

+GF+ MANUAL VALVES

FOR CHEMICAL PROCESS APPLICATIONS








AsmuSS offers the broadest range of high quality thermoplastic valves available from stock in New Zealand. These valves are ideally suited for chemical handling and other corrosive or severe industrial applications.

As the design and use of plastic valves differs considerably from that of metal valves, AsmuSS can provide specialist technical assistance, site visits or demonstrations to help select the valve best suited to particular applications.

Most of the valves shown on this list can be considered to be available from stock, or with very short delivery times. Many other types, sizes or material options are also available on special order. Full technical literature on our complete valve range is available upon request. We welcome your specific enquiries.

All +GF+ Valves are of a modular construction. If the valve combination you require is not on our product list please contact us as we are likely to be able to build a valve to meet your requirements.

AsmuSS stock a comprehensive range of spare parts and accessories. Please contact us for more information.

| +GF+ 546 PRO DOUBLE UNION BALL VALVES | | | | | |
|---|---------------|-----------------|--|----------------|-----------------|
| | Code | Size (NB) mm | | Code | Size (NB) mm |
| PVC-U EPDM seals  | VGf546/015 | 15 | PVC-U FPM Seals  | VGf546FPM/015 | 15 |
| | VGf546/020 | 20 | | VGf546FPM/020 | 20 |
| | VGf546/025 | 25 | | VGf546FPM/025 | 25 |
| | VGf546/032 | 32 | | VGf546FPM/032 | 32 |
| | VGf546/040 | 40 | | VGf546FPM/040 | 40 |
| | VGf546/050 | 50 | | VGf546FPM/050 | 50 |
| | VGf546/065 | 65 | | VGf546FPM/065 | 65 |
| | VGf546/080 | 80 | | VGf546FPM/080 | 80 |
| | VGf546/100 | 100 | | VGf546FPM/100 | 100 |
| ABS EDPM Seals  | VGfABS546/015 | 15 | PVC-C FPM Seals  | VGfC546/015 | 15 |
| | VGfABS546/020 | 20 | | VGfC546/020 | 20 |
| | VGfABS546/025 | 25 | | VGfC546/025 | 25 |
| | VGfABS546/032 | 32 | | VGfC546/032 | 32 |
| | VGfABS546/040 | 40 | | VGfC546/040 | 40 |
| | VGfABS546/050 | 50 | | VGfC546/050 | 50 |
| | VGfABS546/065 | 65 | | VGfC546/065 | 65 |
| | VGfABS546/080 | 80 | | VGfC546/080 | 80 |
| | VGfABS546/100 | 100 | | VGfC546/100 | 100 |
| | Code | Size (OD) mm | | Code | Size (OD) mm |
| PP-h EPDM Seals  | VGfPP546E/020 | 20 | PVDF FPM Seals  | VGfPVDf546/020 | 20 |
| | VGfPP546E/025 | 25 | | VGfPVDf546/025 | 25 |
| | VGfPP546E/032 | 32 | | VGfPVDf546/032 | 32 |
| | VGfPP546E/040 | 40 | | VGfPVDf546/040 | 40 |
| | VGfPP546E/050 | 50 | | VGfPVDf546/050 | 50 |
| | VGfPP546E/063 | 63 | | VGfPVDf546/063 | 63 |
| | VGfPP546E/075 | 75 | | VGfPVDf546/075 | 75 |
| | VGfPP546E/090 | 90 | | VGfPVDf546/090 | 90 |
| | VGfPP546E/110 | 110 | | VGfPVDf546/110 | 110 |
| PP-h FPM Seals  | VGfPP546F/020 | 20 | | VGfPP546F/020 | 20 |
| | VGfPP546F/025 | 25 | | VGfPP546F/025 | 25 |
| | VGfPP546F/032 | 32 | | VGfPP546F/032 | 32 |
| | VGfPP546F/040 | 40 | | VGfPP546F/040 | 40 |
| | VGfPP546F/050 | 50 | | VGfPP546F/050 | 50 |
| | VGfPP546F/063 | 63 | | VGfPP546F/063 | 63 |
| | VGfPP546F/075 | 75 | | VGfPP546F/075 | 75 |
| | VGfPP546F/090 | 90 | | VGfPP546F/090 | 90 |
| | VGfPP546F/110 | 110 | | VGfPP546F/110 | 110 |



The +GF+ 546 is a full bore plastic ball valve designed with the most demanding applications in mind. The unique modularity of the valve allows customisation to exactly suit a customer's requirements.

A wide variety of construction materials are available.

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+GF+ 542 BALL VALVES

| | Code | Size (NB) mm | | | Code | Size (NB) mm |
|--|------------|-----------------|--|--|---------------|-----------------|
| 542 Ball Valve PVC-U, EPDM Seals  | VGf542/015 | 15 | 542 Ball Valve PVC-U, FPM Seals  | | VGf542FPM/015 | 15 |
| | VGf542/020 | 20 | | | VGf542FPM/020 | 20 |
| | VGf542/025 | 25 | | | VGf542FPM/025 | 25 |
| | VGf542/032 | 32 | | | VGf542FPM/032 | 32 |
| | VGf542/040 | 40 | | | VGf542FPM/040 | 40 |
| | VGf542/050 | 50 | | | VGf542FPM/050 | 50 |

+GF+ 546 PRO VENTED BALL VALVES

| | Code | Size (NB) mm | | | Code | Size (NB) mm |
|--|------|-----------------|--|--|------|-----------------|
|--|------|-----------------|--|--|------|-----------------|

Based on Georg Fischer's premium ball valve series, the vented ball valve is designed for applications such as chlorinated water, water where bleach (sodium hypochlorite solutions) is present, and other applications where liquids requiring out-gassing exist.* The special vent on one side of the ball allows for pressure to be released back into the closed system. This helps prevent potentially dangerous pressure from building up inside the valve. Since the valve is based on the type 546 series, virtually all of the same accessories are available.

*Chemical applications vary from system to system. Issues such as concentration, temperature, and pressure all play a role. It is the responsibility of the individual user to verify compatibility and recommend every application be verified and tested by internal experts or a third party.

| | | | |
|--|-------------|----|--|
| 546 Vented Ball Valve PVC-U, EPDM Seals  | VGf546V/015 | 15 | |
| | VGf546V/020 | 20 | |
| | VGf546V/025 | 25 | |
| | VGf546V/032 | 32 | |
| | VGf546V/040 | 40 | |
| | VGf546V/050 | 50 | |

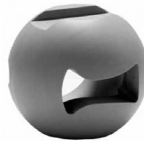
+GF+ 523 CONTROL BALL VALVES

| | Code | Size (NB) mm | | | Code | Size (NB) mm |
|--|------|-----------------|--|--|------|-----------------|
|--|------|-----------------|--|--|------|-----------------|

| | | |
|--|------------|----|
| 523 Metering Valve PVC-U, EPDM Seals  | VGf523/010 | 10 |
| | VGf523/015 | 15 |

Control Ball: Optional Feature

The Type 546 Control Ball is a keyed design and is available in PVC, CPVC, PP and PVDF. This ball is designed for applications requiring flow control. The keyed orifice provides a nearly linear flow characteristic curve and is superior to V-notch designs. This ball is not bidirectional. The required installation direction is to have the keyed orifice downstream. The Type 546 Control Ball can be added to any Type 546 Ball Valve within the available size range.

| | | |
|--|-----------|----|
| 546 Linear Control Valve Ball Only  To be used with 546 Ball Valve | 161491032 | 15 |
| | 161491034 | 25 |
| | 161491037 | 50 |








The +GF+323 Metering Valve is for fine throttling in low flow applications. Indicator permits pre-determined flow rates to be duplicated.

The +GF+546 Ball Valve when fitted with a control ball allows fine control and throttling of flows in sizes up to 50. The ball is specially designed to give a linear correlation between the angle of the handle and flow rate.

All +GF+ Valves are of a modular construction. If the valve combination you require is not on our product list please contact us as we are likely to be able to build a valve to meet your requirements.

Asmuss stock a comprehensive range of spare parts and accessories. Please contact us for more information.

+GF+ 561 CONE CHECK VALVES


| | Code | Size (NB) mm | | Code | Size (NB) mm |
|--|----------------|-----------------|---|--------------------|-----------------|
| 561 Cone Check PVC, EPDM Seals  | VGf561/015 | 15 | 561 Cone Check PP, EPDM Seals  | VGfPP561/020 | 20 |
| | VGf561/020 | 20 | | VGfPP561/025 | 25 |
| | VGf561/025 | 25 | | VGfPP561/032 | 32 |
| | VGf561/032 | 32 | | VGfPP561/040 | 40 |
| | VGf561/040 | 40 | | VGfPP561/050 | 50 |
| | VGf561/050 | 50 | | VGfPP561/063 | 63 |
| | VGf561/065 | 65 | | VGfPP561/075 | 75 |
| | VGf561/080 | 80 | | VGfPP561/090 | 90 |
| | VGf561/100 | 100 | | VGfPP561/110 | 110 |
| 561 Cone Check PVC, FPM Seals  | VGf561FPM/015 | 15 | 561 Cone Check PP, FPM Seals  | VGfPP561FPM/020 | 20 |
| | VGf561FPM/020 | 20 | | VGfPP561FPM/025 | 25 |
| | VGf561FPM/025 | 25 | | VGfPP561FPM/032 | 32 |
| | VGf561FPM/032 | 32 | | VGfPP561FPM/040 | 40 |
| | VGf561FPM/040 | 40 | | VGfPP561FPM/050 | 50 |
| | VGf561FPM/050 | 50 | | VGfPP561FPM/063 | 63 |
| | VGf561FPM/065 | 65 | | VGfPP561FPM/075 | 75 |
| | VGf561FPM/080 | 80 | | VGfPP561FPM/090 | 90 |
| | VGf561FPM/100 | 100 | | VGfPP561FPM/110 | 100 |
| 561 Cone Check ABS, EPDM Seals  | VGfABS561/015 | 15 | 561 Cone Check PVDF, FPM Seals  | VGfPPVDF561FPM/020 | 20 |
| | VGfABS561/020 | 20 | | VGfPPVDF561FPM/025 | 25 |
| | VGfABS561/025 | 25 | | VGfPPVDF561FPM/032 | 32 |
| | VGfABS561/032 | 32 | | VGfPPVDF561FPM/040 | 40 |
| | VGfABS561/040 | 40 | | VGfPPVDF561FPM/050 | 50 |
| | VGfABS561/050 | 50 | | VGfPPVDF561FPM/063 | 63 |
| | VGfABS561/065 | 65 | | | |
| | VGfABS561/080 | 80 | | | |
| | VGfABS561/100 | 100 | | | |
| 561 Cone Check CPVC, FPM Seals  | VGfC561FPM/015 | 15 | | | |
| | VGfC561FPM/020 | 20 | | | |
| | VGfC561FPM/025 | 25 | | | |
| | VGfC561FPM/032 | 32 | | | |
| | VGfC561FPM/040 | 40 | | | |
| | VGfC561FPM/050 | 50 | | | |
| | VGfC561FPM/065 | 65 | | | |
| | VGfC561FPM/080 | 80 | | | |
| | VGfC561FPM/100 | 100 | | | |

The new streamlined check cone and the refined geometry provide for a significantly improved flow compared to valves with a check ball, without compromising functionality or leak-tightness.

The self-closing mechanism operates autonomously, without any other energy source with a minimal line pressure.

The wide range of connecting options means easy integration of the valves in all piping systems.

+GF+ 562 SPRING CHECK VALVES

| | Code | Size (NB) mm |
|---|------------|-----------------|
| 562 Spring Check PVC-U, EPDM Seals  Standard offers SS 204 | VGf562/015 | 15 |
| | VGf562/020 | 20 |
| | VGf562/025 | 25 |
| | VGf562/032 | 32 |
| | VGf562/040 | 40 |
| | VGf562/050 | 50 |
| | VGf562/080 | 80 |
| | VGf562/100 | 100 |

- Any installation position is possible thanks to the spring.
- The 562 check valve is equipped with a spring mechanism and closes tightly even without a water column. Thanks to this new design feature, the valve can be built in either vertically or horizontally.
- A full range of material and seal options available. Springs available in Stainless Steel, Nimonic 90 & Nimonic 90 Halar Coated.
- Price on application

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| +GF+ 543 3 - WAY BALL VALVES | | | | | | | |
|---|-----------------|-----------------|--|--|--|------------------|----|
| | Code | Size (NB) mm | | | Code | Size (NB) mm | |
| PVC-U Horizontal/ LPort EPDM Seals  | VGf543/015 | 15 | | | PVC-U Horizontal/ TPort EPDM Seals  | VGf543T/015 | 15 |
| | VGf543/020 | 20 | | | | VGf543T/020 | 20 |
| | VGf543/025 | 25 | | | | VGf543T/025 | 25 |
| | VGf543/032 | 32 | | | | VGf543T/032 | 32 |
| | VGf543/040 | 40 | | | | VGf543T/040 | 40 |
| | VGf543/050 | 50 | | | | VGf543T/050 | 50 |
| PVC-C Horizontal/ LPort FPM Seals  | VGfC543FPM/015 | 15 | | | PVC-C Horizontal/ TPort FPM Seals  | VGfC543TFPM/015 | 15 |
| | VGfC543FPM/020 | 20 | | | | VGfC543TFPM/020 | 20 |
| | VGfC543FPM/025 | 25 | | | | VGfC543TFPM/025 | 25 |
| | VGfC543FPM/032 | 32 | | | | VGfC543TFPM/032 | 32 |
| | VGfC543FPM/040 | 40 | | | | VGfC543TFPM/040 | 40 |
| | VGfC543FPM/050 | 50 | | | | VGfC543TFPM/050 | 50 |
| ABS Horizontal/ LPort EPDM Seals  | VGfABS543/015 | 15 | | | ABS Horizontal/ TPort EPDM Seals  | VGfABS543T/015 | 15 |
| | VGfABS543/020 | 20 | | | | VGfABS543T/020 | 20 |
| | VGfABS543/025 | 25 | | | | VGfABS543T/025 | 25 |
| | VGfABS543/032 | 32 | | | | VGfABS543T/032 | 32 |
| | VGfABS543/040 | 40 | | | | VGfABS543T/040 | 40 |
| | VGfABS543/050 | 50 | | | | VGfABS543T/050 | 50 |
| | Code | Size (OD) mm | | | Code | Size (OD) mm | |
| PP-h Horizontal/ LPort EPDM Seals  | VGfPP543/020 | 20 | | | PP-h Horizontal/ TPort EPDM Seals  | VGfPP543T/020 | 20 |
| | VGfPP543/025 | 25 | | | | VGfPP543T/025 | 25 |
| | VGfPP543/032 | 32 | | | | VGfPP543T/032 | 32 |
| | VGfPP543/040 | 40 | | | | VGfPP543T/040 | 40 |
| | VGfPP543/050 | 50 | | | | VGfPP543T/050 | 50 |
| | VGfPP543/063 | 63 | | | | VGfPP543T/063 | 63 |
| PP-h Horizontal/ LPort FPM Seals  | VGfPP543FPM/020 | 20 | | | PP-h Horizontal/ TPort FPM Seals  | VGfPP543TFPM/020 | 20 |
| | VGfPP543FPM/025 | 25 | | | | VGfPP543TFPM/025 | 25 |
| | VGfPP543FPM/032 | 32 | | | | VGfPP543TFPM/032 | 32 |
| | VGfPP543FPM/040 | 40 | | | | VGfPP543TFPM/040 | 40 |
| | VGfPP543FPM/050 | 50 | | | | VGfPP543TFPM/050 | 50 |
| | VGfPP543FPM/063 | 63 | | | | VGfPP543TFPM/063 | 63 |

The new +GF+ 543 Ball Valve (replacing the 343 model) provides quality, flexibility and reliability in both horizontal and vertical versions. The horizontal version come with an L or T port and is available in PVC-U, PVC-C, ABS, PP-h and PVDF. The vertical version is available in PVC-U and ABS with a metric solvent cement spigot as the third outlet. Diverter balls are also an additional option.

All +GF+ Valves are of a modular construction. If the valve combination you require is not on our product list please contact us as we are likely to be able to build a valve to meet your requirements.

Asmuss stock a comprehensive range of spare parts and accessories. Please contact us for more information.

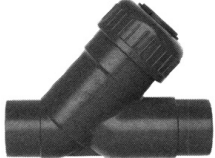
| +GF+ 591 VENT & BLEED VALVES | | | | | | |
|---|--------------|-----------------|--|--|--------------|-----------------|
| | Code | Size (OD) mm | | | Code | Size (OD) mm |
| Type 591 Valve PVC / EPDM Socket and NPT Ends  | VGF591E/015 | 15 | | PPH 591 Valve PP-h / EPDM Socket Fusion Ends  | VGFP591E/020 | 20 |
| | VGF591E/020 | 20 | | | VGFP591E/025 | 25 |
| | VGF591E/025 | 25 | | | VGFP591E/032 | 32 |
| | VGF591E/032 | 32 | | | VGFP591E/040 | 40 |
| | VGF591E/040 | 40 | | | VGFP591E/050 | 50 |
| | VGF591E/050 | 50 | | | VGFP591E/063 | 63 |
| | *VGF591E/065 | 65 | | | | |
| | *VGF591E/080 | 80 | | | | |
| *VGF591E/100 | 100 | | | | | |
| *Indent Item | | | | | | |
| PPH 591 Valve PP-h / FPM Socket Fusion Ends  | | | | VGFP591F/020 | 20 | |
| | | | | VGFP591F/025 | 25 | |
| | | | | VGFP591F/032 | 32 | |
| | | | | VGFP591F/040 | 40 | |
| | | | | VGFP591F/050 | 50 | |
| | | | | VGFP591F/063 | 63 | |
| | | | | | | |

The new Ventilating & Bleed Valves have an innovative PP-H float which has a very low density (.91g/cm3) ensuring reliable venting while preventing media overflow. The floats spherical sealing face lies absolutely flush with the seal ring.


+GF+ 595 VENTILATING VALVES

Available on request

The GF 595 Ventilating Valve is used wherever safe and controlled air inlet is a must, such as emptying tanks.


| +GF+ 303 WYE CHECK VALVES | | | |
|--|------------|-----------|----|
| | Code | Size (mm) | |
| | | NB | OD |
| 303 Wye Check Valve PVC-U, EDPM Seals Metric Spigot ends  | VGF303/015 | 15 | 20 |
| | VGF303/020 | 20 | 25 |
| | VGF303/025 | 25 | 32 |
| | VGF303/032 | 32 | 40 |
| | VGF303/040 | 40 | 50 |
| | VGF303/050 | 50 | 63 |
| | VGF303/065 | 65 | 75 |
| | VGF303/080 | 80 | 90 |
| Refer Valve Accessories for alternative adaptors | | | |

The +GF+ 303 Wye Check Valve can be mounted to suit horizontal and vertical flows.

| +GF+ 305 WYE STRAINERS | | | |
|--|--|-----------|----|
| | Code | Size (mm) | |
| | | NB | OD |
| 305 Wye Strainer PVC-U, EDPM Seals Metric Spigot ends  | VGF305/015 | 15 | 20 |
| | VGF305/020 | 20 | 25 |
| | VGF305/025 | 25 | 32 |
| | VGF305/032 | 32 | 40 |
| | VGF305/040 | 40 | 50 |
| | VGF305/050 | 50 | 63 |
| | VGF305/065 | 65 | 75 |
| | VGF305/080 | 80 | 90 |
| | Refer Valve Accessories for alternative adaptors. Excludes screens - Refer below | | |

| | Code | Size (NB) mm |
|--|-----------------|-----------------|
| Screen for 305 Wye | VGF305SC1.4/015 | 15 |
| | VGF305SC1.4/020 | 20 |
| | VGF305SC1.4/025 | 25 |
| | VGF305SC1.4/032 | 32 |
| | VGF305SC1.4/040 | 40 |
| | VGF305SC1.4/050 | 50 |
| | VGF305SC1.4/065 | 65 |
| | VGF305SC1.4/080 | 80 |
| Available in 0.5, 0.8, 1.4 & 2.2 Please specify screen size when ordering | | |







The +GF+ 305 Wye Strainer offers protection for valves and pumps. The strainers are easily dismantled for cleaning constructed from plastic with a clear body for screen inspection. Various screen sizes available.

| +GF+ P20 WATER JET SUCTION PUMP | | |
|--|-----------|-----------------|
| | Code | Size (NB) mm |
| P20 Water Jet Pump PVC-U, EDPM Seals  | 199041120 | 10 |
| | 199041121 | 15 |
| | 199041122 | 20 |
| | 199041123 | 25 |
| | 199041125 | 40 |
| | 199041126 | 50 |
| | | |

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| +GF+ 582 PRESSURE REDUCING VALVE | | |
|--|-------------------|--------------|
| | Code | Size (OD) mm |
| Type 582 Valve PVC-u / EPDM Socket  | VGf582EPDM/015 | 15 |
| | VGf582EPDM/020 | 20 |
| | VGf582EPDM/025 | 25 |
| | VGf582EPDM/032 | 32 |
| | VGf582EPDM/040 | 40 |
| | VGf582EPDM/050 | 50 |
| Type 582 Valve PVC-u / FPM Socket  | VGf582FPM/015 | 15 |
| | VGf582FPM/020 | 20 |
| | VGf582FPM/025 | 25 |
| | VGf582FPM/032 | 32 |
| | VGf582FPM/040 | 40 |
| | VGf582FPM/050 | 50 |
| Type 582 Valve CPVC / FPM Socket ASTM  | VGfC582FPM/015 | 15 |
| | VGfC582FPM/020 | 20 |
| | VGfC582FPM/025 | 25 |
| | VGfC582FPM/032 | 32 |
| | VGfC582FPM/040 | 40 |
| | VGfC582FPM/050 | 50 |
| Type 582 Valve PP-h / EPDM Socket Metric  | VGfPP582EPDM/020 | 20 |
| | VGfPP582EPDM/025 | 25 |
| | VGfPP582EPDM/032 | 32 |
| | VGfPP582EPDM/040 | 40 |
| | VGfPP582EPDM/050 | 50 |
| | VGfPP582EPDM/063 | 63 |
| Type 582 Valve PP-h / FPM Socket Metric  | VGfPP582FPM/020 | 20 |
| | VGfPP582FPM/025 | 25 |
| | VGfPP582FPM/032 | 32 |
| | VGfPP582FPM/040 | 40 |
| | VGfPP582FPM/050 | 50 |
| | VGfPP582FPM/063 | 63 |
| Type 582 Valve PVDF / FPM Spigot Metric  | VGfPVDF582FPM/020 | 20 |
| | VGfPVDF582FPM/025 | 25 |
| | VGfPVDF582FPM/032 | 32 |
| | VGfPVDF582FPM/040 | 40 |
| | VGfPVDF582FPM/050 | 50 |
| | VGfPVDF582FPM/063 | 63 |

Pressure reducing valves, often referred to as pressure control valves, ensure that the pressure at the valve outlet remains constant. They are used wherever a higher system pressure needs to be reduced to a pre-defined value. Depending on the application, fluctuating pressures are evened out or devices branching out from the main pipeline are protected against excessive pressure.

Note: All valves listed are WITHOUT Manometer

| +GF+ 586 PRESSURE RETAINING VALVE | | |
|--|-------------------|--------------|
| | Code | Size (OD) mm |
| Type 586 Valve PVC-u / EPDM Socket  | VGf586EPDM/015 | 15 |
| | VGf586EPDM/020 | 20 |
| | VGf586EPDM/025 | 25 |
| | VGf586EPDM/032 | 32 |
| | VGf586EPDM/040 | 40 |
| | VGf586EPDM/050 | 50 |
| Type 586 Valve PVC-u / FPM Socket  | VGf586FPM/015 | 15 |
| | VGf586FPM/020 | 20 |
| | VGf586FPM/025 | 25 |
| | VGf586FPM/032 | 32 |
| | VGf586FPM/040 | 40 |
| | VGf586FPM/050 | 50 |
| Type 586 Valve CPVC / FPM Socket ASTM  | VGfC586FPM/015 | 15 |
| | VGfC586FPM/020 | 20 |
| | VGfC586FPM/025 | 25 |
| | VGfC586FPM/032 | 32 |
| | VGfC586FPM/040 | 40 |
| | VGfC586FPM/050 | 50 |
| Type 586 Valve PP-h / EPDM Socket Metric  | VGfPP586EPDM/020 | 20 |
| | VGfPP586EPDM/025 | 25 |
| | VGfPP586EPDM/032 | 32 |
| | VGfPP586EPDM/040 | 40 |
| | VGfPP586EPDM/050 | 50 |
| | VGfPP586EPDM/063 | 63 |
| Type 586 Valve PP-h / FPM Socket Metric  | VGfPP586FPM/020 | 20 |
| | VGfPP586FPM/025 | 25 |
| | VGfPP586FPM/032 | 32 |
| | VGfPP586FPM/040 | 40 |
| | VGfPP586FPM/050 | 50 |
| | VGfPP586FPM/063 | 63 |
| Type 586 Valve PVDF / FPM Spigot Metric  | VGfPVDF586FPM/020 | 20 |
| | VGfPVDF586FPM/025 | 25 |
| | VGfPVDF586FPM/032 | 32 |
| | VGfPVDF586FPM/040 | 40 |
| | VGfPVDF586FPM/050 | 50 |
| | VGfPVDF586FPM/063 | 63 |

Pressure retaining valves, also known as overflow valves, ensure that the pressure at the valve inlet remains constant. They are used whenever the system pressure needs to be constant or a defined counterpressure needs to be generated against feed pumps. They balance out pressure pulsation and reduce pressure peaks.




Note: All valves listed are WITHOUT Manometer

+GF+ 567 INDUSTRIAL STANDARD BUTTERFLY VALVE

| | Code | Size (NB) mm | | | Code | Size (NB) mm |
|---|---------------|-----------------|-----|---|---------------|-----------------|
| PVC-U, EPDM Seals Wafer, Lever Operated  | VGf567/050 | 50 | | PVC-U, FPM Seals Wafer, Lever Operated  | VGf567FPM/050 | 50 |
| | VGf567/065 | 65 | | | VGf567FPM/065 | 65 |
| | VGf567/080 | 80 | | | VGf567FPM/080 | 80 |
| | VGf567/100 | 100 | | | VGf567FPM/100 | 100 |
| | VGf567/125 | 125 | | | VGf567FPM/125 | 125 |
| | VGf567/150 | 150 | | | VGf567FPM/150 | 150 |
| | VGf567/200 | 200 | | | VGf567FPM/200 | 200 |
| | VGf567/250 | 250 | | | VGf567FPM/250 | 250 |
| PVC-C, FPM Seals Wafer, Lever Operated  | VGfC567/065 | 65 | | ABS, EPDM Seals Wafer, Lever Operated  | VGfABS567/080 | 80 |
| | VGfC567/080 | 80 | | | VGfABS567/100 | 100 |
| | VGfC567/100 | 100 | | | VGfABS567/150 | 150 |
| | VGfC567/150 | 150 | | | VGfABS567/200 | 200 |
| | VGfC567/200 | 200 | | | | |
| PP-h, EPDM Seals Lever Operated  | VGfPP567E/063 | 63 | | PVC-U, EPDM Seals Wafer, Gear Box Operated  | VGf567GB/050 | 50 |
| | VGfPP567E/075 | 75 | | | VGf567GB/065 | 65 |
| | VGfPP567E/090 | 90 | | | VGf567GB/080 | 80 |
| | VGfPP567E/110 | 110 | | | VGf567GB/100 | 100 |
| | VGfPP567E/140 | 140 | | | VGf567GB/125 | 125 |
| | VGfPP567E/160 | 160 | | | VGf567GB/150 | 150 |
| | VGfPP567E/160 | 160 | | | VGf567GB/200 | 200 |
| | VGfPP567E/225 | 225 | | | VGf567GB/250 | 250 |
| | | VGf567GB/300 | 300 | | | |

The model 567 Butterfly Valve is uniquely designed with a double eccentric disc. This reduces the frictional behaviour and seal wear, and provides improved protection against pressure surges. Operating torque is reduced by up to 50% increasing service life. The standard lever operated valve has 6 ratchet teeth to engage in the index plate ensuring safe and secure lever positioning. The index plate is set to 5 degree increments and is and optional fine adjustment can be fitted. Optimal limit switches can be fitted inside the shaft housing. Gearbox operated models are also available in PVC-U

+GF+ 568 INDUSTRIAL STANDARD BUTTERFLY VALVE

| | Code | Size (NB) mm | | | Code | Size (NB) mm |
|--|---|-----------------|-----------|---|-----------|-----------------|
| PVC-U, EPDM Seals Lugged ANSI Lever Operated  | 161568102 | 50 | | PVC-U, EPDM Seals Lugged DIN Lever Operated  | 161568002 | 50 |
| | 161568103 | 65 | | | 161568003 | 65 |
| | 161568104 | 80 | | | 161568004 | 80 |
| | 161568105 | 100 | | | 161568005 | 100 |
| | 161568106 | 125 | | | 161568006 | 125 |
| | 161568107 | 150 | | | 161568007 | 150 |
| | 161568108 | 200 | | | 161568008 | 200 |
| | PVC-U, FPM Seals Lugged ANSI Lever Operated  | 161568122 | | | 50 | |
| 161568123 | | 65 | 161568023 | 65 | | |
| 161568124 | | 80 | 161568024 | 80 | | |
| 161568125 | | 100 | 161568025 | 100 | | |
| 161568126 | | 125 | 161568026 | 125 | | |
| 161568127 | | 150 | 161568027 | 150 | | |
| 161568128 | | 200 | 161568028 | 200 | | |
| | | | | | | |

The model 568 offers the same specifications as the model 567 but with a black epoxy coated fully lugged body. Valves are available in both ANSI and DIN pattern suitable for end of line service.





+GF+ MANUAL VALVES

FOR CHEMICAL PROCESS APPLICATIONS

The new generation +GF+ Diaphragm Valves have been created with three key elements in mind: safety, simplicity and efficiency. Now with one single central housing, plug and play features and improved liner flow properties the new generation valve series is an excellent choice for chemical process, water treatment and microelectronics applications.



These modular valves will be available in a range of materials and be configured with double union, spigot and flanged connections.

Related Documents: • The New Generation Diaphragm Valve Brochure • Innovation by Revolution Product Brochure

| +GF+ 514 DOUBLE UNION END CONFIGURATION DIAPHRAGM VALVES | | | | | |
|---|----------------|------------------|---|------------------|-----------------|
| | Code | Size (NB) mm | | Code | Size (OD) mm |
| PVC EPDM Diaphragm EDPM O-Rings Socket Union Ends ASTM  | VGf514/015 | 15 | PP-h EPDM Diaphragm EDPM O-Rings Socket Union Ends Metric  | VGfPP514/020 | 20 |
| | VGf514/020 | 20 | | VGfPP514/025 | 25 |
| | VGf514/025 | 25 | | VGfPP514/032 | 32 |
| | VGf514/032 | 32 | | VGfPP514/040 | 40 |
| | VGf514/040 | 40 | | VGfPP514/050 | 50 |
| VGf514/050 | 50 | VGfPP514/063 | 63 | | |
| PVC PTFE/EPDM Diaphragm FPM O-Rings Socket Union Ends ASTM  | VGf514PTFE/015 | 15 | PP-h PTFE/EPDM Diaphragm FPM O-Rings Socket Union Ends Metric  | VGfPP514PTFE/020 | 20 |
| | VGf514PTFE/020 | 20 | | VGfPP514PTFE/025 | 25 |
| | VGf514PTFE/025 | 25 | | VGfPP514PTFE/032 | 32 |
| | VGf514PTFE/032 | 32 | | VGfPP514PTFE/040 | 40 |
| | VGf514PTFE/040 | 40 | | VGfPP514PTFE/050 | 50 |
| VGf514PTFE/050 | 50 | VGfPP514PTFE/063 | 63 | | |

+GF+ 514 Valves can be configured in other materials. Please contact our sales team for pricing information and availability.

The +GF+ 515 Spigot End and 517 Flanged range will be introduced later in the year. Please refer to our 315 and 317 series product list.

| +GF+ 317 DIAPHRAGM VALVES | | | | | |
|--|------------|-----------------|--|-----------|-----------------|
| | Code | Size (NB) mm | | Code | Size (OD) mm |
| PVC-U, EPDM Seals Flange ANSI 150  | VGf317/065 | 65 | PVC-U, EPDM Seals Flange ISO/DIN  | 161317523 | 65 |
| | VGf317/080 | 80 | | 161317524 | 80 |
| | VGf317/100 | 100 | | 161317525 | 100 |
| | VGf317/150 | 150 | | 161317527 | 150 |

Other materials and seals available on request.

The +GF+ 317 model has flanged end connections and is available in sizes up to 150 with ANSI-150 or ISO/DiN drilling configurations. Sizes 65-100mm have fixed flanges. If you need other combinations other than those listed in our product list please contact us.




Flanged ends for 15-50mm Diaphragm Valves can be achieved by using the 315 model Diaphragm Valve and appropriate flanges (refer to our Piping Systems range).

All +GF+ Valves are of a modular construction. If the valve combination you require is not on our product list please contact us as we are likely to be able to build a valve to meet your requirements.


Asmuss stock a comprehensive range of spare parts and accessories. Please contact us for more information.

All +GF+ valves are serviceable and AsmuSS hold a wide range of accessories and replacement parts. This is a sample list only, based on PVC, with parts available for all the other plastics we range. Replacement diaphragms are also available. Please contact us if you need to replace or modify your existing valve configurations.

+GF+ 546 VALVE ENDS & NUTS

| | Code | Size (NB) mm |
|---|----------------|-----------------|
| PVC 546 Valve End Threaded  | VA546BSP/015 | 15 |
| | VA546BSP/020 | 20 |
| | VA546BSP/025 | 25 |
| | VA546BSP/032 | 32 |
| | VA546BSP/040 | 40 |
| | VA546BSP/050 | 50 |
| | VA546BSP/080 | 80 |
| | VA546BSP/100 | 100 |
| PVC 546 Valve End Steel Band Thread  | VA546BSPSB/015 | 15 |
| | VA546BSPSB/020 | 20 |
| | VA546BSPSB/025 | 25 |
| | VA546BSPSB/032 | 32 |
| | VA546BSPSB/040 | 40 |
| | VA546BSPSB/050 | 50 |
| PVC 546 Union Nut Only  | VA546NUT/020 | 20 |
| | VA546NUT/025 | 25 |
| | VA546NUT/032 | 32 |
| | VA546NUT/040 | 40 |
| | VA546NUT/050 | 50 |
| | VA546NUT/080 | 80 |
| | VA546NUT/100 | 100 |

+GF+ 546 EPDM SEAL SET

| | Code | Size (NB) mm |
|---|------------------|-----------------|
| EPDM Seal Set  | VA546EPDMSET/015 | 15 |
| | VA546EPDMSET/020 | 20 |
| | VA546EPDMSET/025 | 25 |
| | VA546EPDMSET/032 | 32 |
| | VA546EPDMSET/040 | 40 |
| | VA546EPDMSET/050 | 50 |
| | VA546EPDMSET/080 | 80 |




+GF+ 546 EXTENSION HANDLE BS/ASTM

| | Code | Size (NB) mm |
|--|-----------------|-----------------|
| Extension Handle BS/ASTM  | VA546HANX/015 | 15 |
| | VA546HANX/20-25 | 20-25 |
| | VA546HANX/32-40 | 32-40 |
| | VA546HANX/050 | 50 |

+GF+ 546 PP MOUNTING PLATE

| | Code | Size (NB) mm |
|---|---------------|-----------------|
| PP Mounting Plate  | VA546MP/10-25 | 10-25 |
| | VA546MP/32-50 | 32-50 |

+GF+ 314 VALVE ENDS & NUTS

| | Code | Size (NB) mm |
|---|-----------------|-----------------|
| PVC 314 Valve End BSP  | VA314BSP/010 | 10 |
| | VA314BSP/015 | 15 |
| | VA314BSP/020 | 20 |
| | VA314BSP/025 | 25 |
| | VA314BSP/032 | 32 |
| | VA314BSP/040 | 40 |
| | VA314BSP/050 | 50 |
| PVC 314 Valve End Plain  | VA314SOCKET/010 | 10 |
| | VA314SOCKET/015 | 15 |
| | VA314SOCKET/020 | 20 |
| | VA314SOCKET/025 | 25 |
| | VA314SOCKET/032 | 32 |
| | VA314SOCKET/040 | 40 |
| PVC 314 Valve Nut  | VA314NUT/010 | 10 |
| | VA314NUT/015 | 15 |
| | VA314NUT/020 | 20 |
| | VA314NUT/025 | 25 |
| | VA314NUT/032 | 32 |
| | VA314NUT/040 | 40 |
| | VA314NUT/050 | 50 |

PVC ADAPTOR SOCKET PL/THD

| | Code | Size (mm) | |
|---|---------------|-----------|--------|
| | | NB | OD |
| PVC Adaptor Socket Plain/Threaded BSP  Metric PVC to female thread | VADPTSOPT/010 | 16 | 3/8" |
| | VADPTSOPT/015 | 20 | 1/2" |
| | VADPTSOPT/020 | 25 | 3/4" |
| | VADPTSOPT/025 | 32 | 1" |
| | VADPTSOPT/032 | 40 | 1 1/4" |
| | VADPTSOPT/040 | 50 | 1 1/2" |
| | VADPTSOPT/050 | 63 | 2" |
| | VADPTSOPT/065 | 75 | 2 1/2" |
| | VADPTSOPT/080 | 90 | 3" |

PVC ADAPTOR SOCKET PLAIN

| | Code | Size (mm) | |
|---|--------------|-----------|--------|
| | | NB | OD |
| PVC Adaptor Socket Plain  Metric PVC to SCH80 PVC Socket | VADPTSOP/015 | 20 | 1/2" |
| | VADPTSOP/020 | 25 | 3/4" |
| | VADPTSOP/025 | 32 | 1" |
| | VADPTSOP/032 | 40 | 1 1/4" |
| | VADPTSOP/040 | 50 | 1 1/2" |
| | VADPTSOP/050 | 63 | 2" |