



PART 4

Thermoplastic Valves, Strainers & Accessories

Y-Pattern Valves, Strainers, Filters & Gauge Guards



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PRICE SCHEDULE: V-1-0910
Part 4

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HOW TO USE THIS CATALOG

This catalog Price Schedule has been divided into the four (4) parts listed below for convenience of use according to product type. A complete listing of content for all parts 1 through 4 is located on the following pages.

Part 1: Ball Valves

Part 2: Gate, Globe, Butterfly, Needle & Diaphragm Valves

Part 3: Check Valves

Part 4: Y-Pattern Valves, Strainers, Filters & Gauge Guards

Information has been arranged for easy use in selection of desired products according to product type and configuration options with packaging and pricing information. Individual product dimensions, features and technical data can be found in Spears® Thermoplastic Valves & Accessories Product Guide & Engineering Specifications Publication V-4 and Spears® Actuated Thermoplastic Valves Product Guide & Engineering Specifications Publication AV-4 for electric and pneumatic valve actuation package specifications.

ORGANIZATION

Product types are identified in the Page Heading. While variations exist in format, the typical page layout groups product types in columns by Valve Material with subsections by End Connector option, then sorted in rows by Size. For each row according to valve Size, the part number is located under the O-ring Material column (i.e. EPDM, Viton®) with the List Price in bold print immediately below the part number, followed by packaging and discount code information. Additional technical information and options are listed in the margins.

COLUMN HEADER INFORMATION

Each product column header identifies the following particulars for the selected valve material and end connector option. Again, variations exist according to product type and configurations.

Size	The nominal diameter of the pipe with which the valve is to be used.
Seal Type (i.e., EPDM, Viton®)	Designated elastomer seal (O-ring, Seat, Diaphragm, etc.) NOTE: Part Number and List Price are typically specified under the seal type columns. Certain products may have other column header designations under which part number and pricing are specified in a similar manner.
Standard Pack (Std Pk)	The quantity of parts packaged in an individual box or bag.
Master Pack (Mstr Pk)	The total quantity of parts contained in a single packaging of multiple Standard Packs.
Discount Codes	Identification code for applicable discounts to the product's list price. Note: this is a Product Group code and NOT a calculation of discount. Discount codes are not the same for all products contained in this price schedule.

PRODUCT ILLUSTRATIONS

Photographic illustrations are general representations of valves in a group, but may not be an exact depiction of all configurations listed.

EXAMPLE

Typical Presentation
Photo



Socket Style

Pressure Rating
@ 73°F (23°C) Water

1/2" - 4"	235 psi
6" - 8"	150 psi
Flanged	150 psi

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

Temperature/Pressure
De-ratings Apply

Technical Data

Product Type
(Page Heading)

True Union 2000 Industrial Ball Valves

Material	PVC Industrial					
	Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
End Connector	Socket Ends					Part Number
	1/2	1829-005 XX.XX	1829-005 XX.XX	1	18	101
		Price				

CONFIGURATION DESCRIPTIONS

Definitions of abbreviated configuration descriptions follow.

Fipt	Female Iron Pipe Thread
IPS	Iron Pipe Size
Mipt	Male Iron Pipe Thread
Soc	Solvent Weld Socket (IPS)
Spig	Spigot End (IPS)
SR	Special Reinforced Plastic Female Thread
SS	Stainless Steel

DISCOUNT CODES

004	Miscellaneous Specialty Valves PVC CPVC	264	CPVC Tee Valves
026	PVC Utility Swing & Spring Check Valves thru 8"	270	Diaphragm Valves PVC thru 2"
055	PVC Backwater Valves	271	Diaphragm Valves PVC 2-1/2" & Larger
102	PVC Gray Y-Strainers	272	Diaphragm Valves CPVC thru 2"
103	PVC Clear Y-Strainers	273	Diaphragm Valves CPVC 2-1/2" & Larger
104	CPVC Gray Y-Strainers	280	Diaphragm Valves PP thru 2"
108	PVC Swing Check Valves 3/4" - 2"	281	Diaphragm Valves PP 2-1/2" & Larger
109	CPVC Swing Check Valves 3/4" - 2"	289	Butterfly Check Valves PVC thru 12"
110	PVC Swing Check Valves 2-1/2" & Larger	290	Butterfly Check Valves CPVC thru 12"
111	CPVC Swing Check Valves 2-1/2" & Larger	295	T-Filter & Basket Strainer PVC 3" thru 12"
112	PP Swing Check Valves 2-1/2" & Larger	296	T-Filters CPVC
113	PP Swing Check Valves 3/4" - 2"	297	T-Filter & Basket Strainer CPVC 3" thru 12"
200	Gate Valves PVC thru 2"	299	Valve Accessories, Repair Kits, Components
201	Gate Valves PVC 2-1/2" & Larger	558	PVC True Union 2000 Industrial Ball Check Valves 6"
202	Gate Valves CPVC thru 2"	559	CPVC True Union 2000 Industrial Ball Check Valves 6"
203	Gate Valves CPVC 2-1/2" & Larger	600	PVC True Union 2000 Industrial Ball Valves 1/2" thru 2"
210	Compact Ball Valves PVC thru 2"	601	PVC True Union 2000 Industrial Ball Valves 2-1/2" thru 4"
211	Compact Ball Valves PVC 3", 4" & 6"	602	CPVC True Union 2000 Industrial Ball Valves 1/2" thru 2"
212	Compact Ball Valves CPVC thru 2"	603	CPVC True Union 2000 Industrial Ball Valves 2-1/2" thru 4"
213	Compact Ball Valves CPVC 3", 4" & 6"	604	PVC True Union 2000 Industrial Ball Check Valves 1/2" thru 2"
214	Utility Ball Valves PVC 3", 4" & 6"	605	PVC True Union 2000 Industrial Ball Check Valves 2-1/2" thru 4"
215	Utility Ball Valves PVC thru 2"	606	CPVC True Union 2000 Industrial Ball Check Valves 1/2" thru 2"
216	Utility Ball Valves CPVC thru 2"	607	CPVC True Union 2000 Industrial Ball Check Valves 2-1/2" thru 4"
218	Lab & Needle Valves PVC	608	PVC True Union 2000 Standard Ball Valves 1/2" thru 2"
219	Lab & Needle Valves CPVC & PP	609	PVC True Union 2000 Standard Ball Valves 2-1/2" thru 4"
220	PVC True Union Ball Check Valve thru 4"	610	CPVC True Union 2000 Standard Ball Valves 1/2" thru 2"
221	PVC True Union Ball Check Valve 6" & Larger	611	CPVC True Union 2000 Standard Ball Valves 2-1/2" thru 4"
222	CPVC True Union Ball Check Valves thru 4"	612	PVC True Union 2000 Industrial Ball Valves 6"
223	CPVC True Union Ball Check Valves 6" & Larger	613	CPVC True Union 2000 Industrial Ball Valves 6"
230	PVC True Union Ball Valve thru 4"	615	PVC Horizontal & Vertical 3-Way Ball Valves
231	PVC True Union Ball Valve 6" & Larger	617	CPVC Horizontal & Vertical 3-Way Ball Valves
232	CPVC True Union Ball Valve thru 4"	620	PVC Standard Globe & Y-Pattern Valves 1/2" thru 4"
233	CPVC True Union Ball Valve 6" & Larger	621	PVC Clear Globe & Y-Pattern Valves 1/2" thru 4"
240	Single Entry Ball Valves PVC thru 4"	622	CPVC Standard Globe & Y-Pattern Valves 1/2" thru 4"
250	Butterfly Valves PVC thru 12"	624	Gauge Guard - PVC
251	PVC Butterfly Valves 14" & Larger	625	Gauge Guard - CPVC
252	CPVC Butterfly Valves thru 12"	626	Gauge Guard - Glass Reinforced PP
253	CPVC Butterfly Valves 14" & Larger	627	PVC Y-Check Valves 1/2" thru 4"
254	Butterfly Valves High Purity TFM Lined thru 6"	628	PVC Clear Y-Check Valves 1/2" thru 4"
256	Butterfly Valves PP thru 12"	629	CPVC Y-Check Valves 1/2" thru 4"
257	Butterfly Valves PP 14" & Larger	901	Miscellaneous Components
260	Pool Butterfly Valve, Manual 1-1/2" thru 8"		
261	Pool Butterfly Valve, Gear Operator 1-1/2" thru 12"		
263	PVC Tee Valves		

CONTENT

Part 1: Ball Valves

Catalog Information, How To Use This Catalog, Organization, Column Header Information, Product Illustrations.....	I
Configuration Descriptions, Discount Codes	II
Content	III
PVC True Union 2000 Industrial Ball Valves	1
PVC 6" Industrial T-Handle Valve Option (Non-Locking)	2
CPVC True Union 2000 Industrial Ball Valves	3
CPVC 6" Industrial T-Handle Valve Option (Non-Locking)	4
PVC True Union 2000 Industrial Vented/Bleach Ball Valves	5
CPVC True Union 2000 Industrial Vented/Bleach Ball Valves.....	6
True Union 2000 Industrial 3-Way Ball Valves.....	7
PVC & CPVC True Union 2000 Industrial 3-Way Horizontal Diverter Ball Valves	8
PVC Vertical 3-Way Ball Valves.....	9
CPVC Vertical 3-Way Ball Valves	10
PVC Mainline Tee-Style "Zero Dead-Leg" Ball Valves.....	12
CPVC Mainline Tee-Style "Zero Dead-Leg" Ball Valves	13
PVC & CPVC Metric Tee-Style "Zero Dead-Leg" Ball Valves	13
PVC True Union 2000 Standard Ball Valves	14
CPVC True Union 2000 Standard Ball Valves	15
PVC & CPVC True Union 2000 Industrial Retrofit Ball Valves - Replaces Other Brand Valves	16
PVC & CPVC True Union 2000 Industrial Retrofit Ball Valves - Replaces Spears® "Regular Style" Valves	17
PVC & CPVC True Union 2000 Standard Retrofit Ball Valves - Replaces Other Brand Valves	18
PVC & CPVC True Union 2000 Standard Retrofit Ball Valves - Replaces Spears® "Regular Style" Valves	19
PVC True Union Ball Valves (Regular Style)	20
CPVC True Union Ball Valves (Regular Style)	21
PVC & CPVC Compact 2000 Ball Valves.....	22
PVC Compact Ball Valves (Regular Style)	23
CPVC Compact Ball Valves (Regular Style).....	24
PVC White Single Entry Ball Valves	25
PVC Gray Single Entry Ball Valves	26
PVC White, PVC Gray & CPVC Utility Ball Valves.....	27
PVC & CPVC Lab Ball Valves	28
PVC & CPVC True Union Retrofit Kits - Other Brand Valves	29
PVC & CPVC True Union Retrofit Kits - Older "Regular Style" Spears® Valves	30
PVC & CPVC Supplemental End Connector Sets Threaded Ends	31
PVC & CPVC Supplemental End Connector Sets Socket Ends & Spigot Ends.....	32
Ball Valve Accessories & Repair Kits.....	33

Part 2: Gate, Globe, Butterfly, Needle & Diaphragm Valves

Catalog Information, How To Use This Catalog, Organization, Column Header Information, Product Illustrations.....	I
Configuration Descriptions, Discount Codes	II
Content	III
PVC Gate Valves.....	1
CPVC Gate Valves	2
PVC Plug Gate Valves.....	3
CPVC Plug Gate Valves	4
Gate Valve Accessories & Repair Kits.....	5
PVC & CPVC Globe Valves, PVC & CPVC Internal Repair Kits	6
High Purity TFM-Lined Butterfly Valves TFM-Lined Viton® O-ring Seal	7
PVC Butterfly Valves	8
CPVC Butterfly Valves.....	9
PVC Lug Butterfly Valves - Zinc Plated Lug Inserts	10
CPVC Lug Butterfly Valves - Zinc Plated Lug Inserts.....	11
PVC Lug Butterfly Valves - Stainless Steel Lug Inserts.....	12
CPVC Lug Butterfly Valves - Stainless Steel Lug Inserts	13
PVC True Lug Butterfly Valves - Zinc Plated Lugs	14
CPVC True Lug Butterfly Valves - Zinc Plated Lugs.....	15
PVC True Lug Butterfly Valves - Stainless Steel Lugs	16
CPVC True Lug Butterfly Valves - Stainless Steel Lugs.....	17
Polypropylene Butterfly Valves	18
Large Diameter Polypropylene Butterfly Valves	19
PVC Pool Butterfly Valves	20
PVC Wafer Butterfly Valves	21
CPVC Wafer Butterfly Valves	22
Butterfly Valve Accessories & Repair Kits	23
PVC, CPVC & PP Globe and Angle Pattern Needle Valves.....	35
Diaphragm Valves	36
PVC Diaphragm Valves	37
CPVC Diaphragm Valves	38
PP Diaphragm Valves.....	39
Tee-Style "Zero Dead-Leg" Diaphragm Valves.....	41
Diaphragm Valve Repair Kits.....	42

Part 3: Check Valves

Catalog Information, How To Use This Catalog, Organization, Column Header Information, Product Illustrations.....	I
Configuration Descriptions, Discount Codes.....	II
Content.....	III
PVC True Union 2000 Industrial Ball Check Valves.....	1
CPVC True Union 2000 Industrial Ball Check Valves.....	2
Foot Valve Screens.....	4
PVC True Union Ball Check Valves (Regular Style).....	5
CPVC True Union Ball Check Valves (Regular Style).....	6
PVC, CPVC & PP Industrial Swing Check Valves.....	7
PVC, CPVC & PP Swing Check Valves With Arrow Indicator, PVC, CPVC & PP Swing Check Valves With Counter Balance.....	8
Industrial Swing Check Valve Repair Kits.....	10
PVC White & PVC Clear Utility Swing Check Valves.....	11
PVC White & PVC Clear Compression Utility Swing Check Valves, Compression Coupling Nut Wrenches & Nut Wrench Sets.....	12
PVC White & PVC Clear True Union Utility Swing Check Valves.....	13
PVC White & PVC Clear Utility Spring Check Valves.....	14
PVC White & PVC Clear True Union Utility Spring Check Valves.....	15
PVC In-line Adjustable Spring Check Valves.....	16
PVC & CPVC Diaphragm Check Valves.....	17
PVC Y-Check Valves.....	18
PVC Clear & CPVC Y-Check Valves.....	19
PVC & PVC Clear Y-Check Valves True Union Ends.....	20
CPVC Y-Check Valves True Union Ends.....	21
Y-Check Valve Repair Kits.....	22
PVC Butterfly Check Valves.....	23
CPVC Butterfly Check Valves.....	24
PVC & CPVC Butterfly Check Valve Repair Kits.....	26
PVC Backwater Valves.....	27

Part 4: Y-Pattern Valves, Strainers, Filters & Gauge Guards

Catalog Information, How To Use This Catalog, Organization, Column Header Information, Product Illustrations.....	I
Configuration Descriptions, Discount Codes.....	II
Content.....	III
PVC Y-Pattern Valves.....	1
PVC Clear & CPVC Y-Pattern Valves.....	2
PVC & PVC Clear Y-Pattern True Union Ends.....	3
CPVC Y-Pattern True Union Ends.....	4
PVC & CPVC Y-Pattern Valve Repair Kits.....	5
Y-Check Valves See V-1 Part 3 - Check Valves.....	6
Y-Strainers.....	7
PVC Y-Strainers.....	8
PVC Clear Y-Strainers.....	9
CPVC Y-Strainers.....	10
PVC Gray True Union Y-Strainers.....	11
PVC Clear True Union Y-Strainers.....	12
CPVC True Union Y-Strainers.....	13
Basket Strainers.....	14
PVC Basket Strainers.....	15
CPVC Basket Strainers.....	16
PVC Suction Strainers.....	18
In-line Tee-Style Filters.....	19
PVC Gray Reverse Tee Filter Stainless Steel Screen, CPVC Tee Filter Stainless Steel Screen.....	20
CPVC Reverse Tee Filter Stainless Steel Screen, Filter Replacement Screens for TF Filters, Filter Replacement Screens for MTF Filters, Reverse Flow Filter Replacement Screens for TFR Filters, Reverse Flow Filter Replacement Screens for MTFR Filters.....	21
PVC Gauge Guards.....	22
CPVC & PP Gauge Guards.....	23

Supplemental Information

Limited Lifetime Warranty.....	24
Recommendations For Installers And Users.....	25
Electro Series Actuated Ball Valves, Custom Actuated Valve Packages, Standards & Specifications, Spears® Quality Policy.....	26



Y-Pattern Valves

PVC - Socket Ends

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
1/2	1722-005 79.57	1732-005 84.18	1	12	620
3/4	1722-007 93.36	1732-007 99.48	1	8	620
1	1722-010 111.71	1732-010 119.36	1	8	620
1-1/4	1722-012 136.21	1732-012 149.99	1	4	620
1-1/2	1722-015 182.12	1732-015 192.83	1	0	620
2	1722-020 258.64	1732-020 275.49	2	0	620
3	1722-030 557.07	1732-030 606.05	1	0	620
4	1722-040 945.80	1732-040 1029.99	1	0	620



Socket Style

PVC - SR Threaded Ends

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
1/2	1721-005SR 82.64	1731-005SR 87.24	1	8	620
3/4	1721-007SR 97.94	1731-007SR 104.07	1	8	620
1	1721-010SR 117.85	1731-010SR 125.50	1	8	620
1-1/4	1721-012SR 160.68	1731-012SR 169.87	1	0	620
1-1/2	1721-015SR 197.41	1731-015SR 206.61	1	0	620
2	1721-020SR 278.54	1731-020SR 292.32	1	0	620
3	1721-030SR 598.39	1731-030SR 647.37	1	0	620
4	1721-040SR 988.66	1731-040SR 1072.82	1	0	620



True Union Style

PVC - Flanged Ends

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
1/2	1723-005 111.71	1733-005 116.31	1	8	620
3/4	1723-007 128.55	1733-007 134.68	1	4	620
1	1723-010 151.50	1733-010 157.63	1	4	620
1-1/4	1723-012 177.52	1733-012 189.77	1	0	620
1-1/2	1723-015 223.44	1733-015 234.17	1	0	620
2	1723-020 313.72	1733-020 329.04	1	0	620
3	1723-030 612.18	1733-030 661.15	1	0	620
4	1723-040 1215.14	1733-040 1288.62	1	0	620

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

NOT FOR USE WITH COMPRESSED AIR OR GAS

Spears® Manufacturing Company

Progressive Products from Spears® Innovation and Technology

Y-Pattern Valves



PVC Clear - Socket Ends

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
1/2	1722-005CL 79.57	1732-005CL 84.18	1	12	621
3/4	1722-007CL 93.36	1732-007CL 99.48	1	8	621
1	1722-010CL 111.71	1732-010CL 119.36	1	8	621
1-1/4	1722-012CL 136.21	1732-012CL 149.99	1	4	621
1-1/2	1722-015CL 182.12	1732-015CL 192.83	1	0	621
2	1722-020CL 258.64	1732-020CL 275.49	2	0	621
3	1722-030CL 557.07	1732-030CL 606.05	1	0	621
4	1722-040CL 945.80	1732-040CL 1029.99	1	0	621

PVC Clear - SR Threaded Ends

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
1/2	1721-005CLSR 82.64	1731-005CLSR 87.24	1	8	621
3/4	1721-007CLSR 97.94	1731-007CLSR 104.07	1	8	621
1	1721-010CLSR 117.85	1731-010CLSR 125.50	1	8	621
1-1/4	1721-012CLSR 160.68	1731-012CLSR 169.87	1	0	621
1-1/2	1721-015CLSR 197.41	1731-015CLSR 206.61	1	0	621
2	1721-020CLSR 278.54	1731-020CLSR 292.32	1	0	621
3	1721-030CLSR 598.39	1731-030CLSR 647.37	1	0	621
4	1721-040CLSR 988.66	1731-040CLSR 1072.82	1	0	621

PVC Clear - Flanged Ends

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
1/2	1723-005CL 111.71	1733-005CL 116.31	1	8	621
3/4	1723-007CL 128.55	1733-007CL 134.68	1	8	621
1	1723-010CL 151.50	1733-010CL 157.63	1	4	621
1-1/4	1723-012CL 177.52	1733-012CL 189.77	1	0	621

PVC Clear - Flanged Ends (continued)

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
1-1/2	1723-015CL 223.44	1733-015CL 234.17	1	0	621
2	1723-020CL 313.72	1733-020CL 329.04	1	0	621
3	1723-030CL 612.18	1733-030CL 661.15	1	0	621
4	1723-040CL 1215.14	1733-040CL 1288.62	1	0	621

CPVC - Socket Ends

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
1/2	1722-005C 111.71	1732-005C 117.85	1	12	622
3/4	1722-007C 131.62	1732-007C 140.80	1	8	622
1	1722-010C 157.63	1732-010C 168.36	1	8	622
1-1/4	1722-012C 194.36	1732-012C 206.61	1	4	622
1-1/2	1722-015C 257.12	1732-015C 272.40	1	0	622
2	1722-020C 364.23	1732-020C 388.72	2	0	622
3	1722-030C 780.52	1732-030C 847.86	1	0	622
4	1722-040C 1323.81	1732-040C 1441.65	1	0	622

CPVC - SR Threaded Ends

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
1/2	1721-005CSR 114.78	1731-005CSR 122.45	1	8	622
3/4	1721-007CSR 136.21	1731-007CSR 145.39	1	8	622
1	1721-010CSR 165.28	1731-010CSR 168.36	1	8	622
1-1/4	1721-012CSR 202.02	1731-012CSR 217.33	1	0	622
1-1/2	1721-015CSR 277.00	1731-015CSR 292.32	1	0	622
2	1721-020CSR 387.19	1731-020CSR 408.64	1	0	622
3	1721-030CSR 837.14	1731-030CSR 906.00	1	0	622
4	1721-040CSR 1319.22	1731-040CSR 1501.36	1	0	622

NOT FOR USE WITH COMPRESSED AIR OR GAS



Y-Pattern Valves

CPVC - Flanged Ends

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
1/2	1723-005C 183.65	1733-005C 189.77	1	8	622
3/4	1723-007C 209.67	1733-007C 218.84	1	8	622
1	1723-010C 254.04	1733-010C 264.76	1	4	622
1-1/4	1723-012C 304.55	1733-012C 315.28	1	0	622
1-1/2	1723-015C 411.69	1733-015C 426.99	1	0	622
2	1723-020C 524.94	1733-020C 549.43	1	0	622
3	1723-030C 1010.09	1733-030C 1078.95	1	0	622
4	1723-040C 1639.07	1733-040C 1743.16	1	0	622

PVC - True Union SR Threaded Ends

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
1/2	172B-005SR 97.94	173B-005SR 102.53	1	8	620
3/4	172B-007SR 114.78	173B-007SR 122.45	1	8	620
1	172B-010SR 139.27	173B-010SR 146.93	1	4	620
1-1/4	172B-012SR 189.77	173B-012SR 200.48	1	0	620
1-1/2	172B-015SR 232.62	173B-015SR 243.34	1	0	620
2	172B-020SR 327.51	173B-020SR 344.35	1	0	620
3	172B-030SR 703.98	173B-030SR 762.14	1	0	620
4	172B-040SR 1163.12	173B-040SR 1262.61	1	0	620

PVC - True Union Socket Ends

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
1/2	172A-005 94.88	173A-005 99.48	1	8	620
3/4	172A-007 110.18	173A-007 116.31	1	8	620
1	172A-010 131.62	173A-010 140.80	1	4	620
1-1/4	172A-012 160.68	173A-012 176.01	2	0	620
1-1/2	172A-015 214.26	173A-015 226.50	2	0	620
2	172A-020 303.03	173A-020 324.46	1	0	620
3	172A-030 655.02	173A-030 711.66	1	0	620
4	172A-040 1112.62	173A-040 1210.59	1	0	620

PVC Clear - True Union Socket Ends

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
1/2	172A-005CL 94.88	173A-005CL 99.48	1	8	621
3/4	172A-007CL 110.18	173A-007CL 116.31	1	8	621
1	172A-010CL 131.62	173A-010CL 140.80	1	4	621
1-1/4	172A-012CL 160.68	173A-012CL 176.01	2	0	621
1-1/2	172A-015CL 214.26	173A-015CL 226.50	2	0	621
2	172A-020CL 303.03	173A-020CL 324.46	1	0	621
3	172A-030CL 655.02	173A-030CL 711.66	1	0	621
4	172A-040CL 1112.62	173A-040CL 1210.59	1	0	621

PVC - True Union Threaded Ends

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
1/2	172B-005 94.88	173B-005 99.48	1	8	620
3/4	172B-007 110.18	173B-007 116.31	1	8	620
1	172B-010 131.62	173B-010 140.80	1	4	620
1-1/4	172B-012 160.68	173B-012 176.01	2	0	620
1-1/2	172B-015 214.26	173B-015 226.50	1	0	620
2	172B-020 303.03	173B-020 324.46	1	0	620
3	172B-030 655.02	173B-030 711.66	1	0	620
4	172B-040 1112.62	173B-040 1210.59	1	0	620

PVC Clear - True Union Threaded Ends

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
1/2	172B-005CL 94.88	173B-005CL 99.48	1	8	621
3/4	172B-007CL 110.18	173B-007CL 116.31	1	8	621
1	172B-010CL 131.62	173B-010CL 140.80	1	4	621
1-1/4	172B-012CL 160.68	173B-012CL 176.01	2	0	621
1-1/2	172B-015CL 214.26	173B-015CL 226.50	1	0	621
2	172B-020CL 303.03	173B-020CL 324.46	1	0	621
3	172B-030CL 655.02	173B-030CL 711.66	1	0	621
4	172B-040CL 1112.62	173B-040CL 1210.59	1	0	621

NOT FOR USE WITH COMPRESSED AIR OR GAS

Y-Pattern Valves



PVC Clear - True Union SR Threaded Ends

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
1/2	172B-005CLSR 97.94	173B-005CLSR 102.53	1	8	621
3/4	172B-007CLSR 114.78	173B-007CLSR 122.45	1	8	621
1	172B-010CLSR 139.27	173B-010CLSR 146.93	1	4	621
1-1/4	172B-012CLSR 189.77	173B-012CLSR 200.48	2	0	621
1-1/2	172B-015CLSR 232.62	173B-015CLSR 243.34	1	0	621
2	172B-020CLSR 327.51	173B-020CLSR 344.35	1	0	621
3	172B-030CLSR 703.98	173B-030CLSR 762.14	1	0	621
4	172B-040CLSR 1163.12	173B-040CLSR 1262.61	1	0	621

CPVC - True Union SR Threaded Ends

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
1/2	172B-005CSR 134.68	173B-005CSR 143.86	1	8	622
3/4	172B-007CSR 160.68	173B-007CSR 171.41	1	8	622
1	172B-010CSR 194.36	173B-010CSR 197.41	1	4	622
1-1/4	172B-012CSR 237.22	173B-012CSR 255.57	1	0	622
1-1/2	172B-015CSR 325.97	173B-015CSR 344.35	1	0	622
2	172B-020CSR 456.06	173B-020CSR 480.54	1	0	622
3	172B-030CSR 984.06	173B-030CSR 1065.19	1	0	622
4	172B-040CSR 1551.85	173B-040CSR 1766.11	1	0	622

CPVC - True Union Socket Ends

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
1/2	172A-005C 131.62	173A-005C 139.27	1	8	622
3/4	172A-007C 154.57	173A-007C 165.28	1	8	622
1	172A-010C 185.18	173A-010C 197.41	1	4	622
1-1/4	172A-012C 228.03	173A-012C 243.34	2	0	622
1-1/2	172A-015C 303.03	173A-015C 319.86	2	0	622
2	172A-020C 428.52	173A-020C 457.60	1	0	622
3	172A-030C 918.27	173A-030C 997.85	1	0	622
4	172A-040C 1556.45	173A-040C 1695.72	1	0	622

CPVC - True Union Threaded Ends

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
1/2	172B-005C 131.62	173B-005C 139.27	1	8	622
3/4	172B-007C 154.57	173B-007C 165.28	1	8	622
1	172B-010C 185.18	173B-010C 197.41	1	4	622
1-1/4	172B-012C 228.03	173B-012C 243.34	2	0	622
1-1/2	172B-015C 303.03	173B-015C 319.86	2	0	622
2	172B-020C 428.52	173B-020C 457.60	1	0	622
3	172B-030C 918.27	173B-030C 997.85	1	0	622
4	172B-040C 1556.45	173B-040C 1695.72	1	0	622

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Page 4



Y-Pattern Valve Repair Kits

Internal Repair Kit includes 1-Stem O-ring, 1-Seal Carrier O-ring, along with a factory assembled (required) internal component replacement unit consisting of Stem assembled with Seat & Seal Carrier components. Install in valve using existing valve Bonnet, Bonnet Nut, and Handle/Nut. True Union style valve kits include an additional 2-End Connector O-rings.

PVC Y-Pattern Valve Internal Repair Kits

Size	Standard EPDM	Standard Viton®	True Union EPDM	True Union Viton®	Std Pk	Mstr Pk	Disc Code
1/2	YV-ERK-005 24.70	YV-VRK-005 26.22	YV-UERK-005 26.00	YV-UVRK-005 27.60	1	10	299
3/4	YV-ERK-007 33.31	YV-VRK-007 35.64	YV-UERK-007 35.06	YV-UVRK-007 37.51	1	10	299
1	YV-ERK-010 43.69	YV-VRK-010 45.93	YV-UERK-010 45.98	YV-UVRK-010 48.33	1	10	299
1-1/4	YV-ERK-012 66.45	YV-VRK-012 71.27	YV-UERK-012 69.94	YV-UVRK-012 75.02	1	10	299
1-1/2	YV-ERK-015 125.93	YV-VRK-015 132.72	YV-UERK-015 140.47	YV-UVRK-015 140.48	1	10	299
2	YV-ERK-020 153.95	YV-VRK-020 161.71	YV-UERK-020 162.04	YV-UVRK-020 170.21	1	4	299
3	YV-ERK-030 215.41	YV-VRK-030 226.88	YV-UERK-030 226.77	YV-UVRK-030 238.82	1	10	299
4	YV-ERK-040 368.76	YV-VRK-040 389.31	YV-UERK-040 388.15	YV-UVRK-040 409.79	1	10	299

CPVC Y-Pattern Valve Internal Repair Kits

Size	Standard EPDM	Standard Viton®	True Union EPDM	True Union Viton®	Std Pk	Mstr Pk	Disc Code
1/2	YV-ERK-005C 31.61	YV-VRK-005C 33.56	YV-UERK-005C 33.28	YV-UVRK-005C 35.32	1	10	299
3/4	YV-ERK-007C 42.65	YV-VRK-007C 45.61	YV-UERK-007C 44.88	YV-UVRK-007C 48.02	1	10	299
1	YV-ERK-010C 55.93	YV-VRK-010C 58.77	YV-UERK-010C 58.87	YV-UVRK-010C 61.84	1	10	299
1-1/4	YV-ERK-012C 85.07	YV-VRK-012C 91.23	YV-UERK-012C 87.97	YV-UVRK-012C 96.05	1	10	299
1-1/2	YV-ERK-015C 161.19	YV-VRK-015C 169.84	YV-UERK-015C 169.68	YV-UVRK-015C 178.80	1	10	299
2	YV-ERK-020C 197.06	YV-VRK-020C 206.98	YV-UERK-020C 207.44	YV-UVRK-020C 217.87	1	4	299
3	YV-ERK-030C 275.72	YV-VRK-030C 290.40	YV-UERK-030C 290.26	YV-UVRK-030C 305.67	1	10	299
4	YV-ERK-040C 472.02	YV-VRK-040C 498.31	YV-UERK-040C 496.86	YV-UVRK-040C 524.54	1	10	299

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Y-Check Valves



PVC Clear — Socket Style



True Union Style

**For information on Y-Check Valves
and Y-Check Valve Repair Kits, see
Part 3 — Thermoplastic Valves,
Strainers & Accessories — Check Valves**



Y-Strainers



Socket



Flanged



SR Thread



True Union

Part numbers shown reflect a mesh size of 8. For different mesh sizes, substitute Mesh Code in part number as specified in chart below.

U.S. Standard Mesh Sieve No.	Sieve Opening Size (in.)	Part Number Mesh Code
8	0.094	8
12	0.062	12
20	0.033	20
30	0.024	30

Example: for 12 Mesh, specify

YS22P12-005

Additional Mesh Sizes available on request.

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

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Y-Strainers



PVC - Socket Ends

Size	EPDM Seals PVC Screen	EPDM Seals SS Screen	Viton® Seals PVC Screen	Viton® Seals SS Screen	Std Pk	Mstr Pk	Disc Code
1/2	YS22P8-005 82.69	YS22S8-005 163.63	YS32P8-005 90.31	YS32S8-005 179.79	1	18	102
3/4	YS22P8-007 92.39	YS22S8-007 187.12	YS32P8-007 101.81	YS32S8-007 211.04	1	18	102
1	YS22P8-010 101.59	YS22S8-010 221.97	YS32P8-010 111.85	YS32S8-010 244.04	1	12	102
1-1/4	YS22P8-012 172.03	YS22S8-012 320.26	YS32P8-012 191.16	YS32S8-012 353.10	1	8	102
1-1/2	YS22P8-015 182.02	YS22S8-015 341.39	YS32P8-015 202.27	YS32S8-015 374.87	1	8	102
2	YS22P8-020 213.82	YS22S8-020 385.61	YS32P8-020 237.55	YS32S8-020 428.44	1	4	102
3	YS22P8-030 492.79	YS22S8-030 665.73	YS32P8-030 529.53	YS32S8-030 702.47	1	0	102
4	YS22P8-040 861.63	YS22S8-040 1078.95	YS32P8-040 927.45	YS32S8-040 1144.74	1	0	102

PVC - SR Threaded Ends

Size	EPDM Seals PVC Screen	EPDM Seals SS Screen	Viton® Seals PVC Screen	Viton® Seals SS Screen	Std Pk	Mstr Pk	Disc Code
1/2	YS21P8-005SR 87.14	YS21S8-005SR 168.09	YS31P8-005SR 94.73	YS31S8-005SR 184.23	1	18	102
3/4	YS21P8-007SR 98.80	YS21S8-007SR 193.52	YS31P8-007SR 108.20	YS31S8-007SR 217.49	1	12	102
1	YS21P8-010SR 111.10	YS21S8-010SR 231.51	YS31P8-010SR 121.37	YS31S8-010SR 253.59	1	8	102
1-1/4	YS21P8-012SR 187.55	YS21S8-012SR 335.78	YS31P8-012SR 206.69	YS31S8-012SR 368.61	1	8	102
1-1/2	YS21P8-015SR 201.09	YS21S8-015SR 360.47	YS31P8-015SR 221.29	YS31S8-015SR 394.05	1	4	102
2	YS21P8-020SR 246.99	YS21S8-020SR 418.78	YS31P8-020SR 270.74	YS31S8-020SR 461.63	1	0	102
3	YS21P8-030SR 534.28	YS21S8-030SR 707.06	YS31P8-030SR 570.86	YS31S8-030SR 1056.17	1	0	102
4	YS21P8-040SR 904.48	YS21S12-040SR 1121.80	YS31P8-040SR 970.28	YS31S8-040SR 1187.62	1	0	102

PVC - Flanged Ends

Size	EPDM Seals PVC Screen	EPDM Seals SS Screen	Viton® Seals PVC Screen	Viton® Seals SS Screen	Std Pk	Mstr Pk	Disc Code
1/2	YS23P8-005 135.16	YS23S8-005 228.61	YS33P8-005 150.03	YS33S8-005 298.77	1	8	102
3/4	YS23P8-007 143.59	YS23S8-007 261.04	YS33P8-007 155.71	YS33S8-007 342.41	1	8	102
1	YS23P8-010 153.32	YS23S8-010 288.54	YS33P8-010 167.02	YS33S8-010 400.97	1	8	102
1-1/4	YS23P8-012 245.78	YS23S8-012 422.85	YS33P8-012 267.96	YS33S8-012 574.54	1	4	102
1-1/2	YS23P8-015 273.89	YS23S8-015 457.01	YS33P8-015 304.12	YS33S8-015 616.53	1	4	102
2	YS23P8-020 344.35	YS23S8-020 544.33	YS33P8-020 377.84	YS33S8-020 700.41	1	0	102
3	YS23P8-030 760.63	YS23S8-030 933.55	YS33P8-030 817.23	YS33S8-030 990.64	1	0	102
4	YS23P8-040 1225.87	YS23S8-040 1443.20	YS33P8-040 1317.70	YS33S8-040 1535.00	1	0	102

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Page 8



Y-Strainers

PVC Clear - Socket Ends

Size	EPDM Seals PVC Screen	EPDM Seals SS Screen	Viton® Seals PVC Screen	Viton® Seals SS Screen	Std Pk	Mstr Pk	Disc Code
1/2	YS22P8-005CL 82.69	YS22S8-005CL 163.63	YS32P8-005CL 90.31	YS32S8-005CL 179.79	1	18	103
3/4	YS22P8-007CL 92.39	YS22S8-007CL 187.12	YS32P8-007CL 101.81	YS32S8-007CL 211.04	1	18	103
1	YS22P8-010CL 101.59	YS22S8-010CL 221.97	YS32P8-010CL 111.85	YS32S8-010CL 244.04	1	12	103
1-1/4	YS22P8-012CL 172.03	YS22S8-012CL 320.26	YS32P8-012CL 191.16	YS32S8-012CL 353.10	1	8	103
1-1/2	YS22P8-015CL 182.02	YS22S8-015CL 341.39	YS32P8-015CL 202.27	YS32S8-015CL 374.87	1	8	103
2	YS22P8-020CL 213.82	YS22S8-020CL 385.61	YS32P8-020CL 237.55	YS32S8-020CL 428.44	1	4	103
3	YS22P8-030CL 492.79	YS22S8-030CL 665.73	YS32P8-030CL 529.53	YS32S8-030CL 702.47	1	0	103
4	YS22P8-040CL 861.63	YS22S8-040CL 1078.95	YS32P8-040CL 927.45	YS32S8-040CL 1144.74	1	0	103

PVC Clear - SR Threaded Ends

Size	EPDM Seals PVC Screen	EPDM Seals SS Screen	Viton® Seals PVC Screen	Viton® Seals SS Screen	Std Pk	Mstr Pk	Disc Code
1/2	YS21P8-005CLSR 87.14	YS21S8-005CLSR 168.09	YS31P8-005CLSR 94.73	YS31S8-005CLSR 184.23	1	18	103
3/4	YS21P8-007CLSR 98.80	YS21S8-007CLSR 193.52	YS31P8-007CLSR 108.20	YS31S8-007CLSR 217.49	1	12	103
1	YS21P8-010CLSR 111.10	YS21S8-010CLSR 231.51	YS31P8-010CLSR 121.37	YS31S8-010CLSR 253.59	1	8	103
1-1/4	YS21P8-012CLSR 187.55	YS21S8-012CLSR 335.78	YS31P8-012CLSR 206.69	YS31S8-012CLSR 368.61	1	8	103
1-1/2	YS21P8-015CLSR 201.09	YS21S8-015CLSR 360.47	YS31P8-015CLSR 221.29	YS31S8-015CLSR 394.05	1	4	103
2	YS21P8-020CLSR 246.99	YS21S8-020CLSR 418.78	YS31P8-020CLSR 270.74	YS31S8-020CLSR 461.63	1	0	103
3	YS21P8-030CLSR 534.28	YS21S8-030CLSR 707.06	YS31P8-030CLSR 570.86	YS31S8-030CLSR 743.78	1	0	103
4	YS21P8-040CLSR 904.48	YS21S8-040CLSR 1121.80	YS31P8-040CLSR 970.28	YS31S8-040CLSR 1187.62	1	0	103

PVC Clear - Flanged Ends

Size	EPDM Seals PVC Screen	EPDM Seals SS Screen	Viton® Seals PVC Screen	Viton® Seals SS Screen	Std Pk	Mstr Pk	Disc Code
1/2	YS23P8-005CL 135.16	YS23S8-005CL 228.61	YS33P8-005CL 150.03	YS33S8-005CL 298.77	1	8	103
3/4	YS23P8-007CL 143.59	YS23S8-007CL 261.04	YS33P8-007CL 155.71	YS33S8-007CL 342.41	1	8	103
1	YS23P8-010CL 153.32	YS23S8-010CL 288.54	YS33P8-010CL 167.02	YS33S8-010CL 400.97	1	8	103
1-1/4	YS23P8-012CL 245.78	YS23S8-012CL 422.85	YS33P8-012CL 267.96	YS33S8-012CL 574.54	1	4	103
1-1/2	YS23P8-015CL 273.89	YS23S8-015CL 457.01	YS33P8-015CL 304.12	YS33S8-015CL 616.53	1	4	103
2	YS23P8-020CL 344.35	YS23S8-020CL 544.33	YS33P8-020CL 377.84	YS33S8-020CL 700.41	1	0	103
3	YS23P8-030CL 760.63	YS23S8-030CL 933.55	YS33P8-030CL 817.23	YS33S8-030CL 990.64	1	0	103
4	YS23P8-040CL 1225.87	YS23S8-040CL 1443.20	YS33P8-040CL 1317.70	YS33S8-040CL 1535.00	1	0	103

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Y-Strainers



CPVC - Socket Ends

Size	EPDM Seals CPVC Screen	EPDM Seals SS Screen	Viton® Seals CPVC Screen	Viton® Seals SS Screen	Std Pk	Mstr Pk	Disc Code
1/2	YS22C8-005C 220.59	YS22S8-005C 303.17	YS32C8-005C 247.02	YS32S8-005C 340.78	1	18	104
3/4	YS22C8-007C 242.37	YS22S8-007C 344.78	YS32C8-007C 272.87	YS32S8-007C 387.53	1	18	104
1	YS22C8-010C 307.98	YS22S8-010C 426.45	YS32C8-010C 346.91	YS32S8-010C 478.56	1	12	104
1-1/4	YS22C8-012C 447.09	YS22S8-012C 615.30	YS32C8-012C 538.04	YS32S8-012C 651.54	1	8	104
1-1/2	YS22C8-015C 480.24	YS22S8-015C 635.59	YS32C8-015C 558.20	YS32S8-015C 710.62	1	8	104
2	YS22C8-020C 679.96	YS22S8-020C 796.78	YS32C8-020C 718.49	YS32S8-020C 869.04	1	4	104
3	YS22C8-030C 811.12	YS22S8-030C 970.28	YS32C8-030C 855.51	YS32S8-030C 1043.76	1	0	104
4	YS22C8-040C 1404.94	YS22S8-040C 1606.94	YS32C8-040C 1510.53	YS32S8-040C 1727.84	1	0	104

CPVC - SR Threaded Ends

Size	EPDM Seals CPVC Screen	EPDM Seals SS Screen	Viton® Seals CPVC Screen	Viton® Seals SS Screen	Std Pk	Mstr Pk	Disc Code
1/2	YS21C8-005CSR 228.62	YS21S8-005CSR 311.20	YS31C8-005CSR 255.06	YS31S8-005CSR 348.82	1	18	104
3/4	YS21C8-007CSR 250.97	YS21S8-007CSR 353.36	YS31C8-007CSR 281.46	YS31S8-007CSR 396.13	1	12	104
1	YS21C8-010CSR 327.67	YS21S8-010CSR 446.11	YS31C8-010CSR 366.61	YS31S8-010CSR 498.21	1	8	104
1-1/4	YS21C8-012CSR 467.31	YS21S8-012CSR 600.88	YS31C8-012CSR 558.27	YS31S8-012CSR 671.79	1	8	104
1-1/2	YS21C8-015CSR 503.66	YS21S8-015CSR 659.00	YS31C8-015CSR 634.34	YS31S8-015CSR 734.02	1	4	104
2	YS21C8-020CSR 713.31	YS21S8-020CSR 830.13	YS31C8-020CSR 799.53	YS31S8-020CSR 902.36	1	0	104
3	YS21C8-030CSR 852.44	YS21S8-030CSR 1011.61	YS31C8-030CSR 912.14	YS31S8-030CSR 1085.07	1	0	104
4	YS21C8-040CSR 1447.78	YS21S8-040CSR 1649.81	YS31C8-040CSR 1553.38	YS31S8-040CSR 1770.71	1	0	104

CPVC - Flanged Ends

Size	EPDM Seals CPVC Screen	EPDM Seals SS Screen	Viton® Seals CPVC Screen	Viton® Seals SS Screen	Std Pk	Mstr Pk	Disc Code
1/2	YS23C8-005C 355.72	YS23S8-005C 436.73	YS33C8-005C 394.83	YS33S8-005C 487.23	1	8	104
3/4	YS23C8-007C 377.84	YS23S8-007C 464.59	YS33C8-007C 409.73	YS33S8-007C 518.49	1	8	104
1	YS23C8-010C 403.47	YS23S8-010C 516.20	YS33C8-010C 439.53	YS33S8-010C 575.49	1	8	104
1-1/4	YS23C8-012C 646.77	YS23S8-012C 796.18	YS33C8-012C 705.09	YS33S8-012C 886.56	1	4	104
1-1/2	YS23C8-015C 720.76	YS23S8-015C 884.65	YS33C8-015C 800.28	YS33S8-015C 986.94	1	4	104
2	YS23C8-020C 906.18	YS23S8-020C 1106.13	YS33C8-020C 994.34	YS33S8-020C 1157.39	1	0	104
3	YS23C8-030C 1238.11	YS23S8-030C 1398.82	YS33C8-030C 1235.05	YS33S8-030C 1504.41	1	0	104
4	YS23C8-040C 1981.90	YS23S8-040C 2183.91	YS33C8-040C 2131.87	YS33S8-040C 2349.21	1	0	104



True Union Y-Strainers

PVC Gray - True Union Socket Ends

Size	EPDM PVC Screen	EPDM SS Screen	Viton® PVC Screen	Viton® SS Screen	Std Pk	Mstr Pk	Disc Code
1/2	YS2AP8-005 87.05	YS2AS8-005 172.23	YS3AP8-005 95.07	YS3AS8-005 189.26	1	12	102
3/4	YS2AP8-007 97.24	YS2AS8-007 196.96	YS3AP8-007 107.16	YS3AS8-007 222.17	1	8	102
1	YS2AP8-010 106.91	YS2AS8-010 233.66	YS3AP8-010 117.71	YS3AS8-010 256.91	1	8	102
1-1/4	YS2AP8-012 181.09	YS2AS8-012 337.72	YS3AP8-012 201.23	YS3AS8-012 371.66	1	4	102
1-1/2	YS2AP8-015 191.62	YS2AS8-015 359.36	YS3AP8-015 212.90	YS3AS8-015 394.62	1	0	102
2	YS2AP8-020 225.06	YS2AS8-020 405.88	YS3AP8-020 250.07	YS3AS8-020 451.00	1	0	102
3	YS2AP8-030 518.74	YS2AS8-030 700.76	YS3AP8-030 557.39	YS3AS8-030 739.44	1	0	102
4	YS2AP8-040 906.98	YS2AS8-040 1135.74	YS3AP8-040 976.23	YS3AS8-040 1205.00	1	0	102

PVC Gray - True Union Threaded Ends

Size	EPDM PVC Screen	EPDM SS Screen	Viton® PVC Screen	Viton® SS Screen	Std Pk	Mstr Pk	Disc Code
1/2	YS2BP8-005 87.05	YS2BS8-005 172.23	YS3BP8-005 95.07	YS3BS8-005 189.26	1	12	102
3/4	YS2BP8-007 97.24	YS2BS8-007 196.96	YS3BP8-007 107.16	YS3BS8-007 222.17	1	8	102
1	YS2BP8-010 106.91	YS2BS8-010 233.66	YS3BP8-010 117.71	YS3BS8-010 256.91	1	8	102
1-1/4	YS2BP8-012 181.09	YS2BS8-012 337.72	YS3BP8-012 201.23	YS3BS8-012 371.66	1	4	102
1-1/2	YS2BP8-015 191.62	YS2BS8-015 359.36	YS3BP8-015 212.90	YS3BS8-015 394.62	1	0	102
2	YS2BP8-020 225.06	YS2BS8-020 405.88	YS3BP8-020 250.07	YS3BS8-020 451.00	1	0	102
3	YS2BP8-030 518.74	YS2BS8-030 700.76	YS3BP8-030 557.39	YS3BS8-030 739.44	1	0	102
4	YS2BP8-040 906.98	YS2BS8-040 1135.74	YS3BP8-040 976.23	YS3BS8-040 1205.00	1	0	102

PVC Gray - True Union SR Threaded Ends

Size	EPDM PVC Screen	EPDM SS Screen	Viton® PVC Screen	Viton® SS Screen	Std Pk	Mstr Pk	Disc Code
1/2	YS2BP8-005SR 91.71	YS2BS8-005SR 176.91	YS3BP8-005SR 99.74	YS3BS8-005SR 193.95	1	12	102
3/4	YS2BP8-007SR 104.02	YS2BS8-007SR 203.71	YS3BP8-007SR 113.89	YS3BS8-007SR 228.93	1	8	102
1	YS2BP8-010SR 116.93	YS2BS8-010SR 243.66	YS3BP8-010SR 127.73	YS3BS8-010SR 266.93	1	8	102
1-1/4	YS2BP8-012SR 197.41	YS2BS8-012SR 353.45	YS3BP8-012SR 217.56	YS3BS8-012SR 388.00	1	4	102
1-1/2	YS2BP8-015SR 211.66	YS2BS8-015SR 379.44	YS3BP8-015SR 232.95	YS3BS8-015SR 414.79	1	0	102
2	YS2BP8-020SR 259.98	YS2BS8-020SR 440.81	YS3BP8-020SR 285.00	YS3BS8-020SR 485.94	1	0	102
3	YS2BP8-030SR 562.23	YS2BS8-030SR 744.27	YS3BP8-030SR 600.88	YS3BS8-030SR 782.94	1	0	102
4	YS2BP8-040SR 952.11	YS2BS8-040SR 1180.85	YS3BP8-040SR 1021.37	YS3BS8-040SR 1250.12	1	0	102

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Spears® Manufacturing Company

True Union Y-Strainers



PVC Clear - True Union Socket Ends

Size	EPDM PVC Screen	EPDM SS Screen	Viton® PVC Screen	Viton® SS Screen	Std Pk	Mstr Pk	Disc Code
1/2	YS2AP8-005CL 87.05	YS2AS8-005CL 172.23	YS3AP8-005CL 95.07	YS3AS8-005CL 189.26	1	12	103
3/4	YS2AP8-007CL 97.24	YS2AS8-007CL 196.96	YS3AP8-007CL 107.16	YS3AS8-007CL 222.17	1	8	103
1	YS2AP8-010CL 106.91	YS2AS8-010CL 233.66	YS3AP8-010CL 117.71	YS3AS8-010CL 256.91	1	8	103
1-1/4	YS2AP8-012CL 181.09	YS2AS8-012CL 337.12	YS3AP8-012CL 201.23	YS3AS8-012CL 371.66	1	4	103
1-1/2	YS2AP8-015CL 191.62	YS2AS8-015CL 359.36	YS3AP8-015CL 212.90	YS3AS8-015CL 394.62	1	0	103
2	YS2AP8-020CL 225.06	YS2AS8-020CL 405.88	YS3AP8-020CL 250.07	YS3AS8-020CL 451.00	1	0	103
3	YS2AP8-030CL 518.74	YS2AS8-030CL 700.76	YS3AP8-030CL 557.39	YS3AS8-030CL 739.44	1	0	103
4	YS2AP8-040CL 906.98	YS2AS8-040CL 1135.74	YS3AP8-040CL 976.23	YS3AS8-040CL 1205.00	1	0	103

PVC Clear - True Union Threaded Ends

Size	EPDM PVC Screen	EPDM SS Screen	Viton® PVC Screen	Viton® SS Screen	Std Pk	Mstr Pk	Disc Code
1/2	YS2BP8-005CL 87.05	YS2BS8-005CL 172.23	YS3BP8-005CL 95.07	YS3BS8-005CL 189.26	1	12	103
3/4	YS2BP8-007CL 97.24	YS2BS8-007CL 196.96	YS3BP8-007CL 107.16	YS3BS8-007CL 222.17	1	8	103
1	YS2BP8-010CL 106.91	YS2BS8-010CL 233.67	YS3BP8-010CL 117.71	YS3BS8-010CL 256.91	1	8	103
1-1/4	YS2BP8-012CL 181.09	YS2BS8-012CL 337.12	YS3BP8-012CL 201.23	YS3BS8-012CL 371.66	1	4	103
1-1/2	YS2BP8-015CL 191.62	YS2BS8-015CL 359.36	YS3BP8-015CL 212.90	YS3BS8-015CL 394.62	1	0	103
2	YS2BP8-020CL 225.06	YS2BS8-020CL 405.88	YS3BP8-020CL 250.07	YS3BS8-020CL 451.00	1	0	103
3	YS2BP8-030CL 518.74	YS2BS8-030CL 700.76	YS3BP8-030CL 557.39	YS3BS8-030CL 739.44	1	0	103
4	YS2BP8-040CL 906.98	YS2BS8-040CL 1135.74	YS3BP8-040CL 976.23	YS3BS8-040CL 1205.00	1	0	103

PVC Clear - True Union SR Threaded Ends

Size	EPDM PVC Screen	EPDM SS Screen	Viton® PVC Screen	Viton® SS Screen	Std Pk	Mstr Pk	Disc Code
1/2	YS2BP8-005CLSR 91.71	YS2BS8-005CLSR 176.91	YS3BP8-005CLSR 99.74	YS3BS8-005CLSR 193.95	1	12	103
3/4	YS2BP8-007CLSR 104.02	YS2BS8-007CLSR 203.71	YS3BP8-007CLSR 113.89	YS3BS8-007CLSR 228.93	1	8	103
1	YS2BP8-010CLSR 116.93	YS2BS8-010CLSR 243.66	YS3BP8-010CLSR 127.73	YS3BS8-010CLSR 266.93	1	8	103
1-1/4	YS2BP8-012CLSR 197.41	YS2BS8-012CLSR 353.45	YS3BP8-012CLSR 217.56	YS3BS8-012CLSR 388.00	1	4	103
1-1/2	YS2BP8-015CLSR 211.66	YS2BS8-015CLSR 379.44	YS3BP8-015CLSR 232.95	YS3BS8-015CLSR 414.79	1	0	103
2	YS2BP8-020CLSR 259.98	YS2BS8-020CLSR 440.81	YS3BP8-020CLSR 285.00	YS3BS8-020CLSR 485.94	1	0	103
3	YS2BP8-030CLSR 562.23	YS2BS8-030CLSR 744.27	YS3BP8-030CLSR 600.88	YS3BS8-030CLSR 782.94	1	0	103
4	YS2BP8-040CLSR 952.11	YS2BS8-040CLSR 1180.85	YS3BP8-040CLSR 1021.37	YS3BS8-040CLSR 1250.12	1	0	103

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Page 12



True Union Y-Strainers

CPVC - True Union Socket Ends

Size	EPDM CPVC Screen	EPDM SS Screen	Viton® CPVC Screen	Viton® SS Screen	Std Pk	Mstr Pk	Disc Code
1/2	YS2AC8-005C 232.21	YS2AS8-005C 319.13	YS3AC8-005C 260.05	YS3AS8-005C 358.71	1	12	104
3/4	YS2AC8-007C 255.13	YS2AS8-007C 362.93	YS3AC8-007C 287.23	YS3AS8-007C 407.93	1	8	104
1	YS2AC8-010C 324.19	YS2AS8-010C 448.91	YS3AC8-010C 365.18	YS3AS8-010C 503.73	1	8	104
1-1/4	YS2AC8-012C 470.62	YS2AS8-012C 647.68	YS3AC8-012C 566.34	YS3AS8-012C 686.81	1	4	104
1-1/2	YS2AC8-015C 505.52	YS2AS8-015C 669.03	YS3AC8-015C 587.61	YS3AS8-015C 748.01	1	0	104
2	YS2AC8-020C 715.74	YS2AS8-020C 838.71	YS3AC8-020C 756.31	YS3AS8-020C 914.78	1	0	104
3	YS2AC8-030C 853.80	YS2AS8-030C 1021.37	YS3AC8-030C 916.66	YS3AS8-030C 1098.68	1	0	104
4	YS2AC8-040C 1478.87	YS2AS8-040C 1691.51	YS3AC8-040C 1590.04	YS3AS8-040C 1818.80	1	0	104

CPVC - True Union Threaded Ends

Size	EPDM CPVC Screen	EPDM SS Screen	Viton® CPVC Screen	Viton® SS Screen	Std Pk	Mstr Pk	Disc Code
1/2	YS2BC8-005C 232.21	YS2BS8-005C 319.13	YS3BC8-005C 260.05	YS3BS8-005C 358.71	1	12	104
3/4	YS2BC8-007C 255.13	YS2BS8-007C 362.93	YS3BC8-007C 287.23	YS3BS8-007C 407.93	1	8	104
1	YS2BC8-010C 324.19	YS2BS8-010C 448.91	YS3BC8-010C 365.18	YS3BS8-010C 503.73	1	8	104
1-1/4	YS2BC8-012C 470.62	YS2BS8-012C 647.68	YS3BC8-012C 566.34	YS3BS8-012C 685.84	1	4	104
1-1/2	YS2BC8-015C 505.52	YS2BS8-015C 669.03	YS3BC8-015C 587.61	YS3BS8-015C 748.01	1	0	104
2	YS2BC8-020C 715.74	YS2BS8-020C 838.71	YS3BC8-020C 756.31	YS3BS8-020C 914.78	1	0	104
3	YS2BC8-030C 853.80	YS2BS8-030C 1021.37	YS3BC8-030C 902.87	YS3BS8-030C 1098.68	1	0	104
4	YS2BC8-040C 1478.87	YS2BS8-040C 1691.51	YS3BC8-040C 1590.04	YS3BS8-040C 1818.80	1	0	104

CPVC - True Union SR Threaded Ends

Size	EPDM CPVC Screen	EPDM SS Screen	Viton® CPVC Screen	Viton® SS Screen	Std Pk	Mstr Pk	Disc Code
1/2	YS2BC8-005CSR 240.67	YS2BS8-005CSR 327.55	YS3BC8-005CSR 268.48	YS3BS8-005CSR 367.18	1	12	104
3/4	YS2BC8-007CSR 264.18	YS2BS8-007CSR 371.94	YS3BC8-007CSR 296.28	YS3BS8-007CSR 416.98	1	12	104
1	YS2BC8-010CSR 344.90	YS2BS8-010CSR 469.56	YS3BC8-010CSR 385.89	YS3BS8-010CSR 524.71	1	8	104
1-1/4	YS2BC8-012CSR 491.89	YS2BS8-012CSR 632.51	YS3BC8-012CSR 587.63	YS3BS8-012CSR 707.13	1	4	104
1-1/2	YS2BC8-015CSR 530.15	YS2BS8-015CSR 693.68	YS3BC8-015CSR 667.71	YS3BS8-015CSR 772.65	1	0	104
2	YS2BC8-020CSR 750.86	YS2BS8-020CSR 873.81	YS3BC8-020CSR 841.61	YS3BS8-020CSR 949.86	1	0	104
3	YS2BC8-030CSR 897.32	YS2BS8-030CSR 1064.86	YS3BC8-030CSR 960.14	YS3BS8-030CSR 1142.18	1	0	104
4	YS2BC8-040CSR 1523.97	YS2BS8-040CSR 1736.64	YS3BC8-040CSR 1635.14	YS3BS8-040CSR 1863.88	1	0	104

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Basket Strainers



Pressure Rating
@ 73°F (23°C), Water

1/2"-8" 150 psi
10"-12" 50 psi

Maximum Service
Temperature

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

Temperature/Pressure
De-ratings Apply

Important Ordering Information - Column headings indicate Elastomer seal type and Strainer Basket screen material. All Part Numbers shown designate 1/8" perforated (#6 Mesh Code) Strainer Basket Screens. To order other screen perforation sizing, replace the number "6" preceding the dash-separator with the corresponding Mesh Code from chart. Pricing is the same for all listed Mesh Codes.

Perforation Size	Mesh Code
1/16"	12
3/32"	8
1/8"	6
3/16"	4
1/4"	3
3/8"	2

Example: To order a 1/16" screen perforation in listed part number BS22P6-020, change the part number to BS22P12-020

Contact Spears® for additional perforations & wire mesh sizes



Basket Strainers

PVC - Socket Ends

Size	EPDM Seals PVC Screen	EPDM Seals SS Screen	Viton® Seals PVC Screen	Viton® Seals SS Screen	Std Pk	Mstr Pk	Disc Code
1/2	BS22P6-005 386.71	BS22S6-005 618.43	BS32P6-005 407.06	BS32S6-005 638.78	1	2	295
3/4	BS22P6-007 386.71	BS22S6-007 618.43	BS32P6-007 407.06	BS32S6-007 638.78	1	2	295
1	BS22P6-010 386.71	BS22S6-010 618.43	BS32P6-010 407.06	BS32S6-010 638.78	1	2	295
1-1/4	BS22P6-012 708.31	BS22S6-012 1016.26	BS32P6-012 795.65	BS32S6-012 1142.12	1	1	295
1-1/2	BS22P6-015 708.31	BS22S6-015 1016.26	BS32P6-015 795.65	BS32S6-015 1142.12	1	1	295
2	BS22P6-020 708.31	BS22S6-020 1016.26	BS32P6-020 795.65	BS32S6-020 1142.12	1	1	295
2-1/2	BS22P6-025 1339.59	BS22S6-025 1874.63	BS32P6-025 1505.88	BS32S6-025 2106.39	1	1	295
3	BS22P6-030 1634.47	BS22S6-030 2168.95	BS32P6-030 1836.53	BS32S6-030 2437.06	1	1	295
4	BS22P6-040 2164.52	BS22S6-040 2779.24	BS32P6-040 2432.03	BS32S6-040 3114.18	1	1	295
6	BS22P6-060 3090.12	BS22S6-060 4153.51	BS32P6-060 3472.16	BS32S6-060 4672.60	1	1	295
8	BS22P6-080 4118.85	BS22S6-080 5564.30	BS32P6-080 4628.90	BS32S6-080 6253.35	1	0	295
10	BS22P6-100 7893.20	BS22S6-100 9958.39	BS32P6-100 8632.28	BS32S6-100 10951.54	1	0	295
12	BS22P6-120 9779.41	BS22S6-120 12527.86	BS32P6-120 10755.21	BS32S6-120 13840.53	1	0	295

PVC - Flanged Ends

Size	EPDM Seals PVC Screen	EPDM Seals SS Screen	Viton® Seals PVC Screen	Viton® Seals SS Screen	Std Pk	Mstr Pk	Disc Code
1/2	BS23P6-005 445.77	BS23S6-005 677.48	BS33P6-005 468.12	BS33S6-005 699.84	1	1	295
3/4	BS23P6-007 445.77	BS23S6-007 677.48	BS33P6-007 468.12	BS33S6-007 699.84	1	1	295
1	BS23P6-010 445.77	BS23S6-010 677.48	BS33P6-010 468.12	BS33S6-010 699.84	1	1	295
1-1/4	BS23P6-012 842.03	BS23S6-012 1150.96	BS33P6-012 946.95	BS33S6-012 1293.41	1	1	295
1-1/2	BS23P6-015 842.03	BS23S6-015 1126.73	BS33P6-015 946.95	BS33S6-015 1293.41	1	1	295
2	BS23P6-020 842.03	BS23S6-020 1150.96	BS33P6-020 946.95	BS33S6-020 1293.41	1	1	295
2-1/2	BS23P6-025 1545.52	BS23S6-025 2080.03	BS33P6-025 1736.66	BS33S6-025 2337.17	1	1	295
3	BS23P6-030 1962.23	BS23S6-030 2495.96	BS33P6-030 2204.74	BS33S6-030 2804.29	1	1	295
4	BS23P6-040 2557.34	BS23S6-040 3165.56	BS33P6-040 2873.57	BS33S6-040 3556.85	1	1	295
6	BS23P6-060 5458.09	BS23S6-060 6521.29	BS33P6-060 6132.66	BS33S6-060 7327.32	1	1	295
8	BS23P6-080 7192.60	BS23S6-080 8638.06	BS33P6-080 8081.84	BS33S6-080 9706.24	1	0	295
10	BS23P6-100 9589.24	BS23S6-100 11654.27	BS33P6-100 10774.48	BS33S6-100 13094.70	1	0	295
12	BS23P6-120 13121.45	BS23S6-120 15871.65	BS33P6-120 14743.20	BS33S6-120 17833.31	1	0	295

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Basket Strainers



PVC - Spigot Ends

Size	EPDM Seals PVC Screen	EPDM Seals SS Screen	Viton® Seals PVC Screen	Viton® Seals SS Screen	Std Pk	Mstr Pk	Disc Code
1/2	BS27P6-005 386.71	BS27S6-005 618.43	BS37P6-005 407.06	BS37S6-005 638.78	1	1	295
3/4	BS27P6-007 386.71	BS27S6-007 618.43	BS37P6-007 407.06	BS37S6-007 638.78	1	1	295
1	BS27P6-010 386.71	BS27S6-010 618.43	BS37P6-010 407.06	BS37S6-010 638.78	1	1	295
1-1/4	BS27P6-012 708.31	BS27S6-012 1016.26	BS37P6-012 795.65	BS37S6-012 1142.12	1	1	295
1-1/2	BS27P6-015 708.31	BS27S6-015 1016.26	BS37P6-015 795.65	BS37S6-015 1142.12	1	1	295
2	BS27P6-020 708.31	BS27S6-020 1016.26	BS37P6-020 795.65	BS37S6-020 1142.12	1	1	295
2-1/2	BS27P6-025 1339.59	BS27S6-025 1874.65	BS37P6-025 1505.88	BS37S6-025 2106.39	1	1	295
3	BS27P6-030 1634.47	BS27S6-030 2168.95	BS37P6-030 1836.53	BS37S6-030 2437.06	1	1	295
4	BS27P6-040 2164.52	BS27S6-040 2779.24	BS37P6-040 2432.03	BS37S6-040 3114.18	1	1	295
6	BS27P6-060 3090.12	BS27S6-060 4153.51	BS37P6-060 3472.16	BS37S6-060 4672.60	1	1	295
8	BS27P6-080 4118.85	BS27S6-080 5564.30	BS37P6-080 4628.90	BS37S6-080 6253.35	1	0	295
10	BS27P6-100 7893.20	BS27S6-100 9958.39	BS37P6-100 8632.28	BS37S6-100 10951.54	1	0	295
12	BS27P6-120 9779.41	BS27S6-120 12527.86	BS37P6-120 10755.21	BS37S6-120 13840.53	1	0	295

CPVC - Socket Ends

Size	EPDM Seals CPVC Screen	EPDM Seals SS Screen	Viton® Seals CPVC Screen	Viton® Seals SS Screen	Std Pk	Mstr Pk	Disc Code
1/2	BS22C6-005C 602.77	BS22S6-005C 834.47	BS32C6-005C 633.22	BS32S6-005C 864.94	1	2	297
3/4	BS22C6-007C 602.77	BS22S6-007C 834.47	BS32C6-007C 633.22	BS32S6-007C 864.94	1	2	297
1	BS22C6-010C 602.77	BS22S6-010C 834.47	BS32C6-010C 633.22	BS32S6-010C 864.94	1	2	297
1-1/4	BS22C6-012C 1137.49	BS22S6-012C 1446.44	BS32C6-012C 1278.56	BS32S6-012C 1625.02	1	1	297
1-1/2	BS22C6-015C 1137.49	BS22S6-015C 1446.44	BS32C6-015C 1278.56	BS32S6-015C 1625.02	1	1	297
2	BS22C6-020C 1137.49	BS22S6-020C 1446.44	BS32C6-020C 1278.56	BS32S6-020C 1625.02	1	2	297
2-1/2	BS22C6-025C 1863.49	BS22S6-025C 2396.24	BS32C6-025C 2093.68	BS32S6-025C 2692.65	1	1	297
3	BS22C6-030C 2416.10	BS22S6-030C 2950.73	BS32C6-030C 2714.79	BS32S6-030C 3315.30	1	1	297
4	BS22C6-040C 3210.39	BS22S6-040C 3818.22	BS32C6-040C 3607.85	BS32S6-040C 4290.17	1	1	297
6	BS22C6-060C 4242.99	BS22S6-060C 5308.14	BS32C6-060C 4767.46	BS32S6-060C 5964.05	1	1	297
8	BS22C6-080C 6057.05	BS22S6-080C 7502.85	BS32C6-080C 6805.74	BS32S6-080C 8430.19	1	0	297
10	BS22C6-100C 10632.43	BS22S6-100C 12696.27	BS32C6-100C 11946.62	BS32S6-100C 14265.89	1	0	297
12	BS22C6-120C 13501.78	BS22S6-120C 16252.17	BS32C6-120C 15170.49	BS32S6-120C 18261.73	1	0	297

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Page 16



Basket Strainers

CPVC - Flanged Ends

Size	EPDM Seals CPVC Screen	EPDM Seals SS Screen	Viton® Seals CPVC Screen	Viton® Seals SS Screen	Std Pk	Mstr Pk	Disc Code
1/2	BS23C6-005C 659.69	BS23S6-005C 891.39	BS33C6-005C 694.29	BS33S6-005C 926.00	1	1	297
3/4	BS23C6-007C 659.69	BS23S6-007C 891.39	BS33C6-007C 694.29	BS33S6-007C 926.00	1	1	297
1	BS23C6-010C 659.69	BS23S6-010C 891.39	BS33C6-010C 694.29	BS33S6-010C 926.00	1	1	297
1-1/4	BS23C6-012C 1282.83	BS23S6-012C 1589.62	BS33C6-012C 1441.21	BS33S6-012C 1786.13	1	1	297
1-1/2	BS23C6-015C 1282.83	BS23S6-015C 1589.62	BS33C6-015C 1441.21	BS33S6-015C 1786.13	1	1	297
2	BS23C6-020C 1282.83	BS23S6-020C 1589.62	BS33C6-020C 1441.21	BS33S6-020C 1786.13	1	1	297
2-1/2	BS23C6-025C 2434.77	BS23S6-025C 2968.45	BS33C6-025C 2735.01	BS33S6-025C 3335.52	1	2	297
3	BS23C6-030C 2894.94	BS23S6-030C 3620.37	BS33C6-030C 3252.76	BS33S6-030C 3853.24	1	1	297
4	BS23C6-040C 3790.70	BS23S6-040C 7828.53	BS33C6-040C 4259.38	BS33S6-040C 8795.88	1	1	297
6	BS23C6-060C 7279.80	BS23S6-060C 8343.96	BS33C6-060C 8179.96	BS33S6-060C 9375.20	1	1	297
8	BS23C6-080C 9417.57	BS23S6-080C 10863.60	BS33C6-080C 10582.02	BS33S6-080C 12206.45	1	0	297
10	BS23C6-100C 12787.71	BS23S6-100C 14851.00	BS33C6-100C 14367.89	BS33S6-100C 16687.16	1	0	297
12	BS23C6-120C 17494.56	BS23S6-120C 20244.01	BS33C6-120C 19656.97	BS33S6-120C 22749.03	1	0	297

CPVC - Spigot Ends

Size	EPDM Seals CPVC Screen	EPDM Seals SS Screen	Viton® Seals CPVC Screen	Viton® Seals SS Screen	Std Pk	Mstr Pk	Disc Code
1/2	BS27C6-005C 602.77	BS27S6-005C 834.47	BS37C6-005C 633.22	BS37S6-005C 864.94	1	1	297
3/4	BS27C6-007C 602.77	BS27S6-007C 834.47	BS37C6-007C 633.22	BS37S6-007C 864.94	1	1	297
1	BS27C6-010C 602.77	BS27S6-010C 834.47	BS37C6-010C 633.22	BS37S6-010C 864.94	1	1	297
1-1/4	BS27C6-012C 1137.49	BS27S6-012C 1446.44	BS37C6-012C 1278.56	BS37S6-012C 1625.02	1	1	297
1-1/2	BS27C6-015C 1137.49	BS27S6-015C 1446.44	BS37C6-015C 1278.56	BS37S6-015C 1625.02	1	1	297
2	BS27C6-020C 1137.49	BS27S6-020C 1446.44	BS37C6-020C 1278.56	BS37S6-020C 1625.02	1	1	297
2-1/2	BS27C6-025C 1863.49	BS27S6-025C 2396.24	BS37C6-025C 2093.68	BS37S6-025C 2692.65	1	1	297
3	BS27C6-030C 2416.10	BS27S6-030C 2950.73	BS37C6-030C 2714.79	BS37S6-030C 3315.30	1	1	297
4	BS27C6-040C 3210.39	BS27S6-040C 3818.22	BS37C6-040C 3607.85	BS37S6-040C 4290.17	1	1	297
6	BS27C6-060C 4242.99	BS27S6-060C 5308.14	BS37C6-060C 4767.46	BS37S6-060C 5964.05	1	1	297
8	BS27C6-080C 6057.05	BS27S6-080C 7502.85	BS37C6-080C 6805.74	BS37S6-080C 8430.19	1	0	297
10	BS27C6-100C 10632.43	BS27S6-100C 12696.27	BS37C6-100C 11946.62	BS37S6-100C 14265.89	1	0	297
12	BS27C6-120C 13501.78	BS27S6-120C 16252.17	BS37C6-120C 15170.31	BS37S6-120C 18261.73	1	0	297

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Suction Strainers



Pressure Rating @ 73°F (23°C), Water
50 psi

Maximum Service Temperature

PVC = 140°F (60°C)

Temperature/Pressure De-ratings Apply

Suction Strainer is a special Basket Strainer design that reduces pressure drop, a critical element in suction line applications. While same-size (inlet/outlet) units are available, enlarged inlet on reducing sizes performs best in suction line applications. The internal Strainer Basket is bottom-drained for direct flushing through a 360° adjustable side mounted Discharge Valve Assembly (included). Bolt-on Bonnet is fitted with Top Sight-Glass.

Standard units listed have EPDM Seals and Stainless Steel 3/16" Perforated Screen (4-mesh). Contact Spears® for other Mesh Code or Elastomer seal options required.

PVC Suction Strainer

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
Flanged End					
SS23BS4SG-040	4	1	1	295	2831.29
SS23BS4SG-420	4X2	1	1	295	2697.00
SS23BS4SG-421	4X2-1/2	1	1	295	2707.55
SS23BS4SG-422	4X3	1	1	295	2714.44
SS23BS4SG-060	6	1	1	295	3693.15
SS23BS4SG-532	6X4	1	1	295	3567.91
SS23BS4SG-080	8	1	0	295	4056.43
SS23BS4SG-582	8X4	1	0	295	3688.55
SS23BS4SG-585	8X6	1	0	295	3709.95
SS23BS4SG-100	10	1	0	295	4537.73
SS23BS4SG-626	10X6	1	0	295	4416.21
SS23BS4SG-628	10X8	1	0	295	4466.51
SS23BS4SG-120	12	1	0	295	4989.30
SS23BS4SG-668	12X8	1	0	295	4868.68
SS23BS4SG-670	12X10	1	0	295	4909.68

Suction Strainer Stainless Steel Baskets 3/16" Perforation

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
SSS4-040	4	1	4	299	785.17
SSS4-060	6	1	2	299	835.29
SSS4-080	8	1	2	299	1046.74
SSS4-100	10	1	0	299	1137.77
SSS4-120	12	1	2	299	1394.84

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Page 18



In-line Tee-Style Filters

100 GPM PVC Gray Tee Filter

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
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Stainless Steel Screen

16	TF2-16 686.07	TF3-16 737.06	1	0	295
32	TF2-32 701.54	TF3-32 753.73	1	0	295
50	TF2-50 795.05	TF3-50 900.04	1	0	295
76	TF2-76 960.34	TF3-76 1031.82	1	0	295
100	TF2-100 872.94	TF3-100 937.84	1	0	295
150	TF2-150 904.18	TF3-150 971.35	1	0	295
200	TF2-200 982.23	TF3-200 1055.22	1	0	295

Standard TF2-16, TF2-32, TF3-16, TF3-32, MTF2-16, MTF2-32, MTF3-16 & MTF3-32 can be utilized as Reverse Flow Filters by reversing installation from current inlet to outlet and current outlet to inlet.

50 GPM PVC Gray Tee Filter

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
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Stainless Steel Screen

16	MTF2-16 576.82	MTF3-16 619.66	1	0	295
32	MTF2-32 586.16	MTF3-32 629.78	1	0	295
50	MTF2-50 604.83	MTF3-50 649.82	1	0	295
76	MTF2-76 732.61	MTF3-76 787.11	1	0	295
100	MTF2-100 639.11	MTF3-100 686.55	1	0	295
150	MTF2-150 670.34	MTF3-150 720.21	1	0	295
200	MTF2-200 748.22	MTF3-200 803.94	1	0	295

Standard TF2-16, TF2-32, TF3-16, TF3-32, MTF2-16, MTF2-32, MTF3-16 & MTF3-32 can be utilized as Reverse Flow Filters by reversing installation from current inlet to outlet and current outlet to inlet.



Socket/Spigot

**All Filters are 2-1/2" x 2-1/2"
Inlet/Outlet Connection**

Note: 2-1/2" Socket is also a 3" Spigot

Pressure Rating @ 73°F (23°C), Water

200 psi

Mesh Size Codes

Mesh Size	Size Code
1/16" Holes	16
1/32" Holes	32
50 Mesh	50
76 Mesh	76
100 Mesh	100
150 Mesh	150
200 Mesh	200

Note: Standard flow filtration path is internal to external. Reverse-flow filtration flows from external to internal side of filter screen.

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Spears® Manufacturing Company

In-line Tee-Style Filters



100 GPM PVC Gray Reverse Tee Filter

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
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Stainless Steel Screen

16	TF2-16 686.07	TF3-16 737.06	1	0	295
32	TF2-32 701.54	TF3-32 753.73	1	0	295
50	TFR2-50 795.05	TFR3-50 854.13	1	0	295
76	TFR2-76 960.34	TFR3-76 1031.82	1	0	295
100	TFR2-100 872.94	TFR3-100 937.84	1	0	295
150	TFR2-150 904.18	TFR3-150 971.35	1	0	295
200	TFR2-200 982.23	TFR3-200 1055.22	1	0	295

Standard TF2-16, TF2-32, TF3-16, TF3-32, MTF2-16, MTF2-32, MTF3-16 & MTF3-32 can be utilized as Reverse Flow Filters by reversing installation from current inlet to outlet and current outlet to inlet.

100 GPM CPVC Tee Filter

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
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Stainless Steel Screen

16	TF2-16C 887.64	TF3-16C 953.60	1	0	296
32	TF2-32C 907.54	TF3-32C 975.19	1	0	296
50	TF2-50C 1028.76	TF3-50C 1104.96	1	0	296
76	TF2-76C 1242.39	TF3-76C 1335.00	1	0	296
100	TF2-100C 1129.29	TF3-100C 1213.32	1	0	296
150	TF2-150C 1169.69	TF3-150C 1256.78	1	0	296
200	TF2-200C 1270.72	TF3-200C 1365.13	1	0	296

Standard TF2-16C, TF2-32C, TF3-16C, TF3-32C, MTF2-16C, MTF2-32C, MTF3-16C & MTF3-32C can be utilized as Reverse Flow Filters by reversing installation from current inlet to outlet and current outlet to inlet.

50 GPM PVC Gray Reverse Tee Filter

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
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Stainless Steel Screen

16	MTF2-16 576.82	MTF3-16 619.66	1	0	295
32	MTF2-32 586.16	MTF3-32 629.78	1	0	295
50	MTFR2-50 604.83	MTFR3-50 649.82	1	0	295
76	MTFR2-76 732.61	MTFR3-76 787.11	1	0	295
100	MTFR2-100 639.11	MTFR3-100 686.55	1	0	295
150	MTFR2-150 670.34	MTFR3-150 720.21	1	0	295
200	MTFR2-200 748.22	MTFR3-200 803.94	1	0	295

Standard TF2-16, TF2-32, TF3-16, TF3-32, MTF2-16, MTF2-32, MTF3-16 & MTF3-32 can be utilized as Reverse Flow Filters by reversing installation from current inlet to outlet and current outlet to inlet.

50 GPM CPVC Tee Filter

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
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Stainless Steel Screen

16	MTF2-16C 746.23	MTF3-16C 801.63	1	0	296
32	MTF2-32C 758.33	MTF3-32C 814.80	1	0	296
50	MTF2-50C 782.50	MTF3-50C 840.67	1	0	296
76	MTF2-76C 947.80	MTF3-76C 1018.34	1	0	296
100	MTF2-100C 826.73	MTF3-100C 888.11	1	0	296
150	MTF2-150C 867.28	MTF3-150C 930.65	1	0	296
200	MTF2-200C 968.01	MTF3-200C 1040.07	1	0	296

Standard TF2-16C, TF2-32C, TF3-16C, TF3-32C, MTF2-16C, MTF2-32C, MTF3-16C & MTF3-32C can be utilized as Reverse Flow Filters by reversing installation from current inlet to outlet and current outlet to inlet.

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Page 20



In-line Tee-Style Filters

100 GPM CPVC Reverse Tee Filter

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
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Stainless Steel Screen

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
16	TF2-16C 887.64	TF3-16C 953.60	1	0	296
32	TF2-32C 907.54	TF3-32C 975.19	1	0	296
50	TFR2-50C 1028.76	TFR3-50C 1104.96	1	0	296
76	TFR2-76C 1242.39	TFR3-76C 1335.00	1	0	296
100	TFR2-100C 1129.29	TFR3-100C 1213.32	1	0	296
150	TFR2-150C 1169.69	TFR3-150C 1256.78	1	0	296
200	TFR2-200C 1270.72	TFR3-200C 1365.13	1	0	296

Standard TF2-16C, TF2-32C, TF3-16C, TF3-32C, MTF2-16C, MTF2-32C, MTF3-16C & MTF3-32C can be utilized as Reverse Flow Filters by reversing installation from current inlet to outlet and current outlet to inlet.

50 GPM CPVC Reverse Tee Filter

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
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Stainless Steel Screen

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
16	MTF2-16C 746.23	MTF3-16C 801.63	1	0	296
32	MTF2-32C 758.33	MTF3-32C 814.80	1	0	296
50	MTFR2-50C 782.50	MTFR3-50C 840.67	1	0	296
76	MTFR2-76C 947.80	MTFR3-76C 1018.34	1	0	296
100	MTFR2-100C 826.73	MTFR3-100C 888.11	1	0	296
150	MTFR2-150C 867.28	MTFR3-150C 930.65	1	0	296
200	MTFR2-200C 968.01	MTFR3-200C 1040.07	1	0	296

Standard TF2-16C, TF2-32C, TF3-16C, TF3-32C, MTF2-16C, MTF2-32C, MTF3-16C & MTF3-32C can be utilized as Reverse Flow Filters by reversing installation from current inlet to outlet and current outlet to inlet.

100 GPM Filter Replacement Screens for TF Filters

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
FL-16-1	1/16" Holes	3	0	020	210.94
FL-32-1	1/32" Holes	3	0	020	230.11
FL-50-1	50 Mesh	3	0	020	455.45
FL-76-1	76 Mesh	3	0	020	450.65
FL-100-1	100 Mesh	3	0	020	354.78
FL-150-1	150 Mesh	3	0	020	383.52
FL-200-1	200 Mesh	3	0	020	474.62

NOTE: When ordering replacement screens for TF Series Filters, please provide exact length of old screen within 1/64" to insure proper fit of new screen in your filter body.

50 GPM Filter Replacement Screens for MTF Filters

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
MFL-16-1	1/16" Holes	3	0	020	210.94
MFL-32-1	1/32" Holes	3	0	020	220.53
MFL-50-1	50 Mesh	3	0	020	239.71
MFL-76-1	76 Mesh	3	0	020	340.38
MFL-100-1	100 Mesh	3	0	020	263.69
MFL-150-1	150 Mesh	3	0	020	292.46
MFL-200-1	200 Mesh	3	0	020	359.54

NOTE: When ordering replacement screens for MTF Series Filters, please provide exact length of old screen within 1/64" to insure proper fit of new screen in your filter body.

100 GPM Reverse Flow Filter Replacement Screens for TFR Filters

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
FL-16-1	1/16" Holes	3	0	020	210.94
FL-32-1	1/32" Holes	3	0	020	230.11
FLR-50-1	50 Mesh	3	0	020	231.22
FLR-76-1	76 Mesh	3	0	020	450.65
FLR-100-1	100 Mesh	3	0	020	320.17
FLR-150-1	150 Mesh	3	0	020	364.34
FLR-200-1	200 Mesh	3	0	020	450.89

50 GPM Reverse Flow Filter Replacement Screens for MTFR Filters

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
MFL-16-1	1/16" Holes	3	0	020	210.94
MFL-32-1	1/32" Holes	3	0	020	220.53
MFLR-50-1	50 Mesh	3	0	020	243.40
MFLR-76-1	76 Mesh	3	0	020	340.38
MFLR-100-1	100 Mesh	3	0	020	250.49
MFLR-150-1	150 Mesh	3	0	020	277.82
MFLR-200-1	200 Mesh	3	0	020	341.55

Gauge Guards



Connections use Spears® Patented Special Reinforced (SR) Female Threads on Pressure Inlet (1/4" or 1/2")

Pressure Rating (All Materials)

235 psi @ 73°F

16 BAR @ 22°C

Maximum Service Temperature

PVC = 140°F (60°C)

CPVC = 200°F (93°C)

PP = 180°F (82°C)

Temperature/Pressure De-ratings Apply

Rated for Full Vacuum Service

Gauge Guards are pre-filled with glycerin-water on units with Factory Installed Gauges. "No Gauge" units are to be filled by end user.

PVC GAUGE GUARDS

Size	1/4" Inlet Connection	1/2" Inlet Connection	Std Pk	Mstr Pk	Disc Code
PTFE Diaphragm					
No Gauge	G0004-002 98.64	G0004-005 98.64	1	18	624
0-30 in-Hg	G30V4-002 166.52	G30V4-005 166.52	1	18	624
0-15 psi	G0154-002 157.41	G0154-005 157.41	1	18	624
0-30 psi	G0304-002 157.41	G0304-005 157.41	1	18	624
0-60 psi	G0604-002 157.41	G0604-005 157.41	1	18	624
0-100 psi	G1004-002 157.41	G1004-005 157.41	1	18	624
0-160 psi	G1604-002 157.41	G1604-005 157.41	1	18	624
0-200 psi	G2004-002 157.41	G2004-005 157.41	1	18	624
0-300 psi	G3004-002 157.41	G3004-005 157.41	1	18	624

Viton® Diaphragm

No Gauge	G0003-002 98.64	G0003-005 98.64	1	18	624
0-30 in-Hg	G30V3-002 166.52	G30V3-005 166.52	1	18	624
0-15 psi	G0153-002 157.41	G0153-005 157.41	1	18	624
0-30 psi	G0303-002 157.41	G0303-005 157.41	1	18	624
0-60 psi	G0603-002 157.41	G0603-005 157.41	1	18	624
0-100 psi	G1003-002 157.41	G1003-005 157.41	1	18	624
0-160 psi	G1603-002 157.41	G1603-005 157.41	1	18	624
0-200 psi	G2003-002 157.41	G2003-005 157.41	1	18	624
0-300 psi	G3003-002 157.41	G3003-005 157.41	1	18	624

EPDM Diaphragm

No Gauge	G0002-002 94.65	G0002-005 94.65	1	18	624
0-30 in-Hg	G30V2-002 159.83	G30V2-005 159.83	1	18	624
0-15 psi	G0152-002 151.16	G0152-005 151.16	1	18	624
0-30 psi	G0302-002 151.16	G0302-005 151.16	1	18	624
0-60 psi	G0602-002 151.16	G0602-005 151.16	1	18	624
0-100 psi	G1002-002 151.16	G1002-005 151.16	1	18	624
0-160 psi	G1602-002 151.16	G1602-005 151.16	1	18	624
0-200 psi	G2002-002 151.16	G2002-005 151.16	1	18	624
0-300 psi	G3002-002 151.16	G3002-005 151.16	1	18	624

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Page 22



Gauge Guards

CPVC GAUGE GUARDS

Size	1/4" Inlet Connection	1/2" Inlet Connection	Std Pk	Mstr Pk	Disc Code
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PTFE Diaphragm

No Gauge	G0004-002C 128.23	G0004-005C 128.23	1	18	625
0-30 in-Hg	G30V4-002C 216.49	G30V4-005C 216.49	1	18	625
0-15 psi	G0154-002C 204.66	G0154-005C 204.66	1	18	625
0-30 psi	G0304-002C 204.66	G0304-005C 204.66	1	18	625
0-60 psi	G0604-002C 204.66	G0604-005C 204.66	1	18	625
0-100 psi	G1004-002C 204.66	G1004-005C 204.66	1	18	625
0-160 psi	G1604-002C 204.66	G1604-005C 204.66	1	18	625
0-200 psi	G2004-002C 204.66	G2004-005C 204.66	1	18	625
0-300 psi	G3004-002C 204.66	G3004-005C 204.66	1	18	625

Viton® Diaphragm

No Gauge	G0003-002C 128.23	G0003-005C 128.23	1	18	625
0-30 in-Hg	G30V3-002C 216.49	G30V3-005C 216.49	1	18	625
0-15 psi	G0153-002C 204.66	G0153-005C 204.66	1	18	625
0-30 psi	G0303-002C 204.66	G0303-005C 204.66	1	18	625
0-60 psi	G0603-002C 204.66	G0603-005C 204.66	1	18	625
0-100 psi	G1003-002C 204.66	G1003-005C 204.66	1	18	625
0-160 psi	G1603-002C 204.66	G1603-005C 204.66	1	18	625
0-200 psi	G2003-002C 204.66	G2003-005C 204.66	1	18	625
0-300 psi	G3003-002C 204.66	G3003-005C 204.66	1	18	625

EPDM Diaphragm

No Gauge	G0002-002C 123.12	G0002-005C 123.12	1	18	625
0-30 in-Hg	G30V2-002C 207.80	G30V2-005C 207.80	1	18	625
0-15 psi	G0152-002C 196.56	G0152-005C 196.56	1	18	625
0-30 psi	G0302-002C 196.56	G0302-005C 196.56	1	18	625
0-60 psi	G0602-002C 196.56	G0602-005C 196.56	1	18	625
0-100 psi	G1002-002C 196.56	G1002-005C 196.56	1	18	625
0-160 psi	G1602-002C 196.56	G1602-005C 196.56	1	18	625
0-200 psi	G2002-002C 196.56	G2002-005C 196.56	1	18	625
0-300 psi	G3002-002C 196.56	G3002-005C 196.56	1	18	625

PP GAUGE GUARDS

Size	1/4" Inlet Connection	1/2" Inlet Connection	Std Pk	Mstr Pk	Disc Code
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PTFE Diaphragm

No Gauge	G0004-002P 115.43	G0004-005P 115.43	1	18	626
0-30 in-Hg	G30V4-002P 177.34	G30V4-005P 177.34	1	18	626
0-15 psi	G0154-002P 168.66	G0154-005P 168.66	1	18	626
0-30 psi	G0304-002P 168.66	G0304-005P 168.66	1	18	626
0-60 psi	G0604-002P 168.66	G0604-005P 168.66	1	18	626
0-100 psi	G1004-002P 168.66	G1004-005P 168.66	1	18	626
0-160 psi	G1604-002P 168.66	G1604-005P 168.66	1	18	626
0-200 psi	G2004-002P 168.66	G2004-005P 168.66	1	18	626
0-300 psi	G3004-002P 168.66	G3004-005P 168.66	1	18	626

Viton® Diaphragm

No Gauge	G0003-002P 115.43	G0003-005P 115.43	1	18	626
0-30 in-Hg	G30V3-002P 177.34	G30V3-005P 177.34	1	18	626
0-15 psi	G0153-002P 168.66	G0153-005P 168.66	1	18	626
0-30 psi	G0303-002P 168.66	G0303-005P 168.66	1	18	626
0-60 psi	G0603-002P 168.66	G0603-005P 168.66	1	18	626
0-100 psi	G1003-002P 168.66	G1003-005P 168.66	1	18	626
0-160 psi	G1603-002P 168.66	G1603-005P 168.66	1	18	626
0-200 psi	G2003-002P 168.66	G2003-005P 168.66	1	18	626
0-300 psi	G3003-002P 168.66	G3003-005P 168.66	1	18	626

EPDM Diaphragm

No Gauge	G0002-002P 110.87	G0002-005P 110.87	1	18	626
0-30 in-Hg	G30V2-002P 170.22	G30V2-005P 170.22	1	18	626
0-15 psi	G0152-002P 161.98	G0152-005P 161.98	1	18	626
0-30 psi	G0302-002P 161.98	G0302-005P 161.98	1	18	626
0-60 psi	G0602-002P 161.98	G0602-005P 161.98	1	18	626
0-100 psi	G1002-002P 161.98	G1002-005P 161.98	1	18	626
0-160 psi	G1602-002P 161.98	G1602-005P 161.98	1	18	626
0-200 psi	G2002-002P 161.98	G2002-005P 161.98	1	18	626
0-300 psi	G3002-002P 161.98	G3002-005P 161.98	1	18	626

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Spears® Manufacturing Company



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Supplemental Information For All Valves

RECOMMENDATIONS FOR INSTALLERS AND USERS

Plastic piping systems should be ENGINEERED, INSTALLED, and OPERATED in accordance with ESTABLISHED DESIGN AND ENGINEERING STANDARDS AND PROCEDURES for plastic piping systems. Suitability for the intended service application should be determined by the installer and/or user prior to installation of a plastic piping system. PRIOR TO ASSEMBLY, all piping system components should be inspected for damage or irregularities. Mating components should be checked to assure that tolerances and engagements are compatible. Do not use any components that appear irregular or do not fit properly. Contact the appropriate manufacturer of the component product in question to determine usability. Consult all applicable codes and regulations for compliance prior to installation.

SOLVENT WELD CONNECTIONS — Use a quality grade of primer and solvent cement formulated for the type of connection, with the CORRECT SIZE APPLICATOR. Read and follow all of the solvent cement MANUFACTURER'S APPLICATION AND CURE TIME INSTRUCTIONS THOROUGHLY.

BEFORE APPLYING PRIMER AND CEMENT, appropriate safety precautions should be taken. Primer and Cement should be stored in the shade between 40°F and 110°F. Eliminate all ignition sources. Avoid breathing of vapors. Use only with adequate ventilation; explosion-proof general mechanical ventilation or local exhaust is recommended to maintain vapor concentrations below recommended exposure limits. In confined or partially enclosed areas, a NIOSH-approved organic vapor cartridge respirator with full face-piece is recommended. Containers should be kept tightly closed when not in use, and covered as much as possible when in use. Avoid frequent contact with skin; wearing PVA coated protective gloves and impervious apron are recommended. Avoid any contact with eyes; splash-proof chemical goggles are recommended.

THREADED CONNECTIONS — Use a quality grade thread sealant. WARNING: SOME PIPE JOINT COMPOUNDS OR TEFLON® PASTES MAY CONTAIN SUBSTANCES THAT COULD CAUSE STRESS CRACKING TO PLASTIC. Spears® Manufacturing Company recommends the use of Spears® **BLUE 75™** Thread Sealant which has been tested for compatibility with Spears® products. Please follow the sealant manufacturers' application/installation instructions. Choice of an appropriate thread sealant other than those listed above is at the discretion of the installer. 1 to 2 turns beyond FINGER TIGHT is generally all that is required to make a sound plastic threaded connection. Unnecessary OVER TIGHTENING will cause DAMAGE TO BOTH PIPE AND FITTING.

IMPORTANT

WATER HAMMER — Spears® Manufacturing Company, Inc., recommends that all PVC and CPVC plastic piping systems be designed and constructed to AVOID EXCESSIVE WATER HAMMER. Water hammer can cause damage, and failure to pipe, valves, and fittings within the piping system.

PLEASE NOTE — When temperatures rise above 73°F, the tensile strength of thermoplastics decreases, thereby de-rating the pipe or fitting Maximum Internal Pressure. When temperatures fall below 73°F, the tensile strength of thermoplastics increases, however, the impact strength decreases. Maximum operating temperatures for PVC piping systems should not exceed 140°F. Maximum operating temperatures for CPVC piping systems should not exceed 200°F.

CAUTION — Spears® Manufacturing Company DOES NOT RECOMMEND the use of thermoplastic piping products for systems to transport or store compressed air or gases, or the testing of thermoplastic piping systems with compressed air or gases in above and below ground locations. The use of Spears® products in compressed air or gas systems automatically voids Spears® warranty for such products, and their use against our recommendation is entirely the responsibility and liability of the installer. Spears® Manufacturing Company will not accept responsibility for damage or impairment of its products, or other consequential or incidental damages caused by misapplication, incorrect assembly, and/or exposure to harmful substances or conditions.

NOT FOR USE WITH COMPRESSED AIR OR GASES

WARNING: DO NOT USE COMPRESSED AIR OR GAS TO TEST ANY PVC OR CPVC THERMOPLASTIC PIPING PRODUCT OR SYSTEM, AND DO NOT USE DEVICES PROPELLED BY COMPRESSED AIR OR GAS TO CLEAR SYSTEMS. THESE PRACTICES MAY RESULT IN EXPLOSIVE FRAGMENTATION OF SYSTEM PIPING AND COMPONENTS CAUSING SERIOUS OR FATAL BODILY INJURY.

For precautions, warnings, detailed installation instructions, specifications and technical information, please refer to Spears® THERMOPLASTIC VALVES PRODUCT GUIDE & ENGINEERING SPECIFICATIONS (V-4).

NOT FOR USE WITH COMPRESSED AIR OR GAS

Supplemental Information For All Valves



ELECTRO SERIES ACTUATED BALL VALVES

Spears® offers an economical basic on/off Electro Series Ball Valve actuation Packages using Spears® True Union Ball Valve or Compact Ball Valve. See Price Schedule AV-1, *Actuated Valves*, for additional information and pricing.

CUSTOM ACTUATED VALVE PACKAGES

Spears® offers both electric and pneumatic custom actuation packages for industrial Ball Valves, Butterfly Valves and Diaphragm Valves. These fully actuated packages include valve, mounting, coupling and precision actuator assembled and ready for installation. Due to the wide variety of actuation requirements, options and accessories, each package is custom tailored to customer needs and specifications.

Contact Spears® Technical Services Department for additional information or assistance. See Spears® Price Schedule AV-1, *Actuated Valves*, for pricing, and Publication AV-4, *Actuated Thermoplastic Valves Product Guide & Engineering Specifications*, for technical data.

STANDARDS & SPECIFICATIONS

Standards provide greater assurance of product performance and consistency, and are available to assist design engineers in system specification. The most frequently referenced industry standards for plastic piping systems are ASTM Standard Specifications and Practices. Along with ASTM Standards, additional product specifications and certifications form the basis of product conformance to which Spears® products are manufactured. For additional product specific information, see Spears® Thermoplastic Valves and Accessories Product Guide & Engineering Specifications publication V-4, or contact Spears® Technical Services Department.

SPEARS® QUALITY POLICY

It is the policy and objective of Spears® Manufacturing Company to produce a superior quality product suitable for its intended use, with regard to functionality, structural integrity, and conformance to established industry standards and practices. It is the commitment of this Company to do so in a manner which provides consistency of product quality, optimum availability, and superior customer service, while maintaining efficiency of operations and profitability necessary to perpetuate product improvement and customer satisfaction. Furthermore, it is recognized that the attainment of these objectives is the responsibility of all Company operations and personnel according to their respective functions.

Prices subject to change without notice. Possession of this price schedule shall not be construed as an offer to sell the products listed. Product drawings and/or photographs are representative and may not fully reflect product configurations.

Watch for New Product Announcements from Spears® Innovation and Technology



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