

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.

YC SERIES

Y-Check Valves

1/2" to 4" / DN15-100 PVC, CPVC

1/2" to 1" / DN15-25 Natural PVDF



KEY FEATURES

- Available in PVC, CPVC, and Natural PVDF
- Pressure Rated at 150PSI/10 Bar in All Sizes @ 70°F Non-Shock
- Horizontal or Vertical Installation
- Molded-In or True Union Socket or Threaded Connections
- Full Flow Design
- Minimal Back Pressure Required to Seat Piston
- PVC, CPVC or PVDF Coil to Guide Piston to a Positive Seat

OPTIONS

- NEW HDPE End Connectors available in SDR 9, 11 through 1", SDR 9, 11, 17 from 2" - 3"

TECHNICAL INFORMATION

SIZE	MATERIAL	SEALS	END CONNECTION	PRESSURE RATING
1/2" - 4" (DN15 - DN100)	PVC or CPVC	FPM or EPDM	Threaded or Socket Fusion (IPS)	150 PSI @ 70°F 10 Bar @ 21°C Non-Shock
1/2" - 1" (DN15 - DN25)	PVDF		Socket, Threaded, Flanged or True Union	

† PVC & CPVC socket ends available to ISO 727-1, threaded ends to BS21, and flanged ends to DIN / EN PN10.

SLC SERIES

Spring-Loaded Y-Check Valves

1/2" to 4" / DN15-100 PVC



KEY FEATURES

- Available in PVC
- Pressure Rated at 150PSI/10 Bar in All Sizes @ 70°F Non-Shock
- Horizontal or Vertical Installation
- Molded-In or True Union Socket or Threaded Connections
- Full Flow Design
- Closes with No Back Pressure
- Adjustable - Opens From 2 to 15 PSI
- Easy Maintenance

OPTIONS

- NEW HDPE End Connectors available in SDR 9, 11 through 1", SDR 9, 11, 17 from 2" - 3"

TECHNICAL INFORMATION

SIZE	MATERIAL	SEALS	END CONNECTION	PRESSURE RATING
1/2" - 4" (DN15 - DN100)	PVC	FPM or EPDM	Socket, Threaded or True Union	150 PSI @ 70°F 10 Bar @ 21°C Non-Shock

† PVC socket ends available to ISO 727-1, threaded ends to BS21.

WCV SERIES

Full Pattern Wafer Check Valves

2" to 8" / DN50-200 PVC & CPVC

10" to 12" / DN250 PVC & CPVC



KEY FEATURES

- Robust Full Pattern Body
- Available in PVC and CPVC
- Pressure Rated at 150 PSI/10 Bar in All Sizes @ 70°F Non-Shock
- No Special Spacers or Flanges Required
- High Cv Rating, Saves on Energy and Pump Wear
- FPM or EPDM Gasket and Face Seal
- One-Piece Disc and Shaft Design

NEW LARGE DIAMETER

- Robust Full Pattern Body
- Integral Bolt Eyes and Hand Grip for Ease of Installation

OPTIONS

- 316 Stainless Steel or Hastelloy® Disc Spring



Large Diameter WCV Series
Wafer Check with Hand Grip.

TECHNICAL INFORMATION

SIZE	MATERIAL	O-RING	END CONNECTION	PRESSURE RATING
2" – 10" (DN50 – DN250)*	PVC or CPVC	FPM or EPDM	Wafer	150 PSI @ 70°F 10 Bar @ 21°C Non-Shock
12"				

*DN100 not available.

SW SERIES

Swing Check Valves

3" to 6" / DN80-150 PVC, CPVC, GFPP

8" / DN200 PVC, GFPP



KEY FEATURES

- Available in PVC, CPVC and GFPP
- High Temperature/Pressure Ratings
- Horizontal or Vertical Installation
- Two-in-one Seat Design
- Built-in Flange Seals
- Two Drain Ports
- Self-Aligning Clapper Seals
- High Cv Rating and Full Flow Design

OPTIONS

- Counterweight for Closing Assistance

TECHNICAL INFORMATION

SIZE	MATERIAL	SEALS	END CONNECTION	PRESSURE RATING
3" – 6" (DN80 – DN150)	PVC, CPVC or GFPP	FPM or EPDM	Flanged	150 PSI @ 70°F 10 Bar @ 21°C Non-Shock
8" (DN200)				

†PVC & CPVC flanged ends available to DIN / EN PN10.

"Patented" Pat. No.: 8,887,757 and other patents pending.