

- Discount Code(s): 004 Miscellaneous Specialty Valves PVC CPVC _____
 070 CPVC Fire Sprinkler Fittings _____
 071 CPVC Fire Sprinkler Pipe _____
 072 Fire Sprinkler Primer & Cement _____
 073 Applicators & Empty Cans _____
 076 CPVC Fire Sprinkler Fittings w/Metal Inserts _____
 079 FlameGuard™ CPVC Custom _____
 895 **BLUE 75™** Thread Sealant _____
 901 Miscellaneous Components _____

Item prices may have changed from those shown in this sheet. See Spears® On-line Catalog for most current pricing, updated daily.



FlameGuard™ CPVC FIRE SPRINKLER PIPING PRODUCTS



Quality Systems Certificate No. 293
 Corporate Facilities, Sylmar, CA
 Assessed to ISO 9001: 2008

Visit our web site:
www.spearsmfg.com

PRICE SCHEDULE FG-1-1009A
 Effective October 26, 2009
 Supersedes FG-1-1009



FlameGuard™ CPVC Fire Sprinkler Piping Products

SPEARS® Patented SR Design Sprinkler Head Adapters



SPEARS® Patented Special Reinforced (SR) plastic female thread design is one of the most significant advancements in the use of CPVC Fire Sprinkler System threaded fittings. Not just an added ring, this unique precompression design compensates for expansion forces generated from tapered pipe thread joint make-up. Radial stress is no longer a problem in normal installations and easily managed in severe over-tightening situations.

Contains and Compensates for Radial Stress...

Radial stress, generated by tightening of tapered pipe threads, exerts tremendous expansion force on female plastic thread fittings. When subjected to over-tightening - even accidentally - these forces can literally split the fitting. Spears® patented SR Adapter design not only alleviates this problem by containing expansion forces with its special reinforced collar, but additionally compensates for expansion stress through thermoplastic material compression. Stresses are equalized at normal joint make-up.



FlameGuard™ TorqueSafe™ GASKET SEALED HEAD ADAPTER

The CPVC Fire Sprinkler Head Adapter You've Been Waiting For...

- Eliminates Radial Stress
- Requires NO Thread Sealants
- Eliminates Sealant Incompatibility
- Prevents Over Tightening
- Provides Easy Frame Alignment
- UL® Listed, FM Approved

Compatible with all Brands of Approved CPVC Fire Sprinkler Products

Spears® TorqueSafe™ revolutionary design features a special molded-in-place Brass Thread Insert fitted with an elastomer gasket seal at the base of the threads. The gasket seal allows a modified thread design that eliminates radial stress and associated problems typical with tapered thread joint make up. The insert is designed to rotate during head installation for easy sprinkler frame alignment without over tightening!

Training Requirements: Due to the unique advantages of this product, Spears® requires and will provide contractor training free of charge prior to sale and use of the TorqueSafe™ product. Contact your nearest Spears® Regional Distribution Center for details.

NOT FOR USE WITH COMPRESSED AIR OR GAS

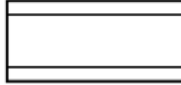
Spears® Manufacturing Company

FlameGuard™ CPVC Fire Sprinkler Piping Products



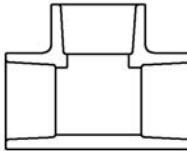
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Pipe
SDR 13.5, 15' Lengths, Price Per Foot



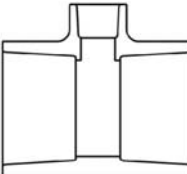
CP-007	3/4	390	0	071	1.69
CP-010	1	255	0	071	2.61
CP-012	1-1/4	135	0	071	4.09
CP-015	1-1/2	105	0	071	5.65
CP-020	2	75	0	071	8.45
CP-025	2-1/2	60	0	071	12.90
CP-030	3	45	0	071	19.60
List Price Per Foot					

Tee
Socket x Socket x Socket



4201-007	3/4	20	220	070	3.54
4201-010	1	15	120	070	7.18
4201-012	1-1/4	10	0	070	10.73
4201-015	1-1/2	10	0	070	15.78
4201-020	2	10	0	070	23.29
4201-025	2-1/2	10	0	070	37.95
4201-030	3	5	0	070	44.69

Reducing Tee
Socket x Socket x Socket



4201-102	3/4X1	20	0	070	6.06
4201-125	1X3/4X3/4	15	150	070	6.06
4201-126	1X3/4X1	15	0	070	6.06
4201-131	1X3/4	20	0	070	6.06
4201-157	1-1/4X1X3/4	15	0	070	11.19
4201-158	1-1/4X1X1	15	0	070	11.19
4201-159	1-1/4X1X1-1/4	15	0	070	11.19
4201-167	1-1/4X3/4	15	0	070	11.19
4201-168	1-1/4X1	15	0	070	11.19
4201-169	1-1/4X1-1/2	10	0	070	13.51
4201-201	1-1/2X1-1/4X3/4	10	0	070	13.51
4201-202	1-1/2X1-1/4X1	10	0	070	13.51
4201-210	1-1/2X3/4	15	0	070	13.51
4201-211	1-1/2X1	10	0	070	13.51
4201-212	1-1/2X1-1/4	10	0	070	13.51

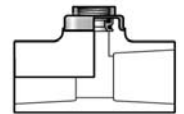
Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
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Reducing Tee
Socket x Socket x Socket (continued)

4201-213	1-1/2X2	10	0	070	21.44
4201-248	2X3/4	10	0	070	21.44
4201-249	2X1	10	0	070	21.44
4201-250	2X1-1/4	10	0	070	21.44
4201-251	2X1-1/2	10	0	070	21.44
4201-289	2-1/2X1	10	0	070	29.48
4201-290	2-1/2X1-1/4	10	0	070	29.48
4201-291	2-1/2X1-1/2	10	0	070	29.48
4201-292 ¹	2-1/2X2	10	0	070	29.48
4201-335	3X1	5	0	070	34.02
4201-336 ¹	3X1-1/4	5	0	070	34.02
4201-337 ¹	3X1-1/2	5	0	070	34.02
4201-338	3X2	5	0	070	34.02
4201-339	3X2-1/2	5	0	070	34.02

¹Outlet sized with Bushing

TorqueSafe™ Sprinkler Head Tee - Gasket Sealed Brass Thread Insert Style
Socket x Socket x Gasket FIPT With Elastomer Seal - Use NO Thread Sealant

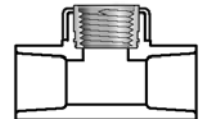


4202-101 G	3/4X1/2	50	0	076	13.14
4202-124 G	1X3/4X1/2	50	0	076	14.18
4202-130 G	1X1/2	50	0	076	14.18
4202-166 G	1-1/4X1/2	15	0	076	23.65
4202-209 G	1-1/2X1/2	10	0	076	31.15
4202-247 G	2X1/2	10	0	076	43.93

FIPT With Elastomer Seal - Use NO Thread Sealant

Not intended to convey or dispense water for human consumption through drinking or cooking

Sprinkler Head Tee - Brass Thread Insert Style
Socket x Socket x FIPT



4202-101	3/4X1/2	50	0	076	13.14
4202-124	1X3/4X1/2	50	0	076	14.18
4202-130	1X1/2	50	0	076	14.18
4202-010	1	10	40	076	36.47

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FlameGuard™ CPVC Fire Sprinkler Piping Products

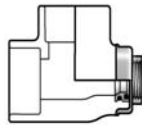
Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
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Sprinkler Head Tee - Brass Thread Insert Style Socket x Socket x FIPT (continued)

4202-156	1-1/4X1X1/2	15	0	076	23.65
4202-166	1-1/4X1/2	15	0	076	23.65
4202-199	1-1/2X1-1/4X1/2	10	0	076	31.15
4202-209	1-1/2X1/2	10	0	076	31.15
4202-237	2X1-1/2X1/2	10	0	076	43.93
4202-247	2X1/2	10	0	076	43.93

Not intended to convey or dispense water for human consumption through drinking or cooking

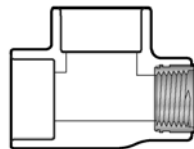
TorqueSafe™ Sprinkler Head Tee - Gasket Sealed Brass Thread Insert Style Socket x Gasket FIPT x Socket With Elastomer Seal - Use NO Thread Sealant



4203-122 G	1X1/2X1	50	0	076	23.29
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FIPT With Elastomer Seal - Use NO Thread Sealant
Not intended to convey or dispense water for human consumption through drinking or cooking

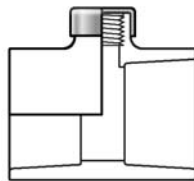
Sprinkler Head Tee - Brass Thread Insert Style Socket x FIPT x Socket



4203-122	1X1/2X1	50	0	076	23.29
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Not intended to convey or dispense water for human consumption through drinking or cooking

Sprinkler Head Tee - Special Reinforced Plastic Thread Style Socket x Socket x SR FIPT - Stainless Steel Collar



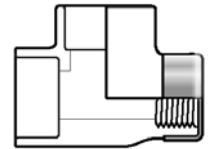
4202-010SR	1	15	0	076	19.38
4202-101SR	3/4X1/2	50	0	076	6.99
4202-124SR	1X3/4X1/2	50	0	076	7.55

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
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Sprinkler Head Tee - Special Reinforced Plastic Thread Style Socket x Socket x SR FIPT - Stainless Steel Collar (continued)

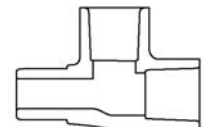
4202-130SR	1X1/2	50	0	076	7.55
4202-156SR	1-1/4X1X1/2	15	0	076	12.59
4202-166SR	1-1/4X1/2	15	0	076	12.59
4202-168SR	1-1/4X1	15	0	076	27.06
4202-199SR	1-1/2X1-1/4X1/2	10	0	076	16.57
4202-209SR	1-1/2X1/2	25	0	076	16.57
4202-211SR	1-1/2X1-1/2X1	10	0	076	16.57
4202-237SR	2X1-1/2X1/2	10	0	076	23.38
4202-247SR	2X1/2	10	0	076	23.38
4202-287SR	2-1/2X1/2	10	0	076	32.04

Sprinkler Head Tee - Special Reinforced Plastic Thread Style Socket x SR FIPT x Socket - Stainless Steel Collar



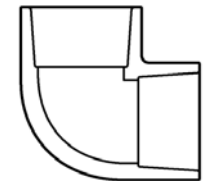
4203-122SR	1X1/2X1	50	0	076	8.11
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Street Tee Spigot x Socket x Socket



4244-007	3/4	15	105	070	6.32
4244-010	1	15	0	070	8.43
4244-012	1-1/4	10	0	070	15.31
4244-015	1-1/2	10	0	070	18.53
4244-020	2	10	0	070	27.40

90° EII Socket x Socket



4206-007	3/4	30	300	070	2.61
4206-010	1	20	200	070	5.80
4206-012	1-1/4	10	100	070	7.41
4206-015	1-1/2	10	0	070	10.35

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FlameGuard™ CPVC Fire Sprinkler Piping Products



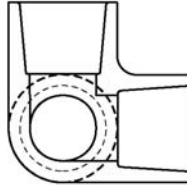
Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
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90° EII

Socket x Socket (continued)

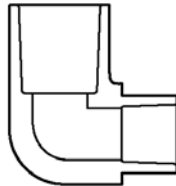
4206-020	2	25	0	070	12.80
4206-025	2-1/2	5	0	070	24.70
4206-030	3	5	0	070	33.69

Side Outlet EII Socket x Socket x Socket



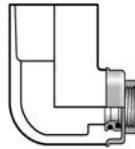
4213-007	3/4	50	0	070	8.50
4213-010	1	25	0	070	11.59

90° Reducing EII Socket x Socket



4206-131	1X3/4	20	240	070	5.14
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TorqueSafe™ 90° Sprinkler Head Elbow - Gasket Sealed Brass Thread Insert Style Socket x Gasket FIPT With Elastomer Seal - Use NO Thread Sealant



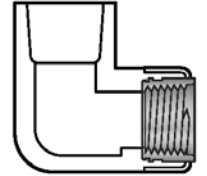
4207-101 G	3/4X1/2	20	120	076	8.68
4207-130 G	1X1/2	15	90	076	12.20
4207-166 G	1-1/4X1/2	10	60	076	16.99

FIPT With Elastomer Seal - Use NO Thread Sealant

Not intended to convey or dispense water for human consumption through drinking or cooking

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
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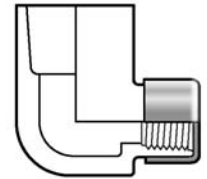
Sprinkler Head 90° EII - Brass Thread Insert Style Socket x FIPT



4207-101	3/4X1/2	20	120	076	8.68
4207-130	1X1/2	15	90	076	12.20
4207-131	1X3/4	25	0	076	14.76
4207-166	1-1/4X1/2	10	60	076	16.99

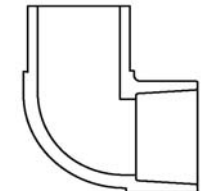
Not intended to convey or dispense water for human consumption through drinking or cooking

Sprinkler Head 90° EII - Special Reinforced Plastic Thread Style Socket x SR FIPT - Stainless Steel Collar



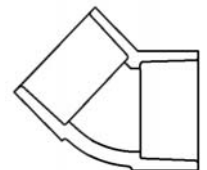
4207-101SR	3/4X1/2	20	180	076	4.61
4207-130SR	1X1/2	10	150	076	6.50
4207-131SR	1X3/4	50	0	076	7.86
4207-166SR	1-1/4X1/2	25	0	076	8.26

90° Street EII Spigot x Socket



4209-007	3/4	50	0	070	5.67
4209-010	1	50	0	070	8.38
4209-012	1-1/4	25	0	070	13.78
4209-015	1-1/2	10	0	070	16.79
4209-020	2	25	0	070	24.72

45° EII Socket x Socket



4217-007	3/4	20	360	070	3.54
4217-010	1	15	240	070	4.21
4217-012	1-1/4	10	120	070	6.17
4217-015	1-1/2	10	0	070	8.48
4217-020	2	10	0	070	10.67
4217-025	2-1/2	5	0	070	19.01
4217-030	3	5	0	070	27.49

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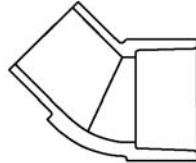
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FlameGuard™ CPVC Fire Sprinkler Piping Products

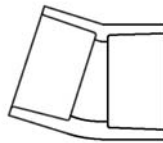
Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
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**45° Street Ell
Spigot x Socket**



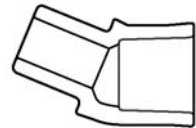
4227-010	1	50	0	070	4.21
4227-012	1-1/4	25	0	070	6.17
4227-015	1-1/2	25	0	070	7.63
4227-020	2	20	0	070	10.67

**22-1/2° Ell
Socket**



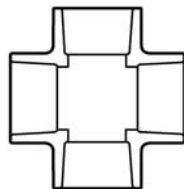
4216-007	3/4	20	360	070	4.24
4216-010	1	20	240	070	5.47
4216-012	1-1/4	20	0	070	7.40
4216-015	1-1/2	20	0	070	10.17
4216-020	2	20	0	070	12.59
4216-025	2-1/2	5	0	070	25.86
4216-030	3	5	0	070	32.78

**22-1/2° Street Ell
Spigot x Socket**



4242-007	3/4	50	0	070	4.45
4242-010	1	50	0	070	5.73
4242-012	1-1/4	20	0	070	7.79
4242-015	1-1/2	25	0	070	10.69
4242-020	2	20	0	070	13.23
4242-025	2-1/2	5	0	070	18.55
4242-030	3	5	0	070	26.57

**Cross
Socket x Socket x Socket x Socket**



4220-007	3/4	20	0	070	5.59
4220-010	1	15	0	070	6.98
4220-012	1-1/4	10	0	070	9.73
4220-015	1-1/2	10	0	070	13.28

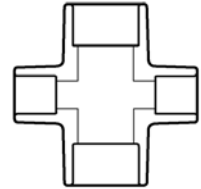
Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
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Cross

Socket x Socket x Socket x Socket (continued)

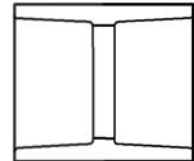
4220-020	2	8	0	070	21.63
4220-025	2-1/2	5	0	070	47.54
4220-030	3	5	0	070	69.72

**Reducing Cross
Socket x Socket x Socket x Socket**



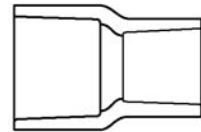
4220-131	1X3/4	20	0	070	7.54
4220-167	1-1/4X3/4	25	0	070	11.65
4220-289	2-1/2X1	15	0	070	30.07

**Coupling
Socket x Socket**



4229-007	3/4	25	500	070	2.55
4229-010	1	25	250	070	3.26
4229-012	1-1/4	10	160	070	4.89
4229-015	1-1/2	10	100	070	6.98
4229-020	2	20	0	070	9.41
4229-025	2-1/2	10	0	070	14.34
4229-030	3	5	0	070	18.65

**Reducer Coupling
Socket x Socket**



4229-131	1X3/4	15	270	070	3.26
4229-167	1-1/4X3/4	25	0	070	5.06
4229-168	1-1/4X1	10	140	070	4.89
4229-210	1-1/2X3/4	25	0	070	7.54
4229-211	1-1/2X1	10	70	070	7.33
4229-212	1-1/2X1-1/4	10	120	070	6.98
4229-248	2X3/4	10	80	070	9.83
4229-249	2X1	10	60	070	9.83
4229-250	2X1-1/4	10	60	070	9.59

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Spears® Manufacturing Company

FlameGuard™ CPVC Fire Sprinkler Piping Products

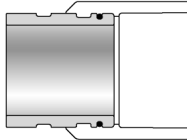


Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
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Reducer Coupling Socket x Socket (continued)

4229-251	2X1-1/2	10	100	070	9.41
4229-291	2-1/2X1-1/2	10	0	070	14.49
4229-292	2-1/2X2	10	0	070	14.85

Grooved Coupling Adapter Brass Groove End x Socket



4233-012	1-1/4	10	40	076	97.98
4233-015	1-1/2	10	40	076	103.84
4233-020	2	8	32	076	120.27
4233-025	2-1/2	5	0	070	154.27
4233-030	3	5	0	070	171.50

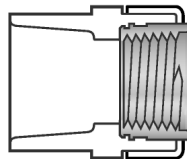
Not intended to convey or dispense water for human consumption through drinking or cooking

Male Adapter MIPT x Socket



4236-007	3/4	40	160	076	20.87
4236-010	1	10	60	076	24.60
4236-012	1-1/4	10	60	076	27.11
4236-015	1-1/2	10	40	076	29.85
4236-020	2	8	32	076	40.95

Female Adapter - Brass Thread Insert Style Socket x FIPT

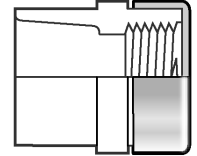


4235-007	3/4	15	90	076	17.32
4235-010	1	15	90	076	30.39
4235-012	1-1/4	15	60	076	49.54
4235-015	1-1/2	10	40	076	66.09
4235-020	2	8	32	076	82.83

Not intended to convey or dispense water for human consumption through drinking or cooking

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
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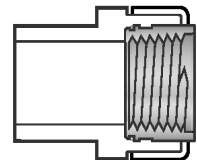
Female Adapter - Special Reinforced Plastic Thread Style Socket x SR FIPT - Stainless Steel Collar



4235-007SR	3/4	25	300	076	8.22
4235-010SR ¹	1	25	200	076	14.45
4235-012SR	1-1/4	10	60	076	23.52

¹Zinc Collar

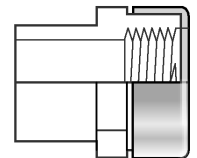
Spigot Female Adapter - Brass Thread Insert Style Spigot x FIPT



4278-007	3/4	25	150	076	16.20
4278-010	1	15	90	076	28.85

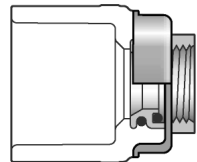
Not intended to convey or dispense water for human consumption through drinking or cooking

Spigot Female Adapter - Special Reinforced Plastic Thread Style Spigot x SR FIPT - Stainless Steel Collar



4278-007SR	3/4	25	300	076	8.63
4278-010SR	1	50	0	076	15.36

TorqueSafe™ Female Sprinkler Head Adapter - Gasket Sealed Brass Thread Insert Style Socket x Gasket FIPT



4235-101 G	3/4X1/2	50	0	076	9.46
4235-130GS	1X1/2	50	0	076	13.54
4235-131 G	1X3/4	50	0	076	15.96

FIPT With Elastomer Seal - Use NO Thread Sealant

Not intended to convey or dispense water for human consumption through drinking or cooking

NOT FOR USE WITH COMPRESSED AIR OR GAS

Made in the U.S.A.

Progressive Products from Spears® Innovation and Technology

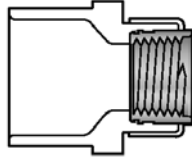
Page 6



FlameGuard™ CPVC Fire Sprinkler Piping Products

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
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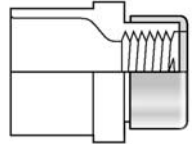
Female Sprinkler Head Adapter - Brass Thread Insert Style
Socket x FIPT



4235-101	3/4X1/2	50	0	076	9.46
4235-130	1X1/2	50	0	076	10.10
4235-131	1X3/4	50	0	076	15.96

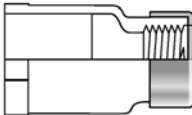
Not intended to convey or dispense water for human consumption through drinking or cooking

Female Sprinkler Head Adapter - Special Reinforced Plastic Thread Style
Socket x SR FIPT - Stainless Steel Collar



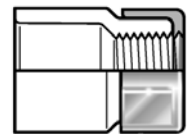
4235-101SR	3/4X1/2	50	200	076	5.02
4235-130SR	1X1/2	50	0	076	5.37
4235-131SR	1X3/4	50	0	076	8.50

Female Sprinkler Head Adapter - Special Reinforced Plastic Thread Style with Socket Body Wrench Flats
Socket x SR FIPT - Stainless Steel Collar



W4235-101SR	3/4X1/2	50	0	076	5.73
W4235-130SR	1X1/2	50	0	076	6.13

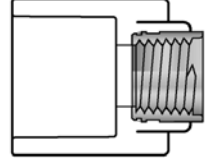
Female Sprinkler Head Adapter - Special Reinforced Plastic Thread with Metal Thread Start
Socket x SR FIPT - Zinc Collar



Z4235-101SR	3/4X1/2	50	200	076	5.02
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Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
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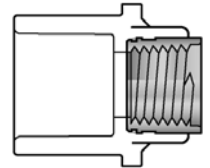
Female Sprinkler Head Adapter - Brass Thread Insert Style with Long Body
Socket x FIPT



L4235-130	1X1/2	50	0	076	14.32
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Not intended to convey or dispense water for human consumption through drinking or cooking

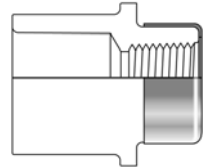
Female Sprinkler Head Adapter - Brass Thread Insert Style with Positioning Ring
Socket x FIPT



R4235-101	3/4X1/2	50	0	076	9.46
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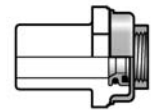
Not intended to convey or dispense water for human consumption through drinking or cooking

Female Sprinkler Head Adapter - Special Reinforced Plastic Thread Style with Positioning Ring
Socket x SR FIPT - Stainless Steel Collar



R4235-101SR	3/4X1/2	25	300	076	5.67
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TorqueSafe™ Female Spigot Sprinkler Head Adapters - Gasket Sealed Brass Thread Insert Style
Spigot x Gasket FIPT x Socket With Elastomer Seal - Use NO Thread Sealant



4238-101 G	3/4X1/2	50	0	076	9.46
4238-130 G	1X1/2	50	0	076	10.10

FIPT With Elastomer Seal - Use NO Thread Sealant
Not intended to convey or dispense water for human consumption through drinking or cooking

NOT FOR USE WITH COMPRESSED AIR OR GAS

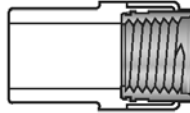
Spears® Manufacturing Company

FlameGuard™ CPVC Fire Sprinkler Piping Products



Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
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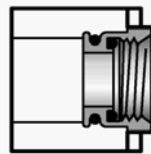
Spigot Female Sprinkler Head Adapters - Brass Thread Insert Style
Spigot x FIPT



4238-101	3/4X1/2	50	0	076	9.46
4238-130	1X1/2	50	0	076	10.10

Not intended to convey or dispense water for human consumption through drinking or cooking

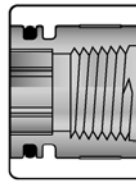
TorqueSafe™ Bushing - Gasket Sealed Brass Thread Insert Style
Spigot x Gasket FIPT With Elastomer Seal - Use NO Thread Sealant



4238-130BR G	1X1/2	50	300	076	13.07
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Not intended to convey or dispense water for human consumption through drinking or cooking

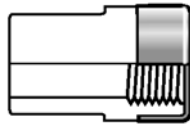
Bushing - with Brass Thread Insert
Spigot x FIPT



4238-130BR	1X1/2	50	300	076	13.07
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Not intended to convey or dispense water for human consumption through drinking or cooking

Spigot Female Sprinkler Head Adapters - Special Reinforced Plastic Threaded Style
Spigot x SR FIPT - Stainless Steel Collar



4238-101SR	3/4X1/2	50	400	076	5.02
4238-130SR	1X1/2	50	0	076	5.43

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
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Adjustable Sprinkler Head Adapters - Special Reinforced Plastic Thread Style
Socket x SR FIPT - Zinc Collar



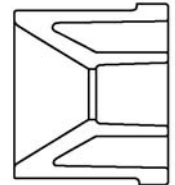
42001SR	3/4X1/2	12	0	076	12.82
42011SR	1X1/2	12	0	076	12.82

Adjustable Sprinkler Head Adapters - Special Reinforced Plastic Thread Style
Spigot x SR FIPT - Zinc Collar



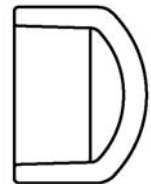
42004SR	3/4X1/2	12	0	076	12.82
42014SR	1X1/2	12	0	076	12.82

Reducer Bushing - Flush Style
Spigot x Socket



4237-131	1X3/4	50	700	070	1.98
4237-167	1-1/4X3/4	25	200	070	3.11
4237-168	1-1/4X1	25	350	070	3.11
4237-210	1-1/2X3/4	25	125	070	3.50
4237-211	1-1/2X1	25	150	070	3.50
4237-212	1-1/2X1-1/4	25	300	070	3.50
4237-248	2X3/4	10	160	070	5.13
4237-249	2X1	10	160	070	5.13
4237-250	2X1-1/4	10	160	070	5.13
4237-251	2X1-1/2	10	160	070	5.13
4237-290	2-1/2X1-1/4	10	0	070	8.87
4237-291	2-1/2X1-1/2	10	0	070	8.87
4237-292	2-1/2X2	15	0	070	8.87
4237-338	3X2	10	0	070	13.28
4237-339	3X2-1/2	10	0	070	13.28

Cap Socket



4247-007	3/4	25	400	070	1.54
4247-010	1	25	450	070	2.22



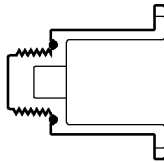
FlameGuard™ CPVC Fire Sprinkler Piping Products

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
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Cap
Socket (continued)

4247-012	1-1/4	10	120	070	3.50
4247-015	1-1/2	10	160	070	4.85
4247-020	2	10	60	070	7.39
4247-025	2-1/2	5	40	070	10.49
4247-030	3	5	0	070	17.16

Test Plug - O-ring Sealed
MIPT - For Pressure Testing Only. NOT for use with Z4235 Series or Gasket Sealed Adapters



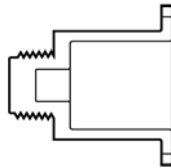
FTP-005	1/2	50	400	079	1.69
DO NOT use with Tape or Paste thread sealants					

Test Plug Replacement O-ring
Buna-N, For O-ring Sealed Test Plug Only



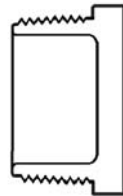
B-116	116	100	0	901	.11
For Use With FTP-005 Test Plug					

Test Plug for TorqueSafe™
Gasket Sealed Head Adapters
MIPT - For Pressure Testing Only. Use ONLY with Gasket Sealed Head Adapters



FTP-005GS	1/2	50	400	079	1.69
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Test Plug - White PVC
MIPT - For Pressure Testing Only



4250-005	1/2	50	400	070	1.67
Requires use of a thread sealant					

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
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Flange
Socket - 4 Bolt Holes - 150 lb.



4251-007	3/4	25	0	070	5.50
4251-010	1	15	0	070	7.31
4251-012	1-1/4	15	0	070	9.41
4251-015	1-1/2	15	0	070	10.91
4251-020	2	10	0	070	16.67
4251-025	2-1/2	10	0	070	28.21

Flange - Van Stone Style
Socket - 4 Bolt Holes - 150 lb.



4254-030	3	10	0	070	34.67
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Blind Flange
4 Bolt Holes - 150 lb.



4253-007	3/4	25	0	070	5.50
4253-010	1	15	0	070	7.82
4253-012	1-1/4	15	0	070	9.99
4253-015	1-1/2	15	0	070	11.23
4253-020	2	10	0	070	18.38
4253-025	2-1/2	10	0	070	29.55
4253-030	3	10	0	070	32.46

Flange - Van Stone Style
Spigot - 4 Bolt Holes - 150 lb.



4256-007	3/4	25	0	070	5.67
4256-010	1	15	0	070	8.00
4256-012	1-1/4	15	0	070	10.23
4256-015	1-1/2	15	0	070	11.49
4256-020	2	10	0	070	18.73
4256-025	2-1/2	10	0	070	29.96
4256-030	3	10	0	070	34.96

NOT FOR USE WITH COMPRESSED AIR OR GAS

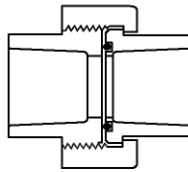
Spears® Manufacturing Company

FlameGuard™ CPVC Fire Sprinkler Piping Products



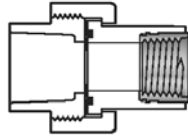
Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
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Union Socket x Socket



4257-007	3/4	10	80	070	7.09
4257-010	1	10	40	070	12.85
4257-012	1-1/4	5	20	070	16.82
4257-015	1-1/2	5	0	070	19.94
4257-020	2	5	0	070	32.77

Transition Union - Metal Thread Insert Style Socket x FIPT



4259-010BR	1	10	0	076	44.66
4259-012BR	1-1/4	5	20	076	65.48
4259-015BR	1-1/2	5	0	076	93.05
4259-020BR	2	5	0	076	137.22

Not intended to convey or dispense water for human consumption through drinking or cooking

Blue 75™ Thread Sealant



SB75-005	1/4 Pint	24	0	895	9.34
SB75-010	1/2 Pint	24	0	895	14.88
SB75-020	Pint	12	0	895	24.05
SB75-030	Quart	12	0	895	43.23

FS5 One-Step Cement



FS5-020	PINT	12	0	072	23.72
FS5-030	QUART	12	0	072	43.51

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
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Accessories Empty Can



MT-654*	Pint	12	0	073	6.21
MT-651*	Quart	12	0	073	7.01
MT-653**	Quart, TT Paint Type	12	0	073	7.01
* 1-3/4" Screw Neck, for pipe size 3/4" - 2"					
**TT Paint Type, for pipe size 3"					

Brush



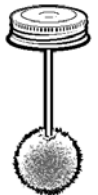
PB1*	1"	100	0	073	8.49
* 1" Brush Cap w/1-3/4" Screw Cap, for pipe size 3/4" - 2"					

Roller



3020	2" Dia. x 3" Length	24	0	073	13.46
2" Diameter fits TT Paint Type Can, for pipe size 3" or larger					

Dauber



DP-75*	3/4" Diameter	100	0	073	1.10
DP-150**	1-1/2" Diameter	800	0	073	1.23
DQ-150***	1-1/2" Diameter	800	0	073	1.23

* 3/4" Diameter fits Pint Cans, for pipe size 3/4"

** 1-1/2" Diameter fits Pint Cans, for pipe size 1-1/2"

***1-1/2" Diameter fits Quart Cans, for pipe size 1-1/2"



FlameGuard™ CPVC Fire Sprinkler Piping Products

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
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Can-Mate Dauber

CM-75*	3/4" Diameter	50	0	073	4.71
CM-150**	1-1/2" Diameter	50	0	073	4.71

* 3/4" Diameter fits Pint or Quart Cans, for pipe sizes 3/4" - 1-1/4"
 ** 1-1/2" Diameter fits Pint or Quart Cans, for pipe sizes 1-1/2" - 3"

NOT FOR USE WITH COMPRESSED AIR OR GAS

Spears® Manufacturing Company

FlameGuard™ CPVC Fire Sprinkler Piping Products



FlameGuard™ CPVC Drain & Check Valves For NFPA 13D Applications Only

Application: FlameGuard™ CPVC Orange Check Valves and PVC/CPVC True Union Drain Valves are for use in configuring CPVC Fire Sprinkler System connection to water supply (riser/drain assembly) in NFPA 13D installations only. These valves are not UL Listed and NOT for use in any other locations within the fire sprinkler system.

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
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True Union Drain Valves PVC Valve with CPVC End Connector Socket x Socket



3622-007FG	3/4	1	18	004	42.00
3622-010FG	1	1	12	004	50.03
Not UL Listed					

General Installation Information: Socket end connections should be installed using Spears® FS-5 One-Step Cement for use with Spears® CPVC Fire Sprinkler Products. Threaded connections should be made using Spears® **BLUE 75™** Thread Sealant tested for compatibility with CPVC materials. PVC True Union Drain Valves are to be installed with system connection to Valve CPVC End Connector. Swing check valves are designed for horizontal installations, but may be installed in up-flow only vertical position. Check valves **MUST** be installed with the valve's FLOW arrow pointing in the direction of the flow. Do not install valve upside down.

CPVC Check Valves Socket x Socket



S1520-10CO	1	20	0	004	28.68
S1520-12CO	1-1/4	12	0	004	32.05
S1520-15CO	1-1/2	12	0	004	36.04
Not UL Listed					

CPVC Special Reinforced Thread Inlet Check Valves SR Fipt x Socket



S1520-10FSRSCO	1	20	0	004	31.06
S1520-12FSRSCO	1-1/4	12	0	004	35.86
S1520-15FSRSCO	1-1/2	12	0	004	42.54
Not UL Listed					

NOT FOR USE WITH COMPRESSED AIR OR GAS



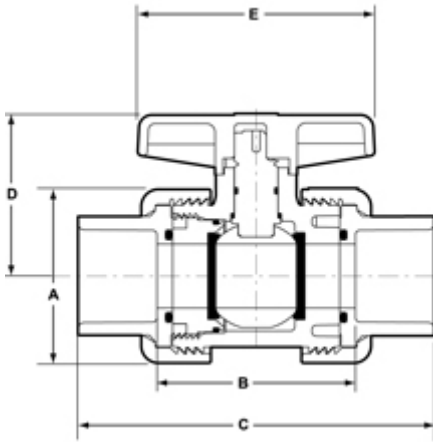
FlameGuard™ CPVC Fire Sprinkler Piping Products

FlameGuard™ CPVC Drain & Check Valves For NFPA 13D Applications Only

Specifications

Drain Valve:

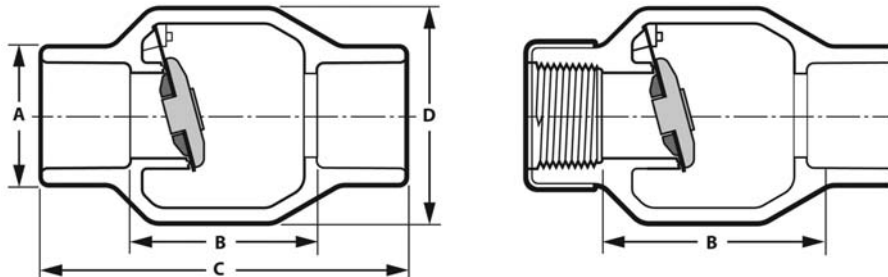
Nominal Size Range	3/4", 1"
Type	1/4-Turn Ball Valve, True Union Style
Material	PVC w/CPVC Orange End Connector
Seats	PTFE/HDPE
Seals	EPDM
Handle	Polypropylene, Red
End Connections	Socket x Socket



Socket x Socket Part Number	Nominal Size	Dimension Reference (inches, ± 1/16)				
		A	B	C	D	E
3622-007FG	3/4	2-1/4	2-3/4	4-3/4	2	3
3622-010FG	1	2-1/2	2-7/8	5-1/8	2-5/16	3-7/16

Check Valve:

Nominal Size Range	1", 1-1/4", 1-1/2"
Type	Swing Check, Maintenance-free Sealed Unit
Material	CPVC, Orange
Seat	EPDM
End Connections	Socket x Socket Special Reinforced (SR) Female Plastic Thread Inlet x Socket



Socket x Socket Part Number	SR Thread x Socket Part Number	Nominal Size	Dimension Reference (inches, ± 1/16)					C _v (GPM)
			A	B		C	D	
				Socket	SR Thread			
S1520-10CO	S1520-10FSRSCO	1	1-11/16	2-5/16	2-15/16	4-9/16	2-5/8	33
S1520-12CO	S1520-12FSRSCO	1-1/4	2-1/16	2-15/16	3-5/8	5-1/2	3-3/8	42
S1520-15CO	S1520-15FSRSCO	1-1/2	2-7/16	3	3-11/16	5-5/8	3-3/8	89

NOT FOR USE WITH COMPRESSED AIR OR GAS

Spears® Manufacturing Company

FlameGuard™ CPVC Fire Sprinkler Piping Products



LIMITED LIFETIME WARRANTY

Except as otherwise mandated by law or herein provided, Spears® Manufacturing Company ("Company") warrants Standard Catalog Products ("Products") which have been directly manufactured by them to be free from defects in material and workmanship for as long as the original intended end user of the Products ("End User") retains ownership and possession of the Products and complies with this Warranty ("Warranty Period"). Each other person or entity acquiring or employing the Products, including buyers, contractors and installers ("Buyer") and End Users ("Buyer/End User") agrees that this Warranty shall be effective only during the Warranty Period so long as the Products are used solely for the normal purposes for which they are intended and in conformance with industry established standards, engineering, installation, operating, and maintenance specifications, recommendations and instructions including explicit instructions by the Company; the Products are properly installed, operated and used, and have not been modified; and all the other terms of this Warranty are complied with. Any violation thereof shall void this Warranty and relieve Company from all obligations arising from this Warranty and the Products.

Upon receipt or discovery of any Products that appear questionable or defective each Buyer/End User shall promptly inspect and return any such Product to the Company at 15853 Olden Street, Sylmar, California 91342, accompanied by a letter stating the nature of any problems. If the Products are determined by Company to be defective in materials or workmanship directly provided by Company, Company, at its sole option, may either repair or replace the defective Products, or reimburse applicable Buyer/End User for the cost of such Products. The applicable Buyer/End User shall bear all applicable shipping costs. THIS SHALL BE BUYERS/END USERS' SOLE REMEDY. EACH BUYER/END USER AGREES THAT COMPANY WILL NOT BE RESPONSIBLE FOR ANY OTHER OBLIGATIONS RELATING TO THE PRODUCTS, INCLUDING ANY OTHER MATERIALS OR LABOR COSTS, LOSS OF USE OR ANY OTHER ITEM OR FOR ANY DELAYS IN COMPLYING WITH THIS WARRANTY BEYOND COMPANY'S REASONABLE CONTROL.

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COMPANY EXTENDS ONLY THIS WARRANTY AND EXPLICITLY DISCLAIMS ALL OTHER WARRANTIES, WHETHER IMPLIED OR OTHERWISE EXPRESSED, WHETHER ORAL, STATUTORY OR OTHERWISE, INCLUDING ANY IMPLIED WARRANTIES OR AFFIRMATIONS FOR SUITABILITY, MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. NO AFFIRMATION BY COMPANY OR ANY OF ITS REPRESENTATIVES, BY WORDS, CONDUCT OR OTHERWISE, SHALL CONSTITUTE A WARRANTY. THIS WARRANTY MAY NOT BE TRANSFERRED, EXTENDED, ALTERED OR OTHERWISE MODIFIED IN ANY MANNER, EXCEPT BY WRITTEN AGREEMENT SIGNED BY COMPANY.

BY ITS ACCEPTANCE OF THE PRODUCTS, EACH BUYER/END USER EXPRESSLY WAIVES ALL OTHER LIABILITY OR OBLIGATION OF ANY KIND OR CHARACTER OF COMPANY, INCLUDING LIABILITY PREDICATED UPON CONTRACT, TORT, STRICT LIABILITY OR OTHER LEGAL OR EQUITABLE GROUNDS, AND ALL, IF ANY, DAMAGES AND LOSSES AS A RESULT THEREOF, INCLUDING ALL, IF ANY, COMPENSATORY, GENERAL, SPECIAL, CONSEQUENTIAL, INCIDENTAL, OR PUNITIVE DAMAGES. WITH RESPECT TO SUCH WAIVERS, EACH BUYER/END USER EXPLICITLY WAIVES CALIFORNIA CIVIL CODE §1542 WHICH STATES "A GENERAL RELEASE DOES NOT EXTEND TO CLAIMS WHICH THE CREDITOR DOES NOT KNOW OR SUSPECT TO EXIST IN HIS FAVOR AT THE TIME OF EXECUTING THIS RELEASE, WHICH IF KNOWN BY HIM MUST HAVE MATERIALLY ADVERSELY AFFECTED HIS SETTLEMENT WITH DEBTOR" AND ALL OTHER SIMILAR STATUTORY, COMMON AND CASE LAW RIGHTS, DEFENSES AND LIMITATIONS.

Having previously independently inspected the Products, or a sample, as fully as desired, or having the opportunity to and having not done so, upon acceptance of delivery of the Products, and except as otherwise herein explicitly provided, each Buyer/End User by acceptance or use of the Products accepts them in their "AS IS" and "WITH ALL FAULTS" condition without any other warranty, expressed, implied or otherwise, and accepts and assumes the entire risk and cost of all servicing, remediation and consequences thereof. This Warranty shall be governed by California law and any unenforceable provisions severed without affecting the remaining provisions. As used herein, "including" includes "without limitation."

ADDITIONAL PUBLICATIONS AVAILABLE

FG-2B	SPECIAL REINFORCED (SR) CPVC FIRE SPRINKLER HEAD ADAPTER FITTINGS Brochure
FG-3	CPVC FIRE SPRINKLER PIPING PRODUCTS Installation Information
FG-4	CPVC FIRE SPRINKLER PIPING PRODUCTS Weights & Dimensions
FS-7	CPVC FIRE SPRINKLER PIPING PRODUCTS General Information
FG-7A	CPVC FIRE SPRINKLER PIPING PRODUCTS Friction Loss Table
FS5-6	FS5 One-Step Low VOC Cement MATERIAL SAFETY DATA SHEET

NOT FOR USE WITH COMPRESSED AIR OR GAS



FlameGuard™ CPVC Fire Sprinkler Piping Products

STANDARDS & SPECIFICATIONS

PIPE	Meets the requirements of ASTM Standard D 1784 for Material and ASTM Standard F 442 for End Product. Listed by NSF for potable water applications.
FITTINGS	Injection Molded to meet or exceed ASTM Standards F 437, F 438 and F 439, as applicable. Listed by NSF for potable water applications.
CEMENT	FS5 Cement meets the requirements of ASTM F 493; meets MAX VOC 450 G/L per SCAQMD Rule 1168/316A. Listed by NSF for potable water applications.

Spears® Fire Sprinkler Piping Products are Listed by Underwriters Laboratories for use in: Light Hazard occupancies as defined in the Standard for Installation of Sprinkler Systems, NFPA 13; Residential occupancies as defined in the Standard for Installation of Sprinkler Systems up to Four Stories in height, NFPA 13R; Residential occupancies as defined in the Standard for Sprinkler Systems in One and Two Family Dwellings and Mobile Homes, NFPA 13D; and, Air Conditioning and Ventilation Systems, NFPA 90A.

LOOK FOR THE UL LISTING MARK ON THE PRODUCT.



Spears® Fire Sprinkler Piping Products are also approved by the Loss Prevention Certification Board and Factory Mutual for use in Wet Fire Sprinkler Systems. For detailed information regarding these listings, please call your servicing Spears® Regional Distribution Center.



Certified by NSF International. Listed for use with potable water.



Listed for use with potable water.

DISCOUNT CODE

For your convenience, a numeric DISCOUNT CODE is shown for each part in this price schedule. Please refer to Spears® Discount Schedule for the corresponding standard discount. Discounts are NOT the same for all products contained within this Price List.

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

CONFIGURATION DESCRIPTIONS

- FIPT = Female Iron Pipe Thread
- MIPT = Male Iron Pipe Thread
- Socket = Solvent Weld Socket (IPS)
- Spigot = Spigot End (IPS)
- SR FIPT = Special Reinforced Plastic Female Iron Pipe Thread

NOT FOR USE WITH COMPRESSED AIR OR GAS

FlameGuard™ CPVC Fire Sprinkler Piping Products



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. All installation and maintenance personnel should be trained in the proper handling and installation requirements and precautions of plastic piping systems. **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.**

Installation must be made in accordance with **SPEARS® CPVC FIRE SPRINKLER PIPING PRODUCTS Installation Instructions - FG-3**

NOTE - Individual or group instruction in correct solvent welding procedures is available by contacting your local distributor or your servicing Spears® Regional Distribution Center.

SOLVENT CEMENT CONNECTIONS - Spears® Manufacturing Company recommends the use of Spears® FS-5 One Step solvent cement for joining Spears® products. Use of solvent cementing products not approved for CPVC fire sprinkler systems or failure to follow installation instructions will automatically void the warranty.

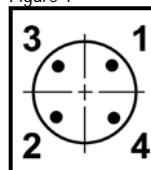
THREADED CONNECTIONS - Spears® Manufacturing Company recommends the use of Spears® **BLUE 75™** Thread Sealant. This product has been tested by Spears® and the sealant manufacturer for compatibility with the Spears® CPVC fire sprinkler products. Consult the sprinkler head manufacturer before using this product. **WARNING: OTHER PIPE JOINT COMPOUNDS OR PASTES MAY CONTAIN SUBSTANCES THAT COULD CAUSE STRESS CRACKING IN THE CPVC OR OTHER FITTING COMPONENTS.** Care must be taken to avoid overtorquing - generally 1 to 2 turns beyond finger tight is all that is required to make up a threaded connection. Factory testing has indicated 10-25 ft. lbs. of torque is adequate to obtain a leak free seal.

FLANGE MAKE-UP - *Once a flange is joined to pipe, the method for joining two flanges is as follows:*

- Piping runs joined to the flanges must be installed in a straight line position to the flange to avoid stress at the flange due to misalignment. Piping must also be secured and supported to prevent lateral movement which can create stress and damage the flange.
- With gasket in place, align the bolt holes of the mating flanges by rotating the ring into position. (Consideration should be given to alignment of One-Piece Flange prior to joining with pipe.)
- Insert all bolts, washers (two standard flat washers per bolt), and nuts.
- Make sure the faces of the mating surfaces are flush against gasket prior to bolting down the flanges.
- Tighten the nuts by hand until they are snug. Establish uniform pressure over the flange face by tightening the bolts in 5 ft. lbs. increments according to the sequence shown in Figure 1 following a 180° opposing sequence.
- Care must be taken to avoid "bending" the flange when joining a Spears® flange to a "raised face" flange, or a wafer-style valve.

Flange Size	Bolt Holes	Bolt Diameter	Bolt Length Minimum
3/4	4	1/2	2
1	4	1/2	2-1/4
1-1/4	4	1/2	2-1/4
1-1/2	4	1/2	2-1/2
2	4	5/8	3
2-1/2	4	5/8	3-1/4
3	4	5/8	3-1/4

Figure 1



Flange Size	Recommended Torque (Ft./Lbs.)
3/4 thru 1-1/2	12
2 thru 3	25

CAUTION: Unnecessary overtorquing will damage the flange.
Lubricant must be compatible with flange material.

Specified minimum bolt lengths are based on the use of two Spears® Flanges, two standard flat washers, standard nut and full faced 1/8" thick grade "E" EPDM full face gasket with a Shore "A" Durometer of approximately 60. Follow recommended bolt torque shown above. Threads should be clean and well lubricated. Actual field conditions, or mating with other brands or accessories, may require variations in these recommendations. Bolts and gaskets are not supplied with flanges.

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.

NOT FOR USE WITH COMPRESSED AIR OR GAS



FlameGuard™ CPVC Fire Sprinkler Piping Products

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The 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.



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