



Thermoplastic Valves Sewer Disconnect

Spears® Sewer Disconnect functions as both cleanout and disconnect device, plus helps prevent sewage backup during hurricanes and floods. Complete unit consists of body and plunger (sold separately - both parts are required for proper use). The plunger can be screwed into the body to block solids waste flow. The plunger should be removed from the body and stored when not in use to prevent accidental closing (i.e., from ground vibration, etc.).

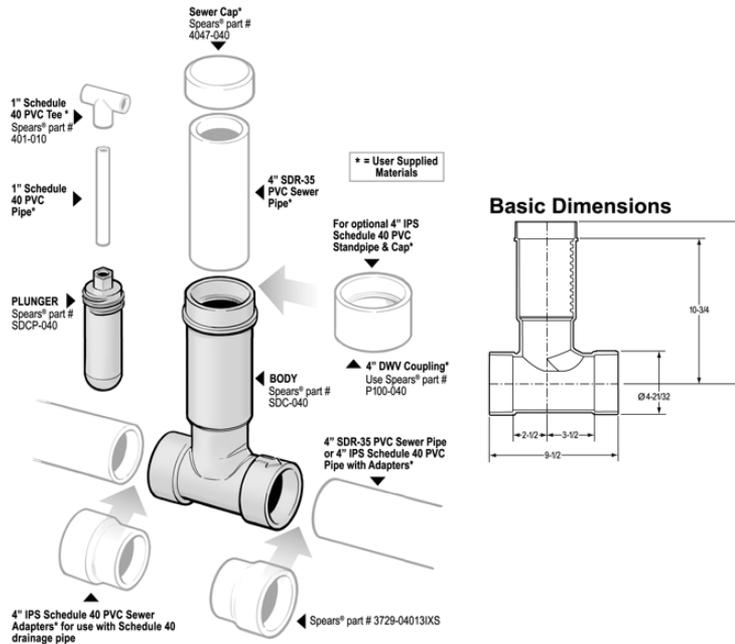


- Connects directly to 4" SDR-35 (or any ASTM D3034/D2729) PVC Sewer Pipe.
- Easily adapted to 4" Schedule 40 PVC Drainage Pipe with addition of IPS x Sewer Adapters, Socket x Spigot, Spears® part no. 3729-04013IXS.
- User-supplied standpipe can be installed to grade using PVC Sewer Pipe connected to the body branch socket and a Sewer Cap to close off (Spears® part no. 4047-040). Optionally, user-supplied Schedule 40 Pipe can be used for standpipe with addition of a Schedule 40 DWV Socket Coupling (Spears® part no. P100-040) and Cap (Spears® part no. P116-040).
- T-handle for Plunger operation can be easily fabricated from user-supplied 1" Schedule 40 Pipe and Tee fitting (Spears® part no. 401-010).



Note - the unit restricts flow by approximately 85%. As a result, the unit must be located in the sewer line where solids are present. Full disconnect is not achieved without solids in the flow.

Auxiliary Components (Purchased Separately)



Sewer Disconnect Body

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
SDC-040	4	6	0	055	72.66

Sewer Socket X Sewer Socket.

Requires Separate Purchase of SDCP-040 Plunger

Requires Purchase of SDCP-040 Plunger

SDC-040	4	6	0	055	72.66
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Sewer Disconnect Plunger

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
SDCP-040	4	12	0	055	25.02

For Use With Sewer Disconnect

Body. Requires Separate Purchase of SDC-040 Body

Requires Purchase of SDC-040 Body

SDCP-040	4	12	0	055	25.02
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Optional IPS x SEWER Adapter

IPS Socket x Sewer Spigot for adapting Sewer Disconnect Body to Schedule 40 drainage pipe



3729-04013IXS	4	1	90	399	17.51
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Thermoplastic Valves Industrial PVC Backwater Valves



Backwater Valves are designed to prevent backflow in numerous applications where easy service access for maintenance and cleaning is needed. Excellent for use in sanitary or storm sewer drainage systems to prevent waste back up due to inadequate drainage, for balancing multi-level ponds, aquaculture features or storage tank systems, and many other applications. Spears® Backwater Valve has been engineered for improved function and easier service, especially in buried service with use of optional Service-Access Extension available either preassembled with valve or as an add-on kit.

- Replaceable internal flapper assembly with EPDM Seat.
- Service-Access Extension available either preassembled with valve, as an add-on kit, or as valve & extension kit components with user supplied pipe.
- Direct Connection to ASTM D 2665 PVC DWV or other IPS size pipe. Spears® fabricated IPS x Sewer Adapters or DWV x Sewer & Drain Adapter Bushings are available for connection to ASTM D 3034 & ASTM D 2729 Sewer pipe.
- Pressure Rated to 43 psi (100 feet of head) @ 73°F (23°C).
- All extension kits can be cut shorter for custom application.
- Conforms to ASME/ANSI A112.14.1 for Backwater Valves.

PVC Backwater Valves



PVC Backwater Valves Soc x Soc - Valve Only

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
S275P	2	1	12	055	59.05
S375P	3	2	0	055	59.17
S475P	4	1	0	055	65.55
S675P	6	1	0	055	279.26

PVC Backwater Valves with Extension Kit to Premade Length



PVC Backwater Valves with Extension Kit to Premade Length Soc x Soc - Assembled with Extension

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
S275P-120 ¹	2X12HT	1	0	055	178.12
S275P-160 ¹	2X16HT	1	0	055	191.59
S275P-200 ¹	2X20HT	1	0	055	205.05
S275P-240 ¹	2X24HT	1	0	055	218.53
S275P-360 ¹	2X36HT	1	0	055	229.52
S275P-480 ¹	2X48HT	1	0	055	252.25
S375P-120 ¹	3X12HT	1	0	055	178.12
S375P-160 ¹	3X16HT	1	0	055	191.59
S375P-200 ¹	3X20HT	1	0	055	205.05
S375P-240 ¹	3X24HT	1	0	055	218.53
S375P-360 ¹	3X36HT	1	0	055	229.52
S375P-480 ¹	3X48HT	1	0	055	252.25
S475P-120 ¹	4X12HT	1	0	055	231.36

PVC Backwater Valves with Extension Kit to Premade Length

Soc x Soc - Assembled with Extension (continued)

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
S475P-160 ¹	4X16HT	1	0	055	249.59
S475P-200 ¹	4X20HT	1	0	055	266.20
S475P-240 ¹	4X24HT	1	0	055	283.85
S475P-360 ¹	4X36HT	1	0	055	298.11
S475P-480 ¹	4X48HT	1	0	055	327.60
S675P-120 ¹	6X12HT	1	0	055	485.82
S675P-160 ¹	6X16HT	1	0	055	524.14
S675P-200 ¹	6X20HT	1	0	055	559.02
S675P-240 ¹	6X24HT	1	0	055	596.16
S675P-360 ¹	6X36HT	1	0	055	626.04
S675P-480 ¹	6X48HT	1	0	055	687.95

¹ - Size designates nominal valve size x extension height (HT-top of valve to top of extension, inches)

PVC Service-Access Extension Kit Only to Premade Length



PVC Service-Access Extension Kit: includes factory assembled internal flap assembly, assembly extension pipe, and external extension housing with top access adapter. Requires solvent cement assembly to existing valve and uses existing threaded Access Plug. Standard Extensions are available in convenient increments of 12", 16", 20", 24", 36", and 48" (measured from top of valve to top of extension). Contact Spears® for pricing on custom cut lengths. All extension kits can be cut shorter in the field for custom fits prior to cementing access adapter in place.

PVC Service-Access Extension Kit Only to Premade Length

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
SAEK-020-120 ¹	2X12HT	1	0	055	55.55
SAEK-020-160 ¹	2X16HT	1	0	055	57.14
SAEK-020-200 ¹	2X20HT	1	0	055	58.65
SAEK-020-240 ¹	2X24HT	1	0	055	61.46
SAEK-020-360 ¹	2X36HT	1	0	055	64.37
SAEK-020-480 ¹	2X48HT	1	0	055	67.52
SAEK-030-120 ¹	3X12HT	1	0	055	60.24
SAEK-030-160 ¹	3X16HT	1	0	055	68.00
SAEK-030-200 ¹	3X20HT	1	0	055	72.04
SAEK-030-240 ¹	3X24HT	1	0	055	81.19
SAEK-030-360 ¹	3X36HT	1	0	055	96.04
SAEK-030-480 ¹	3X48HT	1	0	055	113.59
SAEK-040-120 ¹	4X12HT	1	0	055	89.83
SAEK-040-160 ¹	4X16HT	1	0	055	101.27
SAEK-040-200 ¹	4X20HT	1	0	055	124.92
SAEK-040-240 ¹	4X24HT	1	0	055	136.79



Thermoplastic Valves Industrial PVC Backwater Valves

PVC Service-Access Extension Kit Only to Premade Length (continued)

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
SAEK-040-360 ¹	4X36HT	1	0	055	172.06
SAEK-040-480 ¹	4X48HT	1	0	055	198.64
SAEK-060-120 ¹	6X12HT	1	0	055	160.94
SAEK-060-160 ¹	6X16HT	1	0	055	182.92
SAEK-060-200 ¹	6X20HT	1	0	055	207.41
SAEK-060-240 ¹	6X24HT	1	0	055	237.97
SAEK-060-360 ¹	6X36HT	1	0	055	295.39
SAEK-060-480 ¹	6X48HT	1	0	055	366.67

¹ - Size designates nominal valve size x extension height (HT-top of valve to top of extension, inches)

PVC Backwater Valve with Extension Components



PVC Backwater Valve with Extension Components Soc x Soc - Components Must be assembled with user supplied pipe (see Table 1)

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
S275P-AK	2	1	8	055	87.00
S375P-AK	3	1	0	055	87.00
S475P-AK	4	1	0	055	101.77
S675P-AK	6	1	0	055	360.38

PVC Backwater Valve Extension Components Only



PVC Backwater Valve Extension Components Only Must be assembled with user supplied pipe (see Table 1)

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
S275P-ECK	2	1	8	055	46.33
S375P-ECK	3	1	0	055	46.33
S475P-ECK	4	1	0	055	60.37
S675P-ECK	6	1	0	055	126.83

PVC Backwater Valve Extension Components Only Must be assembled with user supplied pipe (see Table 1) (continued)

Table 1: User Supplied Pipe Requirements
For Use With Extension Components

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
Valve Size	Acceptable RISER Pipe Types for User-Supplied Pipe	Acceptable HANDLE Pipe			
2"	4" Class 125 PVC PIPE 4" Sch 40 PVC PIPE	Use any 3/4" IPS plastic pipe ¹			
3"	5" Class 125 PVC PIPE 5" Sch 40 PVC PIPE ³ 6" D3034 (SDR 35) PVC SEWER PIPE ²				
4"	8" Class 125 PVC PIPE 8" Sch 40 PVC PIPE				
6"	10" Class 125 PVC PIPE 10" Sch 40 PVC PIPE				

Note 1: Riser and Handle pipe are *not* the same length. Sch 40 and/or Sch 80 pipe as well as ABS may be used. Special cement must be used to join PVC to ABS.
Note 2: When 6" SDR35 pipe is used, adapter fits pipe inside diameter.
Note 3: DO NOT use Sch 80 for 3" Riser pipe.

Industrial Backwater Valve Flapper Repair Kit



Industrial Backwater Valve Flapper Repair Kit

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
Complete Flapper Assembly replacement					
S275P-FRK	2	1	10	055	34.48
S375P-FRK	3	1	10	055	43.48
S475P-FRK	4	1	10	055	50.64
S675P-FRK	6	1	5	055	90.18

PVC Backwater Valve Metric Adapters



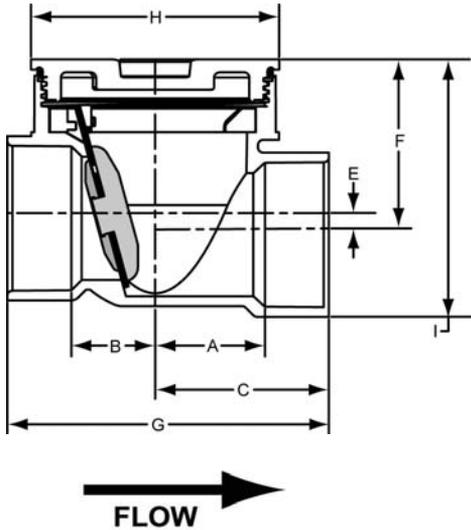
PVC Backwater Valve Metric Adapters

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
Metric Socket x ASTM Spigot					
S275MA-063	63mm X 2	50	0	055	15.28
S375MA-090	90mm X 3	25	0	055	16.42
S475MA-110	110mm X 4	10	0	055	19.45
S675MA-160	160mm X 6	4	0	055	44.89



Technical Information

STANDARD VALVE



Standard Valve Dimensions (Inches)

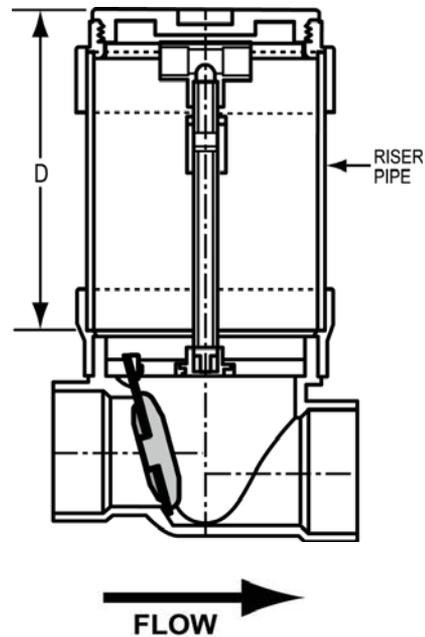
Size	A	B	C	E	F	G	H	I
2	1-13/16	1-3/4	2-5/8	5/16	3-1/4	5-9/32	4-3/16	4-9/16
3	2-5/8	2	4-3/16	13/32	4-1/8	7-3/4	6	6-1/8
4	3-5/8	3-3/4	5-7/16	23/32	5-7/16	10-15/16	8-1/4	7-15/16
6	4-3/4	4-5/8	7-3/4	13/16	7-3/16	15-3/8	11-1/4	10-13/16

Valve with Extension Kit Dimensions (Inches)

HEIGHT-D
12
16
20
24
36
48

D = Top of plug Standard Valve to top of plug with Extension

VALVE WITH EXTENSION KIT





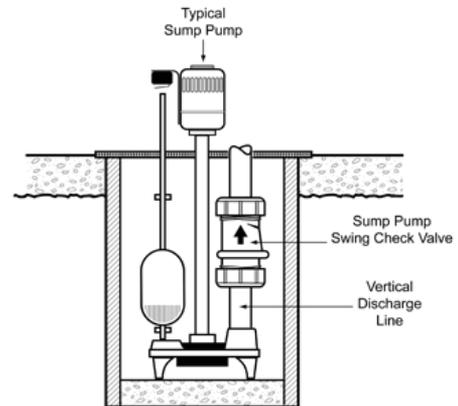
Thermoplastic Valves Sump Pump Swing Check Valve & Quiet Check Valve

Sump Pump Swing Check Valve



- Specifically Designed for Use on Sump Pump Discharge Lines (See Illustration)
- Includes Compression End Connectors with Buna-N Gaskets for Use on Either 1-1/4" or 1-1/2" Pipe
- All Plastic Construction with Elastomer Seals - No Metal Parts
- Angled Seat and Weighted Flapper for Low-Pressure Seal
- Suitable for Vertical Up-flow or Horizontal Installations

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



General Installation Information: Sump Pump Swing Check Valves may be installed in either vertical up-flow (see illustration) or horizontal positions on pump discharge line. Check valves MUST be installed with the valve's FLOW arrow pointing in the direction of the flow. In horizontal installations, the designated side must be positioned "up." Do not install Check Valve upside down.

PVC Sump Pump Swing Check Valve

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
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Compression Ends

Buna-N Gaskets included for both 1-1/4" & 1-1/2" pipe

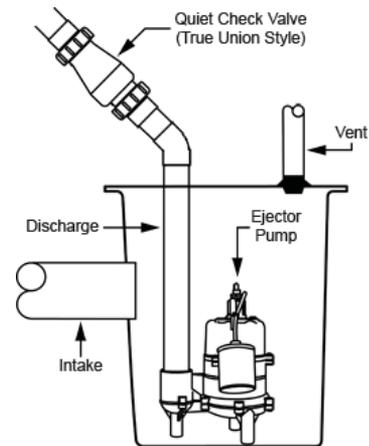
S1400-15	1-1/2 & 1-1/4	16	0	026	18.80
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Quiet Check Valve



- Designed to Provide Quiet Operation in Sump Pump or Sewage Ejector Pump Systems.
- Spring Controlled Rate of Closing Prevents Slamming and Eliminates Noise.
- Includes Both True Union Sockets for Easy Servicing and Direct Socket Connection for Installation in Confined Space.
- 2" Size for Sewage Ejector Systems, 1-1/2" Size for Sump Pump Effluent Systems.

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



Typical Application

General Installation Information: Install check valve 12"-18" above pump discharge, or as recommended by pump system manufacturer. Be sure check valve installation complies with local codes. Valve may be installed in either vertical up-flow or horizontal positions on pump discharge line. Check valves MUST be installed with the valve's FLOW arrow pointing in the direction of the flow. In horizontal installations, the designated side must be positioned "up."

PVC Quiet Check Valve

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
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Soc x Soc

True Union or Direct Socket End Connection

8622-015	1-1/2	12	0	026	42.11
8622-020	2	10	0	026	60.19

Thermoplastic Valves Swing Check Ball Valve



- One-piece Combination for Applications Requiring In-line Ball Valve and Check Valves
- Compact, Space-Saving Design
- True Union Design Allows Easy Service and Cleaning
- High Grade EPDM Seals
- Replaceable PTFE HDPE Ball Valve Seats
- Safety-Blocked™ Seal Carrier on Ball Valve
- Replaceable Sealed Check Valve Cartridge
- Suitable for Horizontal or Vertical Up-flow Installations
- Socket End Connections

General Installation Information: Swing Check Ball Valves are designed for horizontal installations, but may be installed in up-flow only vertical position. The Check Valve portion **MUST** be installed with the valve's FLOW arrow pointing in the direction of flow and with the designated side up in horizontal installations. Do Not install Check Valve upside down. The Ball Valve portion may be rotated and installed in any position. Flow velocity should not exceed 5 ft./sec. Minimum opening pressure is less than 0.5 psi.

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

PVC Swing Check Ball Valve

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
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Soc x Soc

7622-015	1-1/2	10	0	026	42.57
7622-020	2	6	0	026	61.09