS LIST	
PART	MATERIAL
Body	Aluminium Rilsan coated both internally & externally
Valve mounting	ISO-5211
Switch mounting	VDI/VDE 3845 NAMUR
Torques for Double Acting @ 5.5 Bar Air supply	15.5 Nm – 4600 Nm
Torques for Spring Return @ 5.5 Bar Air supply	5.5 Nm – 4011 Nm

SPECIFICATIONS	
Design	Atex directive 94-9-EC
Rotation	90 degrees
MAX Working Pressure	8 Bar
Working Temperature	-32 to 90°C
Springs	Pre-loaded & captured
Stroke adjustment	From 85 to 92 degrees
Protection	IP67



Aluminium



Stainless Steel



Polyamide

## Prisma Limit Switch - PRCFC

MATERIALS LIST	
PART	MATERIAL
Material	Polyester coated Aluminium

SPECIFICATIONS	
Protection	IP67
Terminal Connections	8 Terminal connections
Position Indication	Coloured with "Open" or "Close"





## Eurotec Solenoid Valve - BSV

MATERIALS LIST	
PART	MATERIAL
Material	Polyamide or Aluminium

SPECIFICATIONS	
Protection	IP65 with cable plug
Voltage	24 DC, 24/110/230 AC 50-60 Hz
Connections	3/2, 5/2, & 5/3
Port Size	Threaded 1/4"



## Analogue Positioner P/P or I/P - YTC

MATERIALS LIST	
PART	MATERIAL
Material	Aluminium

SPECIFICATIONS	
Action	Single or Double acting
Input Signal	3-15 psi or 4-20mA
Supply Pressure	140-700 kPa
Air Connections	1/4" NPT
Conduit Entry	G 1/2"
Enclosure	IP66
Weight	2.7 Kg



Options: Open Close Feedback, Position feedback, Dome Cover

## Rotork Actuators & Controls

Available on request.



## I-Tork Electric Actuators – Rotary Quarter Turn - ITAQ

MATERIALS LIST	
PART	MATERIAL
Material	Polyamide or Aluminium

SPECIFICATIONS	
Voltages	110/220VAC, 1 Ph 50Hz & DC24V
	380/440VAC, 3 Ph 50/60Hz
Sizes – Torques Nm	25-9000
Housing Material	Powder Coated Aluminium
Enclosure	IP67
Limit Switches	Two or Four depending on size
Torque Switches	Two or Four depending on size
Space Heater	Yes
Adjustable Travel Stops	Yes
Manual Override	Yes
Position Indicator	Via large window
Thermal Overload	Yes
Conduit Entry	G 1/2"

Options: Explosion Proof, Watertight, Additional Switches, Potentiometer, Modulating card 4-20mA, Local Control etc



## Asmuss Industrial Solutions

Asmuss Industrial Solutions (AIS) is the new Division based out of the Taranaki Branch. AIS specialises in the manufacture, supply, installation and commissioning of Chemical Injection Systems, Hydrotest Units, Valve Maintenance/Actuation, Pumps, Instrumentation and Electrical. AIS also does onsite maintenance. Contact New Plymouth for more information.



## Instrumentation

A broad range of Instrumentation fittings, gauges and valves, from high pressure needle, plug and ball plug valves through to double block & bleed, injection and sampling valves.



## Pumps - Haskel / Williams / LMI

A broad range of pump solutions covering Pneumatic, Electric and Hydraulic, contact New Plymouth for more information.

