

NIBCO®

AHEAD OF THE FLOW®



CPVC BlazeMaster®
Fire Protection Fittings

CPVC Threaded Fire Protection Fittings

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CPVC Transition Fittings

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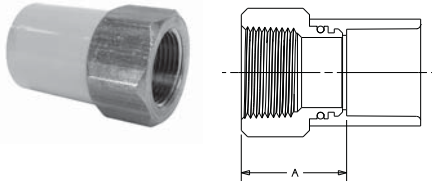
BlazeMaster®
FIRE SPRINKLER FITTINGS

BlazeMaster® is a registered trademark of The Lubrizol Corporation.

BlazeMaster® Fire Protection Fittings – THREADED

ADAPTERS

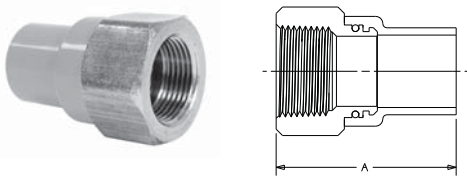
5003-BI



Female Adapters with Metal Thread Insert

UNIV. FIG. NO.	NOM. SIZE	APPROX. NET WT./LBS.	DIM. A INCHES	JOINT
5003-BI	3/4"	0.28	1.19	SXFNPT
5003-BI	1"	0.63	1.59	SXFNPT
5003-BI	1-1/4"	1.02	1.96	SXFNPT
5003-BI	1-1/2"	1.26	1.98	SXFNPT
5003-BI	2"	1.98	1.99	SXFNPT

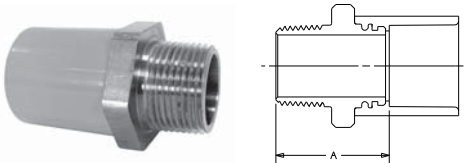
5003-2-BI



Spigot Female Adapters with Metal Thread Insert

UNIV. FIG. NO.	NOM. SIZE	APPROX. NET WT./LBS.	DIM. A INCHES	JOINT
5003-2-BI	3/4"	0.28	2.00	SPGXFNPT
5003-2-BI	1"	0.61	2.72	SPGXFNPT

5004-BI



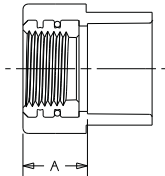
Male Adapters with Metal Thread Insert

UNIV. FIG. NO.	NOM. SIZE	APPROX. NET WT./LBS.	DIM. A INCHES	JOINT
5004-BI	3/4"	0.22	1.35	SxMNPT
5004-BI	1"	0.46	1.82	SxMNPT
5004-BI	1-1/4"	0.74	2.05	SxMNPT
5004-BI	1-1/2"	1.06	2.14	SxMNPT
5004-BI	2"	1.80	2.31	SxMNPT

BlazeMaster® Fire Protection Fittings – THREADED

ADAPTERS

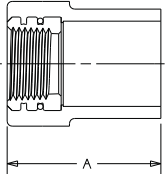
5003-S-BI



Female Sprinkler Head Adapters with Metal Thread Insert

UNIV. FIG. NO.	NOM. SIZE	APPROX. NET WT./LBS.	DIM. A INCHES	JOINT
5003-S-BI	3/4"x1/2"	0.16	0.72	SXFNPT
5003-S-BI	1"x1/2"	0.18	0.73	SXFNPT
5003-S-BI	1"x3/4"	0.18	0.93	SXFNPT

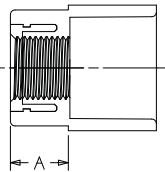
5003-2-S-BI



Spigot Female Sprinkler Head Adapters with Metal Thread Insert

UNIV. FIG. NO.	NOM. SIZE	APPROX. NET WT./LBS.	DIM. A INCHES	JOINT
5003-2-S-BI	1"x1/2"	0.16	1.84	SPGXFNPT
5003-2-S-BI	3/4"x1/2"	0.15	1.53	SPGXFNPT

5003-S-BT



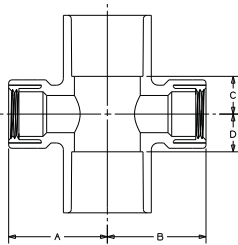
BRASTIC™ Female Sprinkler Head Adapters with Metal Starter Thread

UNIV. FIG. NO.	NOM. SIZE	APPROX. NET WT./LBS.	DIM. A INCHES	JOINT
5003-S-BT	1" x 1/2"	0.17	.75	S x FNPT
5003-S-BT	3/4" x 1/2"	0.15	.75	S x FNPT

BlazeMaster® Fire Protection Fittings – THREADED

CROSSES

5035-3-S-BI-S
5035-3-S-BI-L

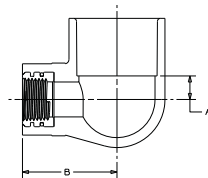


Sprinkler Head Back To Back Crosses with Metal Thread Inserts

UNIV. FIG. NO.	NOM. SIZE	APPROX. NET WT./LBS.	DIM. A INCHES	DIM. B INCHES	DIM. C INCHES	DIM. D INCHES	JOINT
5035-3-S-BI-S	1x1"x1/2"x1/2" 3-3/8" Take Out	0.46	1.69	1.69	0.62	0.62	SXSXFNPTXFNPT
5035-3-S-BI-L	1x1"x1/2"x1/2" 3-5/8" Take Out	0.48	1.81	1.81	0.62	0.62	SXSXFNPTXFNPT

ELBOWS

5007-3-S-BI



Sprinkler Head 90 with Metal Thread Insert

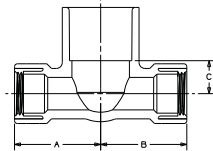
UNIV. FIG. NO.	NOM. SIZE	APPROX. NET WT./LBS.	DIM. A INCHES	DIM. B INCHES	JOINT
5007-3-S-BI	3/4"x1/2"	0.22	0.56	1.62	SxFNPT
5007-3-S-BI	1"x1/2"	0.27	0.50	1.76	SxFNPT
5007-3-S-BI	1"x3/4"	0.26	0.59	1.88	SxFNPT
5007-3-S-BI	1-1/4"x1/2"	0.30	0.48	1.95	SxFNPT

BlazeMaster® Fire Protection Fittings – THREADED

TEES

5011-3-3-S-BI-S

5011-3-3-S-BI-L

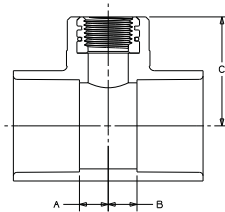


Back To Back Tees with Metal Thread Inserts

UNIV. FIG. NO.	NOM. SIZE	APPROX. NET WT./LBS.	DIM. A INCHES	DIM. B INCHES	DIM. C INCHES	JOINT
5011-3-3-S-BI-S	1/2"x1/2"x1" 3-3/8" Take Out	0.44	1.69	1.69	.62	FNPTXFNPTXS
5011-3-3-S-BI-L	1/2"x1/2"x1" 3-5/8" Take Out	0.46	1.81	1.81	.62	FNPTXFNPTXS

5012-S-BI

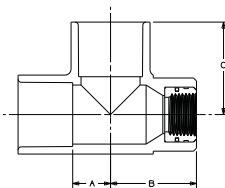
5012R-S-BI



Sprinkler Head Tees with Metal Thread Insert

UNIV. FIG. NO.	NOM. SIZE	APPROX. NET WT./LBS.	DIM. A INCHES	DIM. B INCHES	DIM. C INCHES	JOINT
5012-S-BI	3/4"x3/4"x1/2"	0.22	0.42	0.42	1.60	SXSXFNPT
5012-S-BI	1"	0.44	0.80	0.80	1.48	SXSXFNPT
5012-S-BI	1"x1"x1/2"	0.29	0.41	0.41	1.76	SXSXFNPT
5012-S-BI	1-1/4"x1-1/4"x1/2"	0.34	0.52	0.52	1.95	SXSXFNPT
5012-S-BI	1-1/2"x1-1/2"x1/2"	0.46	0.45	0.45	2.13	SXSXFNPT
5012-S-BI	2"x2"x1/2"	0.58	0.47	0.47	1.68	SXSXFNPT
5012R-S-BI	1"x3/4"x1/2"	0.28	0.46	0.83	1.69	SXSXFNPT
5012R-S-BI	1-1/4"x1"x1/2"	0.34	0.51	0.63	1.94	SXSXFNPT
5012R-S-BI	1-1/2"x1-1/4"x1/2"	0.47	0.46	0.67	2.13	SXSXFNPT
5012R-S-BI	2"x1-1/2"x1/2"	0.58	0.48	0.78	2.38	SXSXFNPT

5014R-S-BI



Sprinkler Head Tees with Metal Thread Insert

UNIV. FIG. NO.	NOM. SIZE	APPROX. NET WT./LBS.	DIM. A INCHES	DIM. B INCHES	DIM. C INCHES	JOINT
5014R-S-BI	1"x1/2"x1"	0.30	0.71	1.74	1.90	SXFNPTXS

Review – Do's & Don'ts

Do's

- Installation should be made only by a qualified installer or contractor in accordance with all applicable codes and requirements.
- Read and follow the installation instructions.
- Follow recommended safe work practices.
- Make certain that thread sealants, gasket lubricants, or firestop materials are compatible with CPVC.
- Keep pipe and fittings in original packaging until needed.
- Cover pipe and fittings with an opaque tarp if stored outdoors.
- Follow proper handling procedures.
- Use tools specifically designed for use with plastic pipe and fittings.
- Use the proper solvent cement and follow application instructions.
- Use a drop cloth to protect interior finishes.
- Cut the pipe ends square.
- Deburr and bevel the pipe end with a chamfering tool.
- Rotate the pipe 1/4 turn when bottoming pipe in fitting socket.
- Make certain no solvent cement is on sprinkler head and adapter threads.
- Make certain that solvent cement does not run and plug the sprinkler head orifice.
- Follow the manufacturer's recommended cure times prior to pressure testing.
- Fill lines slowly and only at a proper pressure.
- Bleed the air from the system prior to pressure testing.
- Support sprinkler head properly to prevent lift up of the head through the ceiling when activated.
- Keep threaded rod within 1/16" of the pipe or use a surge arrestor.
- Install NIBCO® **BlazeMaster**® CPVC Fire Sprinkler Products in wet systems only.
- Use only insulation and/or glycerin and water solutions for freeze protection.
- Allow for movement due to expansion and contraction.
- Ensure installers have been properly trained per the NIBCO **BlazeMaster**® CPVC Fire Sprinkler System Installation and Design Manual and renew your training every three years at a minimum.

Don'ts

- Do not use edible oils as a gasket lubricant.
- Do not use petroleum or solvent-based sealants, lubricants, or fire stop materials.
- Do not use any glycol-based solutions as an anti-freeze.
- Do not contaminate the CPVC system with cutting oils or compressor oils.
- Do not mix glycerin and water solutions in contaminated containers.
- Do not use solvent cement that exceeds its shelf life or has become discolored or jellied.
- Do not allow solvent cement to plug the sprinkler head orifice.
- Do not connect rigid metal couplers to CPVC grooved adapters.
- Do not thread or groove CPVC pipe.
- Do not use solvent cement near sources of heat, open flame, or when smoking.
- Do not pressure test with air.
- Do not pressure test until recommended cure times are met.
- Do not exceed proper pressure for testing.
- Do not use ratchet cutters below 50°F.
- Do not use CPVC pipe that has been stored outdoors, unprotected and is faded in color.
- Do not allow threaded rod to come in contact with the pipe.
- Do not install NIBCO **BlazeMaster**® CPVC Fire Sprinkler Products in cold weather without allowing for expansion.
- Do not install NIBCO **BlazeMaster**® CPVC Fire Sprinkler Products in dry systems.
- Do not allow puddling of cement in fittings and pipe.
- Do not use dull or broken cutting tool blades when cutting pipe.

BlazeMaster®
FIRE SPRINKLER FITTINGS

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NIBCO LIMITED WARRANTY

Applicable to NIBCO INC. CPVC FIRE PROTECTION Plastic Fittings

NIBCO INC. warrants each NIBCO **BlazeMaster®** Fire Protection CPVC plastic fitting to be free from defects in materials and workmanship under normal use and service for a period of ten (10) years from the date of purchase.

In the event any defect occurs which the owner believes is covered by this Warranty, the owner should immediately contact NIBCO INC., Technical Services, either in writing or by telephone call, (888) 446-4226 or (574) 295-3000. The owner will be instructed to return said fitting or valve, at the owner's expense, to NIBCO INC. or an authorized NIBCO INC. representative for inspection. In the event said inspection discloses to NIBCO INC.'s satisfaction that said fitting or valve is defective, a replacement shall be mailed free of charge to the owner, and NIBCO INC. shall further pay the installing contractor the sum of ten (\$10.00) dollars to apply on the cost of installation of said replacement fitting.

TO THE EXTENT PERMITTED BY LAW, THIS WARRANTY SPECIFICALLY EXCLUDES INCIDENTAL AND CONSEQUENTIAL DAMAGES OF EVERY TYPE AND DESCRIPTION RESULTING FROM ANY CLAIMED DEFECT IN MATERIAL OR WORKMANSHIP, INCLUDING BUT NOT LIMITED TO, PERSONAL INJURIES AND PROPERTY DAMAGES. Some states do not allow the exclusion or limitations of incidental or consequential damages, so these limitations may not apply to you. **TO THE EXTENT PERMITTED BY LAW, IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE LIMITED IN DURATION.**

This Warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

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how to order

NIBCO sells its products through select stocking distributors. Our distributors are knowledgeable about plastics fittings as well as the complete line of NIBCO Fire Protection Systems.

Please visit www.nibco.com for a complete listing of authorized NIBCO distributors in your area.

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