

BYV SERIES

Butterfly Valves

2" to 12" / DN50-300 PVC, CPVC, GFPP



Certified to NSF/ANSI 61 & 372,
PVC/EPDM 2" - 12", CPVC/EPDM 4" - 12"

KEY FEATURES

- One Piece Injection Molded Body
- Hand Lever with 19 Lockable Stop Positions & 360° Interlocking Splines
- External Disc Position and Flow Indication
- Hydro-dynamic Centric Disc for Increased Flow Performance
- Over-Sized Liner Face Maximizes Surface Contact with Flanges
- 1-Piece 316 Stainless Steel Stem with Threaded Retaining Gland
- Stem Bearing and Seal Retainer for Absolute Stem Position and Seal
- ISO 5211 Top Flange and Stem Drive
- All Sizes Meet ANSI B16.10 / ISO 5752 Face to Face Dimensions
- Pressure Rated at 150 PSI/10 Bar in All Sizes @ 70°F Non-Shock

OPTIONS

- Over-Molded 316 Stainless Steel Lugs
- Titanium or Hastelloy™ Stem Materials
- Gear Operators
- Complete Range of Pneumatic or Electric Actuators
- Lock Out Caps
- Stem Extensions
- Chain Operator for Gear Box

TECHNICAL INFORMATION

SIZE	BODY MATERIAL	DISC MATERIAL	LINER MATERIAL	PRESSURE RATING
2" – 12" (DN50 – DN300)	PVC	PVC or GFPP	Viton®, EPDM or Nitrile	150 PSI @ 70°F 10 Bar @ 21°C Non-Shock
	CPVC	CPVC		
	GFPP	GFPP		

"Patented" & Other Patents Pending" Pat. No.: 9,695,947; 9,989,154;
10,683,937; 10,683,938; 10,690,252; 11,092,242

BYB SERIES

Large Diameter Butterfly Valves

14" to 24" / DN350-600 PVC, CPVC, PP



KEY FEATURES

- PVC, CPVC and PP Bodies
- PVC, CPVC and PP Discs
- Heavy Duty Gear Operator
- 410 Grade Stainless Steel Stem
- Choice of FPM, EPDM or Nitrile Liners

OPTIONS

- Complete Range of Pneumatic or Electric Actuators
- Stem Extensions

TECHNICAL INFORMATION

SIZE	BODY MATERIAL	DISC MATERIAL	LINER MATERIAL	PRESSURE RATING
14" – 16" (DN350 – DN400)	PVC, CPVC or PP	PVC, CPVC or PP	FPM, EPDM or Nitrile	86 PSI @ 70°F 6 Bar @ 21°C Non-Shock
18" (DN450)				72 PSI @ 70°F 5 Bar @ 21°C Non-Shock
20" – 24" (DN500 – DN600)				51 PSI @ 70°F 3 Bar @ 21°C Non-Shock

BYCN / BYCS SERIES

Butterfly Valves

2" to 8" / DN50-200 PVC



Certified to
NSF/ANSI 61 & 372
BYCN 2" - 8"

KEY FEATURES

- Distinctive Ergonomic Handle with Lockout Feature
- Wafer Body Design
- Fits ANSI 150 or PN10 Flange Patterns
- PVC Body with PVC Disc
- One-Piece Stainless Steel Stem 316 Grade for BYCN
- One-Piece Stainless Steel Stem 410 Grade for BYCS
- NSF / ANSI-61 and NSF / ANSI 372 Listed (BYCN Series)

OPTIONS

- Gear Operators

TECHNICAL INFORMATION

SERIES	SIZE	BODY/DISC MATERIAL	STEM MATERIAL	LINER MATERIAL	PRESSURE RATING
BYCN	2" - 8" (DN50 - DN200)	PVC	316 Grade Stainless Steel	EPDM	150 PSI @ 70°F 10 Bar @ 21°C Non-Shock
BYCS			410 Grade Stainless Steel		

TC SERIES

True Union Ball Check Valves

1/4" to 3/8" DN8-10 PVC

1/2" to 2" DN15-50 PVC, CPVC, PP

2-1/2" to 6" DN65-150 PVC, CPVC

1/4" to 1" DN8-25 Natural PVDF



Certified to
NSF/ANSI 61 & 372
PVC and CPVC 1/4" - 4"

KEY FEATURES

- Available in PVC, CPVC, PP and Natural PVDF
- For Horizontal or Vertical Installation
- 1/2" to 6" are Sure Block Design
- Square Cut Seat for Positive Sealing
- Seats with Minimum Back Pressure
- 1/4" and 3/8" are Trim Check Design



Ball check valve with foot valve screen installed

OPTIONS

- NEW HDPE End Connectors available in SDR 9, 11 through 1", SDR 9, 11, 17 from 1-1/4" - 4"
- Foot Valve Screens

TECHNICAL INFORMATION

SIZE	MATERIAL	SEALS	END CONNECTION	PRESSURE RATING
1/4" - 3/8"* (DN8 - DN10)	PVC	FPM	Socket or Threaded	150 PSI @ 70°F 10 Bar @ 21°C Non-Shock
1/4" - 1" (DN8 - DN25)	PVDF		Threaded or Socket Fusion	
1/2" - 2" (DN15 - DN25)	PVC or CPVC	FPM or EPDM	Socket, Threaded or Flanged****	235 PSI @ 70°F 16 Bar @ 21°C Non-Shock
	PP**		Threaded or Socket Fusion	
2-1/2" - 4" (DN65 - DN100)	PVC or CPVC		Socket, Threaded or Flanged****	150 PSI @ 70°F 10 Bar @ 21°C Non-Shock
6"*** (DN150)			Flanged****	

* Trim Checks
 ** 2" PP is rated to 100 PSI @ 70°F
 *** 4" valve venturied to 6".
 **** All flanged valves are rated to 150 PSI @ 70°F, 10 Bar @ 21°C
 † PVC & CPVC socket ends available to ISO 727-1 / JIS K 6734, threaded ends to BS21 / JIS B 0203 and flanged ends to DIN / EN PN10.
 ‡ PP socket fusion ends per ASTM F2389 and threaded ends per BS21.