



Valves Product
True Union 2000 Industrial Ball Check Valves

True Union 2000 Industrial Ball Check Valves



Socket Style

Pressure Rating @ 73°F (23°C), Water
1/2" - 4" 235 psi
6" - 8" 150 psi
All Flanged 150 psi

Maximum Service Temperature
PVC = 140°F (60°C)
CPVC = 200°F (93°C)

Temperature/Pressure De-ratings Apply

Rated for Vacuum Service

General Installation Information:

Ball check valves may be installed in either horizontal or vertical position. A minimum of ten (10) pipe diameters' distance maintained from any pump or other source of turbulence. Check valves MUST be installed with the valve's FLOW arrow pointing in the direction of flow.

All Valves assembled with Silicone-Free, Water Soluble Lubricant. Contact Spears® for MSRP & Availability on Custom Elastomer Seals. See Ball Valve Accessories & Repair Kits Section for Additional Options and Features

PVC Industrial

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
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Socket & Threaded Ends

1/2	4529-005	4539-005	1	18	604
3/4	4529-007	4539-007	1	18	604
1	4529-010	4539-010	1	18	604
1-1/4	4529-012	4539-012	1	12	604
1-1/2	4529-015	4539-015	1	8	604
2	4529-020	4539-020	1	8	604

Socket Ends

2-1/2	4522-025	4532-025	1	0	605
3	4522-030	4532-030	1	0	605
4	4522-040	4532-040	1	0	605
6	4522-060	4532-060	1	0	558
8	4522-080	4532-080	1	0	558

8" Venturied valves are 6" ball check valves fitted with 6x8 end connector adapters.

Threaded Ends

2-1/2	4521-025	4531-025	1	0	605
3	4521-030	4531-030	1	0	605
4	4521-040	4531-040	1	0	605
6	4521-060	4531-060	1	0	558

SR Threaded Ends

1/2	4521-005SR	4531-005SR	1	18	604
3/4	4521-007SR	4531-007SR	1	18	604
1	4521-010SR	4531-010SR	1	18	604
1-1/4	4521-012SR	4531-012SR	1	12	604
1-1/2	4521-015SR	4531-015SR	1	8	604
2	4521-020SR	4531-020SR	1	8	604
2-1/2	4521-025SR	4531-025SR	1	0	605
3	4521-030SR	4531-030SR	1	0	605
4	4521-040SR	4531-040SR	1	0	605
6	4521-060SR	4531-060SR	1	0	558

PVC Industrial

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
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Spigot Ends

1/2	4527-005	4537-005	1	18	604
3/4	4527-007	4537-007	1	18	604
1	4527-010	4537-010	1	12	604
1-1/4	4527-012	4537-012	1	12	604
1-1/2	4527-015	4537-015	1	8	604
2	4527-020	4537-020	1	8	604
2-1/2	4527-025	4537-025	1	0	605
3	4527-030	4537-030	1	0	605
4	4527-040	4537-040	1	0	605
6	4527-060	4537-060	1	0	558

Flanged Ends

1/2	4523-005	4533-005	1	8	604
3/4	4523-007	4533-007	5	0	604
1	4523-010	4533-010	1	8	604
1-1/4	4523-012	4533-012	2	0	604
1-1/2	4523-015	4533-015	3	0	604
2	4523-020	4533-020	1	0	604
2-1/2	4523-025	4533-025	1	0	605
3	4523-030	4533-030	1	0	605
4	4523-040	4533-040	1	0	605
6	4523-060	4533-060	1	0	558
8	4523-080	4533-080	1	0	558

8" Venturied valves are 6" ball check valves fitted with 6x8 end connector adapters.

CPVC Industrial

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
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Socket & Threaded Ends

1/2	4529-005C	4539-005C	1	18	606
3/4	4529-007C	4539-007C	1	18	606
1	4529-010C	4539-010C	1	18	606
1-1/4	4529-012C	4539-012C	1	12	606
1-1/2	4529-015C	4539-015C	1	8	606
2	4529-020C	4539-020C	1	8	606

Socket Ends

2-1/2	4522-025C	4532-025C	1	0	607
3	4522-030C	4532-030C	1	0	607
4	4522-040C	4532-040C	1	0	607
6	4522-060C	4532-060C	1	0	559
8	4522-080C	4532-080C	1	0	559

8" Venturied valves are 6" ball check valves fitted with 6x8 end connector adapters.

Threaded Ends

2-1/2	4521-025C	4531-025C	1	0	607
3	4521-030C	4531-030C	1	0	607
4	4521-040C	4531-040C	1	0	607
6	4521-060C	4531-060C	1	0	559

SR Threaded Ends

1/2	4521-005CSR	4531-005CSR	1	18	606
3/4	4521-007CSR	4531-007CSR	1	18	606
1	4521-010CSR	4531-010CSR	1	18	606
1-1/4	4521-012CSR	4531-012CSR	1	12	606
1-1/2	4521-015CSR	4531-015CSR	1	8	606
2	4521-020CSR	4531-020CSR	1	8	606
2 1/2	4521 025CSR	4531 025CSR	1	0	607

Suitable for Oil-Free air handling to 25 psi, not for distribution of compressed air or gas

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Valves Product
True Union 2000 Industrial Ball Check Valves & True Union Ball Check Valves (Regular Style)

True Union 2000 Industrial Ball Check Valves
CPVC Industrial (continued)

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
SR Threaded Ends					
3	4521-030CSR	4531-030CSR	1	0	607
4	4521-040CSR	4531-040CSR	1	0	607
6	4521-060CSR	4531-060CSR	1	0	559

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
Spigot Ends					
1/2	4527-005C	4537-005C	1	18	606
3/4	4527-007C	4537-007C	1	18	606
1	4527-010C	4537-010C	1	12	606
1-1/4	4527-012C	4537-012C	1	12	606
1-1/2	4527-015C	4537-015C	1	8	606
2	4527-020C	4537-020C	1	8	606
2-1/2	4527-025C	4537-025C	1	0	607
3	4527-030C	4537-030C	1	0	607
4	4527-040C	4537-040C	1	0	607
6	4527-060C	4537-060C	1	0	559

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
Flanged Ends					
1/2	4523-005C	4533-005C	1	8	606
3/4	4523-007C	4533-007C	1	8	606
1	4523-010C	4533-010C	1	8	606
1-1/4	4523-012C	4533-012C	1	8	606
1-1/2	4523-015C	4533-015C	1	4	606
2	4523-020C	4533-020C	1	0	606
2-1/2	4523-025C	4533-025C	1	0	607
3	4523-030C	4533-030C	1	0	607
4	4523-040C	4533-040C	1	0	607
6	4523-060C	4533-060C	1	0	559
8	4523-080C	4533-080C	1	0	559

8" Venturied valves are 6" ball check valves fitted with 6x8 end connector adapters.

True Union Ball Check Valves (Regular Style)



Socket/Threaded Style

Pressure Rating @ 73°F (23°C), Water
 1/2" - 2" 235 psi
 2-1/2" - 6" 150 psi
 Flanged 150 psi

Maximum Service Temperature
 PVC = 140°F (60°C)
 CPVC = 200°F (93°C)

Temperature/Pressure De-ratings Apply
 Rated for Vacuum Service

All Valves assembled with Silicone-Free, Water Soluble Lubricant

6" Venturied Valves are 4" Ball Check Valves equipped with 4x6 End Connectors.

General Installation Information:
 Ball check valves may be installed in either horizontal or vertical position. A minimum of ten (10) pipe diameters' distance maintained from any pump or other source of turbulence. Check valves MUST be installed with the valve's FLOW arrow pointing in the direction of flow.

PVC

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
Socket & Threaded Ends					
1/2	2229-005	2239-005	1	18	220
3/4	2229-007	2239-007	1	12	220
1	2229-010	2239-010	1	8	220
1-1/4	2229-012	2239-012	1	8	220
1-1/2	2229-015	2239-015	1	8	220
2	2229-020	2239-020	1	4	220

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
Socket Ends					
2-1/2	2222-025	2232-025	1	0	220
3	2222-030	2232-030	1	0	220
4	2222-040	2232-040	1	0	220

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
Socket Venturied Ends					
6 VENTURIED	2222-060	2232-060	1	0	221

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
Threaded Ends					
2-1/2	2221-025	2231-025	1	0	220
3	2221-030	2231-030	1	0	220
4	2221-040	2231-040	1	0	220

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
Flanged Ends					
1/2	2223-005	2233-005	6	0	220
3/4	2223-007	2233-007	5	0	220
1	2223-010	2233-010	5	0	220
1-1/4	2223-012	2233-012	2	0	220
1-1/2	2223-015	2233-015	3	0	220
2	2223-020	2233-020	2	0	220
2-1/2	2223-025	2233-025	1	0	220
3	2223-030	2233-030	1	0	220
4	2223-040	2233-040	1	0	220

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
Flanged Venturied Ends					
6 VENTURIED	2223-060	2233-060	1	0	221

CPVC

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
Socket & Threaded Ends					
1/2	2229-005C	2239-005C	1	18	222
3/4	2229-007C	2239-007C	1	12	222
1	2229-010C	2239-010C	1	8	222
1-1/4	2229-012C	2239-012C	1	8	222
1-1/2	2229-015C	2239-015C	1	8	222
2	2229-020C	2239-020C	1	4	222

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
Socket Ends					
2-1/2	2222-025C	2232-025C	1	0	222
3	2222-030C	2232-030C	1	0	222
4	2222-040C	2232-040C	1	0	222

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
Socket Venturied Ends					
6 VENTURIED	2222-060C	2232-060C	1	0	223

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
Threaded Ends					
2-1/2	2221-025C	2231-025C	1	0	222
3	2221-030C	2231-030C	1	0	222
4	2221-040C	2231-040C	1	0	222

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
Flanged Ends					
1/2	2223-005C	2233-005C	6	0	222
3/4	2223-007C	2233-007C	5	0	222
1	2223-010C	2233-010C	5	0	222

Suitable for Oil-Free air handling to 25 psi, not for distribution of compressed air or gas

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Valves Product
True Union Ball Check Valves (Regular Style) & Foot Valve Screens & Y-Check Valves

True Union Ball Check Valves (Regular Style)

CPVC (continued)

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
Flanged Ends					
1-1/4	2223-012C	2233-012C	2	0	222
1-1/2	2223-015C	2233-015C	3	0	222
2	2223-020C	2233-020C	2	0	222
2-1/2	2223-025C	2233-025C	1	0	222
3	2223-030C	2233-030C	1	0	222
4	2223-040C	2233-040C	1	0	222
Flanged Venturied Ends					
6 VENTURIED	2223-060C	2233-060C	1	0	223

Foot Valve Screens

Convert Check Valve to Foot Valve using adapter - Fits all Socket Ball Check Valves or any IPS fitting socket or thread

Standard Foot Valve Screen



PVC/CPVC Spigot

Compact Foot Valve Screen



PVC Gray Spigot Or Threaded

Compact Foot Valve Screens



PE Black Threaded Only

Foot Valve Screens - PVC

Size	PVC	CPVC	Std Pk	Mstr Pk	Prod Code
Spigot					
1/2	FVS-005	FVS-005C	10	60	299
3/4	FVS-007	FVS-007C	10	60	299
1	FVS-010	FVS-010C	10	40	299
1-1/4	FVS-012	FVS-012C	5	30	299
1-1/2	FVS-015	FVS-015C	5	0	299
2	FVS-020	FVS-020C	5	0	299
2-1/2	FVS-025	FVS-025C	5	0	299
3	FVS-030	FVS-030C	5	0	299
4	FVS-040	FVS-040C	5	0	299
6	FVS-060	FVS-060C	5	0	299

PVC Compact Foot Valve Screen

Part Number	Size	Std Pk	Mstr Ctn	Prod Code
Spigot				
CFVS7-005	1/2	50	300	299
CFVS7-007	3/4	25	150	299
CFVS7-010	1	25	150	299
CFVS7-012	1-1/4	50	0	299
CFVS7-015	1-1/2	25	0	299
CFVS7-020	2	25	0	299

PVC Compact Foot Valve Screen

Part Number	Size	Std Pk	Mstr Ctn	Prod Code
Threaded				
CFVS1-005	1/2	50	300	299
CFVS1-007	3/4	25	150	299
CFVS1-010	1	20	120	299
CFVS1-012	1-1/4	50	0	299
CFVS1-015	1-1/2	25	0	299
CFVS1-020	2	25	0	299

HDPE Black Compact Foot Valve Screen

Part Number	Size	Std Pk	Mstr Ctn	Prod Code
Threaded				
CFVS1-005P	1/2	50	300	299
CFVS1-007P	3/4	25	150	299
CFVS1-010P	1	20	120	299
CFVS1-012P	1-1/4	50	0	299
CFVS1-015P	1-1/2	25	0	299
CFVS1-020P	2	25	0	299

Y-Check Valves



PVC Clear — Socket Style



Flanged Style

Pressure Rating @ 73°F (23°C), Water
 1/2" - 2" 150 psi
 3" - 4" 90 psi

Maximum Service Temperature
 PVC = 140°F (60°C)
 CPVC = 200°F (93°C)

Temperature/Pressure De-ratings Apply

PVC - Socket Ends

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
1/2	1622-005	1632-005	1	18	627
3/4	1622-007	1632-007	1	18	627
1	1622-010	1632-010	1	12	627
1-1/4	1622-012	1632-012	1	8	627
1-1/2	1622-015	1632-015	1	8	627
2	1622-020	1632-020	1	4	627
3	1622-030	1632-030	1	0	627
4	1622-040	1632-040	1	0	627

PVC - SR Threaded Ends

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
1/2	1621-005SR	1631-005SR	1	18	627

Suitable for Oil-Free air handling to 25 psi, not for distribution of compressed air or gas

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Valves Product
Y-Check Valves

Y-Check Valves

PVC - SR Threaded Ends (continued)

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
3/4	1621-007SR	1631-007SR	1	12	627
1	1621-010SR	1631-010SR	1	8	627
1-1/4	1621-012SR	1631-012SR	1	8	627
1-1/2	1621-015SR	1631-015SR	1	4	627
2	1621-020SR	1631-020SR	1	0	627
3	1621-030SR	1631-030SR	1	0	627
4	1621-040SR	1631-040SR	1	0	627

PVC - Flanged Ends

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
1/2	1623-005	1633-005	1	8	627
3/4	1623-007	1633-007	1	4	627
1	1623-010	1633-010	1	8	627
1-1/4	1623-012	1633-012	1	4	627
1-1/2	1623-015	1633-015	1	4	627
2	1623-020	1633-020	1	0	627
3	1623-030	1633-030	1	0	627
4	1623-040	1633-040	1	0	627

PVC Clear - Socket Ends

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
1/2	1622-005CL	1632-005CL	1	18	628
3/4	1622-007CL	1632-007CL	1	18	628
1	1622-010CL	1632-010CL	1	12	628
1-1/4	1622-012CL	1632-012CL	1	8	628
1-1/2	1622-015CL	1632-015CL	1	8	628
2	1622-020CL	1632-020CL	1	4	628
3	1622-030CL	1632-030CL	1	0	628
4	1622-040CL	1632-040CL	1	0	628

PVC Clear - SR Threaded Ends

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
1/2	1621-005CLSR	1631-005CLSR	1	18	628
3/4	1621-007CLSR	1631-007CLSR	1	12	628
1	1621-010CLSR	1631-010CLSR	1	8	628
1-1/4	1621-012CLSR	1631-012CLSR	1	8	628
1-1/2	1621-015CLSR	1631-015CLSR	1	4	628
2	1621-020CLSR	1631-020CLSR	1	0	628
3	1621-030CLSR	1631-030CLSR	1	0	628
4	1621-040CLSR	1631-040CLSR	1	0	628

PVC Clear - Flanged Ends

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
1/2	1623-005CL	1633-005CL	1	8	628
3/4	1623-007CL	1633-007CL	1	8	628
1	1623-010CL	1633-010CL	1	8	628
1-1/4	1623-012CL	1633-012CL	1	4	628
1-1/2	1623-015CL	1633-015CL	1	4	628
2	1623-020CL	1633-020CL	1	0	628
3	1623-030CL	1633-030CL	1	0	628
4	1623-040CL	1633-040CL	1	0	628

CPVC - Socket Ends

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
1/2	1622-005C	1632-005C	1	18	629
3/4	1622-007C	1632-007C	1	18	629
1	1622-010C	1632-010C	1	12	629
1-1/4	1622-012C	1632-012C	1	8	629
1-1/2	1622-015C	1632-015C	1	8	629
2	1622-020C	1632-020C	1	4	629
3	1622-030C	1632-030C	1	0	629
4	1622-040C	1632-040C	1	0	629

CPVC - SR Threaded Ends

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
1/2	1621-005CSR	1631-005CSR	1	18	629
3/4	1621-007CSR	1631-007CSR	1	12	629
1	1621-010CSR	1631-010CSR	1	8	629
1-1/4	1621-012CSR	1631-012CSR	1	8	629
1-1/2	1621-015CSR	1631-015CSR	1	4	629
2	1621-020CSR	1631-020CSR	1	0	629
3	1621-030CSR	1631-030CSR	1	0	629
4	1621-040CSR	1631-040CSR	1	0	629

CPVC - Flanged Ends

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
1/2	1623-005C	1633-005C	1	8	629
3/4	1623-007C	1633-007C	1	8	629
1	1623-010C	1633-010C	1	8	629
1-1/4	1623-012C	1633-012C	1	4	629
1-1/2	1623-015C	1633-015C	1	4	629
2	1623-020C	1633-020C	1	0	629
3	1623-030C	1633-030C	1	0	629
4	1623-040C	1633-040C	1	0	629

PVC - True Union Socket Ends

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
1/2	162A-005	163A-005	1	12	627
3/4	162A-007	163A-007	1	8	627
1	162A-010	163A-010	1	8	627
1-1/4	162A-012	163A-012	1	4	627
1-1/2	162A-015	163A-015	1	0	627
2	162A-020	163A-020	2	0	627
3	162A-030	163A-030	1	0	627
4	162A-040	163A-040	1	0	627

PVC - True Union Threaded Ends

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
1/2	162B-005	163B-005	1	12	627
3/4	162B-007	163B-007	1	8	627
1	162B-010	163B-010	1	8	627
1-1/4	162B-012	163B-012	1	4	627
1-1/2	162B-015	163B-015	1	0	627
2	162B-020	163B-020	2	0	627
3	162B-030	163B-030	1	0	627
4	162B-040	163B-040	1	0	627

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Valves Product
Y-Check Valves & Y-Check Valve Repair Kits

Y-Check Valves

PVC - True Union SR Threaded Ends

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
1/2	162B-005SR	163B-005SR	1	12	627
3/4	162B-007SR	163B-007SR	1	8	627
1	162B-010SR	163B-010SR	1	8	627
1-1/4	162B-012SR	163B-012SR	1	4	627
1-1/2	162B-015SR	163B-015SR	1	0	627
2	162B-020SR	163B-020SR	1	0	627
3	162B-030SR	163B-030SR	1	0	627
4	162B-040SR	163B-040SR	1	0	627

PVC Clear - True Union Socket Ends

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
1/2	162A-005CL	163A-005CL	1	12	628
3/4	162A-007CL	163A-007CL	1	8	628
1	162A-010CL	163A-010CL	1	8	628
1-1/4	162A-012CL	163A-012CL	1	4	628
1-1/2	162A-015CL	163A-015CL	1	0	628
2	162A-020CL	163A-020CL	2	0	628
3	162A-030CL	163A-030CL	1	0	628
4	162A-040CL	163A-040CL	1	0	628

PVC Clear - True Union Threaded Ends

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
1/2	162B-005CL	163B-005CL	1	12	628
3/4	162B-007CL	163B-007CL	1	8	628
1	162B-010CL	163B-010CL	1	8	628
1-1/4	162B-012CL	163B-012CL	1	4	628
1-1/2	162B-015CL	163B-015CL	1	0	628
2	162B-020CL	163B-020CL	2	0	628
3	162B-030CL	163B-030CL	1	0	628
4	162B-040CL	163B-040CL	1	0	628

PVC Clear - True Union SR Threaded Ends

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
1/2	162B-005CLSR	163B-005CLSR	1	12	628
3/4	162B-007CLSR	163B-007CLSR	1	8	628
1	162B-010CLSR	163B-010CLSR	1	8	628
1-1/4	162B-012CLSR	163B-012CLSR	1	4	628
1-1/2	162B-015CLSR	163B-015CLSR	1	0	628
2	162B-020CLSR	163B-020CLSR	1	0	628
3	162B-030CLSR	163B-030CLSR	1	0	628
4	162B-040CLSR	163B-040CLSR	1	0	628

CPVC - True Union Socket Ends

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
1/2	162A-005C	163A-005C	1	12	629
3/4	162A-007C	163A-007C	1	8	629
1	162A-010C	163A-010C	1	8	629
1-1/4	162A-012C	163A-012C	1	4	629
1-1/2	162A-015C	163A-015C	1	0	629
2	162A-020C	163A-020C	2	0	629
3	162A-030C	163A-030C	1	0	629
4	162A-040C	163A-040C	1	0	629

CPVC - True Union Threaded Ends

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
1/2	162B-005C	163B-005C	1	12	629
3/4	162B-007C	163B-007C	1	8	629
1	162B-010C	163B-010C	1	8	629
1-1/4	162B-012C	163B-012C	1	4	629
1-1/2	162B-015C	163B-015C	1	0	629
2	162B-020C	163B-020C	2	0	629
3	162B-030C	163B-030C	1	0	629
4	162B-040C	163B-040C	1	0	629

CPVC - True Union SR Threaded Ends

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
1/2	162B-005CSR	163B-005CSR	1	12	629
3/4	162B-007CSR	163B-007CSR	1	8	629
1	162B-010CSR	163B-010CSR	1	8	629
1-1/4	162B-012CSR	163B-012CSR	1	4	629
1-1/2	162B-015CSR	163B-015CSR	1	0	629
2	162B-020CSR	163B-020CSR	1	0	629
3	162B-030CSR	163B-030CSR	1	0	629
4	162B-040CSR	163B-040CSR	1	0	629

Y-Check Valve Repair Kits

All Kits include:
1-Seat
1-Bonnet O-ring
1-Plug O-ring

All Union Kits include:
1-Seat
1-Bonnet O-ring
1-Plug O-ring
2-End Connector O-rings

Y-Check Valve - Seat & O-ring Repair Kits

Size	Standard EPDM O-ring	Standard FKM O-ring	Std Pk	Mstr Pk	Prod Code
1/2	YC-ERK-005	YC-VRK-005	1	10	299
3/4	YC-ERK-007	YC-VRK-007	1	10	299
1	YC-ERK-010	YC-VRK-010	1	10	299
1-1/4	YC-ERK-012	YC-VRK-012	1	10	299
1-1/2	YC-ERK-015	YC-VRK-015	1	10	299
2	YC-ERK-020	YC-VRK-020	1	10	299
3	YC-ERK-030	YC-VRK-030	1	10	299
4	YC-ERK-040	YC-VRK-040	1	10	299

Y-Check Valve - Seat & O-ring Repair Kit

Size	True Union w/EPDM O-ring	True Union w/FKM O-ring	Std Pk	Mstr Pk	Prod Code
1/2	YC-UERK-005	YC-UVRK-005	1	10	299
3/4	YC-UERK-007	YC-UVRK-007	1	10	299
1	YC-UERK-010	YC-UVRK-010	1	10	299
1-1/4	YC-UERK-012	YC-UVRK-012	1	10	299
1-1/2	YC-UERK-015	YC-UVRK-015	1	10	299
2	YC-UERK-020	YC-UVRK-020	1	10	299
3	YC-UERK-030	YC-UVRK-030	1	10	299
4	YC-UERK-040	YC-UVRK-040	1	10	299

Suitable for Oil-Free air handling to 25 psi, not for distribution of compressed air or gas

JJ DOWNS INDUSTRIAL PLASTICS INC.

416.236.1884

Toronto, ON

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Valves Product
Butterfly Check Valves

Butterfly Check Valves



Pressure Rating @ 73°F (23°C), Water
 2" - 8" 150 psi
 10" - 14" 100 psi
 16" 70 psi
 18" - 24" 50 psi

Maximum Service Temperature
 PVC = 140°F (60°C)
 CPVC = 200°F (93°C)

Temperature/Pressure De-ratings Apply

General Installation Information: Butterfly Check Valve seating may be affected by normal system turbulence. Flow velocities should be limited to approximately 5 feet per second. Valves should be installed at least 5 pipe diameters away from any fitting, pump or other source of turbulence. If used as a foot valve, do not place near bottom of a tank. Butterfly type check valves should not be used in continuous cycling applications, such as with reciprocating pumps. This can result in premature failure of sealing membrane. In horizontal installations, always orient the Hinge Post Bolts visible on the external body in a vertical (top and bottom) position, perpendicular to flow. In vertical installations downstream from an elbow, flow velocities can be higher on the outer radius of the elbow. To avoid uneven butterfly plate loading, the Hinge Post Bolts should align with crotch and outer radius of elbow and NOT from side to side of the elbow.

PVC

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
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Wafer

2	5420-020	5430-020	1	18	289
2-1/2	5420-025	5430-025	1	0	289
3	5420-030	5430-030	1	8	289
4	5420-040	5430-040	1	4	289

PVC (continued)

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
------	------	-----	--------	---------	-----------

Wafer

6	5420-060	5430-060	1	0	289
8	5420-080	5430-080	1	0	289
10	5420-100	5430-100	1	0	289
12	5420-120	5430-120	1	0	289
14	5420-140		1	0	289
16	5420-160		1	0	289
18	5420-180		1	0	289
20	5420-200		1	0	289
24	5420-240	5430-240	1	0	289

Flanged Ends

2	5423-020	5433-020	1	8	289
2-1/2	5423-025	5433-025	1	0	289
3	5423-030	5433-030	1	0	289
4	5423-040	5433-040	1	0	289
6	5423-060	5433-060	1	0	289
8	5423-080	5433-080	1	0	289
10	5423-100	5433-100	1	0	289
12	5423-120	5433-120	1	0	289
14	5423-140	5433-140	4	0	289
16	5423-160	5433-160	1	0	289
18	5423-180	5433-180	1	0	289
20	5423-200	5433-200	1	0	289
24	5423-240	5433-240	1	0	289

Spigot (Plain End)

2	5427-020	5437-020	1	12	289
2-1/2	5427-025	5437-025	1	12	289
3	5427-030	5437-030	1	8	289
4	5427-040	5437-040	1	4	289
6	5427-060	5437-060	1	0	289
8	5427-080	5437-080	1	0	289
10	5427-100	5437-100	1	0	289
12	5427-120	5437-120	1	0	289
14	5427-140	5437-140	1	0	289
16	5427-160	5437-160	1	0	289
18	5427-180	5437-180	1	0	289
20	5427-200	5437-200	1	0	289
24	5427-240	5437-240	1	0	289

Threaded Ends

2	5421A-020	5431A-020	1	4	289
2-1/2	5421A-025	5431A-025	1	8	289
3	5421A-030	5431A-030	1	8	289
4	5421A-040	5431A-040	1	4	289
6	5421A-060	5431A-060	1	0	289
8	5421A-080	5431A-080	1	0	289
10	5421A-100	5431A-100	1	0	289
12	5421A-120	5431A-120	1	0	289

Grooved Ends

2	542G-020	543G-020	1	12	289
2-1/2	542G-025	543G-025	1	8	289
3	542G-030	543G-030	1	8	289
4	542G-040	543G-040	1	4	289
6	542G-060	543G-060	1	0	289
8	542G-080	543G-080	1	0	289
10	542G-100	543G-100	1	0	289

Suitable for Oil-Free air handling to 25 psi, not for distribution of compressed air or gas

JJ DOWNS INDUSTRIAL PLASTICS INC.

416.236.1884

Toronto, ON

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of plastics distribution



Valves Product
Butterfly Check Valves &
Butterfly Check Valve Repair Kits

Butterfly Check Valves

PVC (continued)

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
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Grooved Ends

12	542G-120	543G-120	1	0	289
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CPVC

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
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Wafer

2	5420-020C	5430-020C	1	18	290
2-1/2	5420-025C	5430-025C	1	0	290
3	5420-030C	5430-030C	1	0	290
4	5420-040C	5430-040C	1	0	290
6	5420-060C	5430-060C	1	0	290
8	5420-080C	5430-080C	1	0	290
10	5420-100C	5430-100C	1	0	290
12	5420-120C	5430-120C	1	0	290

Flanged Ends

2	5423-020C	5433-020C	1	8	290
2-1/2	5423-025C	5433-025C	1	0	290
3	5423-030C	5433-030C	1	0	290
4	5423-040C	5433-040C	1	0	290
6	5423-060C	5433-060C	1	0	290
8	5423-080C	5433-080C	1	0	290
10	5423-100C	5433-100C	1	0	290
12	5423-120C	5433-120C	1	0	290
14	5423-140C	5433-140C	1	0	290
16	5423-160C	5433-160C	1	0	290
18	5423-180C	5433-180C	1	0	290
20	5423-200C	5433-200C	1	0	290
24	5423-240C	5433-240C	1	0	290

Spigot (Plain End)

2	5427-020C	5437-020C	1	12	290
2-1/2	5427-025C	5437-025C	1	12	290
3	5427-030C	5437-030C	1	8	290
4	5427-040C	5437-040C	1	4	290
6	5427-060C	5437-060C	1	0	290
8	5427-080C	5437-080C	1	0	290
10	5427-100C	5437-100C	1	0	290
12	5427-120C	5437-120C	1	0	290
14	5427-140C	5437-140C	1	0	290
16	5427-160C	5437-160C	1	0	290
18	5427-180C	5437-180C	1	0	290
20	5427-200C	5437-200C	1	0	290
24	5427-240C	5437-240C	1	0	290

Threaded Ends

2	5421A-020C	5431A-020C	1	12	290
2-1/2	5421A-025C	5431A-025C	1	8	290
3	5421A-030C	5431A-030C	1	8	290
4	5421A-040C	5431A-040C	1	4	290
6	5421A-060C	5431A-060C	1	0	290
8	5421A-080C	5431A-080C	1	0	290
10	5421A-100C	5431A-100C	1	0	290
12	5421A-120C	5431A-120C	1	0	290

CPVC

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
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Grooved Ends

2	542G-020C	543G-020C	1	12	290
2-1/2	542G-025C	543G-025C	1	8	290
3	542G-030C	543G-030C	1	8	290
4	542G-040C	543G-040C	1	4	290
6	542G-060C	543G-060C	1	0	290
8	542G-080C	543G-080C	1	0	290
10	542G-100C	543G-100C	1	0	290
12	542G-120C	543G-120C	1	0	290

Butterfly Check Valve Repair Kits

PVC & CPVC Butterfly Check Valve Repair Kit is an internal assembly including:

- | | |
|-------------------------|-------------------------------|
| 1-Flex Seal Gasket Seat | 1-Post Strip |
| 1-Hinge Post | 2-Seat Post O-rings |
| 2-Flapper Plates | Plastic Assembly Screws |
| 2-Flapper Covers | Use Existing Hinge Post Bolts |

PVC Butterfly Check Valve Repair Kits

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
2	BFC-ERK-020	BFC-VRK-020	1	10	299
2-1/2	BFC-ERK-025	BFC-VRK-025	1	0	299
3	BFC-ERK-030	BFC-VRK-030	1	10	299
4	BFC-ERK-040	BFC-VRK-040	1	10	299
6	BFC-ERK-060	BFC-VRK-060	1	10	299
8	BFC-ERK-080	BFC-VRK-080	1	10	299
10	BFC-ERK-100	BFC-VRK-100	1	0	299
12	BFC-ERK-120	BFC-VRK-120	1	0	299

CPVC Butterfly Check Valve Repair Kits

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
2	BFC-ERK-020C	BFC-VRK-020C	1	10	299
2-1/2	BFC-ERK-025C	BFC-VRK-025C	1	10	299
3	BFC-ERK-030C	BFC-VRK-030C	1	10	299
4	BFC-ERK-040C	BFC-VRK-040C	1	10	299
6	BFC-ERK-060C	BFC-VRK-060C	1	10	299
8	BFC-ERK-080C	BFC-VRK-080C	1	10	299
10	BFC-ERK-100C	BFC-VRK-100C	1	0	299
12	BFC-ERK-120C	BFC-VRK-120C	1	0	299

Suitable for Oil-Free air handling to 25 psi, not for distribution of compressed air or gas

JJD	 <small>international association of plastics distributors</small>
JJ DOWNS INDUSTRIAL PLASTICS INC.	
416.236.1884	Toronto, ON JJDOWN.COM



Valves Product
Industrial Swing Check Valves

Industrial Swing Check Valves



Threaded Bonnet on Sizes 3/4", 1" & 1-1/4" **Bolted Bonnet on Sizes 1-1/2" & Up**
(Valve Shown with Arrow Indicator Option)

Pressure Rating @ 73°F (23°C), Water
3/4" - 4" 150 psi
6" 100 psi
8" 70 psi

Maximum Service Temperature
PVC = 140°F (60°C)
CPVC = 200°F (93°C)
PP = 180°F (82°C)

Temperature/Pressure De-ratings Apply

All Valves Assembled with Silicone-Free Lubricants

General Installation Information: Swing check valves are designed for horizontal installations, but may be installed in up-flow only vertical position. Check valves MUST be installed with the valve's FLOW arrow pointing in the direction of the flow. Do not install valve upside down. Flow velocity should not exceed 5 ft./sec.

Industrial Swing Check Valves

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
PVC					
3/4	4423-007	4433-007	1	12	108
1	4423-010	4433-010	1	4	108
1-1/4	4423-012	4433-012	1	0	108
1-1/2	4423-015	4433-015	1	0	108
2	4423-020	4433-020	1	0	108
2-1/2	4423-025	4433-025	1	0	110
3	4423-030	4433-030	1	0	110
4	4423-040	4433-040	1	0	110
6	4423-060	4433-060	1	0	110
8	4423-080	4433-080	1	0	110

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
CPVC					
3/4	4423-007C	4433-007C	1	12	109
1	4423-010C	4433-010C	1	4	109
1-1/4	4423-012C	4433-012C	1	0	109
1-1/2	4423-015C	4433-015C	1	0	109
2	4423-020C	4433-020C	1	0	109
2-1/2	4423-025C	4433-025C	1	0	111
3	4423-030C	4433-030C	1	0	111

Industrial Swing Check Valves (continued)

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
CPVC					
4	4423-040C	4433-040C	1	0	111
6	4423-060C	4433-060C	1	0	111
8	4423-080C	4433-080C	1	0	111

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
PP					
3/4	4423-007P	4433-007P	1	12	113
1	4423-010P	4433-010P	1	4	113
1-1/4	4423-012P	4433-012P	1	0	113
1-1/2	4423-015P	4433-015P	1	0	113
2	4423-020P	4433-020P	1	0	113
2-1/2	4423-025P	4433-025P	1	0	112
3	4423-030P	4433-030P	1	0	112
4	4423-040P	4433-040P	1	0	112
6	4423-060P	4433-060P	1	0	112
8	4423-080P	4433-080P	1	0	112

Swing Check Valve With Arrow Indicator

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
PVC					
3/4	4423I-007	4433I-007	1	12	108
1	4423I-010	4433I-010	1	4	108
1-1/4	4423I-012	4433I-012	1	0	108
1-1/2	4423I-015	4433I-015	1	0	108
2	4423I-020	4433I-020	1	0	108
2-1/2	4423I-025	4433I-025	1	0	110
3	4423I-030	4433I-030	1	0	110
4	4423I-040	4433I-040	1	0	110
6	4423I-060	4433I-060	1	0	110
8	4423I-080	4433I-080	1	0	110

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
CPVC					
3/4	4423I-007C	4433I-007C	1	12	109
1	4423I-010C	4433I-010C	1	4	109
1-1/4	4423I-012C	4433I-012C	1	0	109
1-1/2	4423I-015C	4433I-015C	1	0	109
2	4423I-020C	4433I-020C	1	0	109
2-1/2	4423I-025C	4433I-025C	1	0	111
3	4423I-030C	4433I-030C	1	0	111
4	4423I-040C	4433I-040C	1	0	111
6	4423I-060C	4433I-060C	1	0	111
8	4423I-080C	4433I-080C	1	0	111

Industrial Swing Check Valve With Arrow Indicator

Part Number	Size	Std Pk	Mstr Ctn	Prod Code
PP				
4423I-007P	3/4	1	12	113
4423I-010P	1	1	4	113
4423I-012P	1-1/4	1	0	113
4423I-015P	1-1/2	1	0	113
4423I-020P	2	1	0	113
4423I-025P	2-1/2	1	0	112
4423I-030P	3	1	0	112
4423I-040P	4	1	0	112
4423I-060P	6	1	0	112
4423I-080P	8	1	0	112

Suitable for Oil-Free air handling to 25 psi, not for distribution of compressed air or gas

JJ DOWNS INDUSTRIAL PLASTICS INC.

416.236.1884 Toronto, ON JJDOWN.COM



Valves Product
Industrial Swing Check Valves & Industrial Swing Check Valve Accessory
and Repair Kits & Utility Swing Check Valves

Industrial Swing Check Valves

PP Industrial Swing Check Valve with Arrow Indicator

Part Number	Size	Std Pk	Mstr Ctn	Prod Code
FKM				
4433I-007P	3/4	1	12	113
4433I-010P	1	1	4	113
4433I-012P	1-1/4	1	0	113
4433I-015P	1-1/2	1	0	113
4433I-020P	2	1	0	113
4433I-025P	2-1/2	1	0	112
4433I-030P	3	1	0	112
4433I-040P	4	1	0	112
4433I-060P	6	1	0	112
4433I-080P	8	1	0	112

Contact Spears® for MSRP on Additional Specialty Valve Accessories Available:

- Arrow Indicator Kits for Field Installation
- Counter Balance Kits for Field Installation

Swing Check Valve With Counter Balance

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
PVC					
3/4	4423CB-007	4433CB-007	1	8	108
1	4423CB-010	4433CB-010	1	4	108
1-1/4	4423CB-012	4433CB-012	1	0	108
1-1/2	4423CB-015	4433CB-015	1	0	108
2	4423CB-020	4433CB-020	1	0	108
2-1/2	4423CB-025	4433CB-025	1	0	110
3	4423CB-030	4433CB-030	1	0	110
4	4423CB-040	4433CB-040	1	0	110
6	4423CB-060	4433CB-060	1	0	110
8	4423CB-080	4433CB-080	1	0	110

CPVC

3/4	4423CB-007C	4433CB-007C	1	12	109
1	4423CB-010C	4433CB-010C	1	4	109
1-1/4	4423CB-012C	4433CB-012C	1	0	109
1-1/2	4423CB-015C	4433CB-015C	1	0	109
2	4423CB-020C	4433CB-020C	1	0	109
2-1/2	4423CB-025C	4433CB-025C	1	0	111
3	4423CB-030C	4433CB-030C	1	0	111
4	4423CB-040C	4433CB-040C	1	0	111
6	4423CB-060C	4433CB-060C	1	0	111
8	4423CB-080C	4433CB-080C	1	0	111

Industrial Swing Check Valve With Counter Balance

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
PP					
3/4	4423CB-007P	4433CB-007P	1	12	113
1	4423CB-010P	4433CB-010P	1	4	113
1-1/4	4423CB-012P	4433CB-012P	1	0	113
1-1/2	4423CB-015P	4433CB-015P	1	0	113
2	4423CB-020P	4433CB-020P	1	0	113
2-1/2	4423CB-025P	4433CB-025P	1	0	112
3	4423CB-030P	4433CB-030P	1	0	112
4	4423CB-040P	4433CB-040P	1	0	112

Suitable for Oil-Free air handling to 25 psi, not for distribution of compressed air or gas

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Industrial Swing Check Valve With Counter Balance (continued)

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
PP					
6	4423CB-060P	4433CB-060P	1	0	112
8	4423CB-080P	4433CB-080P	1	0	112

Industrial Swing Check Valve Accessory and Repair Kits

Repair Kits include:

- 1-Bonnet O-ring
- 1-Disc O-ring
- 1-Seat O-ring
- 1-Plug O-ring
- 1-Arm Plug O-ring

Industrial Swing Check Valve Repair Kits

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
3/4	SK-ERK-007	SK-VRK-007	1	10	299
1	SK-ERK-010	SK-VRK-010	1	10	299
1-1/2 & 1-1/4	SK-ERK-015	SK-VRK-015	1	10	299
2	SK-ERK-020	SK-VRK-020	1	10	299
2-1/2	SK-ERK-025	SK-VRK-025	1	10	299
3	SK-ERK-030	SK-VRK-030	1	10	299
4	SK-ERK-040	SK-VRK-040	1	10	299
6	SK-ERK-060	SK-VRK-060	1	10	299
8	SK-ERK-080	SK-VRK-080	1	10	299

Utility Swing Check Valves



Pressure Rating @ 73°F (23°C), Water

- 1/2" - 4" Full Flow (open) 150 psi
- Back Pressure (closed) 75 psi
- 6" - 8" Full Flow (open) 100 psi
- Back Pressure (closed) 50 psi

Maximum Service Temperature
140°F (60°C)

Temperature/Pressure De-ratings Apply
EPDM Seat

General Installation Information: Swing check valves are designed for horizontal installations, but may be installed in an up-flow only vertical position. Check valves MUST be installed with the valve's FLOW arrow pointing in the direction of the flow. Do not install valve upside down. Flow velocity should not exceed 5 ft./sec. Minimum opening pressure less than 0.5 psi.

PVC White Swing Check

Size	Socket	Thread	SR Threaded	Std Pk	Mstr Pk	Prod Code
1/2	S1520-05	S1520-05F	S1520-05FSR	35	0	026
3/4	S1520-07	S1520-07F	S1520-07FSR	35	0	026
1	S1520-10	S1520-10F	S1520-10FSR	20	0	026
1-1/4	S1520-12	S1520-12F	S1520-12FSR	12	0	026
1-1/2	S1520-15	S1520-15F	S1520-15FSR	12	0	026
2	S1520-20	S1520-20F	S1520-20FSR	15	0	026



Valves Product
Utility Swing Check Valves & True Union Utility Swing Check Valves & Compression Utility Swing Check Valves

Utility Swing Check Valves

PVC White Swing Check (continued)

Size	Socket	Thread	SR Threaded	Std Pk	Mstr Pk	Prod Code
2-1/2	S1520-25	S1520-25F	S1520-25FSR	5	0	026
3	S1520-30	S1520-30F	S1520-30FSR	4	0	026
4	S1520-40	S1520-40F	S1520-40FSR	2	0	026
6	S1520-60	S1520-60F	S1520-60FSR	1	0	026
8	S1520-80			1	0	026

PVC Clear Swing Check

Size	Socket	Thread	SR Threaded	Std Pk	Mstr Pk	Prod Code
1/2	S1520C05	S1520C05F	S1520C05FSR	35	0	026
3/4	S1520C07	S1520C07F	S1520C07FSR	35	0	026
1	S1520C10	S1520C10F	S1520C10FSR	20	0	026
1-1/4	S1520C12	S1520C12F	S1520C12FSR	12	0	026
1-1/2	S1520C15	S1520C15F	S1520C15FSR	12	0	026
2	S1520C20	S1520C20F	S1520C20FSR	15	0	026
2-1/2	S1520C25	S1520C25F	S1520C25FSR	5	0	026
3	S1520C30	S1520C30F	S1520C30FSR	4	0	026
4	S1520C40	S1520C40F	S1520C40FSR	2	0	026
6	S1520C60	S1520C60F	S1520C60FSR	1	0	026
8	S1520C80			1	0	026

True Union Utility Swing Check Valves



Pressure Rating @ 73°F (23°C), Water
 Full Flow (open) 150 psi
 Back Pressure (closed) 75 psi

Maximum Service Temperature
 140°F (60°C)

Temperature/Pressure De-ratings Apply
 EPDM Seat

General Installation Information: Swing check valves are designed for horizontal installations, but may be installed in an up-flow only vertical position. Check valves MUST be installed with the valve's FLOW arrow pointing in the direction of the flow. Do not install valve upside down. Flow velocity should not exceed 5 ft./sec. Minimum opening pressure less than 0.5 psi.

PVC White True Union Swing Check

Size	Socket	Threaded	SR Thread	Std Pk	Mstr Pk	Prod Code
1/2	S1720-05	S1720-05F	S1720-05FSR	35	0	026
3/4	S1720-07	S1720-07F	S1720-07FSR	30	0	026
1	S1720-10	S1720-10F	S1720-10FSR	18	0	026
1-1/4	S1720-12	S1720-12F	S1720-12FSR	12	0	026
1-1/2	S1720-15	S1720-15F	S1720-15FSR	10	0	026
2	S1720-20	S1720-20F	S1720-20FSR	10	0	026
2-1/2	S1720-25	S1720-25F	S1720-25FSR	2	0	026
3	S1720-30	S1720-30F	S1720-30FSR	2	0	026
4	S1720-40	S1720-40F	S1720-40FSR	1	0	026

PVC Clear True Union Swing Check

Size	Socket	Threaded	SR Thread	Std Pk	Mstr Pk	Prod Code
1/2	S1720C05	S1720C05F	S1720C05FSR	35	0	026
3/4	S1720C07	S1720C07F	S1720C07FSR	30	0	026
1	S1720C10	S1720C10F	S1720C10FSR	18	0	026
1-1/4	S1720C12	S1720C12F	S1720C12FSR	12	0	026
1-1/2	S1720C15	S1720C15F	S1720C15FSR	10	0	026
2	S1720C20	S1720C20F	S1720C20FSR	10	0	026
2-1/2	S1720C25	S1720C25F	S1720C25FSR	2	0	026
3	S1720C30	S1720C30F	S1720C30FSR	2	0	026
4	S1720C40	S1720C40F	S1720C40FSR	1	0	026

Compression Utility Swing Check Valves



Pressure Rating @ 73°F (23°C), Water
 Full Flow (open) 150 psi
 Back Pressure (closed) 75 psi

Maximum Service Temperature
 140°F (60°C)

Temperature/Pressure De-ratings Apply

- Standard Swing Check Assembly Maintains a Positive Seal
- Convenient Compression Ends for Quick Connections
- Engineered for Maximum Flow, Quick Response & Positive Shutoff
- Excellent for Pool & Spa, OEM and General Purpose Applications
- Compact, Space-Saving Design
- Replaceable PVC White or Clear Sealed Unit
- High Grade EPDM Seat
- Suitable for Horizontal or Vertical Up-flow Installations
- Pressure Rated to 150 psi @ 73°F Full Flow (open), 75 psi Back Pressure (closed)
- Maximum Service Temperature 140°F (temperature/pressure de-ratings apply)

General Installation Information: Swing check valves are designed for horizontal installations, but may be installed in up-flow only vertical position. Check valves MUST be installed with the valve's FLOW arrow pointing in the direction of the flow. Do not install valve upside down. Flow velocity should not exceed 5 ft./sec. Minimum opening pressure less than 0.5 psi.

PVC White Compression End Swing Check

Part Number	Size	Std Pk	Mstr Ctn	Prod Code
Compression End				
S1500-05	1/2	20	0	026
S1500-07	3/4	35	0	026
S1500-10	1	20	0	026
S1500-12	1-1/4	12	0	026
S1500-15	1-1/2	12	0	026
S1500-20	2	10	0	026
S1500-25	2-1/2	5	0	026
S1500-30	3	4	0	026
S1500-40	4	2	0	026

Suitable for Oil-Free air handling to 25 psi, not for distribution of compressed air or gas

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Valves Product
**Compression Utility Swing Check Valves &
 Utility Spring Check Valves**

Compression Utility Swing Check Valves

PVC Clear Compression End Swing Check

Part Number	Size	Std Pk	Mstr Ctn	Prod Code
Compression End				
S1500C05	1/2	35	0	026
S1500C07	3/4	35	0	026
S1500C10	1	20	0	026
S1500C12	1-1/4	12	0	026
S1500C15	1-1/2	12	0	026
S1500C20	2	10	0	026
S1500C25	2-1/2	5	0	026
S1500C30	3	4	0	026
S1500C40	4	2	0	026

Compression Coupling Nut Wrenches

Part Number	Size	Std Pk	Mstr Ctn	Prod Code
CCW-005	1/2	1	50	299
CCW-007	3/4	1	50	299
CCW-010	1	1	50	299
CCW-012	1-1/4	1	50	299
CCW-015	1-1/2	1	50	299
CCW-020 ¹	2	1	50	299
CCW-030 ²	3	1	25	299

¹ CCW-20 - Wrench also fits 2-1/2" Coupling Body

² CCW-30 - Wrench also fits 4" Coupling Body

Compression Coupling Nut Wrench Sets

Part Number	Size	Std Pk	Mstr Ctn	Prod Code
CCW-000	Set	1	25	299

Complete Set of Wrenches, Sizes 1/2" - 3"

Utility Spring Check Valves

(Spring Assisted Swing Check)



Pressure Rating @ 73°F (23°C), Water
 Full Flow (open) 150 psi
 Back Pressure (closed) 75 psi

Maximum Service Temperature
 140°F (60°C)

Temperature/Pressure De-ratings Apply EPDM Seat

Stainless Steel Spring Assisted (non-adjustable)

General Installation Information: Spring check valves are designed for horizontal installations, but may be installed in an up-flow only vertical position. Check valves MUST be installed with the valve's FLOW arrow pointing in the direction of the flow. Do not install valve upside down. Flow velocity should not exceed 5 ft./sec. Minimum opening pressure less than 0.5 psi.

PVC White Spring Check (Spring Assisted Swing Check)

Size	Socket	Thread	SR Thread	Std Pk	Mstr Pk	Prod Code
1/2	S1580-05	S1580-05F	S1580-05FSR	20	0	026
3/4	S1580-07	S1580-07F	S1580-07FSR	20	0	026
1	S1580-10	S1580-10F	S1580-10FSR	20	0	026
1-1/4	S1580-12	S1580-12F	S1580-12FSR	12	0	026
1-1/2	S1580-15	S1580-15F	S1580-15FSR	12	0	026
2	S1580-20	S1580-20F	S1580-20FSR	15	0	026
2-1/2	S1580-25	S1580-25F	S1580-25FSR	5	0	026
3	S1580-30	S1580-30F	S1580-30FSR	4	0	026
4	S1580-40	S1580-40F	S1580-40FSR	2	0	026

PVC Clear Spring Check (Spring Assisted Swing Check)

Size	Socket	Thread	SR Thread	Std Pk	Mstr Pk	Prod Code
1/2	S1580C05	S1580C05F	S1580C05FSR	20	0	026
3/4	S1580C07	S1580C07F	S1580C07FSR	20	0	026
1	S1580C10	S1580C10F	S1580C10FSR	20	0	026
1-1/4	S1580C12	S1580C12F	S1580C12FSR	12	0	026
1-1/2	S1580C15	S1580C15F	S1580C15FSR	12	0	026
2	S1580C20	S1580C20F	S1580C20FSR	15	0	026
2-1/2	S1580C25	S1580C25F	S1580C25FSR	5	0	026
3	S1580C30	S1580C30F	S1580C30FSR	4	0	026
4	S1580C40	S1580C40F	S1580C40FSR	2	0	026

Suitable for Oil-Free air handling to 25 psi, not for distribution of compressed air or gas

JJ DOWNS INDUSTRIAL PLASTICS INC.

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Valves Product
**True Union Utility Spring Check Valves
 & Diaphragm Check Valves**

True Union Utility Spring Check Valves



Pressure Rating @ 73°F (23°C), Water
 Full Flow (open) 150 psi
 Back Pressure (closed) 75 psi

Maximum Service Temperature
 140°F (60°C)

Temperature/Pressure De-ratings Apply

EPDM Seat

Stainless Steel Spring Assisted
 (non-adjustable)

General Installation Information: Spring check valves are designed for horizontal installations, but may be installed in an up-flow only vertical position. Check valves MUST be installed with the valve's FLOW arrow pointing in the direction of the flow. Do not install valve upside down. Flow velocity should not exceed 5 ft./sec. Minimum opening pressure less than 0.5 psi.

Diaphragm Check Valves



Pressure Rating @ 73°F (23°C), Water
 Full Flow (open) = 150 psi
 Back Pressure (closed) = 100 psi

Maximum Service Temperature
 PVC = 140°F (60°C)
 CPVC = 200°F (93°C)

Temperature/Pressure De-ratings Apply
 Santoprene™ TPE Seat

PVC White True Union Spring Check (Spring Assisted Swing Check)

Size	Socket	Thread	SR Thread	Std Pk	Mstr Pk	Prod Code
1/2	S1780-05	S1780-05F	S1780-05FSR	20	0	026
3/4	S1780-07	S1780-07F	S1780-07FSR	30	0	026
1	S1780-10	S1780-10F	S1780-10FSR	18	0	026
1-1/4	S1780-12	S1780-12F	S1780-12FSR	12	0	026
1-1/2	S1780-15	S1780-15F	S1780-15FSR	10	0	026
2	S1780-20	S1780-20F	S1780-20FSR	10	0	026
2-1/2	S1780-25	S1780-25F	S1780-25FSR	2	0	026
3	S1780-30	S1780-30F	S1780-30FSR	2	0	026
4	S1780-40	S1780-40F	S1780-40FSR	1	0	026

PVC Clear True Union Spring Check (Spring Assisted Swing Check)

Size	Socket	Thread	SR Thread	Std Pk	Mstr Pk	Prod Code
1/2	S1780C05	S1780C05F	S1780C05FSR	20	0	026
3/4	S1780C07	S1780C07F	S1780C07FSR	30	0	026
1	S1780C10	S1780C10F	S1780C10FSR	18	0	026
1-1/4	S1780C12	S1780C12F	S1780C12FSR	12	0	026
1-1/2	S1780C15	S1780C15F	S1780C15FSR	10	0	026
2	S1780C20	S1780C20F	S1780C20FSR	10	0	026
2-1/2	S1780C25	S1780C25F	S1780C25FSR	2	0	026
3	S1780C30	S1780C30F	S1780C30FSR	2	0	026
4	S1780C40	S1780C40F	S1780C40FSR	1	0	026

PVC Diaphragm Check Valves - Socket

Part Number	Size	Std Pk	Mstr Ctn	Prod Code
6562-007	3/4	15	0	004

PVC Diaphragm Check Valves - Thread

Part Number	Size	Std Pk	Mstr Ctn	Prod Code
6561-007	3/4	15	0	004

CPVC Diaphragm Check Valves - Socket

Part Number	Size	Std Pk	Mstr Ctn	Prod Code
6562-007C	3/4	15	0	004

CPVC Diaphragm Check Valves - Thread

Part Number	Size	Std Pk	Mstr Ctn	Prod Code
6561-007C	3/4	15	0	004

General Installation Information: Diaphragm Check Valves have "normally closed" operation with 1 - 1-1/2 psi opening pressure and can be mounted in any position. Check valves MUST be installed with the valve's FLOW arrow pointing in the direction of the flow. Flow velocity should not exceed 5 ft./sec.

Suitable for Oil-Free air handling to 25 psi, not for distribution of compressed air or gas

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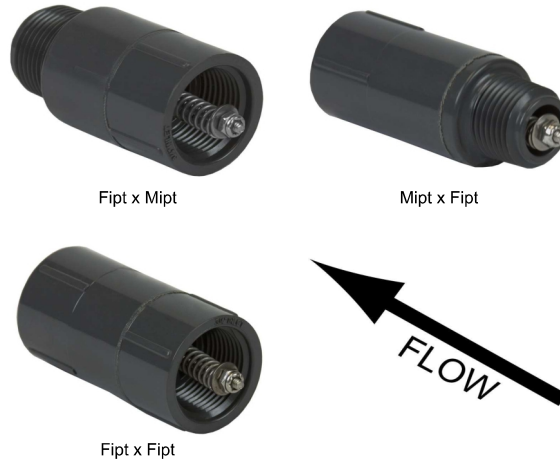
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Valves Product
PVC In-line Adjustable Spring Check Valves

PVC In-line Adjustable Spring Check Valves



Pressure Rating @ 73°F (23°C), Water
 200 psi
 Maximum Service Temperature
 PVC = 140°F (60°C)
 Temperature/Pressure De-ratings Apply

2 - 14 lbs. Adjustable Spring Tension
 (5 to 32 feet of head)
 Factory Preset to Approx. 5 psi
 (12 feet of head)
 Each full turn of adjustment nut = 1 psi
 (2.3 feet of head)
 Stainless Steel Adjustment Hardware
 EPDM Seat

Standard Unit - Female Inlet x Male Outlet

Part Number	Size	Std Pk	Mstr Ctn	Prod Code
Fipt x Mipt (Inlet x Outlet)				
S1102-05	1/2	30	180	026
S1102-07	3/4	25	150	026
S1102-10	1	25	150	026
S1102-05-07	1/2X3/4	25	150	026

Male Inlet x Female Outlet Option

Part Number	Size	Std Pk	Mstr Ctn	Prod Code
Mipt x Fipt (Inlet x Outlet)				
S1101-05	1/2	30	180	026

Female Inlet x Female Outlet Option

Part Number	Size	Std Pk	Mstr Ctn	Prod Code
Fipt x Fipt (Inlet x Outlet)				
S1100-07	3/4	25	150	026

Suitable for Oil-Free air handling to 25 psi, not for distribution of compressed air or gas

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