

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.

- 1 Replaceable internal flapper assembly with EPDM Seat.
- 1 Service-Access Extension available either preassembled with valve, as an add-on kit, or as valve & extension kit components with user supplied pipe.
- 1 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.
- 1 Pressure Rated to 43 psi (100 feet of head) @ 73°F (23°C).
- 1 All extension kits can be cut shorter for custom application.
- 1 Conforms to ASME/ANSI A112.14.1 for 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	56.10
S375P	3	2	0	055	56.21
S475P	4	1	0	055	62.27
S675P	6	1	0	055	265.30

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	2 x 12HT	1	0	055	169.21
S275P-160 ¹	2 x 16HT	1	0	055	182.01
S275P-200 ¹	2 x 20HT	1	0	055	194.80
S275P-240 ¹	2 x 24HT	1	0	055	207.60
S275P-360 ¹	2 x 36HT	1	0	055	218.04
S275P-480 ¹	2 x 48HT	1	0	055	239.64
S375P-120 ¹	3 x 12HT	1	0	055	169.21
S375P-160 ¹	3 x 16HT	1	0	055	182.01
S375P-200 ¹	3 x 20HT	1	0	055	194.80
S375P-240 ¹	3 x 24HT	1	0	055	207.60
S375P-360 ¹	3 x 36HT	1	0	055	218.04
S375P-480 ¹	3 x 48HT	1	0	055	239.64
S475P-120 ¹	4 x 12HT	1	0	055	219.79
S475P-160 ¹	4 x 16HT	1	0	055	237.11
S475P-200 ¹	4 x 20HT	1	0	055	252.89
S475P-240 ¹	4 x 24HT	1	0	055	269.66
S475P-360 ¹	4 x 36HT	1	0	055	283.20
S475P-480 ¹	4 x 48HT	1	0	055	311.22
S675P-120 ¹	6 x 12HT	1	0	055	461.53
S675P-160 ¹	6 x 16HT	1	0	055	497.93
S675P-200 ¹	6 x 20HT	1	0	055	531.07
S675P-240 ¹	6 x 24HT	1	0	055	566.35
S675P-360 ¹	6 x 36HT	1	0	055	594.74
S675P-480 ¹	6 x 48HT	1	0	055	653.55

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

Made in the U.S.A.

NOT FOR USE WITH COMPRESSED AIR OR GAS

Thursday, January 13, 2011 7:36:57 AM

Progressive Products from Spears® Innovation and Technology

Page 32



Industrial PVC Backwater Valves

PVC Service-Access Extension Kit Only to Premade Length

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
SAEK-020-120 ¹	2 x 12HT	1	0	055	52.77
SAEK-020-160 ¹	2 x 16HT	1	0	055	54.28
SAEK-020-200 ¹	2 x 20HT	1	0	055	55.72
SAEK-020-240 ¹	2 x 24HT	1	0	055	58.39
SAEK-020-360 ¹	2 x 36HT	1	0	055	61.15
SAEK-020-480 ¹	2 x 48HT	1	0	055	64.14
SAEK-030-120 ¹	3 x 12HT	1	0	055	57.23
SAEK-030-160 ¹	3 x 16HT	1	0	055	64.60
SAEK-030-200 ¹	3 x 20HT	1	0	055	68.44
SAEK-030-240 ¹	3 x 24HT	1	0	055	77.13
SAEK-030-360 ¹	3 x 36HT	1	0	055	91.24
SAEK-030-480 ¹	3 x 48HT	1	0	055	107.91
SAEK-040-120 ¹	4 x 12HT	1	0	055	85.34
SAEK-040-160 ¹	4 x 16HT	1	0	055	96.21
SAEK-040-200 ¹	4 x 20HT	1	0	055	118.67
SAEK-040-240 ¹	4 x 24HT	1	0	055	129.95
SAEK-040-360 ¹	4 x 36HT	1	0	055	163.46
SAEK-040-480 ¹	4 x 48HT	1	0	055	188.71
SAEK-060-120 ¹	6 x 12HT	1	0	055	152.89
SAEK-060-160 ¹	6 x 16HT	1	0	055	173.77
SAEK-060-200 ¹	6 x 20HT	1	0	055	197.04
SAEK-060-240 ¹	6 x 24HT	1	0	055	226.07
SAEK-060-360 ¹	6 x 36HT	1	0	055	280.62
SAEK-060-480 ¹	6 x 48HT	1	0	055	348.34

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



PVC Service-Access Extension Kit: includes factory assembled internal extension pipe with T-handle and external riser extension housing assembly with top access adapter. Requires solvent cement assembly to existing valve and uses existing threaded Access Plug and Flap Assembly. 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 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	82.65
S375P-AK	3	1	0	055	82.65
S475P-AK	4	1	0	055	96.68
S675P-AK	6	1	0	055	342.36



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	44.01
S375P-ECK	3	1	0	055	44.01
S475P-ECK	4	1	0	055	57.35
S675P-ECK	6	1	0	055	120.49



NOT FOR USE WITH COMPRESSED AIR OR GAS

Industrial PVC Backwater Valves



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	32.76
S375P-FRK	3	1	10	055	41.31
S475P-FRK	4	1	10	055	48.11
S675P-FRK	6	1	5	055	85.67



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

Valve Size	Riser Pipe Type Options	T-Handle Extension Pipe Type Options
2"	4" Class 125 PVC 4" Sch 40 PVC	3/4" PVC IPS pipe (any Sch 40, Sch 80, Class pipe, etc.)
3"	5" Class 125 PVC 5" Sch 40 PVC 6" D3034 (SDR 35) PVC Sewer Pipe	
4"	8" Class 125 PVC 8" Sch 40 PVC	
6"	10" Class 125 PVC 10" Sch 40 PVC	

Note: Sch 80 PVC pipe may also be used, except for 3" Riser. ABS pipe may also be used. However, special cement for joining ABS to PVC must be used.



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	14.52
S375MA-090	90mm x 3	25	0	055	15.60
S475MA-110	110mm x 4	10	0	055	18.48
S675MA-160	160mm x 6	4	0	055	42.65

Made in the U.S.A.

NOT FOR USE WITH COMPRESSED AIR OR GAS

Thursday, January 13, 2011 7:36:57 AM

Progressive Products from Spears® Innovation and Technology

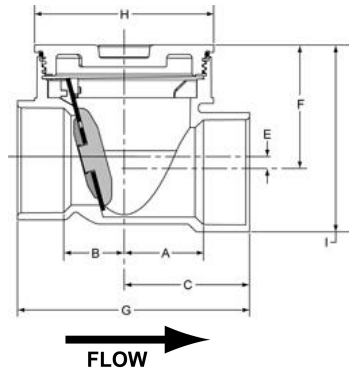
Page 34



Industrial PVC Backwater Valves

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

