Condensed Valve Catalog

Materials: PVC, CPVC, PP, PVDF, ABS

Sizes: ¼" to 24"

Ball Valves
Check Valves
Diaphragm Valves
3-Way Valves
Butterfly Valves
Y-Globe Valves
Metering Valves
Needle Valves
Line Strainers
Pressure Regulating Valves

+GF+

GEORG FISCHER
PIPING SYSTEMS

Valve Selection

Valves are available in a broad spectrum of sizes and materials. Each design has its own advantages, and selection of the proper valve for a particular application is critical. The factors generally considered in the selection of a valve include:

- The fluid to be handled and the required flow rate.
- The requirements for valve control and/or flow shut off as demanded by the service conditions.
- The ability of the valve to withstand the maximum working pressure and temperature.
- The chemical resistance of the valve from attack by corrosion or erosion.
- Actuator requirements, if any.
- Maintenance, repair or replacement requirements

Because of these factors and many other variables, we work together with the customer to determine the particular valve best suited for the application.

Criteria for the Selection of GF Plastic Valves

Type	Medium to be transported				Function requirements					
	Free of foreign bodies	Containing solid particles or crystals	Viscous	Gaseous	Adjustable (i.e. for throttling)	Position indicator	Permits inline cleaning (pigging)	Leakproof under vacuum	Pressure surge behavior	Seal materials available
Diaphragm valve	+	+	+/0	+/0	+	+	–	0	0	EPDM, FPM, PTFE, Buna
Ball valve	+	0/–	+	+	+/0	+	+	+	+	EPDM, FPM
Y-Globe valve	+	0	+	0	+	0	–	0	–	PE, PTFE
Butterfly valve	+	+/0	+/0	+	+/0	+	–	+	+	EPDM, FPM

+ = recommended 0 = conditionally suitable – = not recommended

Description	Type Number		Range of Nominal Sizes Material of Base					Available Seal Materials	Pressure in psi (water 68°F)
	Manually Operated	Actuated	PVC	CPVC	PP	PVDF	ABS		
Ball valve	546	107, 131–133, 231–233	⅜"–4"	⅜"–4"	⅜"–4"	⅜"–4"	⅜"–4"	EPDM, FPM	150, 232 psi*
Ball valve	375	—	⅜"–6"	½"–2"	½"–4" (PP-n)	—	—	EPDM, FPM	150, 225 psi*
Ball valve COLORO	353, 355	—	½"–2"	—	—	—	—	EPDM, FPM	150, 232 psi*
3-way ball valve (vertical in PVC only)	543	185–188 285–288	⅜"–2"	⅜"–2"	⅜"–2"	⅜"–2"	⅜"–2"	EPDM, FPM	150 psi**
Control ball valve	546	Optional	½"–2"	½"–2"	½"–2"	½"–2"	—	EPDM, FPM	150, 232 psi*
Metering ball valve	523	Optional	⅜" & ½"	on request	⅜" & ½"	⅜" & ½"	on request	EPDM, FPM	150 psi
Laboratory ball cock	324	—	¼"	—	—	—	—	EPDM	150 psi
Diaphragm valve	514	Diastar 10/10 Plus	½"–2"	—	½"–2"	½"–2"	½"–2"	EPDM, PTFE	150 psi** †
	515	Diastar 10/10 Plus	—	—	½"–2"	½"–2"	½"–2"	EPDM, PTFE	150 psi** †
	517	Diastar 10	½"–2"	½"–4"	½"–6"	½"–6"	—	EPDM, PTFE	150 psi**
	317	Diastar	2½"–6"	2½"–4"	2½"–6"	2½"–6"	—	EPDM, PTFE	150 psi**
Diaphragm valve	519	Optional	20x20 mm – 110x63 mm PVDF PP				—	PTFE	150 psi
Butterfly valve	567	140, 240	2"–12"	2"–8"	2"–24"	2"–12"	2"–8"	EPDM, FPM	150 psi
Butterfly valve	568	142, 242	2"–8"	2"–8"	2"–8"	2"–8"	2"–8"	EPDM, FPM	150 psi
Butterfly valve	365	—	2"–12"	coated metal body with PFA coated disk, lug style				FPM	150 psi
Butterfly valve	563	Optional	2"–12"				—	EPDM	150, 90 psi
Butterfly valve	VFA	Optional	2½"–8"	—	—	—	—	EPDM	150, 90 psi
Cone check valve	561, 562	—	⅜"–4"	⅜"–4"	⅜"–4"	⅜"–4"	⅜"–4"	EPDM, FPM	150, 232 psi
Vent/Bleed valve	591, 595	—	⅜"–4"	⅜"–4"	⅜"–4"	⅜"–4"	⅜"–4"	EPDM, FPM	—
Wafer check valve	369	—	1½"–12"	—	—	—	—	EPDM, FPM	87 psi
Y-Check valve	304	—	½"–3"	—	—	—	—	EPDM, FPM	150 psi
Y-Globe valve	301	211	½"–3"	—	—	—	—	PE, PTFE	150 psi
Line strainer	306	—	½"–3"	—	—	—	—	EPDM, FPM	150 psi
Needle valve	522	—	—	—	½"	¼"–½"	—	PTFE	150 psi

* PVC, CPVC, PVDF socket (232 psi), PP socket (150 psi), threaded all materials (150 psi), ABS (150 psi)

** Reduced pressure ratings on 4" Diastar (120 psi), 6" Diastar (90 psi) and 6" Type 317 (105 psi), 2½"–6" Type 343 (87 psi)

† 232 pressure rating on special configuration

Summary of GF Actuated Valves

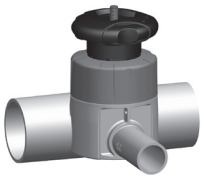
Pneumatically Actuated

Type Number		Ball Valve 231-233	Diaphragm Valve Diastar 10 and 10 Plus	3-way Valve 285/286/287/288	Butterfly Valve			
					240	242	563	VFA
Size	PVC	⅜"–4"	2½"–6"	⅜"–2"	2"–16"	2"–8"	2"–12"	2½"–8"
	CPVC	⅜"–4"	½"–2"	⅜"–2"	2"–8"	2"–8"	—	—
	PP	⅜"–4" 16–110 mm	½"–6" 20–160 mm	⅜"–2" 16–63 mm	2"–24" 63–630 mm	2"–8" 63–225 mm	—	—
	PVDF	⅜"–4" 16–110 mm	½"–6" 20–160 mm	⅜"–2" 16–63 mm	2"–12" 63–315 mm	2"–8" 63–225 mm	—	—
	ABS	⅜"–2" 16–63 mm	½"–2" 20–63 mm	⅜"–2" 16–63 mm	2"–8" 63–225 mm	2"–8" 63–225 mm	—	—
	Metal	—	—	—	—	—	—	—
Seal Material		**EPDM, FPM**	**NBR, FPM, PTFE/ EPDM, PTFE/FPM**	**EPDM, FPM**	**EPDM**		**EPDM, FPM**	
Fail Safe Closed (FC)		+	+	+	+		+	
Fail Safe Open (FO)		+	+	+	+		+	
Double Acting (DA)		+	+	+	+		+	
Visual Position Indicator		+	+	+	+		+	
Limit Switches/Postion Feedback		+	+	+	–		+	
Positioner		+	+	+	–		+	
Manual Override		+	+	+	–		+	
Stroke Adjustment		+	+	–	–		+	
Speed Control		+	+	+	+		+	
AS-i		+	+	+	+		+	

Electrically Actuated (Motorized)

Type Number		Ball Valve 107	Ball Valve 130–133	3-way Valve 185/186/187/188	Butterfly Valve			
					140	142	563	VFA
Size	PVC	⅜"–2"	⅜"–4"	⅜"–2"	2"–12"	2"–8"	2"–12"	2½"–8"
	CPVC	⅜"–2"	⅜"–4"	⅜"–2"	2"–8"	2"–8"	—	—
	PP	—	⅜"–4" 16–110 mm	⅜"–2" 16–63 mm	2"–24" 63–630 mm	2"–8" 63–225 mm	—	—
	PVDF	—	⅜"–4" 16–110 mm	⅜"–2" 16–63 mm	2"–12" 63–315 mm	2"–8" 63–225 mm	—	—
	ABS	⅜"–2" 16–63 mm	⅜"–2" 16–63 mm	⅜"–2" 16–63 mm	2"–8" 63–225 mm	2"–8" 63–225 mm	—	—
	Metal	—	—	—	—	—	—	—
Seal Material		**EPDM, FPM**	**EPDM, FPM**	**EPDM, FPM**	**EPDM, FPM**		**EPDM**	
Fail Safe		+	+	+	+		+	
Visual Position Indicator		+	+	+	+		+	
Limit Switches/Feedback		+	+	+	+		+	
4–20 mA Position Feedback		–	+	+	+		+	
Positioner		–	+	+	+		+	
Manual Override		+	+	+	+		+	
Speed Control/Monitoring Options		–	+	+	+		+	
Heater and Thermostat		+	+	+	+		+	
Voltages		100–230 VAC 24 VAC/DC	100–230 VAC 24 VAC/DC	100–230 VAC 24 VAC/DC	100–230 VAC 24 VAC/DC		100–230 VAC 24 VAC/DC	
AS-i		+	+	+	+		+	

Manual Valves

					
	Ball Valve Type 546	**Ball Valve Type 375**	**COLORO Compact Ball Valve Type 355**	**COLORO Ball Valve Type 353**	**Metering Ball Valve Type 523**
End Connections A: solvent cement socket B: NPT threads C: solvent cement spigot D: flanges E: socket, butt and spigot fusion ends available in PP and PVDF F: Lug	True union ball valve. Maintenance free. Guaranteed performance. Tested 50,000 cycles. Can be converted to actuated in-line. Handle extension, silicone-free and Control Ball feature are available options.	True union ball valve, O-ring seat backing provides constant torque. PTFE seats. Tested 10,000 cycles with clean fluids. True union ends, NSF approved.	Unrestricted bore for optimum flow. Sturdy monobloc construction resists field breakage. Short laying length and low profile require minimum installation space. PTFE seats. O-ring seat backing provides constant torque. True union ends.	Unrestricted bore for optimum flow. Sturdy monobloc construction resists field breakage. Short laying length and low profile require minimum installation space. PTFE seats. O-ring seat backing provides constant torque.	Precise control at low flow conditions. Indicator scale allows fine adjustment. PTFE seats.
Material	PVC, CPVC, PP, PVDF, ABS	PVC, CPVC, PP-n	PVC	PVC	PVC, PP, PVDF (ABS, CPVC on request)
Seal Material	EPDM, FPM	EPDM, FPM	EPDM, FPM	EPDM, FPM	EPDM, FPM
Size Range	⅜"–4"	½"–6"	½"–2"	½"–2"	⅜", ½"
End Connection	A B D E	A B D	A B	A B	A B E
Body and Seal Materials **PVC** Polyvinyl Chloride **CPVC** Chlorinated Polyvinyl Chloride **PP** Polypropylene **PVDF** Polyvinylidenefluoride **ABS** Acrylonitrile Butadiene Styrene **FPM** Fluorine Rubber **EPDM** Ethylene Propylene Rubber **PTFE** Polytetrafluoroethylene FPM seals are made of Viton® or equal materials. Viton® is a registered trademark of DuPont Dow Elastomers.					
	Diaphragm Valve Type 514	**Diaphragm Valve Type 515**	**Diaphragm Valve Type 517**	**Diaphragm Valve Type 317**	**Zero Static Diaphragm Valve Type 519**
	Ergonomic, easily removable handwheel. Standard lockable handle. Suitable for slurries and abrasive media. Can be post-actuated.	Ergonomic, easily removable handwheel. Standard lockable handle. Suitable for slurries and abrasive media. Excellent for throttling control. Can be post-actuated.	Ergonomic, easily removable handwheel. Standard lockable handle. Suitable for slurries and abrasive media. Excellent for throttling control. Can be post-actuated.	Ergonomic, easily removable handwheel. Optional lockable handle. Suitable for slurries and abrasive media. Excellent for throttling control. Can be post-actuated.	Shortest possible branch geometry for zero dead leg. Molded body. High purity versions available. Can be post-actuated.
Material	PVC, CPVC, PP, PVDF, ABS	PP, PP-n, PVDF, ABS	PVC, CPVC, PP, PP-n, PVDF	PVC, CPVC, PP, PVDF	PP, PP-n, PVDF
Seal Material	NBR, FPM, PTFE/EPDM, PTFE/FPM	NBR, FPM, PTFE/EPDM, PTFE/FPM	NBR, FPM, PTFE/EPDM, PTFE/FPM	EPDM, PTFE	EPDM, PTFE
Size Range	½"–2"	½"–2"	½"–2"	2½"–6"	20x20–100x63mm
End Connections	A B E	C E	D	D	E

Manual Valves

					
3-Way Ball Valve Type 543	**Butterfly Valve Type 568**	**HP Butterfly Valve Type 365**	**Butterfly Valve Type 563 Aqua**	**Butterfly Valve VFA**	**Butterfly Valve Type 567**
Vertical and horizontal styles available. L and T-ports for diverting of mixing fluid. Long working life. O-ring seat backing provides constant torque. PTFE seats.	Lug style valve, double eccentric design allows for lower operating torque and less wear. Wetted material matches piping system. Epoxy coated ductile iron outer body.	PTFE-lined lug style butterfly valve with PFA-encapsulated disc. Manufactured for high-purity applications. Actuated versions available.	Wafer style valve, double eccentric design allows for lower operating torque and less wear. Glass filled polypropylene outer body.	Low torque valve specifically for water applications.	Wafer style valve, double eccentric design allows for lower operating torque and less wear. Wetted material matches piping system. Glass filled polypropylene outer body.
PVC, CPVC, PP, PVDF, ABS	PVC, CPVC, PP, PVDF, ABS	Coated ductile iron	PVC	PVC	PVC, CPVC, PP, PVDF, ABS
EPDM, FPM	EPDM, FPM, PTFE	PTFE/PFA	EPDM	EPDM	EPDM, FPM, PTFE
⅜"–2"	2"–8"	2"–12"	2"–12"	2½"–8"	2"–24"
A B	Lug	Lug	Wafer	Wafer	Wafer
					
Y-Globe Valve Type 301	**Ventilating and Bleed Valve Type 591/595**	**Y-Check Valve Type 304**	**Cone Check Valve Type 561 Type 562 (spring)**	**Wafer Check Valve Type 369**	**Line Strainer Type 306**
Good flow characteristics. Bonnet nut facilitates exchange of components. Easy replacement of disc and seat assembly.	Used where containers and pipes have to be aerated and/or vented. Especially good for avoiding vacuums and discharging air pockets.	Excellent flow characteristics. Minimum pressure loss. Mount horizontally or vertically. Efficient at low working pressures.	Check for vertical or horizontal installation. Can be used as foot valve when used with Type 050 screen. Good sealing at low head pressure.	The valve is available in versions with or without springs. The spring loaded version works well in vertical and horizontal installations where many check valves may not.	Protects equipment from solid particles. Screens available in four mesh sizes. Transparent PVC enables easy visibility of screen collection.
PVC (transparent)	PVC, PP, PVDF, ABS	PVC (transparent)	PVC, CPVC, PP, PVDF, ABS	PVC, PP, PVDF	PVC (transparent)
PE, PTFE	EPDM, FPM	EPDM, FPM	EPDM, FPM	EPDM, FPM	EPDM, FPM
½"–3"	⅜"–4"	½"–3"	⅜"–4"	1½"–12"	½"–3"
C		C	A B C E	D	C

Manual Valves

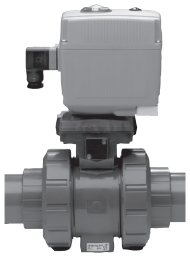
	 **Needle Valve Type 522, Angle and Globe Body Styles**	 **Laboratory Ball Cock Valve Type 324**	 **Rotameters**	 **Type 546 True Union Ball Valve Pre-assembled to a Solvent Cement Socket Tee**
End Connections A: solvent cement socket B: NPT threads C: solvent cement spigot D: flanges E: socket, butt and spigot fusion ends available in PP and PVDF F: Lug	Precise control with fine adjustment. Broad chemical resistance with rugged construction. Working pressures up to 200 psi at 73°F.	Specially designed for laboratory use. Long working life. PTFE seats.	All plastic construction. For water, air and corrosive applications. Flow ranges from 0.01–132 GPM. Accuracy 3% of full scale. Available with high/low limits and 4–20mA output.	Many other options and size configurations available within Type 546 ball valve, including FPM seals, PP and PVDF material.
Material	PP, PVDF	PVC	PSU, PA or PVC tube PVC, PP, PVDF ends Other materials available upon request	PVC, CPVC
Seal Material	PTFE	EPDM	EPDM, PTFE	EPDM, FPM
Size Range	¼", ⅜", ½"	¼"	⅜"–2½"	1"× ½" – 8"× 2"
End Connections	B	A B	A B E	A

Body and Seal Materials

PVC
Polyvinyl Chloride
CPVC
Chlorinated Polyvinyl Chloride
PP
Polypropylene
PVDF
Polyvinylidenefluoride
ABS
Acrylonitrile Butadiene Styrene
FPM
Fluorine Rubber
EPDM
Ethylene Propylene Rubber
PTFE
Polytetrafluoroethylene
FPM seals are made of Viton® or equal materials. Viton® is a registered trademark of DuPont Dow Elastomers.

	 **Pressure Regulating Valve**
Functions	Regulating Retaining Relief
Voltage/Air Pressure	Variable
Material	PVC, PP, PVDF
Seal Material	EPDM, PTFE
Size Range	⅜"–4"
End Connections	A B D E

Actuated Valves

				
End Connections A: solvent cement socket B: NPT threads C: solvent cement spigot D: flanges E: socket, butt and spigot fusion ends available in PP and PVDF F: Lug	**Ball Valve with Electric Actuator Type 107** Low cost economic actuated on/off ball valve. Standard with manual override and feedback switches.	**Ball Valve with Electric Actuator Type 130–133** Premium electric actuator for long service life. Used for process control application.	**Ball Valve with Pneumatic Actuator Type 231–233** Lightweight, glass-filled polypropylene actuator with pre-tensioned safety springs.	**Control Ball Valve Made from Type 546** Excellent flow control utilizing a characterized ball. Low pressure loss.
Actuator Types	EA 11	EA 21/EA 31	PA 11/PA 21/PA 30/PA 35/ PA 40/PA 45	Electric/Pneumatic
Functions	Open/Close	Open/Close Process control	Open/Close Process control	Flow control
Control Time	5S/90° at nom. torque	5S/90° at nom. torque	1 sec	Positioner
Voltage/Air Pressure	24/110-220V, 50-60Hz	24/110-220V, 50-60Hz	101.5 psi max	24/110–220V (electric), 105 psi (pneumatic)
Material	PVC, CPVC, PP, PVDF, ABS	PVC, CPVC, PP, PVDF, ABS	PVC, CPVC, PP, PVDF, ABS	PVC, PP, PVDF
Seal Material	EPDM, FPM	EPDM, FPM	EPDM, FPM	EPDM, FPM
Size Range	⅜"–2"	⅜"–4"	⅜"– 4"	½"–2"
End Connection	A B D E	A B D E	A B D E	A C
Body and Seal Materials **PVC** Polyvinyl Chloride **CPVC** Chlorinated Polyvinyl Chloride **PP** Polypropylene **PVDF** Polyvinylidenefluoride **ABS** Acrylonitrile Butadiene Styrene **FPM** Fluorine Rubber **EPDM** Ethylene Propylene Rubber **PTFE** Polytetrafluoroethylene FPM seals are made of Viton® or equal materials. Viton® is a registered trademark of DuPont Dow Elastomers.	 **Ball Valve with Pneumatic Actuator Type 285–288, 3-way** Glass filled polypropylene. Corrosion resistant, lightweight, pneumatic actuation.	 **Ball Valve with Electric Actuator Type 185–187, 3-way** Premium electric actuator for long service life. 100% duty cycle rating.		
Actuator Types	PA11/21	EA21		
Functions	Fail Safe to Close Fail Safe to Open Double Acting Process control	On/Off Process control		
Control Time	1 sec.	6 sec.		
Voltage/Air Pressure	105 psi max	24/110–220V, 50–60Hz		
Material	PVC, CPVC, PP, PVDF, ABS	PVC, CPVC, PP, PVDF, ABS		
Seal Material	EPDM, FPM	EPDM, FPM		
Size Range	⅜"–2"	⅜"–2"		
End Connections	A B C D E	A B C D E		

Actuated Valves

				
End Connections A: solvent cement socket B: NPT threads C: solvent cement spigot D: flanges E: socket, butt and spigot fusion ends available in PP and PVDF F: Lug	**Butterfly Valve with Electric Actuator Type 140** Wafer style valve, double eccentric design allows for lower operating torque and less wear. Wetted material matches piping system. Glass filled polypropylene outer body. 100% duty cycle.	**Butterfly Valve with Electric Actuator Type 142** Lug style valve, double eccentric design allows for lower operating torque and less wear. Wetted material matches piping system. Epoxy coated outer body. 100% duty cycle.	**Butterfly Valve with Pneumatic Actuator Type 240** Wafer style valve, double eccentric design allows for lower operating torque and less wear. Wetted material matches piping system. Glass filled polypropylene outer body.	**Butterfly Valve with Pneumatic Actuator Type 242** Lug style valve, double eccentric design allows for lower operating torque and less wear. Wetted material matches piping system. Epoxy coated outer body.
Actuator Types	EA31, EA42	EA31, EA42	PA30, PA35, PA40, PA45, PA50, PA55	PA30, PA35, PA40, PA45, PA50, PA55
Functions	Open/Close Process control	Open/Close Process control	Fail Safe to Close Fail Safe to Open Double Acting	Fail Safe to Close Fail Safe to Open Double Acting
Control Time	EA31: 15 sec. EA42: 25 sec.	EA31: 15 sec. EA42: 25 sec.	0.5–1sec	0.5–1sec.
Voltage/Air Pressure	24/110–220V, 50–60Hz	24/110–220V, 50–60Hz	105 psi max.	105 psi max
Material	PVC, CPVC, PP, PVDF, ABS	PVC, CPVC, PP, PVDF, ABS	PVC, CPVC, PP, PVDF, ABS	PVC, CPVC, PP, PVDF, ABS
Seal Material	EPDM, FPM	EPDM, FPM	EPDM, FPM	EPDM, FPM
Size Range	2"–24"	2"–8"	2"–24"	2"–8"
End Connection	Wafer	Lug	Wafer	Lug
Body and Seal Materials **PVC** Polyvinyl Chloride **CPVC** Chlorinated Polyvinyl Chloride **PP** Polypropylene **PVDF** Polyvinylidenefluoride **ABS** Acrylonitrile Butadiene Styrene **FPM** Fluorine Rubber **EPDM** Ethylene Propylene Rubber **PTFE** Polytetrafluoroethylene FPM seals are made of Viton® or equal materials. Viton® is a registered trademark of DuPont Dow Elastomers.	 **Butterfly Valve with Electric Actuator Type 563** Wafer style valve, double eccentric design allows for lower operating torque and less wear. Wetted material matches piping system. Glass filled polypropylene outer body.	 **Butterfly Valve with Electric Actuator Type VFA** Low-torque valve specifically for water applications. 100% duty cycle.	 **Butterfly Valve with Pneumatic Actuator Type 563** Wafer style valve, double eccentric design allows for lower operating torque and less wear. Wetted material matches piping system. Glass filled polypropylene outer body.	 **Butterfly Valve with Pneumatic Actuator Type VFA** Low-torque valve specifically for water applications. 100% duty cycle.
Actuator Types	EA21, EA31, EA42	EA21, EA31, EA42	PA21, PA30, PA35, PA40, PA45, PA50, PA55	PA21, PA30, PA35, PA40, PA45, PA50, PA55
Functions	Open/Close Process control	Open/Close Process control	Fail Safe to Close Fail Safe to Open Double Acting	Fail Safe to Close Fail Safe to Open Double Acting
Control Time	EA21: 6 sec. EA31: 15 sec. EA42: 25 sec.	EA21: 6 sec. EA31: 15 sec. EA42: 25 sec.	0.5–1sec	0.5–1sec.
Voltage/Air Pressure	24/110–220V, 50–60Hz	24/110–220V, 50–60Hz	105 psi max.	105 psi max
Material	PVC	PVC	PVC	PVC
Seal Material	EPDM	EPDM	EPDM	EPDM
Size Range	2"–12"	2½"–12"	2"–12"	2½"–12"
End Connections	Wafer	Wafer	Wafer	Wafer

Actuated Valves

				
End Connections A: solvent cement socket B: NPT threads C: solvent cement spigot D: flanges E: socket, butt and spigot fusion ends available in PP and PVDF F: Lug	**Diaphragm Valve with DIASTAR 10 and 10Plus Pneumatic Actuator** Rugged GF PP actuation, Lightweight, compact design. Preloaded springs for safety. Long life, excellent throttling characteristics.	**Diaphragm Valve with DIASTAR 10 and 10Plus Pneumatic Actuator** Rugged GF PP actuation, Lightweight, compact design. Preloaded springs for safety. Long life, excellent throttling characteristics.	**Zero Static Valve with DIASTAR 10 and 10Plus Pneumatic Actuator High Purity** Rugged GF PP actuation, Lightweight, compact design. Preloaded springs for safety. Long life, excellent throttling characteristics.	
Actuator Types	DIASTAR	DIASTAR	DIASTAR	
Functions	Fail Safe to Close Fail Safe to Open Double Acting	Fail Safe to Close Fail Safe to Open Double Acting	Fail Safe to Close Fail Safe to Open Relief	
Control Time	approx 3 sec	approx 3 sec	approx 3 sec	
Voltage/Air Pressure	105 psi max.	105 psi max.	105 psi max.	
Material	PVC, CPVC, PP, PP-n, PVDF, ABS	PVC, CPVC, PP, PVDF	PP, PP-n, PVDF	
Seal Material	NBR, FPM, PTFE/EPDM, PTFE/FPM	EPDM, PTFE	EPDM, PTFE	
Size Range	½"–2"	2½"–6"	20x20–110x63 mm	
End Connection	A B C D E	A B C D E	E	
Body and Seal Materials **PVC** Polyvinyl Chloride **CPVC** Chlorinated Polyvinyl Chloride **PP** Polypropylene **PVDF** Polyvinylidenefluoride **ABS** Acrylonitrile Butadiene Styrene **FPM** Fluorine Rubber **EPDM** Ethylene Propylene Rubber **PTFE** Polytetrafluoroethylene FPM seals are made of Viton® or equal materials. Viton® is a registered trademark of DuPont Dow Elastomers.				

Actuated Accessories

AS-i

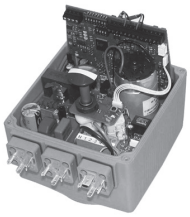
AS-Interface (Actuator Sensor Interface) is an industrial standard, specially developed for field bus connection of actuators and sensors. The AS-Interface complements advanced fieldbus systems ideally and is used in place of conventional parallel cables. It is suitable for simple open-close applications.

Position Feedback Limit Switches

For feedback of valve status. Available in dry contact (silver or gold), PNP, NPN, EExd.

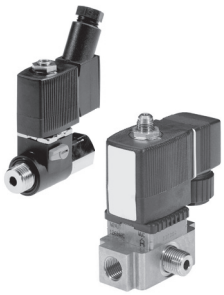
Pneumatic Positioners

Positioners for pneumatic ball, butterfly and diaphragm valves. 4-20 mA input signal.



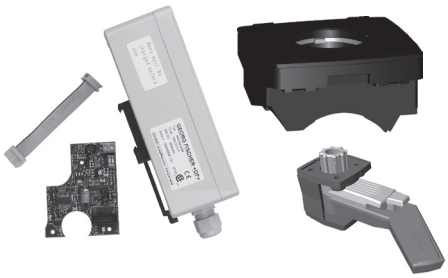
Positioner Type PE25

Can be internally mounted into existing GF electric actuators to provide functions.



Pilot Solenoid Valve

On/Off control for pneumatic valves. 100% duty cycle rating. PV 94 and PV 95 for direct mount. PV200 for manifold.

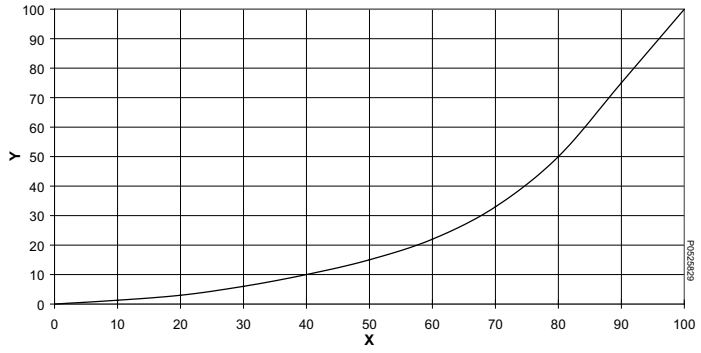


Accessories

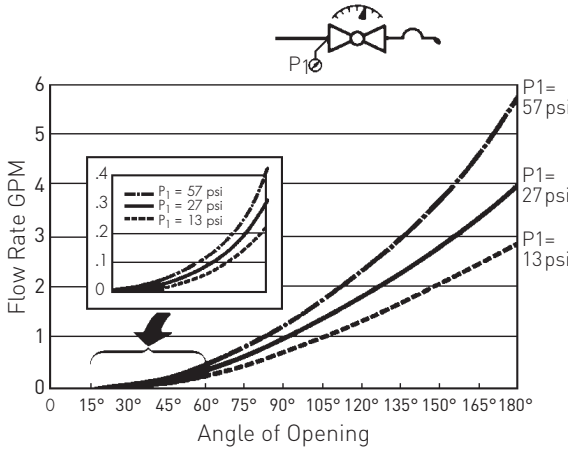
Manual override
Fail Safe Unit
Limit switches
Intermediate position for 3-way valves
Potentiometer
Speed Control
Heating Element
Positioner
Stroke Limiter
Solenoid Pilot Valve

Flow Characteristics

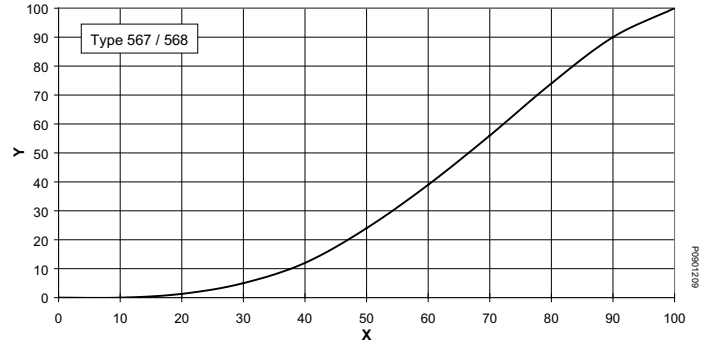
Ball Valves



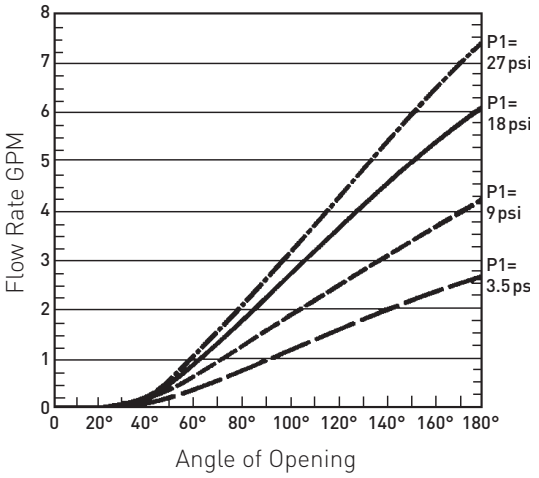
⅜" Metering Valve



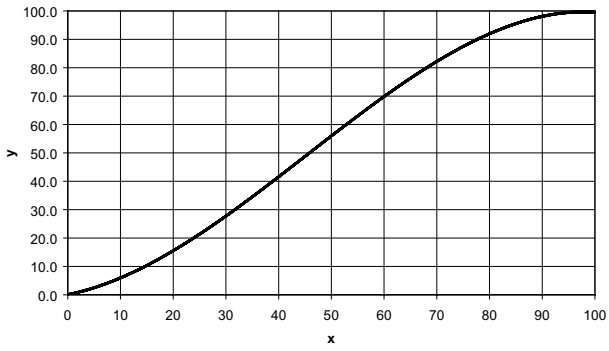
Butterfly Valves



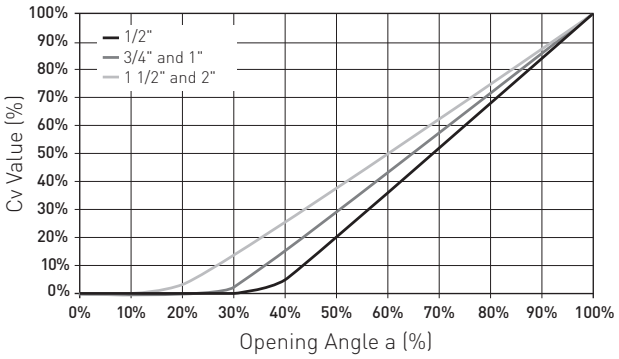
½" Metering Valve



Diaphragm Valves

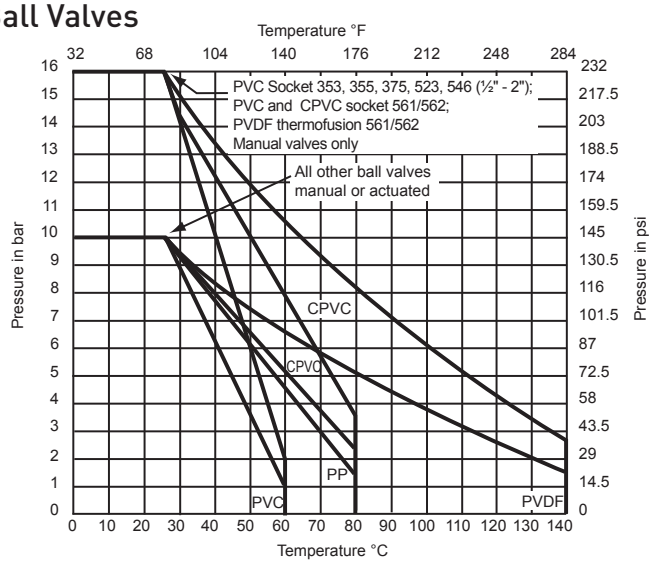


Control Ball Valve



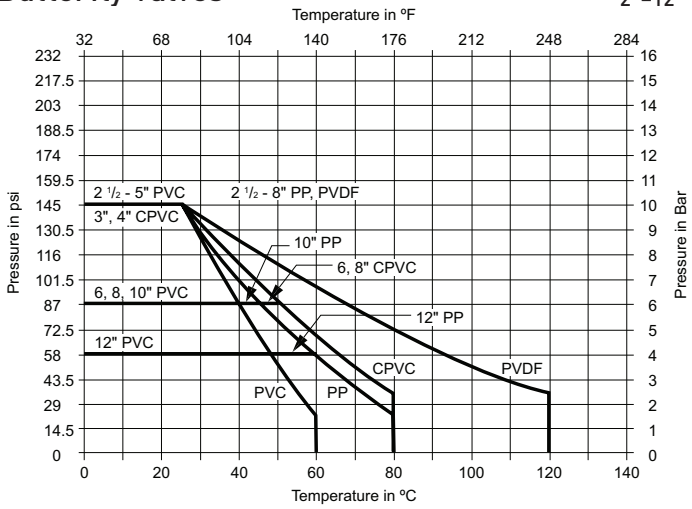
Pressure/Temperature Characteristics

Ball Valves

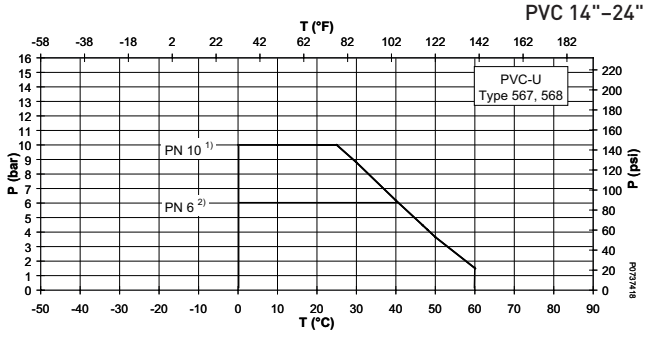


Butterfly Valves

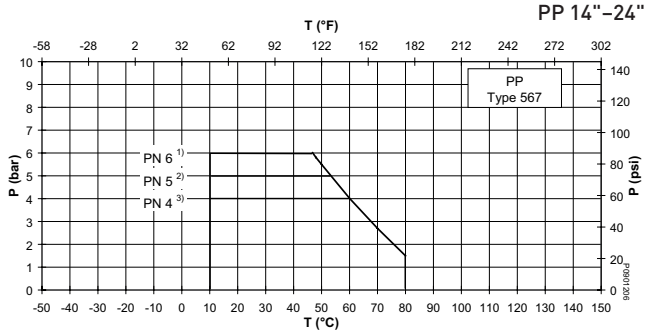
2"–12"



PVC 14"–24"

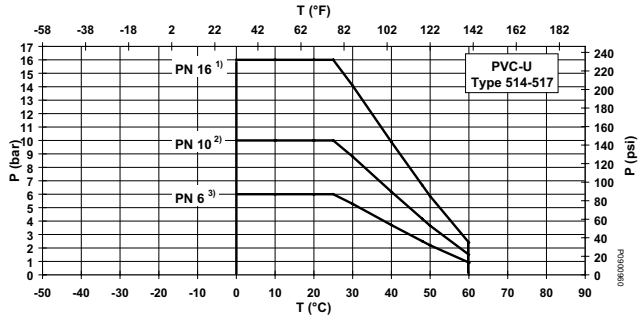


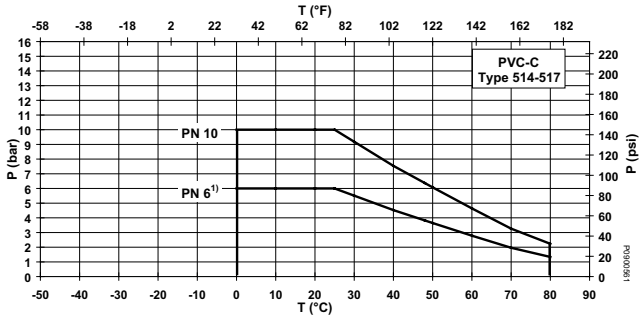
PP 14"–24"

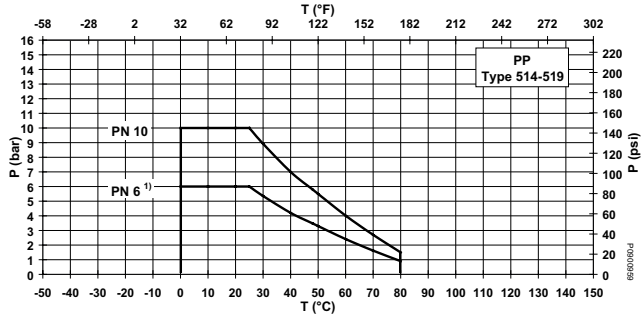


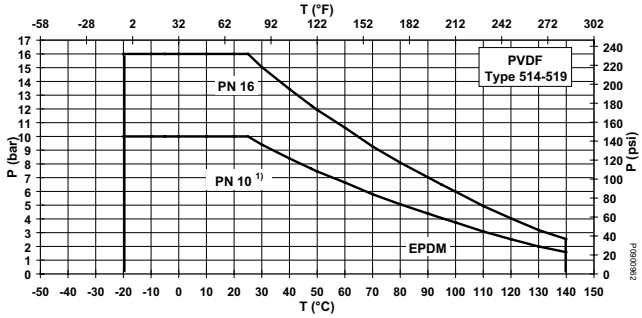
Pressure/Temperature Characteristics

Diaphragm Valves

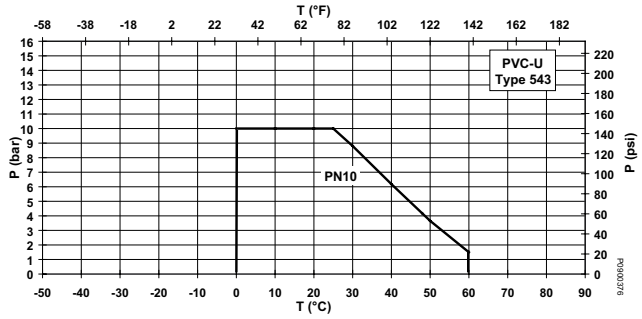


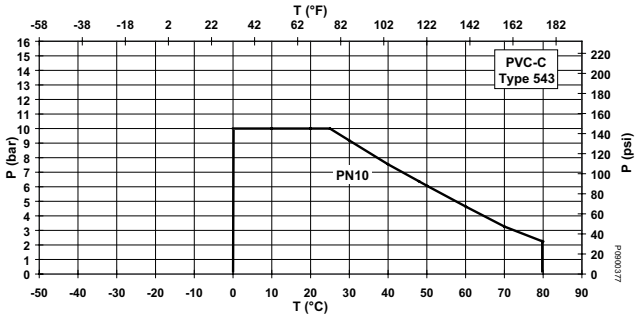


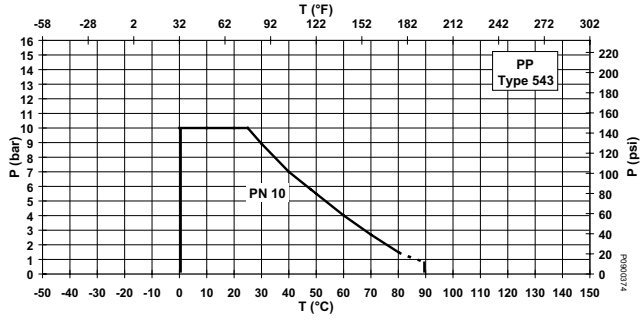


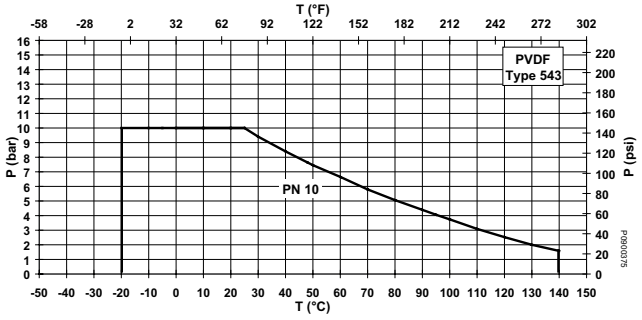


3-Way Ball Valves





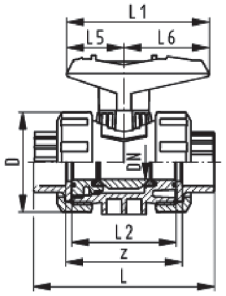


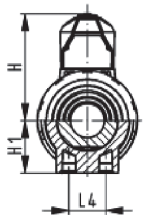


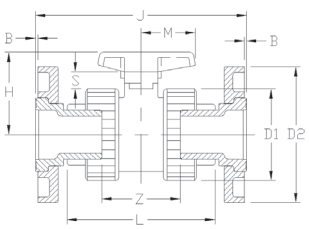
C_v Values (C_v = gallons/min @ 1 psi drop)

Nominal size	546 353–355 370, 375	543	523	514 515 517 317	Diastar	563 567 568	VFA	301 304 Y-Globe Y-Check	306 Line Strainer	522 Needle/ Globe/ Angle Valve	369 Wafer Check Valve	561, 562 Ball Check Valve
	Ball Valve			Diaphragm Valve		Butterfly Valve						
¼	2.20	—	—	—	—	—	—	—	—	0.31/0.43	—	—
⅜	4.97	3.43	0.77	—	—	—	—	—	—	0.31/0.43	—	13
½	12.95	5.39	1.40	8.4	8.4	—	—	6.7	2.5	0.62/0.78	—	13
¾	24.50	10.22	—	18.3	18.3	—	—	12.6	4.4	—	—	26
1	49.01	18.20	—	32.5	32.5	—	—	22.9	6.0	—	—	32
1¼	70.02	30.60	—	51.3	51.3	—	—	33.9	10.5	—	—	59
1½	112.04	46.70	—	85.3	85.3	—	—	50.7	15.8	—	25.9	75
2	217.08	90.54	—	116.8	116.8	103	—	79.1	24.2	—	63.0	115
2½	350	—	—	69.4	69.4	154	176	—	—	—	79.8	204
3	490	—	—	119	119	210	227	175.0	66.5	63.5	130.9	248
4	770	—	—	189	189	455	462	—	—	—	200.9	286
5	—	—	—	—	—	805	835	—	—	—	399.0	—
6	1120	—	—	422	422	1162	1261	—	—	—	483.0	—
8	—	—	—	—	—	2772	2101	—	—	—	1316.0	—
10	—	—	—	—	—	3570	—	—	—	—	1750.0	—
12	—	—	—	—	—	5110	—	—	—	—	1932.0	—
14	—	—	—	—	—	6300	—	—	—	—	—	—
16	—	—	—	—	—	8050	—	—	—	—	—	—
18	—	—	—	—	—	10,850	—	—	—	—	—	—
20	—	—	—	—	—	14,280	—	—	—	—	—	—
24	—	—	—	—	—	18,550	—	—	—	—	—	—

Dimensions





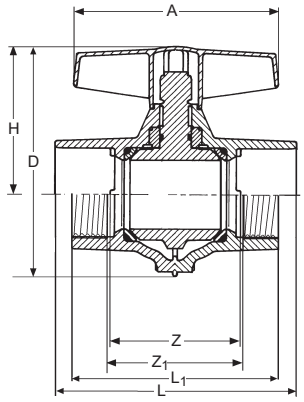


Type 546 True Union Ball Valve (PVC/CPVC)

inch	DN	D	H	H_1	L	L_1	L_2	L_4	L_5	L_6	z	lbs
⅜	10	1.97	2.24	1.04	4.13	3.03	2.20	0.98	1.26	1.77	2.64	0.40
½	15	1.97	2.24	1.04	4.13	3.03	2.20	0.98	1.26	1.77	2.40	0.42
¾	20	2.28	2.64	1.18	4.76	3.82	2.56	0.98	1.54	2.28	2.76	0.64
1	25	2.68	2.87	1.40	5.24	3.82	2.80	0.98	1.54	2.28	2.99	0.94
1¼	32	3.31	3.54	1.73	6.06	5.04	3.35	1.77	2.13	2.91	3.54	1.61
1½	40	3.82	3.82	1.99	6.46	5.04	3.50	1.77	2.13	2.91	3.70	2.18
2	50	4.88	4.57	2.52	7.20	5.98	3.98	1.77	2.58	3.41	4.21	3.91
2½	65	6.54	5.87	3.35	9.17	10.63	5.35	2.76	2.52	8.11	5.67	10.8
3	80	7.87	6.34	4.13	10.00	10.63	5.55	2.76	2.52	8.11	5.94	16.3
4	100	9.37	7.01	4.84	11.85	12.60	6.46	4.72	2.52	10.08	6.85	25.4

Type 375 True Union Ball Valve

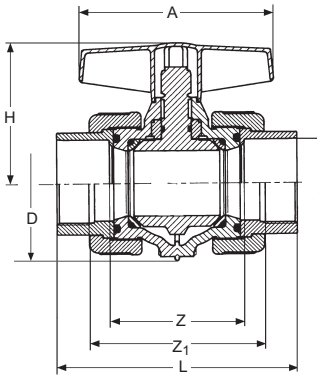
Size	D_1	D_2	L	Z	J	H	M	S	B	approx. Wt. Lbs PVC	approx. Wt. Lbs CPVC
⅜–½	1.88	3.50	3.58	1.84	5.28	2.31	1.44	0.55	0.069	0.4	0.5
¾	2.27	3.88	4.10	2.08	5.79	2.50	1.44	0.55	0.072	0.7	0.8
1	2.63	4.25	4.56	2.34	6.55	3.05	1.85	0.66	0.076	1.1	1.2
1¼	3.06	4.63	5.15	2.65	7.16	3.28	1.85	0.70	0.100	2.0	2.2
1½	3.67	5.00	5.87	3.13	8.13	3.60	2.41	0.88	0.078	2.5	2.7
2	4.48	6.00	6.73	3.68	9.30	3.95	2.41	0.82	0.082	4.3	4.7
2½	5.63	7.00	8.23	4.66	11.26	4.90	3.07	1.00	0.085	11.7	—
3	6.51	7.50	9.60	5.67	12.87	5.28	3.07	0.94	0.090	12.2	—
4	8.15	9.00	11.28	6.46	14.70	6.64	4.03	1.19	0.090	18.2	—



Type 353 Compact Ball Valve

Inch size	A inch	D inch	H inch	L* inch	L_1** inch	Z* inch	Z_1** inch	Weight inch
½	3.07	2.97	2.01	3.04	2.76	1.29	1.41	0.16
¾	3.62	3.35	2.28	3.51	3.06	1.51	1.68	0.21
1	3.62	3.72	2.46	4.13	3.73	1.87	2.03	0.30
1¼	4.57	4.55	3.01	4.69	4.28	2.19	2.50	0.49
1½	4.57	5.04	3.27	5.35	4.62	2.60	2.83	0.68
2	5.51	6.20	4.00	6.30	5.71	3.27	3.82	1.43

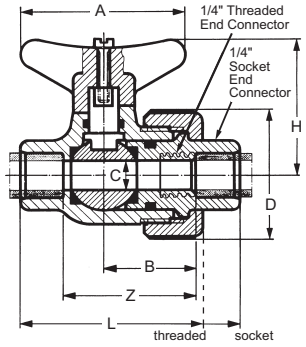
* Solvent cement socket valve ** Threaded (NPT) valve



Type 355 True Union Ball Valve

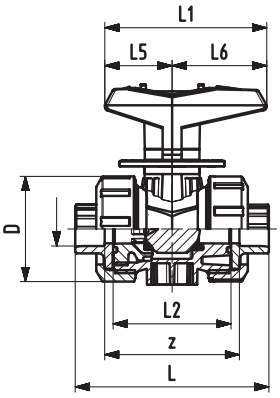
Inch size	A inch	D inch	H inch	L* inch	L_1** inch	Z* inch	Z_1** inch	Weight inch
½	3.07	2.97	2.01	4.06	3.62	2.36	2.59	0.29
¾	3.62	3.35	2.28	4.53	4.09	2.60	2.91	0.40
1	3.62	3.72	2.46	5.00	4.45	2.72	3.11	0.57
1¼	4.57	4.55	3.01	5.63	5.20	3.15	3.70	1.00
1½	4.57	5.04	3.27	6.10	5.79	3.35	4.29	1.29
2	5.51	6.20	4.00	6.77	6.81	3.82	5.00	2.38

* Solvent cement socket valve ** Threaded (NPT) valve



Type 324 Laboratory Ball Cock

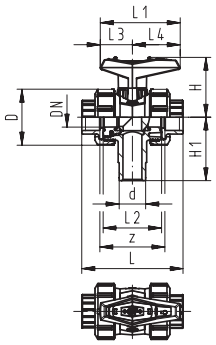
Inch size	A inch	C inch	D inch	H inch	L inch	Z inch	B inch	Weight lbs.
¼ T	1.77	0.32	1.34	1.50	1.96	1.02	0.59	0.088
¼ S	1.77	0.32	1.34	1.50	2.36	1.42	0.98	0.099



Type 523 Metering Ball Valve

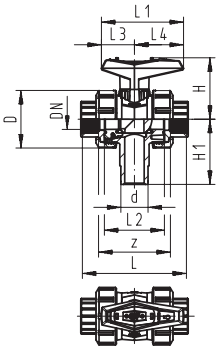
Inch size	D inch	H inch	H1 inch	H2 inch	L inch	L1 inch	L2 inch	L4 inch	L5 inch	L6 inch	M	z inch
⅜	1.97	2.68	1.06	0.47	4.13	3.03	2.20	0.98	1.26	1.77	6	2.64
½	1.97	2.68	1.06	0.47	4.13	3.03	2.20	0.98	1.26	1.77	6	2.40

Type 543 3-Way Ball Valve PVC/CPVC



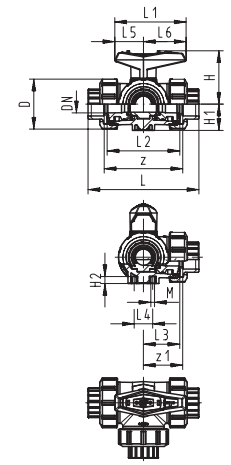
Vertical/L-port
With solvent cement sockets ASTM

Inch	PSI	Cv value	D inch	L inch	L1 inch	L2 inch	L3 inch	L4 inch	H inch	H1 inch	z inch
⅜	150	3	1.97	4.17	3.03	2.20	1.26	1.77	2.24	2.44	2.64
½	150	5	1.97	4.13	3.03	2.20	1.26	1.77	2.24	2.44	2.40
¾	150	10	2.28	4.76	3.82	2.60	1.54	2.28	2.64	2.83	2.76
1	150	18	2.68	5.24	3.82	2.80	1.54	2.28	2.87	3.03	2.99
1¼	150	31	3.31	5.98	5.04	3.35	2.13	2.91	3.54	3.43	3.54
1½	150	47	3.82	6.50	5.04	3.50	2.13	2.91	3.82	3.82	3.70
2	150	91	4.88	7.20	5.98	3.98	2.60	3.43	4.57	4.41	4.21



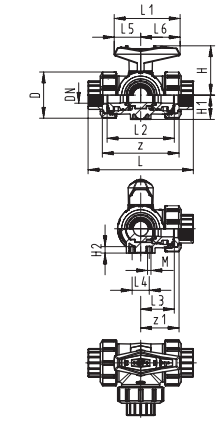
Vertical/L-port
With threaded sockets NPT

NPT inch	PSI	Cv value	D inch	L inch	L1 inch	L2 inch	L3 inch	L4 inch	H inch	H1 inch	z inch
⅜	150	3	1.97	3.86	3.03	2.20	1.26	1.77	2.24	2.44	2.76
½	150	5	1.97	3.86	3.03	2.20	1.26	1.77	2.24	2.44	2.52
¾	150	10	2.28	4.41	3.82	2.60	1.54	2.28	2.64	2.83	2.99
1	150	18	2.68	5.00	3.82	2.80	1.54	2.28	2.87	3.03	3.27
1¼	150	31	3.31	5.75	5.04	3.35	2.13	2.91	3.54	3.43	3.90
1½	150	47	3.82	6.18	5.04	3.50	2.13	2.91	3.82	3.82	4.37
2	150	91	4.88	7.20	5.98	3.98	2.60	3.43	4.57	4.41	5.31



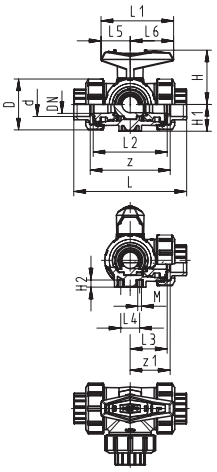
Horizontal/T-port
With solvent cement sockets ASTM

Size	PSI	Cv value	D inch	L inch	L1 inch	L2 inch	L3 inch	L4 inch	L5 inch	L6 inch	H inch	H1 inch	H2 inch	M	z inch	z1 inch
⅜	150	4	1.97	4.84	3.03	2.87	1.42	0.98	1.26	1.77	2.24	1.10	0.31	6	3.35	1.65
½	150	5	1.97	4.80	3.03	2.87	1.42	0.98	1.26	1.77	2.24	1.10	0.31	6	3.03	1.50
¾	150	11	2.28	5.55	3.82	3.39	1.69	0.98	1.54	2.28	2.64	1.26	0.31	6	3.62	1.81
1	150	20	2.68	6.34	3.82	3.90	1.97	0.98	1.54	2.28	2.87	1.42	0.31	6	4.13	2.09
1¼	150	34	3.31	7.36	5.04	4.72	2.36	1.77	2.13	2.91	3.54	1.77	0.35	8	4.96	2.48
1½	150	43	3.82	8.39	5.04	5.39	2.72	1.77	2.13	2.91	3.82	2.01	0.35	8	5.63	2.83
2	150	86	4.88	10.28	5.98	7.05	3.50	1.77	2.60	3.43	4.57	2.56	0.35	8	7.28	3.62



Horizontal/T-port
With threaded sockets NPT

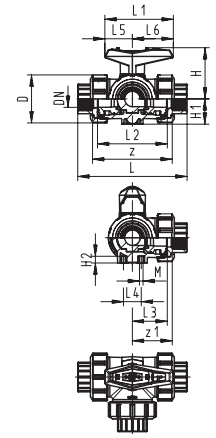
NPT	PSI	Cv value	D inch	L inch	L1 inch	L2 inch	L3 inch	L4 inch	L5 inch	L6 inch	H inch	H1 inch	H2 inch	M	z inch	z1 inch
⅜	150	4	1.97	4.53	3.03	2.87	1.42	0.98	1.26	1.77	2.24	1.10	0.31	6	3.43	1.69
½	150	5	1.97	4.49	3.03	2.87	1.42	0.98	1.26	1.77	2.24	1.10	0.31	6	3.19	1.57
¾	150	11	2.28	5.16	3.82	3.39	1.69	0.98	1.54	2.28	2.64	1.26	0.31	6	3.78	1.89
1	150	20	2.68	6.10	3.82	3.90	1.97	0.98	1.54	2.28	2.87	1.42	0.31	6	4.37	2.20
1¼	150	34	3.31	7.13	5.04	4.72	2.36	1.77	2.13	2.91	3.54	1.77	0.35	8	5.28	2.64
1½	150	43	3.82	8.07	5.04	5.39	2.72	1.77	2.13	2.91	3.82	2.01	0.35	8	6.26	3.15
2	150	86	4.88	10.28	5.98	7.05	3.50	1.77	2.60	3.43	4.57	2.56	0.35	8	8.39	4.17



Type 543 3-Way Ball Valve PP/PVDF

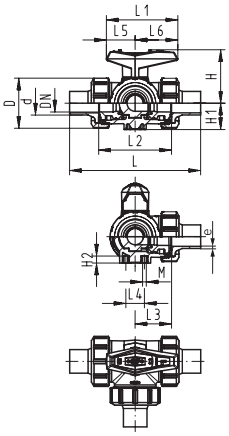
Horizontal/L-port
With fusion sockets metric

d mm	DN mm	PSI	Cv value	d mm	D mm	L mm	L1 mm	L2 mm	L3 mm	L4 mm	L5 mm	L6 mm	H mm	H1 mm	H2 mm	M	z mm	z1 mm
16	10	150	13.21	16	50	110	77	72	36	25	32	45	57	28	8	6	82	41
20	15	150	19.81	20	50	112	77	72	36	25	32	45	57	28	8	6	82	41
25	20	150	39.63	25	58	129	97	85	43	25	39	58	67	32	8	6	97	49
32	25	150	73.98	32	68	146	97	98	49	25	39	58	73	36	8	6	110	55
40	32	150	126.82	40	84	170	128	118	59	45	54	74	90	45	9	8	132	66
50	40	150	163.80	50	97	193	128	135	68	45	54	74	97	51	9	8	151	76
63	50	150	324.97	63	124	244	152	176	88	45	66	87	116	65	9	8	188	94



Horizontal/L-port
With threaded sockets NPT

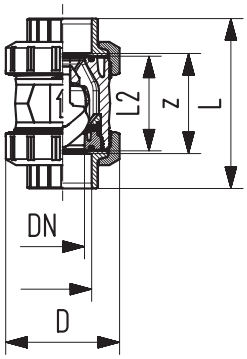
NPT inch	DN mm	PSI	Cv value	D mm	L mm	L1 mm	L2 mm	L3 mm	L4 mm	L5 mm	L6 mm	H mm	H1 mm	H2 mm	M	z mm	z1 mm
⅜	10	150	13.21	50	112	77	72	36	25	32	45	57	28	8	6	86	43
½	15	150	19.81	50	114	77	72	36	25	32	45	57	28	8	6	80	40
¾	20	150	39.63	58	131	97	85	43	25	39	58	67	32	8	6	95	48
1	25	150	73.98	68	154	97	98	49	25	39	58	73	36	8	6	110	55
1¼	32	150	126.82	84	180	128	118	59	45	54	74	90	45	9	8	132	66
1½	40	150	163.80	97	203	128	135	68	45	54	74	97	51	9	8	157	79
2	50	150	324.97	124	258	152	176	88	45	66	87	116	65	9	8	210	105



Horizontal/L-port
With butt fusion spigots IR-Plus metric

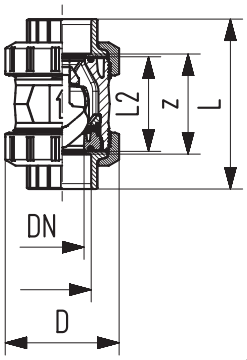
d mm	DN mm	PSI	Cv value	D mm	L mm	L1 mm	L2 mm	L3 mm	L4 mm	L5 mm	L6 mm	H mm	H1 mm	H2 mm	M	e mm
20	15	150	19.81	50	146	77	72	36	25	32	45	57	28	8	6	1.9
25	20	150	39.63	58	163	97	85	43	25	39	58	67	32	8	6	1.9
32	25	150	73.98	68	178	97	98	49	25	39	58	73	36	8	6	2.4
40	32	150	126.82	84	204	128	118	59	45	54	74	90	45	9	8	2.4
50	40	150	163.80	97	237	128	135	68	45	54	74	97	51	9	8	3.0
63	50	150	324.97	124	296	152	176	88	45	66	87	116	65	9	8	3.0

Type 561/562 Cone Check Valve PVC/CPVC



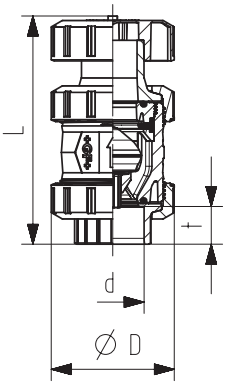
NPT [inch]	D [inch]	L [inch]	L2 [inch]	z [inch]
⅜	1.97	4.13	2.20	2.64
½	1.97	4.13	2.20	2.40
¾	2.28	4.76	2.56	2.76
1	2.68	5.24	2.80	2.99
1¼	3.31	6.06	3.35	3.54
1½	3.82	6.46	3.50	3.70
2	4.88	7.20	3.98	4.21
2½	6.54	9.17	5.35	5.67
3	7.87	10.00	5.55	5.94
4	9.37	11.85	6.46	6.85

Type 561/562 Cone Check Valve PP/PVDF



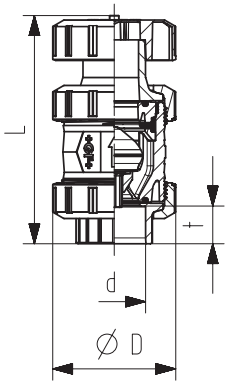
d [mm]	D [inch]	L socket [inch]	L threaded [inch]	L spigot [inch]	L2 [inch]	z [inch]	closest inch
16	1.97	3.66	3.78		2.20	2.64	⅜
20	1.97	3.74	3.90	5.12	2.20	2.60	½
25	2.28	4.29	4.37	5.63	2.56	3.03	¾
32	2.68	4.69	5.00	5.91	2.80	3.27	1
40	3.31	5.31	5.75	6.73	3.35	3.90	1¼
50	3.82	5.79	6.18	7.52	3.50	4.13	1½
63	4.88	6.61	7.20	8.66	3.98	4.61	2
75	6.54	9.17		10.47	5.35	6.57	2½
90	7.87	10.00		10.39	5.55	7.09	3
110	9.37	11.85		11.85	6.46	8.46	4

Type 591/595 Ventilating and Bleed Valves PVC/CPVC

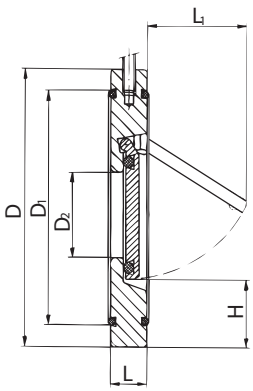


NPT [inch]	d [mm]	DN [mm]	D [inch]	L [inch]	t [inch]
⅜	16	10	1.97	4.37	0.75
½	20	15	1.97	4.69	0.91
¾	25	20	2.28	5.39	0.98
1	32	25	2.68	5.98	1.10
1¼	40	32	3.31	6.93	1.22
1½	50	40	3.82	7.60	1.38
2	63	50	4.88	9.02	1.50
2½	75	65	6.54	10.16	1.77
3	90	80	7.87	10.91	1.89
4	110	100	9.37	12.60	2.28

Type 591/595 Ventilating and Bleed Valves PP /PVDF

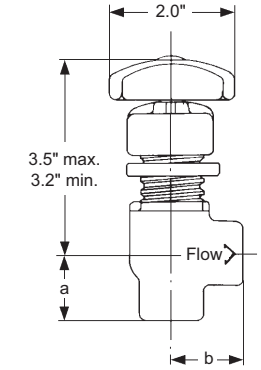


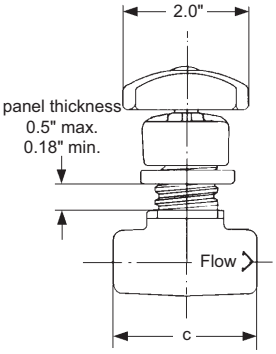
d [mm]	DN [mm]	D [inch]	L [inch]	t [inch]	closest inch
16	10	1.97	4.96	0.55	⅜
20	15	1.97	5.00	0.59	½
25	20	2.28	5.59	0.63	¾
32	25	2.68	6.02	0.71	1
40	32	3.31	6.73	0.75	1¼
50	40	3.82	7.48	0.83	1½
63	50	4.88	8.62	1.10	2
75	65	6.54	10.08	1.14	2½
90	80	7.87	10.83	1.30	3
110	100	9.37	12.52	1.54	4



Type 369 Wafer Check Valve

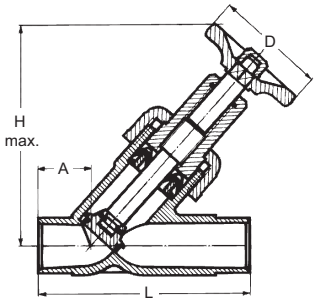
Dimensions							Opening Pressure (psi)				Minimum water column for sealing (ft.)
Inch	D [mm]	D1 [mm]	D2 [mm]	L [mm]	L1 [mm]	H [mm]	Vertical without spring	Vertical with spring	Horizontal without spring	Horizontal with spring	PVC
1½	95	72	22	16	25	28	0.15	0.44	0.01	0.29	6.5
2	109	86	32	18	37	292	0.15	0.44	0.01	0.29	6.5
2½	129	105	40	20	50	31	0.15	0.44	0.01	0.29	6.5
3	144	119	54	20	61	32	0.15	0.44	0.01	0.29	6.5
4	164	146	70	23	77	31	0.15	0.44	0.01	0.29	6.5
5	195	173	92	23	94	35	0.15	0.44	0.01	0.29	6.5
6	220	197	112	26	115	35	0.15	0.44	0.01	0.29	6.5
8	275	255	154	35	152	38	0.26	0.55	0.01	0.29	6.5
10	330	312	192	40	180	41	0.26	0.55	0.01	0.29	6.5
12	380	363	227	45	215	41	0.26	0.55	0.01	0.29	6.5





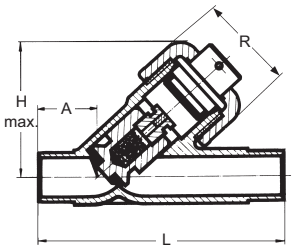
Type 522 Needle Valve

Inch size	Angle body style		Globe body style				
	Inlet inch	Outlet inch	a inch	b inch	Inlet inch	Outlet inch	c inch
¼	0.25	0.187	1.00	1.10	0.187	0.187	2.28
⅜	0.25	0.187	1.00	1.10	0.187	0.187	2.28
½	0.25	0.218	1.10	1.20	0.218	0.218	2.57



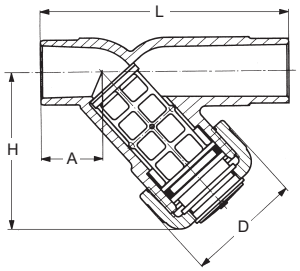
Type 301 Y-Globe Valve

Inch size	L inch	D inch	H max. inch	A inch	Weight lbs.
½	5.62	2.48	4.96	1.47	0.40
¾	6.30	2.48	5.51	1.77	0.55
1	6.83	3.15	6.54	1.84	0.85
1¼	7.40	3.15	7.52	2.08	1.30
1½	8.07	3.94	9.17	2.11	2.15
2	8.86	3.94	10.39	2.46	3.25
3	12.23	7.87	15.35	3.56	8.70



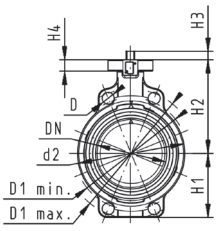
Type 304 Y-Check Valve

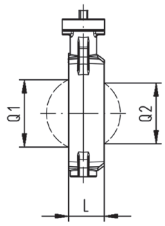
Inch size	L inch	H inch	A inch	R inch	Weight lbs.
½	5.62	2.56	1.47	1.89	0.31
¾	6.30	3.00	1.77	2.13	0.44
1	6.83	3.56	1.84	2.44	0.77
1¼	7.40	4.13	2.08	2.80	1.10
1½	8.07	4.88	2.11	3.47	1.91
2	8.86	5.81	2.46	4.06	3.15
3	12.23	8.06	3.56	4.72	7.70

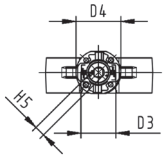


Type 306 Line Strainer

Inch size	L inch	D inch	H inch	A inch	Weight lbs.
½	5.62	1.89	2.56	1.34	0.24
¾	6.30	2.13	3.00	1.70	0.37
1	6.83	2.44	3.56	1.72	0.56
1¼	7.40	2.80	4.13	1.83	0.84
1½	8.07	3.47	4.88	2.05	1.40
2	8.86	4.06	5.81	2.36	2.21
3	12.23	4.72	8.06	3.84	5.66

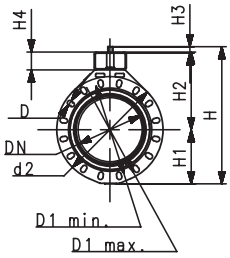


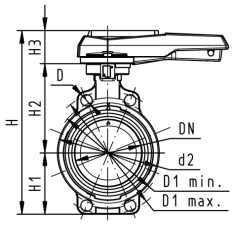


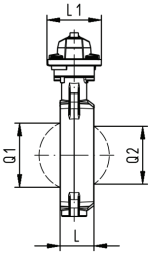


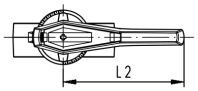
Type 567 Bare Shaft

Inch	psi	d mm	D inch	D1 min. inch	D1 max. inch	d2 inch	D3 inch	D4 inch	H1 inch	H2 inch	H3 inch	H4 inch	H5 inch	L inch	Q1 inch	Q2 inch
2	150	63	0.75	4.72	4.92	4.09	2.76	3.54	3.03	5.28	1.06	0.91	0.43	1.77	1.57	
2½	150	75	0.75	5.51	5.71	4.53	2.76	3.54	3.27	5.51	1.06	0.91	0.43	1.81	2.13	1.38
3	150	90	0.75	5.91	6.30	5.16	2.76	3.54	3.50	5.75	1.06	0.91	0.43	1.93	2.64	1.97
4	150	110	0.75	6.89	7.52	6.34	2.76	3.54	4.09	6.57	0.63	0.91	0.55	2.20	3.46	2.91
5	150	140	0.91	8.27	8.50	7.36	2.76	3.54	4.61	7.13	0.63	0.91	0.55	2.52	4.45	3.82
6	150	160	0.94	9.49	9.49	8.46	2.76	3.54	5.12	7.44	0.75	0.91	0.67	2.83	5.47	4.84
8	150	225	0.91	11.42	11.61	10.51	2.76	3.54	6.22	8.27	0.75	0.91	0.67	2.87	7.01	6.65
10	150	280	0.98	13.90	14.25	12.95	4.02	4.92	8.07	10.39	1.57	0.91	0.87	4.45	8.27	8.15
12	150	315	0.98	15.75	17.01	14.92	4.02	4.92	8.98	11.22	1.57	0.91	0.87	4.45	10.08	9.96
14	90	355	1.14	17.52	18.78	21.06	4.92	7.09	10.55	16.14	1.22	3.94	1.06	5.08	12.80	12.01
16	90	400	1.14	20.08	21.26	23.43	4.92	7.09	11.81	17.13	1.22	3.94	1.06	6.65	13.90	13.78
18	75	450	1.26	22.24	22.76	25.00	5.51	8.66	12.60	20.47	1.38	4.72	1.42	7.05	15.47	15.35
20	60	500	1.26	24.41	25.00	27.56	5.51	8.66	13.78	21.65	1.38	4.72	1.42	7.48	17.48	17.32
24	60	630	1.38	28.54	29.53	32.01	5.51	8.66	16.54	24.02	1.38	4.72	1.42	8.23	20.87	20.75





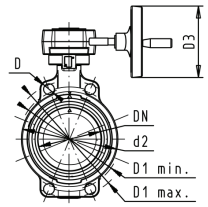


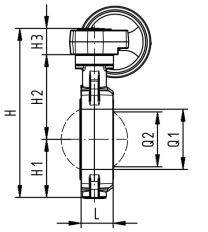


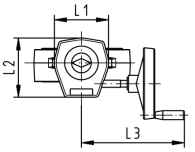
Type 567 with Hand Lever

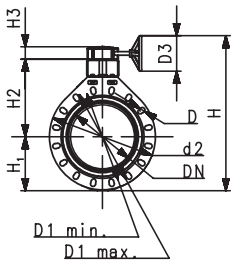
note: 10" and 12" max 90 psi for safety

Inch	psi	d mm	D inch	D1 min. inch	D1 max. inch	d2 inch	H inch	H1 inch	H2 inch	H3 inch	L inch	L1 inch	L2 inch	Q1 inch	Q2 inch
2	150	63	0.75	4.72	4.92	4.09	10.39	3.03	5.28	2.13	1.77	4.17	8.07	1.57	
2½	150	75	0.75	5.50	5.71	4.53	10.91	3.27	5.51	2.13	1.81	4.17	8.07	2.13	1.38
3	150	90	0.75	5.91	6.30	5.16	11.38	3.50	5.75	2.13	1.93	4.17	8.07	2.64	1.97
4	150	110	0.75	6.89	7.50	6.34	12.80	4.09	6.57	2.17	2.20	4.17	10.04	3.46	2.91
5	150	140	0.91	8.27	8.50	7.36	13.86	4.61	7.13	2.17	2.52	4.17	10.04	4.45	3.82
6	150	160	0.94	9.50	9.50	8.46	14.69	5.12	7.44	2.17	2.83	4.17	10.04	5.47	4.84
8	150	225	0.91	11.42	11.61	10.51	17.13	6.22	8.27	2.64	2.87	5.51	16.06	7.01	6.65
10	150	280	0.98	13.90	14.25	12.95	21.81	8.07	10.39	3.35	4.45	5.87	16.06	8.27	8.15
12	150	315	0.98	15.75	17.01	14.92	23.54	8.98	11.22	3.35	4.45	5.87	16.06	10.08	9.96



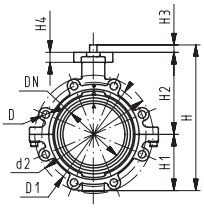


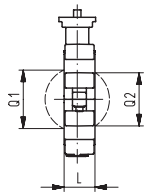


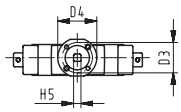


Type 567 Gear Operator

Inch	psi	d mm	D inch	D1 min. inch	D1 max. inch	d2 inch	D3 inch	H1 inch	H2 inch	H3 inch	L inch	L1 inch	L2 inch	L3 inch	Q1 inch	Q2 inch
2	150	63	0.75	4.72	4.92	4.09	5.91	3.03	5.28	1.97	1.77	4.33	4.72	6.10	1.57	
2½	150	75	0.75	5.51	5.71	4.53	5.91	3.27	5.51	1.97	1.81	4.33	4.72	6.10	2.13	1.38
3	150	90	0.75	5.91	6.30	5.16	5.91	3.50	5.75	1.97	1.93	4.33	4.72	6.10	2.64	1.97
4	150	110	0.75	6.89	7.52	6.30	5.91	4.09	6.57	1.97	2.20	4.33	4.72	6.10	3.46	2.91
5	150	140	0.91	8.27	8.50	7.36	5.91	4.61	7.13	1.97	2.52	4.33	4.72	6.10	4.45	3.82
6	150	160	0.94	9.49	9.49	8.46	5.91	5.12	7.44	1.97	2.83	4.33	4.72	6.10	5.47	4.84
8	150	225	0.91	11.42	11.61	10.51	5.91	6.22	8.27	1.97	2.87	4.33	4.72	6.10	7.01	6.65
10	120	280	0.98	13.90	14.25	12.95	7.87	8.07	10.39	2.17	4.45	5.12	5.51	7.87	8.27	8.15
12	120	315	0.98	15.75	17.01	14.92	7.87	8.98	11.22	2.17	4.45	5.12	5.51	7.87	10.08	9.96
14	90	355	1.14	17.52	18.78	21.06	7.87	10.55	16.14	2.72	5.08	7.09	6.61	8.58	12.80	12.01
16	90	400	1.14	20.08	21.26	23.43	7.87	11.81	17.13	2.72	6.65	7.09	7.68	8.58	13.90	13.78
18	75	450	1.26	22.24	22.76	25.00	9.84	12.60	20.47	3.19	7.05	8.66	7.68	9.45	15.47	15.35
20	60	500	1.26	24.41	25.00	27.56	13.78	13.78	21.65	3.70	7.48	8.66	8.90	10.24	17.48	17.32
24	60	630	1.38	28.54	29.53	32.01	13.78	16.54	24.02	3.70	8.23	8.66	10.24	10.24	20.87	20.75

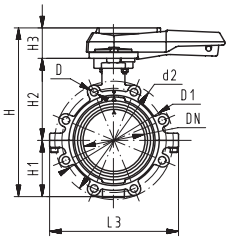


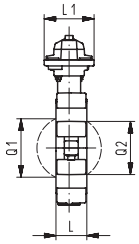


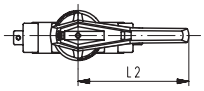


Type 568 Bare Shaft

Inch	psi	d2 inch	D	D1 inch	D3 inch	D4 mm	H inch	H1 inch	H2 inch	H3 inch	H4 inch	L inch	Q1 inch	Q2 inch	H5 mm
2	150	5.91	5/8	4.76	2.76	90	8.74	3.03	5.28	1.06	0.91	1.77	1.57		11
2½	150	6.69	5/8	5.43	2.76	90	9.25	3.27	5.51	1.06	0.91	1.81	2.13	1.38	11
3	150	6.97	5/8	5.98	2.76	90	9.72	3.50	5.75	1.06	0.91	1.93	2.64	1.97	11
4	150	8.50	5/8	7.52	2.76	90	11.30	4.09	6.57	0.63	0.91	2.20	3.46	2.91	14
5	150	9.69	3/4	8.50	2.76	90	12.32	4.61	7.13	0.63	0.91	2.52	4.45	3.82	14
6	150	10.75	3/4	9.49	2.76	90	13.19	5.12	7.44	0.75	0.91	2.83	5.47	4.84	17
8	150	13.15	3/4	11.73	2.76	90	15.24	6.22	8.27	0.75	0.91	2.87	7.01	6.65	17

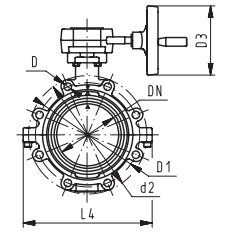


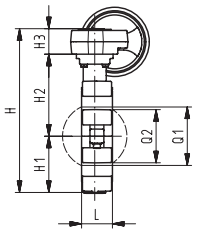


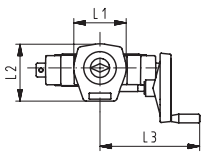


Type 568 with Hand Lever

Inch	psi	d2 inch	D	D1 inch	H inch	H1 inch	H2 inch	H3 inch	L inch	L1 inch	L2 inch	L3 inch	Q1 inch	Q2 inch
2	150	5.91	5/8	4.76	10.43	3.03	5.28	2.13	1.77	4.17	8.07	5.91	1.57	
2½	150	6.69	5/8	5.43	10.91	3.27	5.51	2.13	1.81	4.17	8.07	6.30	2.13	1.38
3	150	6.97	5/8	5.98	11.38	3.50	5.75	2.13	1.93	4.17	8.07	6.89	2.64	1.97
4	150	8.50	5/8	7.52	12.83	4.09	6.57	2.17	2.20	4.17	10.04	9.61	3.46	2.91
5	150	9.69	3/4	8.50	13.90	4.61	7.13	2.17	2.52	4.17	10.04	10.71	4.45	3.82
6	150	10.75	3/4	9.49	14.72	5.12	7.44	2.17	2.83	4.17	10.04	11.69	5.47	4.84
8	150	13.15	3/4	11.73	17.13	6.22	8.27	2.64	2.87	5.51	16.06	14.17	7.01	6.65



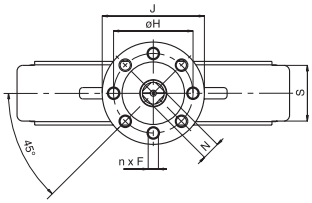




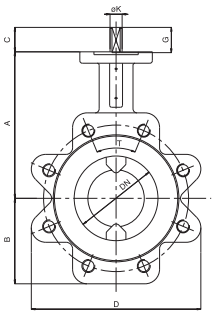
Type 568 with Gear Operator

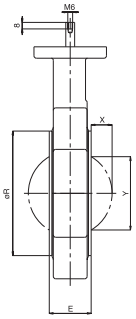
Inch	psi	d2 inch	D	D1 inch	D3 inch	H inch	H1 inch	H2 inch	H3 inch	L inch	L1 inch	L2 inch	L3 inch	L4 inch	Q1 inch	Q2 inch
2	150	5.91	5/8	4.76	5.91	10.98	3.03	5.28	1.97	1.77	4.33	4.72	6.10	5.91	1.57	
2½	150	6.69	5/8	5.43	5.91	11.46	3.27	5.51	1.97	1.81	4.33	4.72	6.10	6.30	2.13	1.38
3	150	6.97	5/8	5.98	5.91	11.93	3.50	5.75	1.97	1.93	4.33	4.72	6.10	6.89	2.64	1.97
4	150	8.50	5/8	7.52	5.91	13.35	4.09	6.57	1.97	2.20	4.33	4.72	6.10	9.61	3.46	2.91
5	150	9.69	3/4	8.50	5.91	14.41	4.61	7.13	1.97	2.52	4.33	4.72	6.10	10.71	4.45	3.82
6	150	10.75	3/4	9.49	5.91	15.24	5.12	7.44	1.97	2.83	4.33	4.72	6.10	11.69	5.47	4.84
8	150	13.15	3/4	11.73	5.91	17.17	6.22	8.27	1.97	2.87	4.33	4.72	6.10	14.17	7.01	6.65

Type 365 HP Lug Style Butterfly Valve



DN 125 - 300

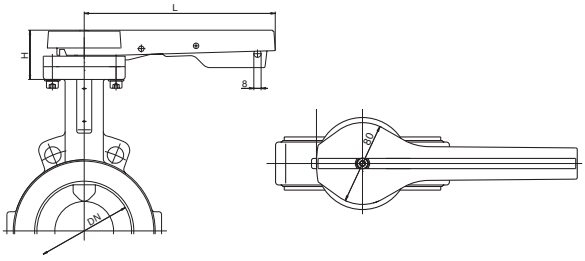




Valve Dimensions in mm

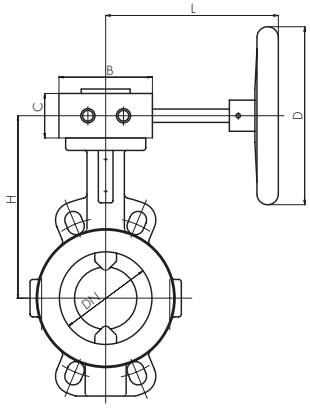
Size inch	Size mm	Type	A	B	C	D	E	n x F	G	øH	øJ	øK	øR	S	X	Y	weight (lbs)
2	63	F05	135	65	26	160	43	8 x Ø7	27	50	65	14	95	38	5	31	7.50
2½	75	F07	150	85	27	176	46	4 x Ø9	28	70	90	14	120	41	11.5	52	9.25
3	90	F07	160	93.5	29	188	46	4 x Ø9	30	70	90	14	132	41	18.5	69	13.45
4	110	F07	180	105	29	210	52	4 x Ø9	30	70	90	14	153	45	26.5	91	17.42
6	160	F07	210	140	46	269	56	4 x Ø9	47	70	90	20	209	50	48.5	143	29.76
8/9	225	F12	240	170	65	360	60	8 x Ø13	66	125	150	24	259	56	71.5	196	51.37
10	250	F12	275	205	65	435	68	8 x Ø13	66	125	150	28	309	64	91.5	243	70.76
12	315	F12	310	250	65	500	78	8 x Ø13	66	125	150	35	364	74	111.5	293	110.01

Note: Slotted locating holes for wafer and lugged version according following flange accommodation:
DIN PN 10/16 (DN40-DN150), DIN PN 10 (DN200-DN300), ANSI 150 (DN40-DN300), JIS 10 K (DN40-DN150).



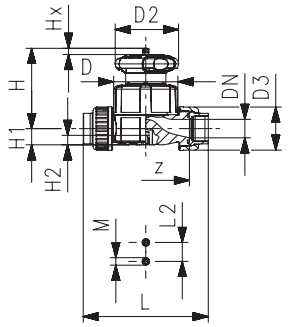
Lever Dimensions

Size	L	H
2	210	51
2½	300	54
3	300	54
4	300	54



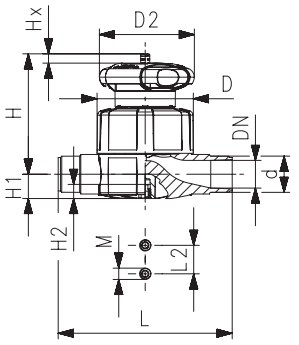
Gear Operator Dimensions

Size mm	Size inch	ISO	B	C	D	H	J	L	Weight lbs.
63	2	F05	102	68	200	164	29	187	8.16
75	2½	F07	102	68	200	179	29	187	8.16
90	3	F08	102	68	200	189	29	187	8.16
110	4	F09	102	68	200	209	29	187	8.16
160	6	F11	102	68	200	239	29	187	8.16
200/225	8	F12	138	89	250	280.5	40.5	203	21.38
250	10	F12	138	89	250	315.5	40.5	203	21.38
315	12	F12	138	89	315	350.5	40.5	209	21.38



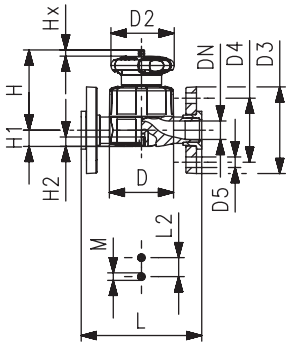
Type 514 True Union Diaphragm Valve

Inch	d	DN	D2 [inch]	D3 [inch]	L [inch]	L2 [inch]	H [inch]	H1 [inch]	H2 [inch]	M	z [inch]	Lift = Hx [inch]
½	20	15	2.56	1.69	5.55	0.98	2.87	0.55	0.47	M6	3.78	0.28
¾	25	20	2.56	2.01	6.50	0.98	3.19	0.71	0.47	M6	4.49	0.39
1	32	25	3.43	2.28	7.05	0.98	4.21	0.87	0.47	M6	4.80	0.51
1¼	40	32	3.43	2.83	8.03	1.77	4.53	1.02	0.59	M8	5.51	0.59
1½	50	40	5.31	3.27	9.06	1.77	5.83	1.26	0.59	M8	6.30	0.75
2	63	50	5.31	3.94	10.55	1.77	6.54	1.54	0.59	M8	7.48	0.98



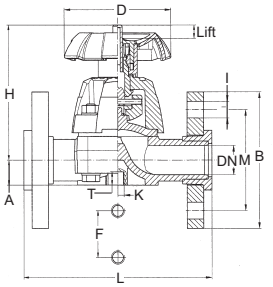
Type 515 Spigot Diaphragm Valve

d	DN	D [inch]	D2 [inch]	L [inch]	L2 [inch]	H [inch]	H1 [inch]	H2 [inch]	M	Lift = Hx [inch]	e [mm]	closest inch
20	15	2.56	2.56	4.88	0.98	2.87	0.55	0.47	M6	0.28	1.9	½
25	20	3.15	2.56	5.67	0.98	3.19	0.71	0.47	M6	0.39	2.3	¾
32	25	3.46	3.43	6.06	0.98	4.21	0.87	0.47	M6	0.51	2.9	1
40	32	3.98	3.43	6.85	1.77	4.53	1.02	0.59	M8	0.59	3.7	1¼
50	40	4.61	5.31	7.64	1.77	5.83	1.26	0.59	M8	0.75	4.6	1½
63	50	5.67	5.31	8.78	1.77	6.54	1.54	0.59	M8	0.98	5.8	2



Type 517 Flanged Diaphragm Valve

Inch	DN	D [inch]	D2 [inch]	D3 [inch]	D4 [inch]	D5 [inch]	L [inch]	L2 [inch]	H [inch]	H1 [inch]	H2 [inch]	M	Lift = Hx [inch]
½	15	2.56	2.56	3.74	2.36	0.63	5.12	0.98	2.87	0.55	0.47	M6	0.28
¾	20	3.15	2.56	4.13	2.76	0.63	5.91	0.98	3.19	0.71	0.47	M6	0.39
1	25	3.46	3.43	4.53	3.11	0.63	6.30	0.98	4.21	0.87	0.47	M6	0.51
1¼	32	3.98	3.43	5.51	3.50	0.63	7.09	1.77	4.53	1.02	0.59	M8	0.59
1½	40	4.61	5.31	5.91	3.86	0.63	7.87	1.77	5.83	1.26	0.59	M8	0.75
2	50	5.67	5.31	6.50	4.76	0.75	9.06	1.77	6.54	1.54	0.59	M8	0.98



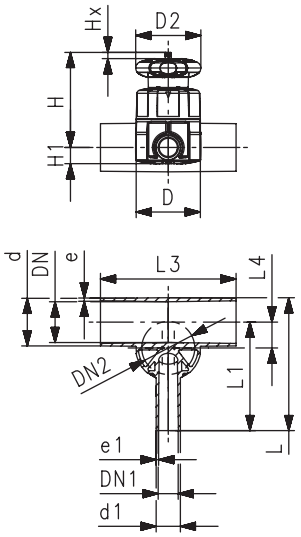
Type 317 Flanged Diaphragm Valve

Inch size	A inch	D inch	H inch	L inch	L* inch CPVC	M inch	I inch	# bolt holes	F inch	K** mm	T inch	Lift inch	B (inch) PVC/ PP	B (inch) PVDF	Weights (lbs.) PVC	Weights (lbs.) PP	Weights (lbs.) PVDF
2½	1.81	5.98	7.91	11.42	–	5.50	0.71	4	2.76	M8	0.59	1.181	7.28	7.01	9.5	10.4	12.6
3	2.24	10.63	10.43	12.20	–	6.00	0.71	4	4.72	M12	0.91	1.575	7.87	7.87	21.4	18.1	24.0
4	2.72	10.63	11.97	13.78	–	7.50	0.71	8	4.72	M12	0.91	1.969	9.02	9.02	30.0	25.4	33.5
6	4.25	15.75	17.20	18.90	–	9.50	0.87	8	3.94	M12	0.91	2.756	11.22	11.22	59.5	55.1	68.3

*Serrated face is raised approximately 1/16", with loose CPVC flange ring **metric thread

Legend
L(1) PVC & CPVC socket union
L(2) PVC & CPVC NPT
L(3) Union with fusion socket
L(4) Union with butt fusion spigot
L(5) Butt fusion spigot
L(6) PVC & CPVC metric spigot
L(7) Socket fusion spigot
L(8) ANSI flanged

All data in millimeter [mm] unless otherwise indicated



Type 519 Zero Static

d [mm]	d1 [mm]	DN [mm]	DN1 [mm]	DN2 [mm]	D [inch]	D2 [inch]	L [inch]	L1 [inch]	L3 [inch]	L4 [inch]	H [inch]	Lift = Hx [inch]	e [inch]	e1 [inch]	clos-est inch
20	20	15	15	15	2.56	2.56	4.61	3.78	6.38	0.47	2.95	0.28	0.07	0.07	½
25	20	20	15	20	3.15	2.56	5.24	4.25	6.38	0.63	3.15	0.39	0.07	0.07	¾
25	25	20	20	20	3.15	2.56	5.24	4.25	6.38	0.63	3.15	0.39	0.07	0.07	¾
32	20	25	15	20	3.15	2.56	5.59	4.72	6.38	0.75	3.31	0.39	0.09	0.07	1
32	25	25	20	20	3.15	2.56	5.59	4.72	6.38	0.75	3.31	0.39	0.09	0.07	1
32	32	25	25	25	3.46	3.43	5.71	4.72	6.30	0.75	4.21	0.51	0.09	0.09	1
40	20	32	15	25	3.46	3.43	5.87	5.04	7.09	0.91	4.53	0.51	0.09	0.07	1¼
40	25	32	20	25	3.46	3.43	5.87	5.04	7.09	0.91	4.53	0.51	0.09	0.07	1¼
40	32	32	25	25	3.46	3.43	5.87	5.04	7.09	0.91	4.53	0.51	0.09	0.09	1¼
40	40	32	32	25	3.46	3.43	6.85	6.02	7.09	0.91	4.53	0.51	0.09	0.09	1¼
50	20	40	15	20	3.15	2.56	6.30	5.28	7.09	1.06	3.82	0.39	0.12	0.07	1½
50	25	40	20	25	3.46	3.43	6.30	5.28	7.09	1.10	4.72	0.51	0.12	0.07	1½
50	32	40	25	25	3.46	3.43	6.30	5.28	7.09	1.10	4.72	0.51	0.12	0.09	1½
50	40	40	32	50	5.67	5.31	8.23	6.65	8.23	1.30	6.46	0.98	0.12	0.09	1½
50	50	40	40	50	5.67	5.31	8.23	6.65	8.23	1.30	6.46	0.98	0.12	0.12	1½
63	20	50	15	20	3.15	2.56	6.97	5.67	7.09	1.30	4.09	0.39	0.12	0.07	2
63	25	50	20	25	3.46	3.43	6.97	5.67	7.09	1.38	5.00	0.51	0.12	0.07	2
63	32	50	25	25	3.46	3.43	6.97	5.67	7.09	1.38	5.00	0.51	0.12	0.09	2
63	40	50	32	50	5.67	5.31	8.86	7.56	8.66	1.54	6.69	0.98	0.12	0.09	2
63	50	50	40	50	5.67	5.31	8.86	7.56	8.66	1.54	6.69	0.98	0.12	0.12	2
63	63	50	50	50	5.67	5.31	8.86	7.56	8.66	1.54	6.69	0.98	0.12	0.12	2
90	20	80	15	25	3.46	3.43	8.07	6.26	7.48	1.85	5.51	0.51	0.17	0.07	3
90	25	80	20	25	3.46	3.43	8.07	6.26	7.48	1.85	5.51	0.51	0.17	0.07	3
90	32	80	25	25	3.46	3.43	8.07	6.26	7.48	1.85	5.51	0.51	0.17	0.09	3
90	50	80	40	50	5.67	5.31	10.00	8.15	9.84	2.01	7.24	0.98	0.17	0.12	3
90	63	80	50	50	5.67	5.31	10.00	8.15	9.84	2.01	7.24	0.98	0.17	0.12	3
110	20	100	15	25	3.46	3.43	8.94	6.73	7.48	2.20	5.87	0.51	0.21	0.07	4
110	25	100	20	25	3.46	3.43	8.94	6.73	7.48	2.20	5.87	0.51	0.21	0.07	4
110	32	100	25	25	3.46	3.43	8.94	6.73	7.48	2.20	5.87	0.51	0.21	0.09	4
110	50	100	40	50	5.67	5.31	10.87	8.62	9.84	2.36	7.64	0.98	0.21	0.12	4
110	63	100	50	50	5.67	5.31	10.87	8.62	9.84	2.36	7.64	0.98	0.21	0.12	4

Legend
L(1) PVC & CPVC socket union
L(2) PVC & CPVC NPT
L(3) Union with fusion socket
L(4) Union with butt fusion spigot
L(5) Butt fusion spigot
L(6) PVC & CPVC metric spigot
L(7) Socket fusion spigot
L(8) ANSI flanged

All data in millimeter [mm] unless otherwise indicated

Pressure Regulating Valves

GF Piping Systems offers three types of pressure regulating valve designs that either reduce, retain or relieve pressure. These valves provide highly accurate and stable pressure control irrespective of fluctuations of inlet pressure or changes in flow demand. The valve body works by balancing an adjustable spring force that pushes downward onto a diaphragm against the force of the process fluid pushing upward.

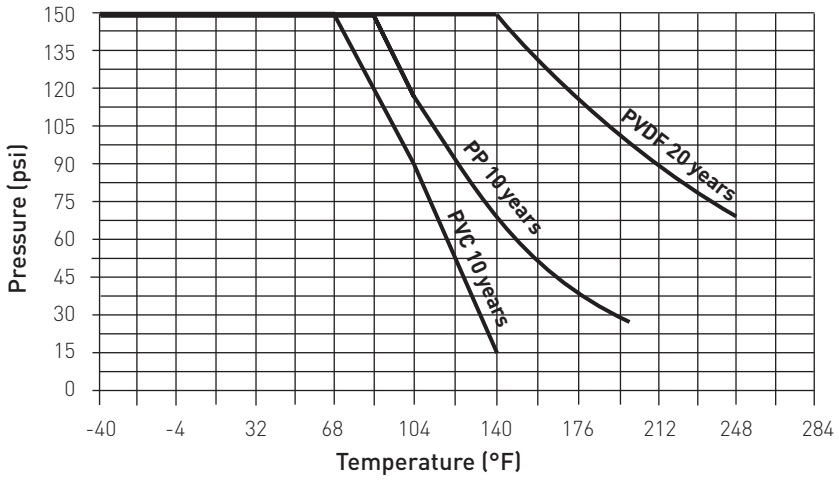
- Adjusted by an adjustment screw and secured with a locknut
- Mechanical valve parts are isolated from the process fluid

Size range	Pressure Range
⅜–2	7 to 150 psi
2½–3	14 to 90 psi
4	14 to 60 psi

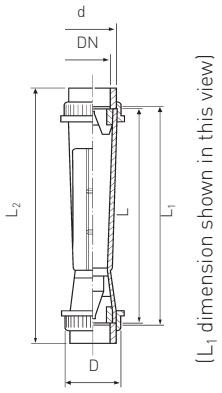
Valve Bodies	Temperature Range	
PVC	32°F to 140°F	0°C to 60°C
PROGEF Polypropylene	–4°F to 176°F	–20°C to 80°C
PVDF/PVDF-HP	–4°F to 248°F	–20°C to 120°C

Diaphragm: EPDM or PTFE
Seals: EPDM or FPM (FPM is supplied on PTFE Diaphragm products)
End Connections: Threaded (NPT), Flanged, Socket Union, Spigot (socket fusion), Butt (IR or BCF)
Fusion Connections: Socket Fusion, IR Plus, BCF Plus

Working Pressure



Dimensions for Industrial Rotameters

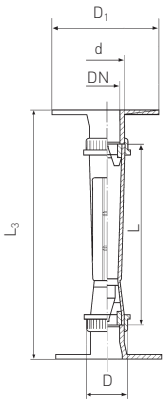


(L_1 dimension shown in this view)

Socket/Threaded

Short Version Type SK

Size		Tube length	Socket laying length	Socket/ Thread	Flange	Nut O.D.	Flange O.D.
d/DN mm	ID inch	L inch	L_1 inch	L_2 inch	L_3 inch	D inch	D_1 inch
16/10	3/8	6.5	6.7	7.4	—	1.38	—
16/10	3/8	6.5	6.7	7.4	—	1.38	—
16/10	3/8	6.5	6.7	7.4	—	1.38	—
20/16	1/2	7.3	7.5	8.2	11.83	1.69	1.73
20/16	1/2	7.3	7.5	8.2	11.83	1.69	1.73
20/16	1/2	7.3	7.5	8.2	11.83	1.69	1.73
32/25	1	7.9	8.1	9.0	17.96	2.36	2.48
32/25	1	7.9	8.1	9.0	17.96	2.36	2.48
32/25	1	7.9	8.1	9.0	17.96	2.36	2.48
32/25	1	7.9	8.1	9.0	17.96	2.36	2.48

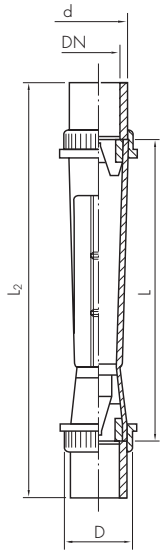


(L_1 not shown in this view)

Flanged

Standard Version Type 335

Size		Tube length	Socket laying length	Socket/ Thread	Flange	Nut O.D.	Flange O.D.
d/DN mm	ID inch	L inch	L_1 inch	L_2 inch	L_3 inch	D inch	D_1 inch
32/25	1	13.2	13.4	14.3	17.96	2.36	2.48
32/25	1	13.2	13.4	14.3	17.96	2.36	2.48
50/40	1½	13.2	13.4	14.5	18.74	3.27	3.23
50/40	1½	13.2	13.4	14.5	18.74	3.27	3.23
63/50	2	13.2	13.4	14.7	18.74	4.06	4.02
63/50	2	13.2	13.4	14.7	18.74	4.06	4.02
75/63	2½	13.2	13.5	14.8	20.35	4.80	4.80
75/63	2½	13.2	13.5	14.8	20.35	4.80	4.80



Dimensions for UPW Rotameters

BCF/IR fusion ends Type SK

	Tube length	BCF/IR	PVDF Nut O.D.
d/DN mm	L inch	L_2 inch	D inch
32/25	7.9	13.4	2.36
50/40	13.2	19.7	3.27
63/50	13.2	19.8	4.06
75/63	13.2	17.8	4.80

Valve Application Assistance Form

Complete all sections.
Fax this form to: GF Piping Systems, Technical Service Department at (714) 731-8294

Date: _____

End-User Company: _____ Contact: _____

Address _____

City: _____ State: _____ Zip: _____

Phone: _____ Ext: _____ Fax: _____

Name of Project: _____

GF Distributor: _____ Contact: _____ Tel: _____

Description of Application: _____

_____

_____

_____

_____

Valve Style: ❒ Ball ❒ Diaphragm ❒ Butterfly ❒ Angle Seat ❒ PRV ❒ Metering

Accessories: ❒ Lock-Out ❒ Limit Switches ❒ Gear Operator ❒ Chain Wheel

Body Material: ❒ PVC ❒ CPVC ❒ PP ❒ PVDF ❒ Size: _____

Seal Material: ❒ FPM ❒ EPDM ❒ NBR ❒ PTFE ❒ Other: _____

If Actuated: ❒ Electric Supply Voltage: _____ Appoximate number of cycles per hour? _____

❒ Pneumatic: Air Supply Pressure? _____ psig Pilot Valve: ❒ 3-Way or ❒ 4-Way

❒ Fail Safe: ❒ FC or ❒ FO ❒ Double-Acting

❒ Modulating Input Signal? _____ What is the set point? _____

Accessories: ❒ Manual-Override ❒ Limit Switches ❒ Stroke Limiter ❒ Speed Control ❒ Other: ____

Fluid: _____ Concentration: _____ Solids Content: _____ % _____ Particle Size _____

Ambient temp: Min: _____ ˚F Max: _____ ˚F Process Temp: min: ____ ˚F Max: ____ Type: ____ ˚F

Working Press : Min: _____ psig Max: ____ psig Type: ____ Flow Rate: ❒ gpm ❒ lpm

Installation: ❒ Indoor or ❒ outdoor Exposed to sunlight: ❒ Yes ❒ No ❒ On the Wall or ❒ Suspended

For GF Use Only
Required changes in application _____

_____

Unsure of your application? Ask about our Performance Purchase Order Program.

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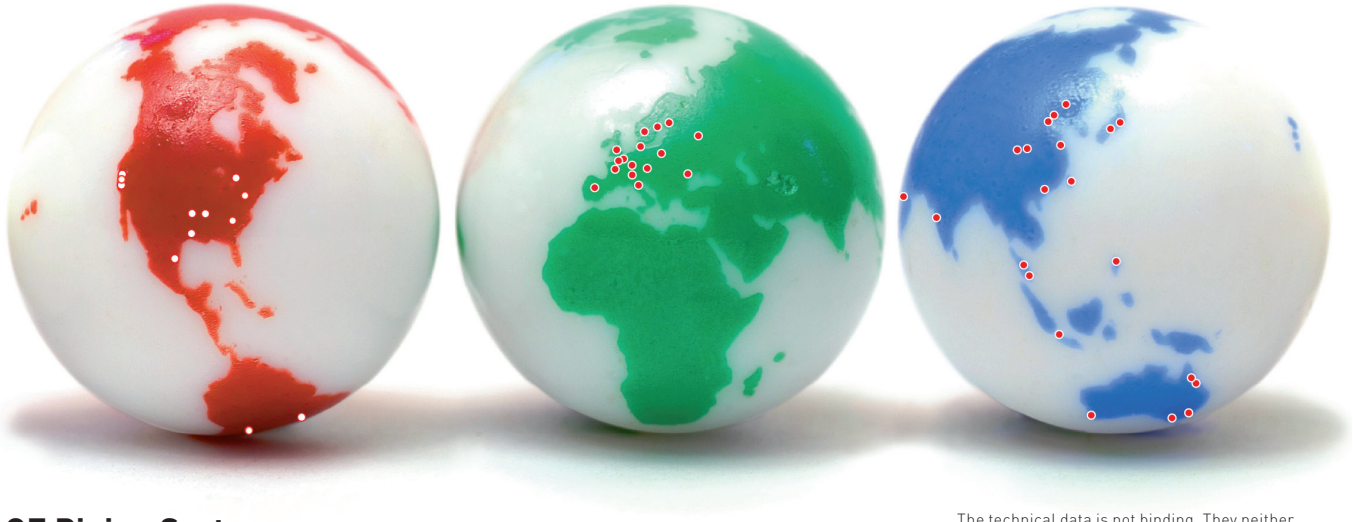

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