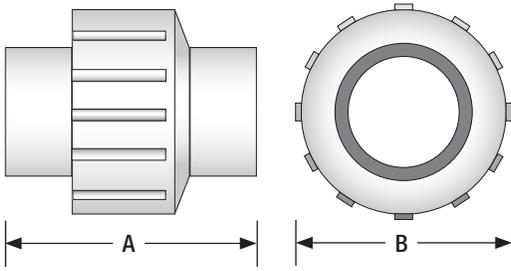


Unions and Valves



U

Fitting type:
S = slip
T = threaded

Valve diameter:
0500 = ½"
0750 = ¾"
1000 = 1"
1250 = 1 ¼"
1500 = 1 ½"
2000 = 2"
3000 = 3"
4000 = 4"

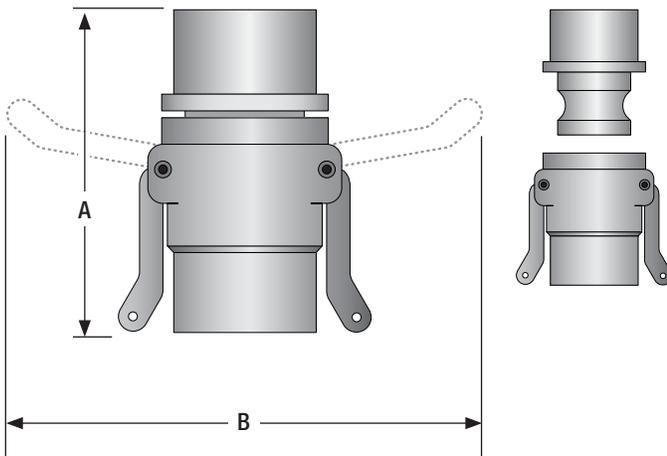
Union

PVC Unions, Schedule 80 (U)

PVC unions are used as a disconnection point in piping assemblies. Unions are made of Schedule 80 PVC, with EPDM O-rings. Available with slip fit (3-inch and 4-inch only) or threaded connections.

PVC Unions, Schedule 80 (U)

IPS pipe dia. (in.)	A in. (mm)	B in. (mm)	psi @ 73°F (bar @ 23°C)
½ in. (S)	2.2 (55)	2.1 (53)	235 (16.2)
½ in. (T)	2.3 (58)	2.0 (50)	235 (16.2)
¾	2.4 (60)	2.5 (63)	235 (16.2)
1 in.	2.8 (70)	2.8 (70)	150 (10.3)
1 ¼ in.	3.0 (75)	3.3 (83)	150 (10.3)
1 ½ in.	3.4 (85)	3.8 (95)	150 (10.3)
2 in.	3.7 (93)	4.6 (115)	150 (10.3)
3 in.	5.1 (128)	5.8 (145)	235 (16.2)
4 in.	5.9 (148)	7.1 (178)	235 (16.2)



Q **S**

Slip fitting

Union diameter:
1000 = 1"
1250 = 1 ¼"
1500 = 1 ½"
2000 = 2"

Quick-disconnect union

PVC Unions, Quick Disconnect (Q)

PVC quick-disconnect unions are used as a fast, non-binding disconnection point in piping assemblies. Available in slip fit only.

PVC Quick-Disconnect Unions, Schedule 80 (Q)

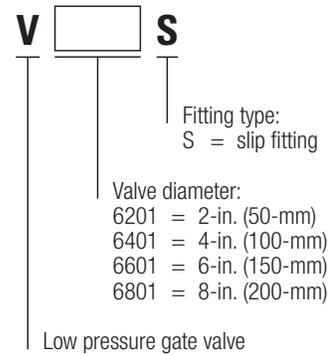
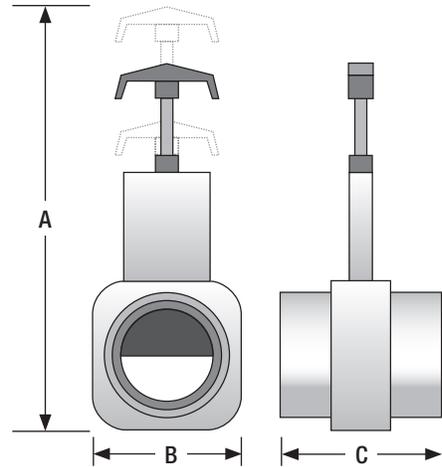
IPS pipe in. (mm)	A in. (mm)	B in. (mm)	psi @ 73°F (bar @ 23°C)
1 in.	4.50 (114)	4.50 (114)	150 (10.3)
1 ¼ in.	4.75 (121)	7.00 (178)	150 (10.3)
1 ½ in.	5.00 (127)	7.50 (191)	150 (10.3)
2 in.	5.25 (133)	8.00 (203)	150 (10.3)

PVC Gate Valves — Low Pressure (V)

PVC sliding gate valves are used as an inexpensive valve for quick shut-off. They are constructed of a PVC body per ASTM D-1784, with a stainless steel paddle and shaft, and Santoprene® seals. All sizes are available in slip fit only.

PVC Gate Valves — Low Pressure (V)

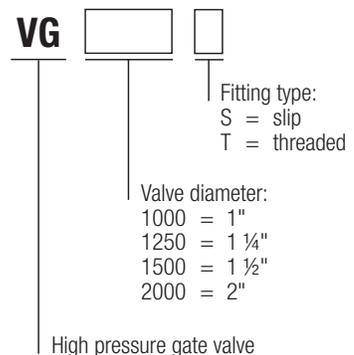
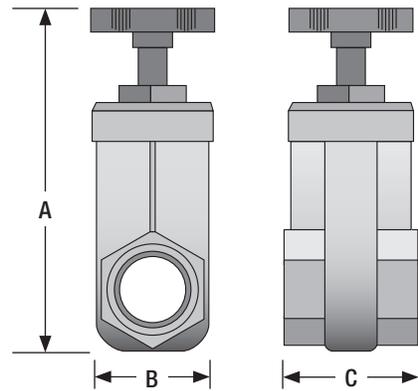
IPS pipe dia. (in.)	A in. (mm)	B in. (mm)	C in. (mm)	psi @ 73°F (bar @ 23°C)
4 in.	18.0 (450)	6.6 (165)	5.2 (130)	15 (1.0)
6 in.	31.1 (778)	11.0 (275)	11.1 (278)	15 (1.0)
8 in.	31.1 (778)	11.0 (275)	13.8 (345)	15 (1.0)

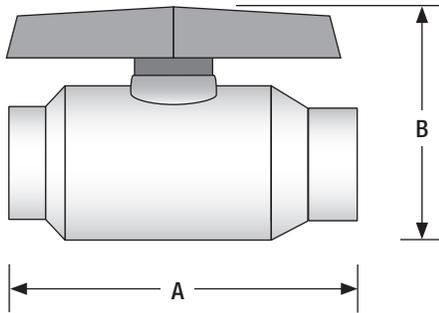


PVC Gate Valves — High Pressure (VG)

PVC high pressure gate valves have a non-rising stem and a screw-in, faucet-type handle. They are approved for use in controlling flows and where throttling capabilities are desired. These valves are constructed of Schedule 40 Hi-Impact PVC type II per ASTM D-1785, with polypropylene paddles. All sizes are available with slip fit or threaded connections.

IPS pipe dia. (in.)	A in. (mm)	B in. (mm)	C in. (mm)	psi @ 73°F (bar @ 23°C)
1 in.	5.5 (138)	2.9 (73)	2.9 (73)	150 (10.3)
1¼ in.	7.8 (195)	3.0 (75)	3.1 (78)	150 (10.3)
1½ in.	7.8 (195)	3.3 (83)	3.3 (83)	150 (10.3)
2 in.	9.0 (225)	4.3 (108)	4.3 (108)	150 (10.3)





VLT

Fitting type:
S = slip
T = threaded

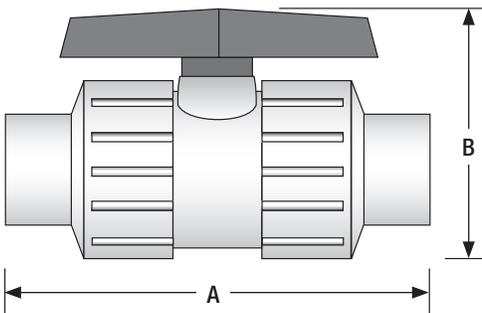
Valve diameter:
0500 = 1/2"
0750 = 3/4"
1000 = 1"
1250 = 1 1/4"
1500 = 1 1/2"
2000 = 2"

Ball valve

PVC Ball Valves (VLT)

PVC ball valves are used for shutting off flow to a distribution line. They are constructed of Schedule 40 PVC Type II, with EPDM O-rings. The stem seal is pre-loaded for long life. All sizes are available with either slip fit or threaded connections.

IPS pipe dia. (in.)	A in. (mm)	B in. (mm)	psi @ 73°F (bar @ 23°C)
1/2 in.	3.3 (83)	2.5 (63)	150 (10.3)
3/4 in.	4.0 (100)	3.0 (75)	150 (10.3)
1 in.	4.5 (113)	3.3 (83)	150 (10.3)
1 1/4 in.	5.2 (130)	4.3 (108)	150 (10.3)
1 1/2 in.	5.6 (140)	4.4 (110)	150 (10.3)
2 in.	6.4 (160)	5.4 (135)	150 (10.3)



VTU

Fitting type:
S = slip
T = threaded

Valve diameter:
1000 = 1"
1250 = 1 1/4"
1500 = 1 1/2"
2000 = 2"
3000 = 3"
4000 = 4"

True union ball valve

PVC True Union Ball Valves (VTU)

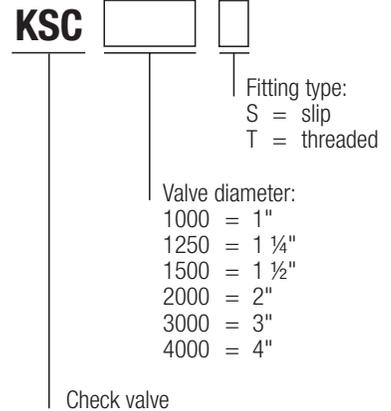
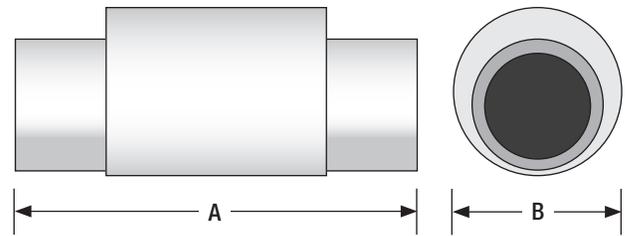
True union ball valves combine the features of a PVC union and ball valve into one component. They are constructed of Schedule 80 PVC Type I per ASTM D-1785, with EPDM O-rings. Slip fit and threaded connections are included with 1-inch through 2-inch sizes; Slip fit or threaded connections are available for 3-inch and 4-inch sizes.

IPS pipe dia. (in.)	A in. (mm)	B in. (mm)	psi @ 73°F (bar @ 23°C)
1 in.	5.3 (133)	4.5 (113)	235 (16.2)
1 1/4 in.	5.9 (148)	5.8 (145)	235 (16.2)
1 1/2 in.	6.0 (150)	5.9 (148)	235 (16.2)
2 in.	6.9 (173)	6.5 (163)	235 (16.2)
3 in.	12.0 (300)	9.9 (248)	150 (10.3)
4 in.	13.2 (330)	11.5 (288)	150 (10.3)

PVC Check Valves (KSC)

PVC check valves prevent backflow in a system, providing minimal resistance to normal flow but only requiring ½-lb back pressure for complete closure.

KSC-1000-S, KCS-1250-S and -T, and KSC-2000-T check valves are made from Schedule 40 Type I PVC per ASTM D-1784-03. All others are made of Schedule 40 Hi-Impact PVC Type II per ASTM D-1785, with an EPDM swing gate. All sizes are available with slip fit or threaded connections.



IPS pipe dia., inches	A in. (mm)	B in. (mm)	psi @ 73°F (bar @ 23°C)
1 in.	5.1 (130)	2.4 (61)	150 (10.3)
1¼ in.	5.25 (133)	3.1 (79)	150 (10.3)
1½ in.	5.4 (137)	3.5 (89)	150 (10.3)
2 in. (threaded)	6.0 (152)	4.3 (108)	150 (10.3)
2 in. (slip)	6.2 (157)	4.3 (108)	150 (10.3)
3 in.	8.5 (216)	5.9 (150)	150 (10.3)
4 in.	9.6 (243)	6.4 (163)	150 (10.3)