



NIPPLES & VALVES

PVC Schedule 80 & CPVC Schedule 80 Nipples



PVC SCHEDULE 80 NIPPLES



CPVC SCHEDULE 80 NIPPLES

Size	SP
1/4xClose	50
1/4x2	50
1/4x3	25
1/4x4	25
1/4x5	25
1/4x6	25
3/8xClose	25
3/8x2	25
3/8x3	25
3/8x4	25
3/8x5	25
3/8x6	25
3/8x8	25
1/2xClose	50
1/2x2	25
1/2x3	25
1/2x4	25
1/2x5	25
1/2x6	25
1/2x8	25
1/2x10	25
1/2x12	50
3/4xClose	25
3/4x2	25
3/4x3	25
3/4x4	25
3/4x5	25
3/4x6	25
3/4x8	25

Size	SP
3/4x10	25
3/4x12	25
1xClose	25
1x2	25
1x3	25
1x4	25
1x5	25
1x6	25
1x8	25
1x10	25
1x12	25
1 1/4xClose	25
1 1/4x3	25
1 1/4x4	25
1 1/4x5	25
1 1/4x6	25
1 1/4x8	25
1 1/4x10	25
1 1/4x12	25
1 1/2xClose	25
1 1/2x3	25
1 1/2x4	25
1 1/2x5	25
1 1/2x6	25
1 1/2x8	25
1 1/2x10	25
1 1/2x12	25

Size	SP
2xClose	25
2x3	25
2x4	25
2x5	25
2x6	25
2x8	25
2x10	25
2x12	25
2 1/2xClose	10
2 1/2x3	15
2 1/2x4	10
2 1/2x5	10
2 1/2x6	10
2 1/2x10	5
3xClose	5
3x3	5
3x4	5
3x5	5
3x6	5
3x8	5
3x10	5
3x12	5
4xClose	5
4x4	5
4x6	5
4x8	3

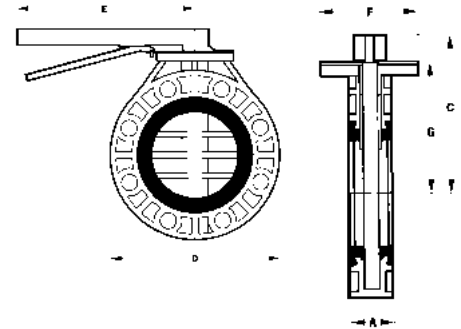
BUTTERFLY VALVES (3", 4", & 6")

- Corrosion-resistant thermoplastic body and disc.
- 100% bubble-tight seal.
- Stainless steel index plate and hardware.
- Extra heavy duty one piece PVC body.
- Bolt pattern meets ANSI, DIN specifications and AWWA dimensional standards.
- Triple seal design for maximum reliability.
- Pressure rated to 150 psi, temperatures to 140°F.
- Corrosion-resistant stainless steel shaft, heat treated for maximum strength.
- Rugged, corrosion-resistant coated metal handle with positive lock.
- Up to 50% lighter in weight than metal valves.
- PVC disc with optimized strength/Cv performance.
- Engineered to accommodate most popular actuators: electric or pneumatic.
- 10-position index plate for precise control.
- Direct retrofit with many cast iron valves.

- Modular stem extension kits available in varying lengths.
- Integral boot seal (flange gaskets not required).
- Lay length and stem diameter are compatible with Keystone Figure 100 butterfly valves.

Butterfly Valves Dimensions

	3"	4"	6"
A	1-3/4	2	2-3/16
C	6-5/16	7-3/4	8-3/8
D	7-1/2	9	11-7/32
E	9-1/2	9-1/2	11-3/4
F	4-3/16	4-3/16	5-1/32
G	4-7/8	6-9/32	7

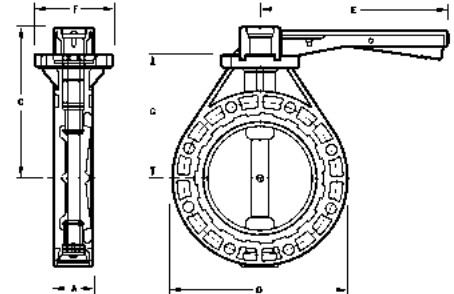


Colonial VALVES
ENGINEERING INC.

Butterfly Valves (8")

- Dri-Shaft™ Technology
Only the disc, body and seals come in contact with the fluid stream, not the stainless steel stem/shaft. The stainless steel stem/shaft stays dry and out of the fluid stream at all times. Beware, some look-alike butterfly valves have wet shafts. Insist on Colonial's Dri-Shaft technology.
- Single Offset Disc
Disc and seat design produces minimal wear for long-life and maximum performance.

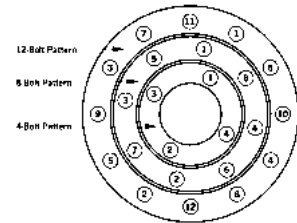
- Body and Disc Materials: PVC
- Seal Materials: EPDM
- Pressure Rating
Full 150 psi pressure rated Class 150 design.
Also rated for vacuum service. Bolt pattern meets ANSI, DIN and AWWA dimensional standards.



Butterfly Valve Dimensions

8"	
A	3
C	11-3/4
D	13-7/16
E	14-1/2
F	6
G	9-1/2

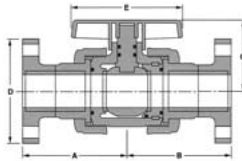
Flange Bolt Tightening Pattern
Tighten bolts evenly while following numerical sequence.



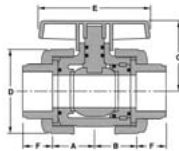
True Union Ball Valves (TUBV)

True Union Ball Valves
Flanged

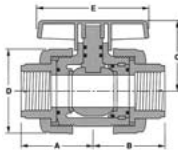
- Two stem stops for positive shut off.
- Full block design allows for external adjustment for seat wear.
- Floating ball design for positive seal.
- True union design permits easy removal of valve body for service.
- Easily repairable.



True Union Ball Valves
Slip x Slip



True Union Ball Valves
FPT x FPT



	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"	3"	4"
A	3-1/8	4-1/32	3-31/32	4-7/16	4-13/16	5-19/32	7-7/32	8-19/32
B	3-1/8	4-1/32	3-31/32	4-7/16	4-13/16	5-19/32	7-7/32	8-19/32
C	1-29/32	2-3/8	2-19/32	3-19/32	3-19/32	4-9/32	5-13/32	6-17/32
D	3-15/32	3-7/8	4-1/4	4-19/32	5	6	7-1/2	9-1/32
E	3-7/32	3-7/16	4	5	5	5-31/32	7-5/8	9-15/32

	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"	3"	4"
A	1-1/8	1-9/16	1-17/32	1-15/16	1-27/32	2-5/16	3-3/16	3-13/16
B	1-1/8	1-9/16	1-17/32	1-15/16	1-27/32	2-5/16	3-3/16	3-13/16
C	1-29/32	2-3/8	2-19/32	3-19/32	3-19/32	4-9/32	5-13/32	6-17/32
D	2-1/32	2-15/32	2-27/32	4-3/32	4-3/32	5-5/16	7-7/32	8-9/16
E	3-7/32	3-7/16	4	5	5	5-31/32	7-5/8	9-15/32
F	15/16	1	1-5/32	1-3/32	1-13/32	1-17/32	1-15/16	2-9/32

	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"	3"	4"
A	1-27/32	2-5/32	2-15/32	3-1/32	2-7/8	3-11/32	5-1/8	6-3/32
B	1-27/32	2-5/32	2-15/32	3-1/32	2-7/8	3-11/32	5-1/8	6-3/32
C	1-29/32	2-3/8	2-19/32	3-19/32	3-19/32	4-9/32	5-13/32	6-17/32
D	2-1/32	2-15/32	2-27/32	4-3/32	4-3/32	5-5/16	7-7/32	8-9/16
E	3-7/32	3-7/16	4	5	5	5-31/32	7-5/8	9-15/32

ACCESSORIES AVAILABLE

Ball Valve	
Stem Extensions	X
2" Operating Nut	X
Locking Handles	X

TRIM STYLES AVAILABLE

- PVC With EPDM O-Rings
- PVC With Viton® O-Rings
- CPVC With Viton® O-Rings



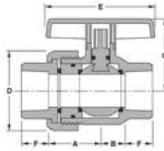
VALVES

Single Union Ball Valves (SUBV)

- Full port design (same I.D. as schedule 80 pipe) produces minimum turbulence at high flow rates.
- Smooth turning.
- Externally adjustable (no need to remove valve from line to adjust for seat wear).
- Socket dimensions meet all ASTM requirements. PVC: D-2467, D-2464; CPVC: F-439, F-437.
- O-rings made of EPDM or Viton®.
- 100% thermoplastic design eliminates process or atmospheric corrosion. (Polypropylene and PVDF valves utilize a small stainless steel screw to retain the handle to the stem.)
- Body materials: PVC, CPVC, PP and PVDF.
- Easily disassembled for service.

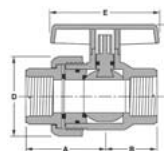
Single Union Ball Valves

Slip x Slip



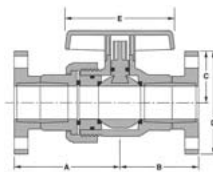
Single Union Ball Valves

FPT x FPT



Single Union Ball Valves

Flanged



	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"
A	1-9/32	1-9/16	1-13/16	1-29/32	2-1/4	2-7/16
B	11/16	27/32	15/16	1-1/8	1-1/8	1-13/32
C	1-7/8	2-3/8	2-11/16	2-25/32	3-11/32	3-31/32
D	2	2-7/16	2-13/16	3-11/32	3-25/32	4-5/32
E	3-1/4	3-7/16	4	4-11/32	5	5-15/16
F	29/32	1	1-1/8	1-1/4	1-13/32	1-17/32

	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"
A	2	2-1/16	2-21/32	3-5/32	3-1/4	3-1/2
B	1-19/32	1-31/32	2-3/32	2-3/8	2-1/2	2-7/8
C	1-7/8	2-3/8	2-11/16	2-25/32	3-11/32	3-31/32
D	2	2-7/16	2-13/16	3-11/32	3-25/32	4-5/32
E	3-1/4	3-7/16	4	4-11/32	5	5-15/16

	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"
A	3-1/4	4	4-7/32	4-9/16	5-7/32	5-11/16
B	2-21/32	3-9/32	3-11/32	3-25/32	4-3/32	4-11/16
C	1-7/8	2-3/8	2-11/16	2-25/32	3-11/32	3-31/32
D	3-15/32	3-7/8	4-1/4	4-19/32	5	6
E	3-1/4	3-7/16	4	4-11/32	5	5-15/16

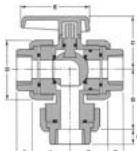
ACCESSORIES AVAILABLE

Ball Valve		
Stem Extensions	X	2" Operating Nut
		X
		Locking Handles
		X

- 100% thermoplastic design eliminates process or atmospheric corrosion.
- Tri-union design permits easy removal and replacement.
- 180° handle operation.
- "L" port design with fluid flow control options: left, center or right.
- Teflon® seats provide a no leak, bubble tight seal.
- O-rings made of EPDM or o-rings made of Viton®.
- Pressures up to 235 psi @ 73°F (non-shock water) on some valve sizes.
- I.D. of valve in open position same as I.D. of schedule 80 pipe—minimum pressure and head loss.
- Socket dimensions meet all ASTM requirements. PVC: D-2467, D-2464; CPVC: F-439, F-437.

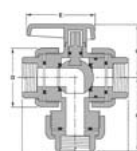
Multiport Ball Valves

Slip x Slip



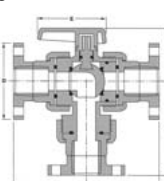
Multiport Ball Valves

FPT x FPT



Multiport Ball Valves

Flanged



Multi-Port Ball Valves

	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"
A	1-5/16	1-23/32	1-3/4	1-7/8	2-5/32	2-7/16
B	1-5/16	1-23/32	1-3/4	1-7/8	2-5/32	2-7/16
C	1-31/32	2-3/8	2-5/8	2-13/16	3-13/16	4-1/16
D	2	2-7/16	2-13/16	3-5/16	3-25/32	4-7/16
E	3-3/16	3-23/32	3-15/16	4-3/8	5-3/16	5-3/16
F	2-9/32	1	1-1/8	1-1/4	1-7/16	1-17/32
G	1-15/16	3-19/32	2-11/16	2-25/32	3-7/16	4-3/32

	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"
A	2	2-1/4	2-5/8	3-5/32	3-3/16	3-15/32
B	2	2-1/4	2-5/8	3-5/32	3-3/16	3-15/32
C	1-31/32	2-3/8	2-5/8	2-13/16	3-13/16	4-1/16
D	2	2-7/16	2-13/16	3-5/16	3-25/32	4-7/16
E	3-3/16	3-23/32	3-15/16	4-3/8	5-3/16	5-3/16
G	2-11/16	3-3/16	3-9/16	4-1/16	4-15/32	5-1/8

	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"
A	3-9/32	4-5/32	4-5/32	4-17/32	5-5/32	5-11/16
B	3-9/32	4-5/32	4-5/32	4-17/32	5-5/32	5-11/16
C	1-31/32	2-3/8	2-5/8	2-13/16	3-13/16	4-1/16
D	3-15/32	3-7/8	4-1/4	4-19/32	5	6
E	3-3/16	3-23/32	3-15/16	4-3/8	5-3/16	5-3/16
G	3-29/32	6-1/32	5-3/32	5-7/16	6-7/16	7-11/32



VALVES

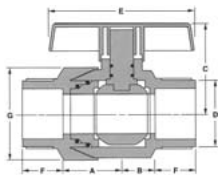
Super "C" Ball Valves

- Available with PVC or CPVC body; EPDM or Viton® o-rings.
- ABS handle available in a variety of colors.
- Floating ball design for high pressure, permanent seal.
- Two stem o-rings for double leak protection.
- Unique floating carrier design provides the longest turning life, lowest torque and smoothest turning on the market.

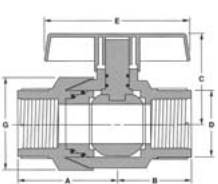
- Full port design (same I.D. as schedule 80 pipe) produces minimum turbulence at high flow rates.
- Teflon® ball seats.
- Larger stem design reduces the chance of stem breakage.
- Two stem stops for positive shut off.
- Pressure to 150 psi @ 73°F (non-shock water).
- 100% thermoplastic design eliminates process or atmospheric corrosion.

- 1/2" thru 2" sizes available.
- Available in schedule 80 socket or NPT (female) thread.
- Socket and threads meet dimensional requirements of ASTM D-2467, D-2464, F-439 and F-437.
- Easily actuated (actuator kits available).
- Designed and engineered in the U.S.A.

Super "C" Ball Valves
Slip x Slip



Super "C" Ball Valves
FPT x FPT



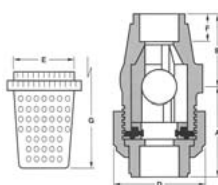
	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"
A	1-7/32	1-15/32	1-9/16	2-1/4	2-1/8	2-3/16
B	11/16	3/4	31/32	1-5/16	1-3/16	1-7/16
C	1-7/8	2-11/32	2-5/8	3-1/2	3-1/2	3-7/8
D	1-11/32	1-9/16	1-7/8	2-19/32	2-19/32	3-1/8
E	3-7/32	3-7/16	4	5	5	5
F	7/8	1	1-1/8	1-1/4	1-3/8	1-1/2
G	1-25/32	2-7/32	2-17/32	3-1/2	3-1/2	4-3/16

	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"
A	2-3/32	2-15/32	2-11/16	3-1/2	3-1/2	3-11/16
B	1-9/16	1-25/32	2-1/16	2-9/16	2-9/16	2-15/16
C	1-7/8	2-11/32	2-5/8	3-1/2	3-1/2	3-7/8
D	1-11/32	1-9/16	1-7/8	2-19/32	2-19/32	3-1/8
E	3-7/32	3-7/16	4	5	5	5
G	1-25/32	2-7/32	2-17/32	3-1/2	3-1/2	4-3/16

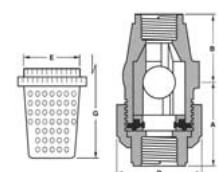
Ball Check Valves & Foot Valve Strainer Kits

- 100% thermoplastic design eliminates process and atmospheric corrosion.
- Excellent flow characteristics.
- Union end connector simplifies valve maintenance.
- Unique design prevents ball from sticking or chattering.
- Long life seat made of Viton®.
- Easily converted to foot valve with installation of strainer kit.
- For use in vertical or horizontal* position, non-spring loaded.
- *When used horizontally, apply sufficient back flow and 30" of head pressure.
- Floating ball design for positive seal.
- Single union design permits removal of valve body for service.
- Easily repairable.
- Strainer kits in PVC or Corzan® CPVC available.

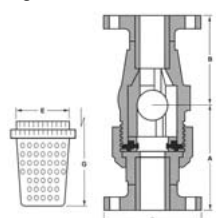
Ball Check Valves
Slip x Slip



Ball Check Valves
FPT x FPT



Ball Check Valves
Flanged



	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"	3"
A	2-1/4	2-11/16	2-15/16	3-15/32	3-5/8	4	4-1/4
B	1-5/8	1-31/32	2-3/32	2-7/16	2-7/16	3-3/16	4-3/16
C	None	None	None	None	None	None	None
D	2	2-1/2	2-13/16	3-25/32	3-3/4	4-3/16	7-3/16
E	2-3/8	2-7/8	3-9/32	4-9/32	4-9/32	4-25/32	None
F	15/16	1	1-5/32	1-1/4	1-13/32	1-13/16	1-29/32
G	3-7/8	4-22/32	5-1/32	5-29/32	5-29/32	7-3/16	None

	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"	3"
A	2-1/32	2-5/16	2-23/32	3-15/32	3-11/16	3-15/32	4-9/32
B	1-5/8	1-31/32	2-3/32	2-7/16	2-7/16	3-3/16	4-3/16
C	None	None	None	None	None	None	None
D	2	2-1/2	2-13/16	3-25/32	3-3/4	4-3/16	7-3/16
E	2-3/8	2-7/8	1-7/32	4-9/32	4-9/32	4-25/32	None
F	None	None	None	None	None	None	None
G	3-7/8	4-22/32	5-1/32	5-29/32	5-29/32	7-3/16	None

	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"	3"
A	3-5/16	4-1/8	4-7/32	4-7/8	5-3/16	5-23/32	6-11/32
B	2-11/16	3-13/32	3-3/8	3-27/32	4	4-29/32	6-9/32
C	None	None	None	None	None	None	None
D	3-15/32	3-7/8	4-1/4	4-19/32	5	6	7-1/2
E	2-3/8	2-7/8	1-7/32	4-9/32	4-9/32	4-25/32	None
F	None	None	None	None	None	None	None
G	3-7/8	4-22/32	5-1/32	5-29/32	5-29/32	7-3/16	None

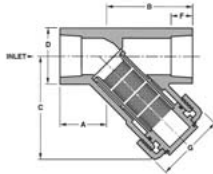


VALVES

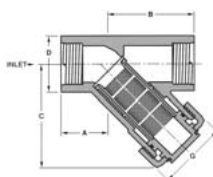
WYE Line Strainers

- Maximum flow design.
- Unique union nut permits easy removal of filter cartridge assembly.
- Filter cage prevents media blowby, distortion or collapse of screen.
- Hi-Strength schedule 80 wall thickness.
- Two screen materials available: SS (stainless steel) in 20 or 40 mesh; and PP (polypropylene) in 20 mesh only. Specify when ordering.

Wylene Strainers
Slip x Slip



Wylene Strainers
FPT x FPT



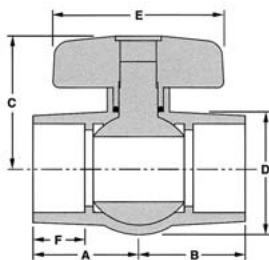
	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"
A	1-7/32	1-13/32	1-5/8	2-5/16	2-5/16	2-3/16
B	2-1/8	2-13/32	2-3/4	3-3/4	3-3/4	4-31/32
C	2-5/8	3-3/32	3-21/32	4-27/32	4-27/32	5-1/2
D	1-3/16	1-7/16	1-3/4	2-13/32	2-13/32	3-1/32
F	7/8	1-1/32	1-5/32	1-13/32	1-13/32	1-17/32
G	1-29/32	2	2-15/32	3-5/16	3-5/16	3-25/32

	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"
A	1-7/32	1-13/32	1-5/8	2-5/16	2-5/16	2-3/16
B	2-1/8	2-13/32	2-3/4	3-3/4	3-3/4	4-31/32
C	2-5/8	3-3/32	3-21/32	4-27/32	4-27/32	5-1/32
D	1-3/16	1-7/16	1-3/4	2-13/32	2-13/32	3-1/32
G	1-29/32	2	2-15/32	3-5/16	3-5/16	3-25/32

- Durable, one-piece, molded PVC body.
- CPVC ball/stem, Santoprene® seats.
- Maximum pressure 150 psi at 73°F (non-shock water).
- For commercial, residential and agricultural applications.
- 1/2" thru 2" sizes available.
- 100% thermoplastic design eliminates process or atmospheric corrosion.
- Available in schedule 80 socket or NPT thread (female).
- Easy to install.
- Designed and engineered in the U.S.A.
- Santoprene thermoplastic rubber is a cost-effective replacement for thermoset rubbers. The combination of mechanical properties, fluid resistance, flame retardance and environmental stability make Santoprene the material of choice for many applications, including spas, swimming pools and irrigation.
- Socket and thread dimensions meet all ASTM requirements. PVC: D-2467, D-2464; CPVC: F-439, F-437.

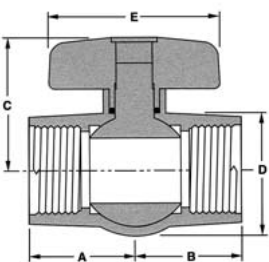
MIP (Molded In Place) Valves

MIP (Molded In Place) Ball Values
Slip x Slip



	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"
A	5/8	13/16	29/32	29/32	1-9/32	1-1/2
B	5/8	13/16	29/32	29/32	1-9/32	1-1/2
C	1-23/32	2-1/8	2-1/4	2-1/4	3-17/32	3-3/4
D	1-1/2	1-7/8	2-7/32	2-5/8	3-1/32	3-9/16
E	2-13/16	3-13/32	3-13/32	3-13/32	4-27/32	4-27/32
F	7/8	1	1-1/8	1-1/4	1-3/8	1-1/2

MIP (Molded In Place) Ball Values
FPT x FPT



	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"
A	1-1/2	1-13/16	2-1/32	2-5/32	2-21/32	3
B	1-1/2	1-13/16	2-1/32	2-5/32	2-21/32	3
C	1-23/32	2-1/8	2-1/4	2-1/4	3-17/32	3-3/4
D	1-1/2	1-7/8	2-7/32	2-5/8	3-1/32	3-9/16
E	2-13/16	3-13/32	3-13/32	3-13/32	4-27/32	4-27/32