CATALOG C-BLZM-0211

NIBCO®

AHEAD OF THE FLOW®









CPVC BlazeMaster® Fire Protection Fittings

Business-to-Business Solutions

Look to NIBCO for technology leadership.



The velocity with which e-business evolves demands that new products and services be continuously developed and introduced to keep our customers at the center of our business efforts. NIBCO provides an entire suite of business-to-business solutions that is changing the way we interact with customers.

NIBCOpartner.com℠ is an exclusive set of secure web applications that allow quick access to customer-specific information and online order processing. This self-service approach gives you 24/7 access to your order status putting you in total control of your business.

Real time information includes:

- Online order entry
- Viewable invoices & reports
- Inventory availability
- Current price checks
- Order status
- Online library of price sheets, catalogs & submittals

Electronic Data Interchange (EDI) makes it possible to trade business documents at the speed of light. This technology cuts the cost of each transaction by eliminating the manual labor and paperwork involved in traditional order taking. This amounts to cost-savings, increased accuracy and better use of resources.



With EDI, you can trade:

- Purchase orders
- PO Acknowledgements
- Invoices
- Product activity data
- Advanced ship notices
- Remittance advice

Vendor Managed Inventory (VMI), a sophisticated service for automated inventory management, reduces your overhead by transferring inventory management, order entry and forecasting to NIBCO. This is an on-going, interactive partnership with NIBCO.



Through automation, VMI brings results:

- Improves customer service
- Optimum inventory efficiencies
- Better forecasting
- Cuts transaction costs
- Peace of mind
- Relief from day-to-day management

NIBCO INC. WORLD HEADQUARTERS • 1516 MIDDLEBURY ST. • ELKHART, IN 46516-4740 • USA • PH: 1.800.234.0227
TECH SERVICES PH:1.888.446.4226 • FAX: 1.888.336.4226 • INTERNATIONAL OFFICE PH: +1.574.295.3327 • FAX: +1.574.295.3455
www.nibco.com

ISO 9001 BUREAU VERITAS Certification

Visit our website for the most current information .

Table Of Contents

Numerical Index 4
Key to NIBCO Figure Numbers 5
Specifications and Engineering Data 6
CPVC Standard Fire Protection Fittings 7-13
CPVC Threaded Fire Protection Fittings 14-19
IPS to CTS Transition Fittings 19
Cement and Accessories 20-21
Typical Residential Riser 22
Valves for Residential Fire Protection 23
Hangers for Residential Fire Protection 24
Do's and Don'ts 25
CPVC Cross Reference Sheet 26-27
Warranty 30

BlazeMaster® FIRE SPRINKLER FITTINGS

BlazeMaster® is a registered trademark of The Lubrizol Corporation.

Numerical Index

CPVC BlazeMaster® Fire Protection Fittings

CPVC FIG NO	PAGE
5001-G	8
5001	9
5001-R	9
5003-BI	15
5003-2-BI	15
5003-S-BI	16
5003-2-S-BI	16
5003-S-BT	16
5004-BI	15
5006	10
5007	10
5007-R	10
5007-3-S-BI	17
5011	12
5011-R	12
5011-3-3-S-BI-L	18
5011-3-3-S-BI-S	18
5012-S-BI	18
5012-R-S-BI	18
5014-R-S-BI	18
5017	9
5018	8

CPVC FIG NO	PAGE
5019-H	11
5051-H	11
5033-E	13
5035	9
5035-R	9
5035-3-S-BI-L	17
5035-3-S-BI-S	17
450-005	19
4701-T	19
4718-T	19
5097-Q	20
5097-P	20
5098-Q	20
5098-P	20
5098-G	20
5096	20
5097	20
5093-S	20
5093-L	20
5094	21
5099	21

BlazeMaster® is a registered trademark of The Lubrizol Corporation.

BlazeMaster®
FIRE SPRINKLER FITTINGS

NIBCO INC. WORLD HEADQUARTERS • 1516 MIDDLEBURY ST. • ELKHART, IN 46516-4740 • USA • PH: 1.800.234.0227
TECH SERVICES PH: 1.888.446.4226 • FAX: 1.888.336.4226 • INTERNATIONAL OFFICE PH: +1/574.295.3327 • FAX: +1/574.295.3455
www.nibco.com

Key to NIBCO Figure Numbers

TYPE OF MATERIAL	TYPE OF FITTING & DESCRIPTION	TYPE OF CONNECTIONS
50 = CPVC Fire Protection	01 = Coupling	2 = Fitting Connection Spigot
	03 = Female Adapter	3 = Female NPT Thread Connection
	04 = Male Adapter	4 = Male NPT Thread Connection
	06 = 45° Elbow	S = Sprinkler Head Adapter
	07 = 90° Elbow	BI = Brass Insert
	11 = Tee	BT = BRASTIC™
	12 = Sprinkler Head Tee (Thread on Outlet)	R = Reducing
	14 = Sprinkler Head Tee (Thread on Run)	
	17 = Cap	
	18 = Bushing	
	19 = Blind Flange	
	33 = Unions	
	35 = Cross	
	51 = Solid Flange	

Fitting Terms and Abbreviations

FNPT = Female NPT Thread
MNPT = Male NPT Thread
S or SLIP = Female Socket
SPG = Male End (Spigot)
G = Grooved
L = Large
S = Small
H = Heavy
IPS = Iron Pipe Size
CTS = Copper Tube Size
Q = Quart
P = Pint

BlazeMaster® is a registered trademark of The Lubrizol Corporation.

BlazeMaster®
FIRE SPRINKLER FITTINGS

Specifications and Engineering Data

Introduction

NIBCO® ***BlazeMaster***® CPVC Fire Sprinkler products produced by NIBCO are manufactured from high quality, Post-Chlorinated Polyvinyl Chloride (CPVC), a specialty thermoplastic material tested and listed by certifying agencies for use in CPVC fire sprinkler systems. NIBCO CPVC Fire Sprinkler products provide unique advantages over traditional metal fire sprinkler systems through superior hydraulics, ease of installation and handling and quick assembly using readily available, inexpensive tools. These products also are based on a technology with a continuous and proven service history of more than forty (40) years.

Pressure Rating

NIBCO ***BlazeMaster***® CPVC Fittings of nominal sizes 3/4" – 3" (20 – 80 mm) are rated for continuous service of 175 psi (1270 kPa) at 150°F (65°C).

Approvals

NIBCO ***BlazeMaster***® CPVC fittings for fire sprinkler systems meet the approval and listing requirements of NFPA 13, 13D, and 13R.

NIBCO ***BlazeMaster***® CPVC Fittings are listed by NSF to ANSI / NSF Standard 61 for health effects and may be used in potable water applications.

NIBCO ***BlazeMaster***® CPVC Fittings carry the markings of Factory Mutual (FM) and Underwriters Laboratories Inc. (C-UL-US) for listings in the United States and Canada.

NIBCO ***BlazeMaster***® CPVC 3/4" to 3" Fittings are listed by the Loss Prevention Safety Board (LPCB).

NIBCO ***BlazeMaster***® CPVC Fittings are accepted for use by the City of New York Department of Buildings MEA 280-07-E.

c UL us
LISTED
CPVC FIRE SPRINKLER FITTING
7TA2

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

LPCB
LOSS PREVENTION CERTIFICATION BOARD

FM
APPROVED

Use with other Manufacturers' Pipes, Fittings, & Solvent Cements

NIBCO ***BlazeMaster***® CPVC Fire Sprinkler products are listed by UL standard 1821 & C-UL standard UCC/ORD-C199P and FM standard 1635. These listings require rigorous testing to ensure the products will function as a component of the assembled fire protection system. For Fire Protection CPVC pipe the current UL standard is 1821 & C-UL standard UCC/ORD-C199P and FM standard 1635. NIBCO warrants our fittings with all CPVC pipe and fittings that are in compliance with the same listings by UL & FM. A current list of compatible UL and C-UL Listed CPVC manufacturers are: Viking (pipe), Harvel (pipe), TYCO Fire Products (pipe & fittings), IPEX (pipe & fittings) and Spears (pipe & fittings).

NOTICE: While NIBCO ***BlazeMaster***® CPVC Fire Sprinkler Products are UL Listed for use in combination with other listed manufacturers' products, specific application approvals may not be the same among manufacturers. It is the installer's responsibility to verify suitability of products used in combination according to each manufacturer's installation instructions. Contact NIBCO if you have questions on any application not addressed in this manual.

Engineering Data – Product Specifications

NIBCO ***BlazeMaster***® CPVC Fire Sprinkler Products are made for use with Listed CPVC Fire Sprinkler Pipe Produced in SDR 13.5 dimensions, as specified in ASTM F 442.

NIBCO ***BlazeMaster***® CPVC Fire Sprinkler Fittings are produced in Schedule 40 dimensions for sizes 3/4 inch (20 mm) through 1-1/4 inch (32 mm) in accordance with ASTM F 438 and Schedule 80 dimensions for sizes 1-1/2 inch (40 mm) through 3 inch (80 mm) in accordance with ASTM F 439. These products are UL and C-UL Listed, and FM Approved for a rated working pressure of 175 psi (1200 kPa) at 150°F (65°C) for sprinkler service.

Installation Instructions

For complete installation instructions see NIBCO's "Installation and Design Manual."

BlazeMaster®
FIRE SPRINKLER FITTINGS

BlazeMaster® is a registered trademark of The Lubrizol Corporation.

NIBCO INC. WORLD HEADQUARTERS • 1516 MIDDLEBURY ST. • ELKHART, IN 46516-4740 • USA • PH: 1.800.234.0227
TECH SERVICES PH: 1.888.446.4226 • FAX: 1.888.336.4226 • INTERNATIONAL OFFICE PH: +1/574.295.3327 • FAX: +1/574.295.3455
www.nibco.com

CPVC Standard Fire Protection Fittings

Grooved Adapters 8
Bushings 8
Caps 9
Couplings 9
Crosses 9
Elbows 10
Flanges 11
Tees 12
Unions 13

BlazeMaster® is a registered trademark of The Lubrizol Corporation.

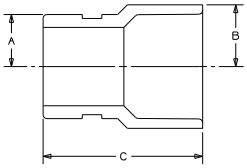
BlazeMaster®
FIRE SPRINKLER FITTINGS

BlazeMaster® Fire Protection Fittings – STANDARD

ADAPTERS

5001-G





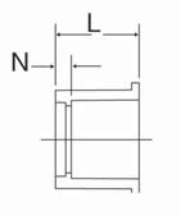
Grooved Coupling Adapters (G x S)

UNIV. FIG. NO.	NOM. SIZE	APPROX. NET WT./LBS.	DIM. A INCHES	DIM. B INCHES	DIM. C INCHES	JOINT
5001-G	1-1/4"	0.17	0.83	1.04	2.98	GXS
5001-G	1-1/2"	0.20	0.95	1.17	3.15	GXS
5001-G	2"	0.30	1.18	1.43	3.37	GXS
5001-G	2-1/2"	0.52	1.43	1.74	3.66	GXS
5001-G	3"	0.72	3.50	—	—	GXS

BUSHINGS

5018





Bushings

UNIV. FIG. NO.	NOM. SIZE	APPROX. NET WT./LBS.	DIM. L INCHES	DIM. N INCHES	JOINT
5018	1"x3/4"	0.04	1.28	0.29	SPGXS
5018	1-1/4"x1"	0.08	1.41	0.29	SPGXS
5018	1-1/4"x3/4"	0.10	1.41	0.41	SPGXS
5018	1-1/2"x1-1/4"	0.07	1.54	0.27	SPGXS
5018	1-1/2"x1"	0.12	1.54	0.39	SPGXS
5018	1-1/2"x3/4"	0.16	1.54	0.53	SPGXS
5018	2"x1-1/2"	0.16	1.66	0.27	SPGXS
5018	2"x1-1/4"	0.20	1.66	0.40	SPGXS
5018	2"x1"	0.22	1.66	0.52	SPGXS
5018	2"x3/4"	0.22	1.66	0.64	SPGXS
5018	2-1/2"x2"	0.24	1.94	0.44	SPGXS
5018	2-1/2"x1-1/2"	0.36	1.94	0.57	SPGXS
5018	2-1/2"x1-1/4"	0.37	1.94	0.68	SPGXS
5018	2-1/2"x1"	0.36	1.94	0.81	SPGXS
5018	3"x2-1/2"	0.47	2.42	0.60	SPGXS
5018	3"x2"	0.66	2.42	0.93	SPGXS
5018	3"x1-1/2"	0.73	2.42	1.03	SPGXS

BlazeMaster® is a registered trademark of The Lubrizol Corporation.

BlazeMaster®
FIRE SPRINKLER FITTINGS

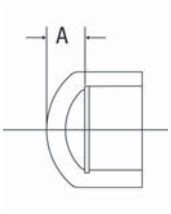
NIBCO INC. WORLD HEADQUARTERS • 1516 MIDDLEBURY ST. • ELKHART, IN 46516-4740 • USA • PH: 1.800.234.0227
TECH SERVICES PH: 1.888.446.4226 • FAX: 1.888.336.4226 • INTERNATIONAL OFFICE PH: +1/574.295.3327 • FAX: +1/574.295.3455
www.nibco.com

BlazeMaster® Fire Protection Fittings – STANDARD

CAPS

5017





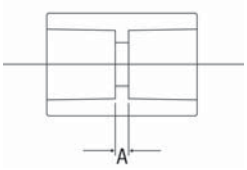
Caps

UNIV. FIG. NO.	NOM. SIZE	APPROX. NET WT./LBS.	DIM. A INCHES	JOINT
5017	3/4"	0.04	0.31	S
5017	1"	0.06	0.39	S
5017	1-1/4"	0.22	0.56	S
5017	1-1/2"	0.30	0.68	S
5017	2"	0.42	0.68	S
5017	2-1/2"	0.62	1.20	S
5017	3"	0.96	1.26	S

COUPLINGS

5001
5001-R





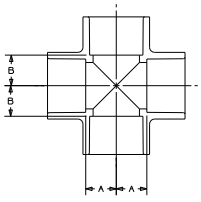
Couplings

UNIV. FIG. NO.	NOM. SIZE	APPROX. NET WT./LBS.	DIM. A INCHES	JOINT
5001	3/4"	0.06	0.12	SXS
5001	1"	0.08	0.09	SXS
5001	1-1/4"	0.12	0.08	SXS
5001	1-1/2"	0.30	0.27	SXS
5001	2"	0.44	0.28	SXS
5001	2-1/2"	0.72	0.20	SXS
5001	3"	1.10	0.22	SXS
5001-R	1"x3/4"	0.08	0.29	SXS
5001-R	1-1/4"x1"	0.12	0.35	SXS
5001-R	1-1/2"x1-1/4"	0.38	0.51	SXS
5001-R	1-1/2"x1"	0.36	0.67	SXS
5001-R	1-1/2"x3/4"	0.34	0.80	SXS
5001-R	2"x1-1/2"	0.52	0.51	SXS
5001-R	2"x1"	0.48	0.75	SXS

CROSSES

5035
5035-R





Crosses

UNIV. FIG. NO.	NOM. SIZE	APPROX. NET WT./LBS.	DIM. A INCHES	DIM. B INCHES	JOINT
5035	3/4"	0.12	0.61	0.61	SXSXSXS
5035	1"	0.24	0.75	0.75	SXSXSXS
5035	1-1/4"	0.34	0.90	0.90	SXSXSXS
5035	1-1/2"	0.69	1.23	1.23	SXSXSXS
5035	2"	1.02	1.53	1.53	SXSXSXS
5035	2-1/2"	1.70	1.75	1.75	SXSXSXS
5035	3"		FUTURE OFFERING		
5035-R	1"x1"x3/4"x3/4"	0.18	0.61	0.73	SXSXSXS

BlazeMaster®
FIRE SPRINKLER FITTINGS

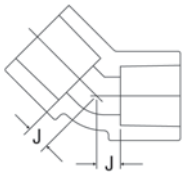
BlazeMaster® is a registered trademark of The Lubrizol Corporation.

BlazeMaster® Fire Protection Fittings – STANDARD

ELBOWS

5006



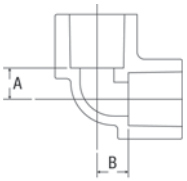


45° Elbows

UNIV. FIG. NO.	NOM. SIZE	APPROX. NET WT./LBS.	DIM. J INCHES	JOINT
5006	3/4"	0.06	0.32	SXS
5006	1"	0.12	0.39	SXS
5006	1-1/4"	0.18	0.48	SXS
5006	1-1/2"	0.36	0.47	SXS
5006	2"	0.54	0.58	SXS
5006	2-1/2"	1.00	0.65	SXS
5006	3"	1.28	0.76	SXS

5007
5007-R





90° Elbows

UNIV. FIG. NO.	NOM. SIZE	APPROX. NET WT./LBS.	DIM. A INCHES	DIM. B INCHES	JOINT
5007	3/4"	0.08	0.56	0.56	SXS
5007	1"	0.14	0.69	0.69	SXS
5007	1-1/4"	0.22	0.91	0.91	SXS
5007	1-1/2"	0.41	1.06	1.06	SXS
5007	2"	0.60	1.24	1.24	SXS
5007	2-1/2"	1.16	1.50	1.50	SXS
5007	3"	1.66	1.81	1.81	SXS
5007-R	1"x3/4"	0.12	0.61	0.75	SXS

BlazeMaster® is a registered trademark of The Lubrizol Corporation.

BlazeMaster®
FIRE SPRINKLER FITTINGS

NIBCO INC. WORLD HEADQUARTERS • 1516 MIDDLEBURY ST. • ELKHART, IN 46516-4740 • USA • PH: 1.800.234.0227
TECH SERVICES PH: 1.888.446.4226 • FAX: 1.888.336.4226 • INTERNATIONAL OFFICE PH: +1/574.295.3327 • FAX: +1/574.295.3455
www.nibco.com

BlazeMaster® Fire Protection Fittings – STANDARD

FLANGES

Future Offering

5019-H



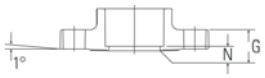


Blind Flanges – Solid

UNIV. FIG. NO.	NOM. SIZE	APPROX. NET WT./LBS.	DIM. G INCHES	DIM. OB INCHES
5019-H	3/4"	0.32	0.58	0.80
5019-H	1"	0.43	0.64	0.84
5019-H	1-1/4"	0.57	0.69	0.94
5019-H	1-1/2"	0.69	0.78	1.00
5019-H	2"	1.08	0.83	1.13
5019-H	2-1/2"	1.81	0.96	1.22
5019-H	3"	2.45	1.05	1.31

5051-H





Flanges – Solid

UNIV. FIG. NO.	NOM. SIZE	APPROX. NET WT./LBS.	DIM. G INCHES	DIM. N INCHES	JOINT
5051-H	3/4"	0.31	0.58	0.17	S
5051-H	1"	0.41	0.64	0.18	S
5051-H	1-1/4"	0.53	0.69	0.20	S
5051-H	1-1/2"	0.68	0.78	0.23	S
5051-H	2"	1.03	0.83	0.27	S
5051-H	2-1/2"	1.61	1.96	0.20	S
5051-H	3"	2.08	1.05	0.29	S

BlazeMaster® is a registered trademark of The Lubrizol Corporation.

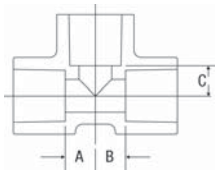
BlazeMaster®
FIRE SPRINKLER FITTINGS

BlazeMaster® Fire Protection Fittings – STANDARD

TEES

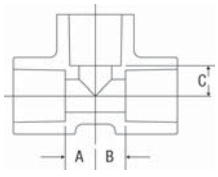
5011





5011-R





Tees

UNIV. FIG. NO.	NOM. NOM. SIZE	APPROX. NET WT./LBS.	DIM. A INCHES	DIM. B INCHES	DIM. C INCHES	JOINT
5011	3/4"	0.10	0.57	0.57	0.57	SXSXS
5011	1"	0.17	0.69	0.69	0.69	SXSXS
5011	1-1/4"	0.28	0.89	0.89	0.89	SXSXS
5011	1-1/2"	0.58	1.05	1.05	1.05	SXSXS
5011	2"	0.82	1.25	1.25	1.25	SXSXS
5011	2-1/2"	1.58	1.53	1.53	1.53	SXSXS
5011	3"	2.14	1.84	1.84	1.84	SXSXS
5011-R	3/4"x3/4"x1"	0.14	0.70	0.70	0.73	SXSXS
5011-R	1"x1"x3/4"	0.16	0.61	0.61	0.94	SXSXS
5011-R	1"x3/4"x1"	0.20	0.76	0.99	0.78	SXSXS
5011-R	1"x3/4"x3/4"	0.16	0.60	0.87	0.77	SXSXS
5011-R	1-1/4"x1-1/4"x1"	0.24	0.73	0.73	0.89	SXSXS
5011-R	1-1/4"x1-1/4"x3/4"	0.20	0.60	0.60	0.89	SXSXS
5011-R	1-1/4"x1"x1-1/4"	0.28	0.88	1.03	0.87	SXSXS
5011-R	1-1/4"x1"x1"	0.24	0.71	0.90	0.89	SXSXS
5011-R	1-1/4"x1"x3/4"	0.20	0.61	0.76	0.89	SXSXS
5011-R	1-1/4"x1-1/4"x1-1/2"	0.44	1.01	1.01	0.88	SXSXS
5011-R	1-1/2"x1-1/2"x1-1/4"	0.46	0.89	0.89	1.04	SXSXS
5011-R	1-1/2"x1-1/2"x1"	0.54	0.77	0.77	0.96	SXSXS
5011-R	1-1/2"x1-1/2"x3/4"	0.50	0.67	0.67	1.04	SXSXS
5011-R	1-1/2"x1-1/4"x1"	0.40	0.72	0.91	1.01	SXSXS
5011-R	1-1/2"x1-1/4"x3/4"	0.36	0.60	0.78	1.02	SXSXS
5011-R	1-1/2"x1-1/2"x2"	0.88	1.30	1.30	1.14	SXSXS
5011-R	2"x2"x1-1/2"	0.86	1.06	1.06	1.37	SXSXS
5011-R	2"x2"x1-1/4"	0.67	1.00	1.00	1.28	SXSXS
5011-R	2"x2"x1"	0.72	0.80	0.80	1.25	SXSXS
5011-R	2"x2"x3/4"	0.68	0.70	0.70	1.25	SXSXS
5011-R	2-1/2"x2-1/2"x2"	1.32	1.26	1.26	1.53	SXSXS
5011-R	2-1/2"x2-1/2"x1-1/2"	1.21	1.06	1.06	1.53	SXSXS
5011-R	2-1/2"x2-1/2"x1-1/4"	1.12	0.91	0.91	1.53	SXSXS
5011-R	2-1/2"x2-1/2"x1"	1.05	0.74	0.74	1.53	SXSXS
5011-R	3"x3"x2-1/2"	1.71	1.53	1.53	1.84	SXSXS
5011-R	3"x3"x2"	1.56	1.26	1.26	1.84	SXSXS
5011-R	3"x3"x1-1/2"	1.39	1.06	1.06	1.82	SXSXS

Note: All NIBCO reducing tees are molded to size, not fabricated.

BlazeMaster® is a registered trademark of The Lubrizol Corporation.

BlazeMaster®
FIRE SPRINKLER FITTINGS

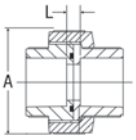
NIBCO INC. WORLD HEADQUARTERS • 1516 MIDDLEBURY ST. • ELKHART, IN 46516-4740 • USA • PH: 1.800.234.0227
TECH SERVICES PH: 1.888.446.4226 • FAX: 1.888.336.4226 • INTERNATIONAL OFFICE PH: +1/574.295.3327 • FAX: +1/574.295.3455
www.nibco.com

BlazeMaster® Fire Protection Fittings – STANDARD

UNIONS

5033-E





Unions (O-ring Material EPDM)

UNIV. FIG. NO.	NOM. NOM. SIZE	APPROX. NET WT./LBS.	DIM. A INCHES	DIM. L INCHES	JOINT
5033-E	3/4"	0.27	2.46	0.43	SXS
5033-E	1"	0.40	2.70	0.43	SXS
5033-E*	1-1/4"	0.87	3.31	0.79	SXS
5033-E*	1-1/2"	0.93	3.58	0.80	SXS
5033-E*	2"	1.83	3.82	0.80	SXS

** Future Offering*

BlazeMaster® is a registered trademark of The Lubrizol Corporation.

BlazeMaster®
FIRE SPRINKLER FITTINGS

CPVC Threaded Fire Protection Fittings

Adapters 15-16
Crosses 17
Elbows 17
Tees 18
Test Plugs 19

CPVC Transition Fittings

IPS to CTS Transition Fittings 19

BlazeMaster® is a registered trademark of The Lubrizol Corporation.

BlazeMaster®
FIRE SPRINKLER FITTINGS

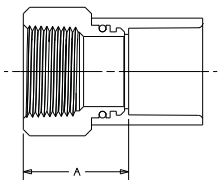
NIBCO INC. WORLD HEADQUARTERS • 1516 MIDDLEBURY ST. • ELKHART, IN 46516-4740 • USA • PH: 1.800.234.0227
TECH SERVICES PH: 1.888.446.4226 • FAX: 1.888.336.4226 • INTERNATIONAL OFFICE PH: +1/574.295.3327 • FAX: +1/574.295.3455
www.nibco.com

BlazeMaster® Fire Protection Fittings – THREADED

ADAPTERS

5003-BI



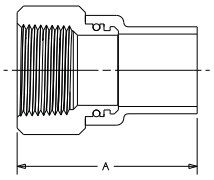


Female Adapters with Metal Thread Insert

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



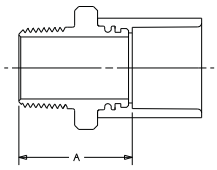


Spigot Female Adapters with Metal Thread Insert

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® is a registered trademark of The Lubrizol Corporation.

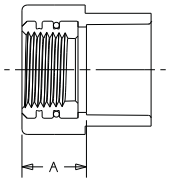
BlazeMaster®
FIRE SPRINKLER FITTINGS

BlazeMaster® Fire Protection Fittings – THREADED

ADAPTERS

5003-S-BI



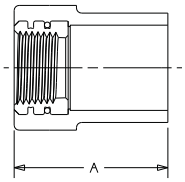


Female Sprinkler Head Adapters with Metal Thread Insert

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



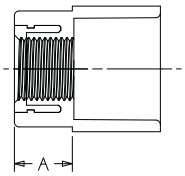


Spigot Female Sprinkler Head Adapters with Metal Thread Insert

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® is a registered trademark of The Lubrizol Corporation.

BlazeMaster®
FIRE SPRINKLER FITTINGS

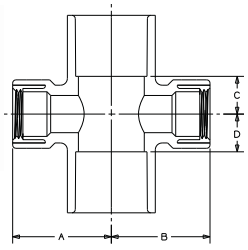
NIBCO INC. WORLD HEADQUARTERS • 1516 MIDDLEBURY ST. • ELKHART, IN 46516-4740 • USA • PH: 1.800.234.0227
TECH SERVICES PH: 1.888.446.4226 • FAX: 1.888.336.4226 • INTERNATIONAL OFFICE PH: +1/574.295.3327 • FAX: +1/574.295.3455
www.nibco.com

BlazeMaster® Fire Protection Fittings – THREADED

CROSSES

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





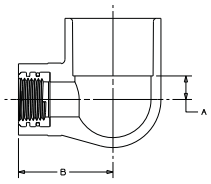
Sprinkler Head Back To Back Crosses with Metal Thread Inserts

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® is a registered trademark of The Lubrizol Corporation.

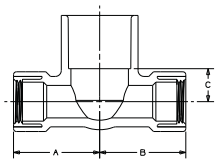
BlazeMaster®
FIRE SPRINKLER FITTINGS

BlazeMaster® Fire Protection Fittings – THREADED

TEES

5011-3-3-S-BI-S
5011-3-3-S-BI-L



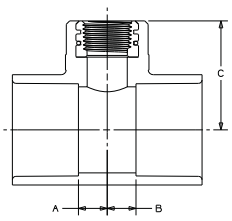


Back To Back Tees with Metal Thread Inserts

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



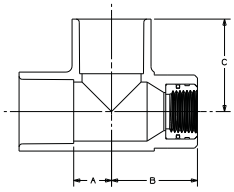


Sprinkler Head Tees with Metal Thread Insert

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

BlazeMaster®
FIRE SPRINKLER FITTINGS

BlazeMaster® is a registered trademark of The Lubrizol Corporation.

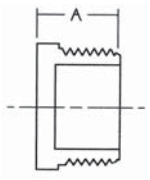
NIBCO INC. WORLD HEADQUARTERS • 1516 MIDDLEBURY ST. • ELKHART, IN 46516-4740 • USA • PH: 1.800.234.0227
TECH SERVICES PH: 1.888.446.4226 • FAX: 1.888.336.4226 • INTERNATIONAL OFFICE PH: +1/574.295.3327 • FAX: +1/574.295.3455
www.nibco.com

BlazeMaster® Fire Protection Fittings – THREADED

TEST PLUG

450-005





Test Plugs

UNIV. FIG. NO.	NOM. SIZE	APPROX. NET WT./LBS.	DIM. A INCHES	JOINT
450-005	1/2"	0.03	1.06	MPT

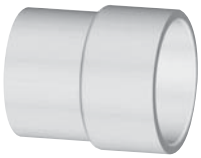
Note: Test plug is white PVC Schedule 40 material and is intended for testing the system only. Test plug should not be included as a component in the completed system.

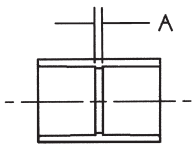
IPS TO CTS TRANSITION FITTINGS

FLOWGUARD GOLD® CPVC

FOR USE IN MULTI-PURPOSE NFPA-13D SYSTEMS (WHERE APPROVED).

4701-T



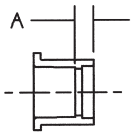


Transition Couplings (Slip IPS x Slip CTS)

NOM. SIZE		APPROX. NET WT./LBS.	DIM. A INCHES
3/4	(IPS) x 3/4 (CTS)	.039	1/8
1	(IPS) x 1 (CTS)	.068	1/8
2	(IPS) x 2 (CTS)	.330	1/8

4718-T





Transition Bushings (Spigot IPS x Slip CTS)

NOM. SIZE		APPROX. NET WT./LBS.	DIM. A INCHES
1	(IPS) x 1 (CTS)	.030	9/32
1 1/4	(IPS) x 1 1/4 (CTS)	.057	1/4
1 1/2	(IPS) x 1 1/2 (CTS)	.070	3/16
2	(IPS) x 2 (CTS)	.111	1/8

Note: For joining BlazeMaster® and FlowGuard Gold® pipe and fittings, use NIBCO® FP-1000 One-Step Cement.

IPS = Iron Pipe Size
CTS = Copper Tube Size

FlowGuard Gold® is a registered trademark of The Lubrizol Corporation.
BlazeMaster® is a registered trademark of The Lubrizol Corporation.

BlazeMaster®
FIRE SPRINKLER FITTINGS

BlazeMaster® Fire Protection Fittings – ACCESSORIES

CEMENT AND ACCESSORIES



Solvent Cement

FIG. NO.	SIZE	DESCRIPTION	LBS./CASE
5097Q	Quart	NIBCO FP-1000 One Step Cement	27
5097P	Pint	NIBCO FP-1000 One Step Cement	14
C5097Q	Quart	NIBCO FP-1000 One Step Cement Canada compliant label	27
C5097P	Pint	NIBCO FP-1000 One Step Cement Canada compliant label	14

Note: Pint can lid is the correct size dauber for 3/4" through 1-1/4" pipe and fitting assembly; quart can lid is the correct size dauber for 1-1/2" through 3" pipe and fittings.



Empty Can

FIG. NO.	SIZE	DESCRIPTION	LBS./CASE
5098Q	Quart	Empty Can Quart	3
5098P	Pint	Empty Can Pint	2
5098G	Gallon	Empty Can Gallon	5



Brush

FIG. NO.	SIZE	DESCRIPTION	LBS./CASE
5096	NA	Brush BP-1	11



Roller

FIG. NO.	SIZE	DESCRIPTION	LBS./CASE
5097	NA	Roller 6020	4



Dauber

FIG. NO.	SIZE	DESCRIPTION	LBS./CASE
5093S	Small	Dauber CM-75 (for pipe sizes 3/4" - 1-1/4")	2
5093L	Large	Dauber CM-150 (for pipe sizes 1-1/4" - 3")	2

BlazeMaster® FIRE SPRINKLER FITTINGS

BlazeMaster® is a registered trademark of The Lubrizol Corporation.

NIBCO INC. WORLD HEADQUARTERS • 1516 MIDDLEBURY ST. • ELKHART, IN 46516-4740 • USA • PH: 1.800.234.0227
TECH SERVICES PH: 1.888.446.4226 • FAX: 1.888.336.4226 • INTERNATIONAL OFFICE PH: +1/574.295.3327 • FAX: +1/574.295.3455
www.nibco.com

BlazeMaster® Fire Protection Fittings – ACCESSORIES

CEMENT AND ACCESSORIES



Thread Sealant

FIG. NO.	SIZE	DESCRIPTION	LBS./CASE	CANS/CASE
5094	Half Pint	Thread Sealant	24.0	24
5094	Pint	Thread Sealant	24.0	12
5094	Quart	Thread Sealant	38.4	12

NOTE: Only use thread sealant that is compatible with NIBCO manufactured BlazeMaster® CPVC fittings. Thread sealants which carry the FGG/BM/CZ SYSTEM COMPATIBLE mark have been determined to be chemically compatible.



PTFE Tape

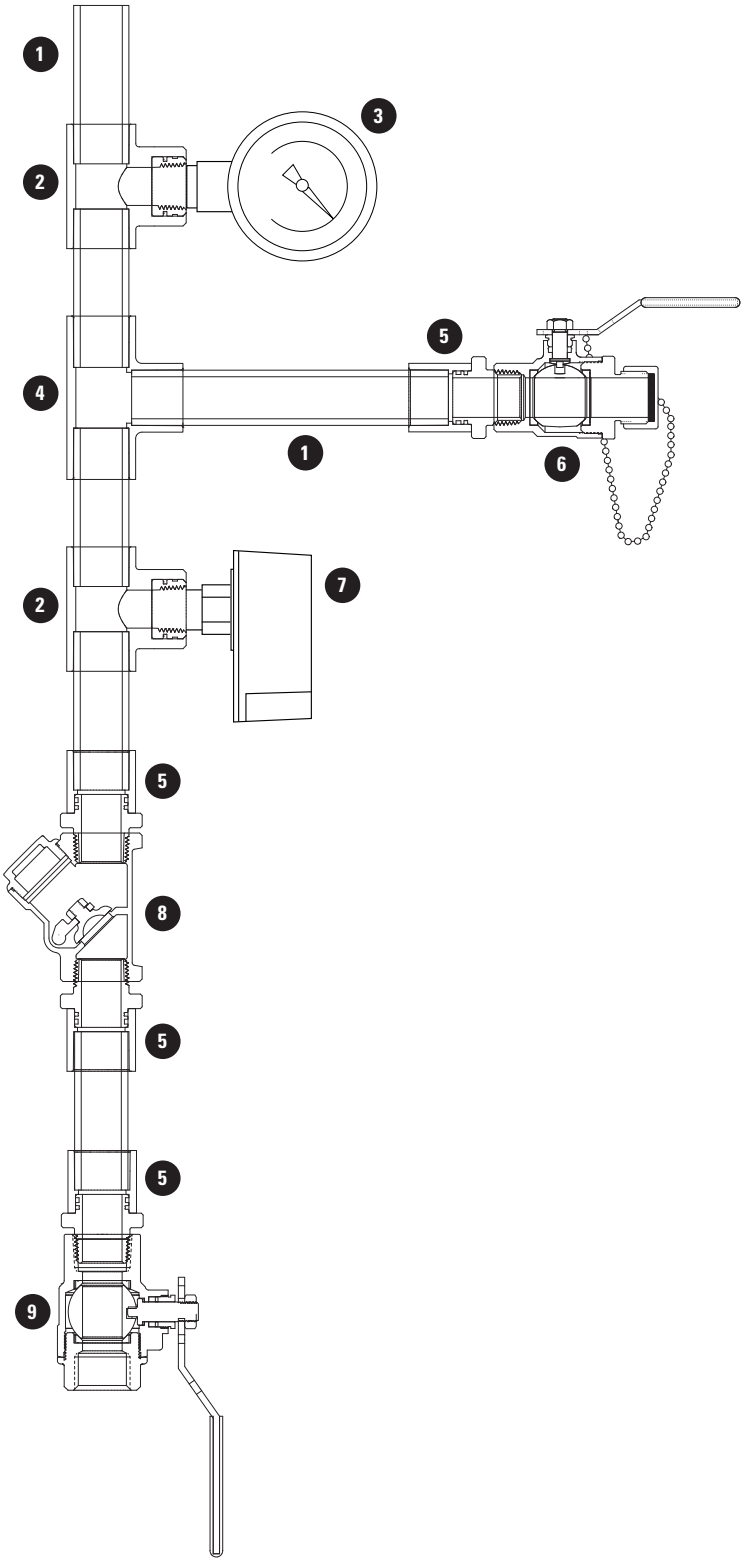
FIG. NO.	SIZE	DESCRIPTION	LBS./CASE
5099	1/2"x260"	PTFE Tape	11

FGG/BM/CZ™ is a trademark of The Lubrizol Corporation.
BlazeMaster® is a registered trademark of The Lubrizol Corporation.

BlazeMaster®
FIRE SPRINKLER FITTINGS

Typical Residential Riser

NIBCO valves and fittings that are typically used with CPVC ***BlazeMaster***® pipe.



1. CPVC ***BlazeMaster***® Pipe
2. NIBCO #5012-S-BI
3. Pressure Gauge
4. NIBCO #5011
5. NIBCO #5004-BI
6. NIBCO Hose End
   T-585-70-HC / 66-HC
7. Flow Switch
8. NIBCO Check
   T-480, T-480-Y, T-413-Y, TI3
9. NIBCO Isolation
   T-585-70 / 66 / UL / IC
   MTT-585-70, T-FP-600

BlazeMaster® is a registered trademark of The Lubrizol Corporation.

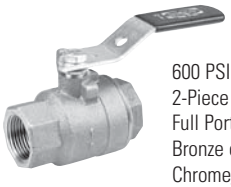
BlazeMaster®
FIRE SPRINKLER FITTINGS

NIBCO INC. WORLD HEADQUARTERS • 1516 MIDDLEBURY ST. • ELKHART, IN 46516-4740 • USA • PH: 1.800.234.0227
TECH SERVICES PH: 1.888.446.4226 • FAX: 1.888.336.4226 • INTERNATIONAL OFFICE PH: +1/574.295.3327 • FAX: +1/574.295.3455
www.nibco.com

Valves for Residential Fire Protection

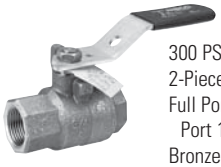
ISOLATION VALVES

T-585-70 / 66



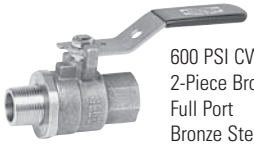
600 PSI CWP 150 PSI SWP
2-Piece Bronze Body
Full Port
Bronze or SS Stem
Chrome/Nickel Plate or SS Ball
Threaded Connection
MSS SP-110
1/4" – 2"

KT-580-70-UL
KT-585-70-UL



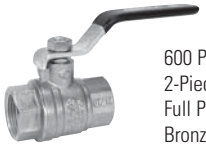
300 PSI Non-Shock Cold Water
2-Piece Bonze Body
Full Port 1/4" – 1", Convential Port 1-1/4" – 3"
Bronze Stem
Chrome/Nickel Plate Ball
Threaded Connection
MSS SP-110, UL/FM
1/4" – 3"

MTT-585-70



600 PSI CWP 150 PSI SWP
2-Piece Bronze Body
Full Port
Bronze Stem, Chrome
Chrome/Nickel Plate Ball
Male x Female Threaded End Connection
MSS SP-110
1/2" – 2"

T-FP-600A



600 PSI CWP
2-Piece Brass Body
Full Port
Bronze or Brass Stem
Chrome/Nickel Plate Ball
Threaded Connection
MSS SP-110, UL
1/4" – 2"

T-685-80-LF



Lead-Free*
600 PSI CWP
2-Piece Body
Full Port
ECO-BRASS Ball/Stem
Threaded Connection
MSS SP-110
1/2" – 2"

CHECK VALVES

T-413-Y/W



200 PSI CWP
Horizontal Swing Check
Bronze Body
PTFE or Buna Disc
Integral Seat
Threaded Connection
MSS SP-80
1/2" – 2"

Lead-Free* version available as T-413-Y-LF

T-480-Y
T-480



250 PSI CWP
In-Line Lift Type Check
Bronze Body
PTFE or Buna Disc Integral Seat
Threaded Connection
3/8" – 2"

Lead-Free* version available as T-480-Y-LF

HOSE END DRAIN

T-585-70-HC / 66-HC



600 PSI CWP
Ball Valve with Cap & Chain
2-Piece Bronze Body
Full Port
Bronze or SS Stem
Chrome Plated or SS Ball
Threaded Connection
MSS SP-110
1/2" – 3/4"

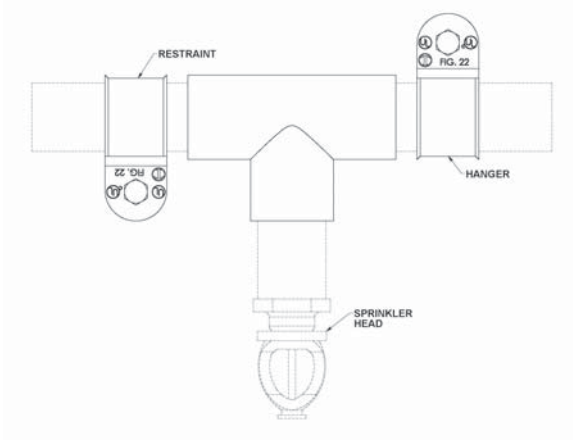
*** Lead-Free refers to the wetted surface of pipe, fittings and fixtures in potable water systems that have a weighted average lead content <0.25%. Source: California Health & Safety Code (116875); Vermont Act 193.**

NOTE: To view NIBCO's entire fire protection valve offering, visit www.nibco.com.

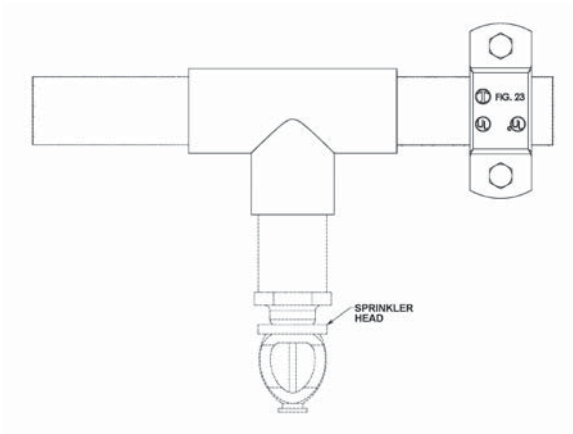
BlazeMaster® is a registered trademark of The Lubrizol Corporation.

BlazeMaster®
FIRE SPRINKLER FITTINGS

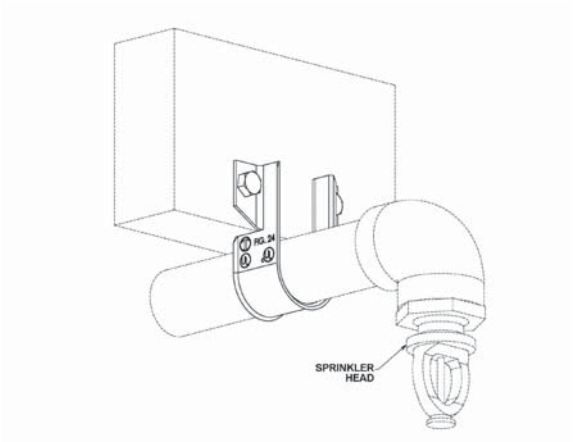
Hangers for Residential Fire Protection



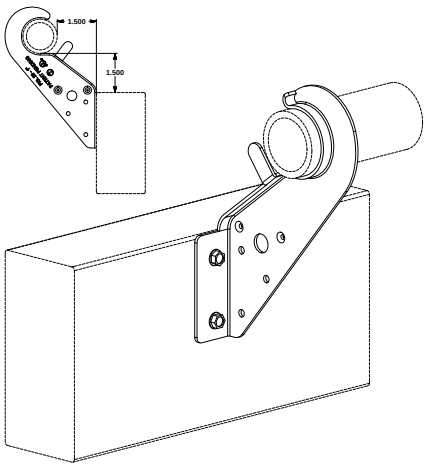
TOLCO Fig. 22 –Hanger for CPVC Plastic Pipe Single Fastener Strap Type



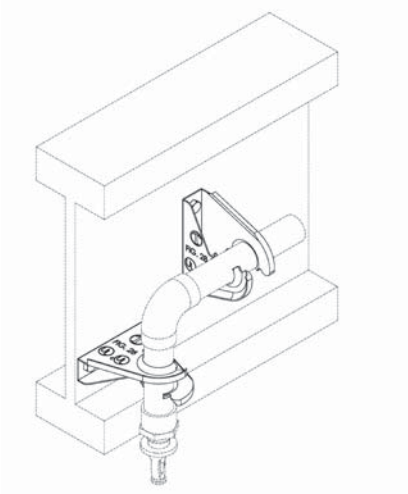
TOLCO Fig. 23 –Hanger for CPVC Plastic Pipe Double Fastener Strap Type



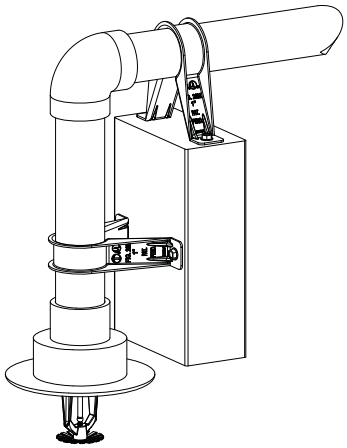
TOLCO Fig. 24 –Hanger fro CPVC Plastic Pipe Double Fastener Strap Type – Side Mount



TOLCO Fig. 29 – Double Offset Hanger & Restrainer for CPVC Plastic Pipe



TOLCO Fig. 28 –"Stand-Off" Hanger & Restrainer for CPVC Plastic Pipe



TOLCO Fig. 28M – CPVC Hanger and Restrainer for CPVC Plastic Pipe

NOTE: To view TOLCO's entire fire protection hanger & strut offering, visit www.nibco.com.

NIBCO INC. WORLD HEADQUARTERS • 1516 MIDDLEBURY ST. • ELKHART, IN 46516-4740 • USA • PH: 1.800.234.0227
TECH SERVICES PH: 1.888.446.4226 • FAX: 1.888.336.4226 • INTERNATIONAL OFFICE PH: +1/574.295.3327 • FAX: +1/574.295.3455
www.nibco.com

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® is a registered trademark of The Lubrizol Corporation.

BlazeMaster®
FIRE SPRINKLER FITTINGS

CPVC Cross Reference Sheet

STANDARD FITTINGS

	NIBCO FIG. NO.	SIZE	SPEARS FIG. NO.	TYCO FIG. NO.
ADAPTER	5001-G	1-1/4"	4233-012	80160
	5001-G	1-1/2"	4233-015	80161
	5001-G	2"	4233-020	80162
	5001-G	2-1/2"	4233-025	80163
	5001-G	3"	4233-030	80164
BUSHINGS	5018	1"x3/4"	4237-131	80200
	5018	1-1/4"x1"	4237-168	80202
	5018	1-1/4"x3/4"	4237-167	80201
	5018	1-1/2"x1-1/4"	4237-212	80205
	5018	1-1/2"x1"	4237-211	80204
	5018	1-1/2"x3/4"	4237-210	80203
	5018	2"x1-1/2"	4237-251	80209
	5018	2"x1-1/4"	4237-250	80208
	5018	2"x1"	4237-249	80207
	5018	2"x3/4"	4237-248	80206
	5018	2-1/2"x2"	4237-292	80211
	5018	2-1/2"x1-1/2"	4237-291	80213
	5018	2-1/2"x1-1/4"	4237-290	80214
	5018	2-1/2"x1"	N/A	80215
	5018	3"x2-1/2"	4237-339	80212
	5018	3″x2″	4237-338	80210
	5018	3"x1-1/2"	N/A	N/A
CAPS	5017	3/4"	4247-007	80100
	5017	1"	4247-010	80101
	5017	1-1/4"	4247-012	80102
	5017	1-1/2"	4247-015	80103
	5017	2"	4247-020	80104
	5017	2-1/2"	4247-025	80105
	5017	3"	4247-030	80106
COUPLINGS	5001	3/4"	4229-007	80075
	5001	1"	4229-010	80076
	5001	1-1/4"	4229-012	80077
	5001	1-1/2"	4229-015	80078
	5001	2"	4229-020	80079
	5001	2-1/2"	4229-025	80080
	5001	3"	4229-030	80081
	5001-R	1"x3/4"	4229-131	80220
	5001-R	1-1/4"x1"	4229-168	N/A
	5001-R	1-1/2"x3/4"	4229-210	N/A
	5001-R	1-1/2"x1"	4229-211	N/A
	5001-R	1-1/2"x1-1/4"	4229-212	N/A
	5001-R	2"x1"	4229-249	N/A
	5001-R	2"x1-1/2"	4229-251	N/A
CROSSES	5035	3/4"	4220-007	80009
	5035	1"	4220-010	80010
	5035	1-1/4"	4220-012	80011
	5035	1-1/2"	4220-015	80012

STANDARD FITTINGS

	NIBCO FIG. NO.	SIZE	SPEARS FIG. NO.	TYCO FIG. NO.
CROSSES	5035	2"	4220-020	80013
	5035	2-1/2"	4220-025	80014
	5035	3"	4220-030	80008
	5035-R	1"x3/4"x1"x3/4"	4220-131	80015
ELBOWS	5006	3/4"	4217-007	80050
	5006	1"	4217-010	80051
	5006	1-1/4"	4217-012	80052
	5006	1-1/2"	4217-015	80053
	5006	2"	4217-020	80054
	5006	2-1/2"	4217-025	80055
	5006	3"	4217-030	80056
	5007	3/4"	4206-007	80025
	5007	1"	4206-010	80026
	5007	1-1/4"	4206-012	80027
	5007	1-1/2"	4206-015	80028
	5007	2"	4206-020	80039
	5007	2-1/2"	4206-025	80030
	5007	3"	4206-030	80031
	5007-R	1"x3/4"	4206-131	80032
FLANGES	5019-H	3/4"	4253-007	N/A
	5019-H	1"	4253-010	N/A
	5019-H	1-1/4"	4253-012	N/A
	5019-H	1-1/2"	4253-015	N/A
	5019-H	2"	4253-020	N/A
	5019-H	2-1/2"	4253-025	N/A
	5019-H	3"	4253-030	N/A
	5051-A	3"	4254-030	N/A
	5051-2-A	3"	4256-030	N/A
	5051-H	3/4"	4251-007	N/A
	5051-H	1"	4251-010	N/A
	5051-H	1-1/4"	4251-012	N/A
	5051-H	1-1/2"	4251-015	N/A
	5051-H	2"	4251-020	N/A
	5051-H	2-1/2"	4251-025	N/A
	5051-H	3"	N/A	N/A
TEES	5011	3/4"	4201-007	8000
	5011	1"	4201-010	8001
	5011	1-1/4"	4201-012	8002
	5011	1-1/2"	4201-015	8003
	5011	2"	4201-020	80004
	5011	2-1/2"	4201-025	8005
	5011	3"	4201-030	80006
	5011-R	3/4"x3/4"x1"	4201-102	80132
	5011-R	1"x1"x3/4"	4201-131	80260
	5011-R	1"x3/4"x1"	4201-126	80134

BlazeMaster®
FIRE SPRINKLER FITTINGS

BlazeMaster® is a registered trademark of The Lubrizol Corporation.

NIBCO INC. WORLD HEADQUARTERS • 1516 MIDDLEBURY ST. • ELKHART, IN 46516-4740 • USA • PH: 1.800.234.0227
TECH SERVICES PH: 1.888.446.4226 • FAX: 1.888.336.4226 • INTERNATIONAL OFFICE PH: +1/574.295.3327 • FAX: +1/574.295.3455
www.nibco.com

CPVC Cross Reference Sheet

STANDARD FITTINGS

	NIBCO FIG. NO.	SIZE	SPEARS FIG. NO.	TYCO FIG. NO.
TEES	5011-R	1"x3/4"x3/4"	4201-125	80133
	5011-R	1-1/4"x1-1/4"x1"	4201-168	80262
	5011-R	1-1/4"x1-1/4"x3/4"	4201-167	80261
	5011-R	1-1/4"x1"x1-1/4"	4201-159	80137
	5011-R	1-1/4"x1"x1"	4201-158	80136
	5011-R	1-1/4"x1"x3/4"	4201-157	80135
	5011-R	1-1/4"x1-1/4"x1-1/2"	4201-169	80138
	5011-R	1-1/2"x1-1/2"x1-1/4"	4201-212	80275
	5011-R	1-1/2"x1-1/2"x1"	4201-211	80264
	5011-R	1-1/2"x1-1/2"x3/4"	4201-210	80263
	5011-R	1-1/2"x1-1/4"x1"	4201-202	80140
	5011-R	1-1/2"x1-1/4"x3/4"	4201-201	80140
	5011-R	1-1/2"x1-1/2"x2"	4201-213	N/A
	5011-R	2"x2"x1-1/2"	4201-251	80274
	5011-R	2"x2"x1-1/4"	4201-250	80267
	5011-R	2"x2"x1"	4201-249	80266
	5011-R	2"x2"x3/4"	4201-248	80265
	5011-R	2-1/2"x2-1/2"x2"	4201-292	80276
	5011-R	2-1/2"x2-1/2"x1-1/2"	4201-291	80273
	5011-R	2-1/2"x2-1/2"x1-1/4"	4201-290	80272
	5011-R	2-1/2"x2-1/2"x1"	4201-289	80271
	5011-R	3"x3"x2-1/2"	4201-339	80269
	5011-R	3"x3"x2"	4201-338	80268
	5011-R	3"x3"x1-1/2"	4201-337	80270
UNIONS	5033-E	3/4"	4257-007	N/A
	5033-E	1"	4257-010	N/A
	5033-E	1-1/4"	4257-012	N/A
	5033-E	1-1/2"	4257-015	N/A
	5033-E	2"	4257-020	N/A

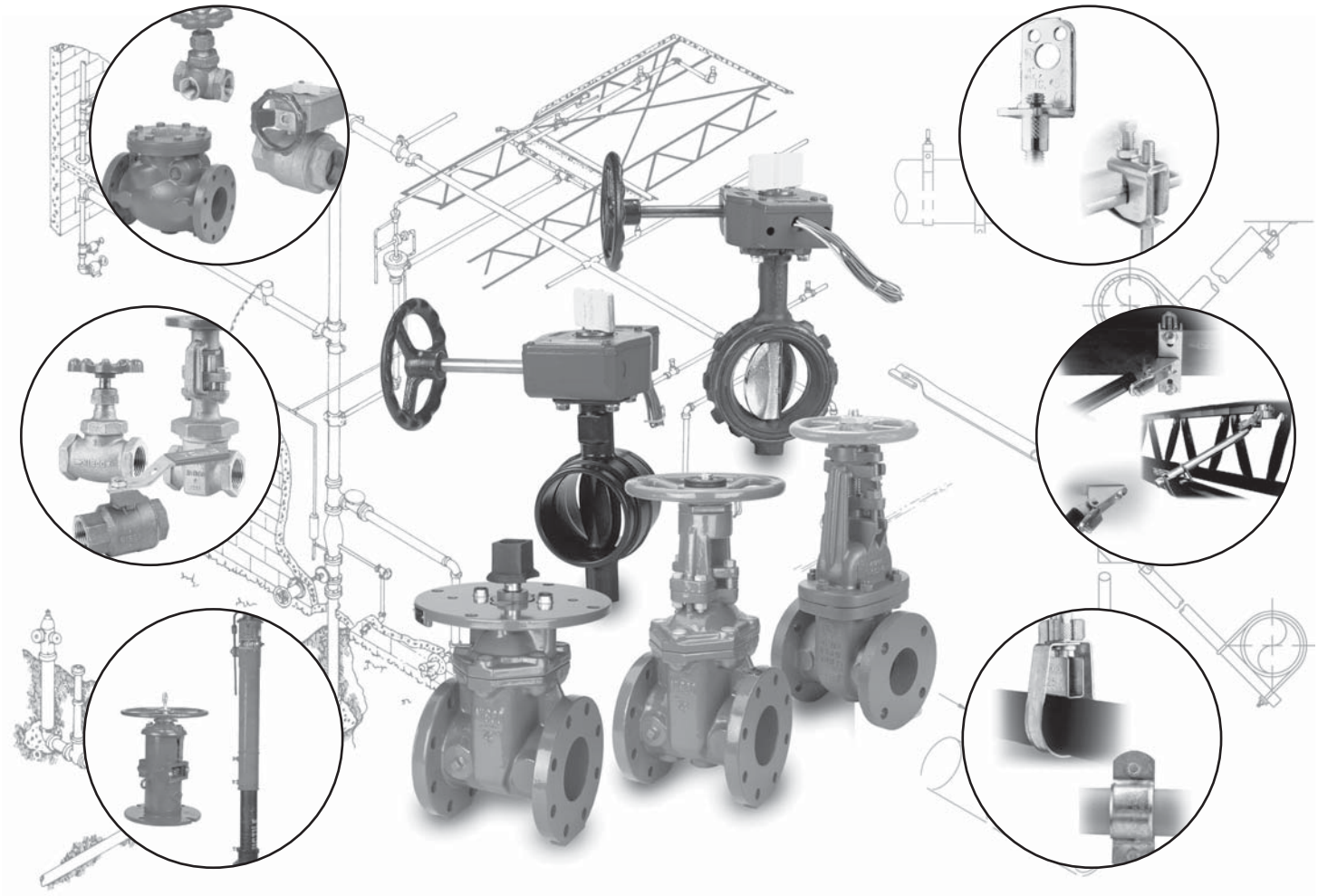
THREADED FITTINGS

	NIBCO FIG. NO.	SIZE	SPEARS FIG. NO.	TYCO FIG. NO.
ADAPTERS	5003-BI	3/4"	4235-007	80142
	5003-BI	1"	4235-010	80145
	5003-BI	1-1/4"	4235-012	80146
	5003-BI	1-1/2"	4235-015	80147
	5003-BI	2"	4235-020	80148
	5003-2-BI	3/4"	4278-007	N/A
	5003-2-BI	1"	4278-010	N/A
	5003-S-BI	3/4"x1/2"	4235-101	80175E or 80175W
	5003-S-BI	1"x1/2"	4235-130	80176E or 80175W
	5003-S-BI	1"x3/4"	4235-131	80179
	5003-2-S-BI	3/4"x1/2"	4238-101	N/A
	5003-2-S-BI	1"x1/2"	4238-130	N/A
	5004-BI	3/4"	N/A	80157
	5004-BI	1"	N/A	80158
	5004-BI	1-1/4"	N/A	N/A
	5004-BI	1-1/2"	N/A	N/A
	5004-BI	2"	N/A	N/A
CROSSES	5035-3-S-BI-S	1"x1"x1/2"x1/2"	N/A	80462
	5035-3-S-BI-L	1"x1"x1/2"x1/2"	N/A	80463
ELBOWS	5007-3-S-BI	3/4"x1/2"	4207-101	80199
	5007-3-S-BI	1"x1/2"	4207-130	80198
	5007-3-S-BI	1"x3/4"	4207-131	N/A
	5007-3-S-BI	1-1/4"x1/2"	4207-166	N/A
TEES	5011-3-3-S-BI-S	1/2"x1/2"x1"	N/A	80460
	5011-3-3-S-BI-L	1/2"x1/2"x1"	N/A	80459
	5012-S-BI	1"	4202-010	N/A
	5012-S-BI	3/4"x3/4"x1/2"	4202-101	80250
	5012-R-S-BI	1"x3/4"x1/2"	4202-124	N/A
	5012-S-BI	1"x1"x1/2"	4202-130	80251
	5012-R-S-BI	1"x1/2"x1"	4203-122	N/A
	5012-R-S-BI	1-1/4"x1"x1/2"	4202-156	80256
	5012-S-BI	1-1/4"x1-1/4"x1/2"	4202-166	80252
	5012-R-S-BI	1-1/2"x1-1/4"x1/2"	4202-199	80257
	5012-S-BI	1-1/2"x1-1/2"x1/2"	4202-209	80254
	5012-S-BI	2"x2"x1/2"	4202-247	80253
	5012-R-S-BI	2"x1-1/2"x1/2"	4202-237	80258
TEST PLUG	450-005	1/2"	4250-005	N/A

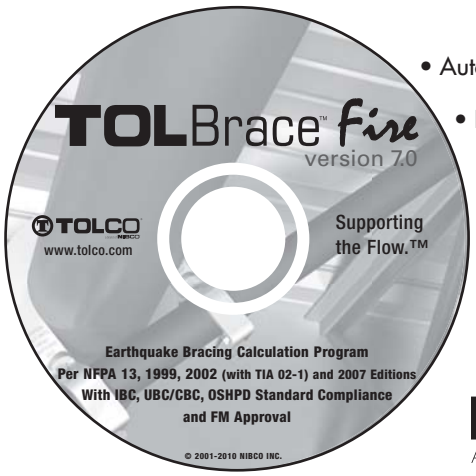
BlazeMaster® FIRE SPRINKLER FITTINGS

BlazeMaster® is a registered trademark of The Lubrizol Corporation.

NIBCO® Fire Protection Expertise
you can count on!



NIBCO represents a tradition of quality, service, highly specified valves and TOLCO support systems for the fire protection market. We offer a winning combination of fire protection solutions that meet industry standards including UL, ULC, FMRC and NYC.



- Automatic updates! Your TOLBrace™ will always be up to date!
- Easily imports TOLBrace™ calculations done on version 6.6 or earlier.
- Accommodates 1999, 2002 and 2007 NFPA 13 guidelines. 2010 coming soon!
- Performs Fp calculations with UBC or IBC formulas.
- TOLBrace™ has UL, FM and OSHPD approved loads.

NIBCO AHEAD OF THE FLOW® TOLCO a brand of NIBCO®

NIBCO INC. WORLD HEADQUARTERS • 1516 MIDDLEBURY ST. • ELKHART, IN 46516-4740 • USA • PH: 1.800.234.0227
TECH SERVICES PH: 1.888.446.4226 • FAX: 1.888.336.4226 • INTERNATIONAL OFFICE PH: +1/574.295.3327 • FAX: +1/574.295.3455
www.nibco.com

NOTES

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.

NIBCO INC. World Headquarters •1516 Middlebury St. • Elkhart, IN 46516-4740 USA • ***www.nibco.com***

how to order

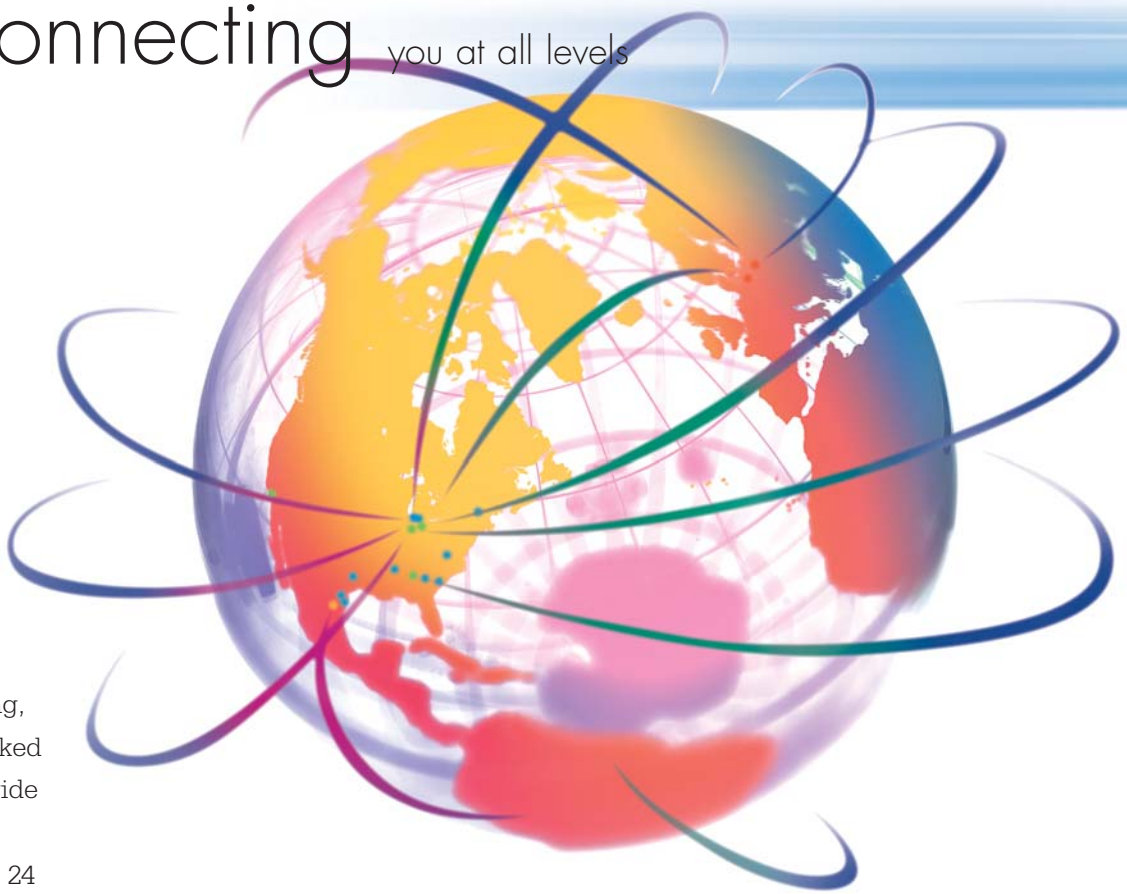
NIBCO sells its products through select stocking distributors. Our distributors are knowledgeable about plastics fittings as well as the complete line of NIBCO Fire Protection Systems.

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

NIBCO INC. Customer Service
World Headquarters
1516 Middlebury Street
P.O. Box 1167
Elkhart, IN 46515-1167
USA
Phone: 800.234.0227
Fax: 800.234.0557

To the best of our knowledge the information contained in this publication is accurate. However, NIBCO® does not assume any liability whatsoever for the accuracy or completeness of such information. Final determinations of the suitability of any information or product for the use to be contemplated is the sole responsibility of the user. The manner of that use, and whether there is any infringement of patents, is also the sole responsibility of the user.

globally connecting you at all levels



It's a new age of business, and a new way at NIBCO. From Elkhart, Indiana to Lodz, Poland, and points beyond, our company has integrated manufacturing, distribution, and networked communications to provide a seamless source of information and service, 24 hours a day, 7 days a week. But this integration hasn't happened overnight. It's been part of a long-term strategic process that has pushed us to reconsider every aspect of our business. The result? We're a vertically integrated manufacturer with the products and systems in place to deliver low cost and high quality. NIBCO® products are manufactured under a Quality Management System conforming to the current revision of ISO-9001 International Standards. We know the flow control industry is only going to get more demanding, and we are more than ready. We will continue to lead. That's what NIBCO is all about.

World Headquarters

Elkhart, Indiana

MANUFACTURING			DISTRIBUTION	INTERNATIONAL
Metal Valves and Fittings	Plastic Pipe, Valves, and Fittings	Industrial Plastics	International	U.S. Distribution Centers	Global Offices
* Blytheville, Arkansas	* Greensboro, Georgia	* Charlestown, Indiana	Reynosa, Mexico	Elkhart, Indiana	Elkhart, Indiana
McAllen, Texas	* Goshen, Indiana		* Lodz, Poland		Lodz, Poland
Nacogdoches, Texas	* Lebanon, Ohio				
* Stuarts Draft, Virginia					

*Denotes U.S. and International Direct Shipping Locations

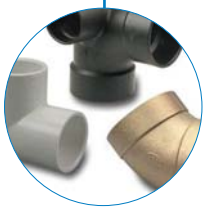
NIBCO INC. WORLD HEADQUARTERS • 1516 MIDDLEBURY ST. • ELKHART, IN 46516-4740 • USA • PH: 1.800.234.0227
TECH SERVICES PH:1.888.446.4226 • FAX: 1.888.336.4226 • INTERNATIONAL OFFICE PH: +1.574.295.3327 • FAX: +1.574.295.3455
www.nibco.com

FEATURING NIBCO® SYSTEMS

C-BLZM-0211

NIBCO® PEX Piping Systems • NIBCO® Press System®

FITTINGS



Wrot and cast copper pressure and drainage fittings • Cast copper alloy flanges • Wrot and cast press fittings • ABS and PVC DWV fittings • Schedule 40 PVC pressure fittings • CPVC CTS fittings • CPVC CTS-to-metal transition fittings • Schedule 80 PVC and CPVC systems • CPVC metric piping systems • CPVC BlazeMaster® fire protection fittings • Lead-Free* fittings

BlazeMaster® is a registered trademark of The Lubrizol Corporation.
*Weighted average lead content ≤0.25%

VALVES & ACTUATION



Pressure-rated bronze, iron and alloy-iron gate, globe and check valves • Pressure-rated bronze ball valves • Boiler specialty valves • Commercial and industrial butterfly valves • Circuit balancing valves • Carbon and stainless steel ball valves • ANSI flanged steel ball valves • Pneumatic and electric actuators and controls • Grooved ball and butterfly valves • High performance butterfly valves • UL/FM fire protection valves • MSS specification valves • Bronze specialty valves • Low pressure gate, globe, check and ball valves • Frostproof sillcocks • Quarter–turn supply stops • Quarter-turn low pressure valves • PVC ball valves • CPVC CTS ball valves • Just Right® recirculating valves • Bronze & Iron Y-Strainers • Lead-Free* valves

*Weighted average lead content ≤0.25%

CHEMTROL®



Thermoplastic pipe, valves and fittings in PVC, Corzan® CPVC, polypropylene and PVDF Kynar® • Pneumatic and electric actuation systems

Corzan® is a registered trademark of The Lubrizol Corporation. • Kynar® is a registered trademark of Arkema Inc.

eNIBCO

EDI—Electronic Data Interchange • VMI—Vendor Managed Inventory • NIBCO.com • NIBCOpartner.com



NIBCO®
AHEAD OF THE FLOW®

NIBCO INC. WORLD HEADQUARTERS WEB: www.nibco.com	1516 MIDDLEBURY STREET ELKHART, IN 46516-4740 USA	DOMESTIC CUSTOMER SERVICE PHONE: 800.234.0227 FAX: 800.234.0557	TECHNICAL SERVICE PHONE: 888.446.4226 FAX: 888.336.4226	INTERNATIONAL OFFICE PHONE: +1/574.295.3327 FAX: +1/574.295.3455

C-BLZM-0211 © 2011 NIBCO INC., All Rights Reserved.

Printed in U.S.A.