

BlazeMaster® **CPVC Fire Sprinkler Pipe & Fittings** **Submittal Sheet**

General Description

Tyco Fire & Building Products (TFBP) BlazeMaster CPVC Pipe and Fittings are designed exclusively for use in wet pipe automatic fire sprinkler systems. They are made from a specially developed thermoplastic compound composed of post chlorinated polyvinyl chloride (CPVC) resin and state of the art additives. TFBP BlazeMaster CPVC products are easier to install than traditional steel pipe systems, and at the same time, provide superior heat resistance and strength as compared to traditional CPVC and PVC piping materials used in the plumbing trade. Various adapters are available to connect CPVC pipe to metallic piping. All female pipe thread adapters have brass inserts for durability. Grooved adapters connect directly to grooved end valves and metallic pipe, with flexible grooved end couplings.

WARNING

*Tyco Fire & Building Products (TFBP) BlazeMaster CPVC Pipe and Fittings described herein must be installed and maintained in compliance with this document, as well as with the applicable standards of the National Fire Protection Association, in addition to the standards of any other authorities having jurisdiction. **Failure to do so may impair the performance of these devices.***

The owner is responsible for maintaining their fire protection system and devices in proper operating condition. The installing contractor or sprinkler manufacturer should be contacted with any questions.

Technical Data

Sizes

3/4" to 3"

Maximum Working Pressure

175 psi

Approvals

UL, FM, CUL, NSF, Dade County, LPCB, MEA, and the City of Los Angeles. (Refer to IH-1900, Rev. 0, January 2005 "Installation Instruction & Technical Handbook" for exact listing/approval information.)

Manufacture Source

U.S.A.

Material

- Pipe: ASTM F442, SDR 13.5
- Fittings: ASTM F438 (Sch. 40) and ASTM F439 (Sch. 80), ASTM F1970

Color

Orange



NOMINAL SIZE	AVERAGE O.D.	AVERAGE I.D.	WEIGHT lbs./ft.	WATER FILLED WEIGHT lbs./ft.	FT. OF PIPE PER LIFT	WEIGHT PER LIFT lbs.
3/4"	1.050"	0.874"	0.18	0.44	7875	1339
1"	1.315"	1.101"	0.26	0.67	5040	1320
1-1/4"	1.660"	1.394"	0.42	1.08	2835	1191
1-1/2"	1.900"	1.598"	0.54	1.41	2205	1213
2"	2.375"	2.003"	0.84	2.20	1260	1084
2-1/2"	2.875"	2.423"	1.26	3.26	1215	1531
3"	3.500"	2.952"	1.87	4.83	720	1344

FIGURE 1 — PIPE DIMENSIONS

Installation

Tyco Fire and Building Products (TFBP) BlazeMaster CPVC Pipe and Fittings are to be installed in accordance with IH-1900, Rev. 0, January 2005 "Installation Instruction & Technical Handbook".

Care and Maintenance

The owner is responsible for the inspection, testing, and maintenance of their fire protection system and devices in compliance with this document, as well as with the applicable standards of the National Fire Protection Association (e.g., NFPA 25), in addition to the standards of any authority having jurisdiction. The installing contractor or product manufacturer should be contacted relative to any questions.

It is recommended that automatic sprinkler systems be inspected, tested, and maintained by a qualified Inspection Service in accordance with local requirements and/or national codes.

NOTES

Before closing a fire protection system control valve for inspection or maintenance work on the fire protection system that it controls, permission to shut down the affected fire protection system must first be obtained from the proper authorities and all personnel who may be affected by this action must be notified.

After placing a fire protection system in service, notify the proper authorities and advise those responsible for monitoring proprietary and/or central station alarms.

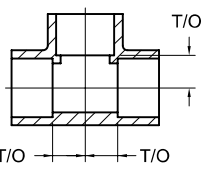
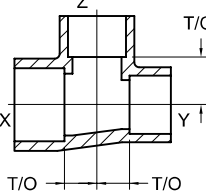
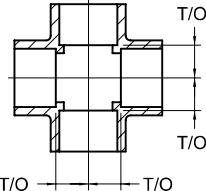
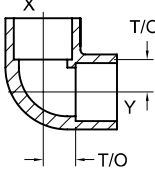
FITTING TYPE	PART NUMBER	NOMINAL SIZE	NOMINAL TAKE-OUT (T/O)			SCHD.	WEIGHT (lb.)
TEE 	80000	3/4"	5/8"			40	0.11
	80001	1"	11/16"			40	0.19
	80002	1-1/4"	7/8"			40	0.26
	80003	1-1/2"	1-1/16"			80	0.51
	80004	2"	1-3/8"			80	0.90
	80005	2-1/2"	1-9/16"			80	1.59
	80006	3"	1-13/16"			80	2.41
REDUCING TEE 		X x Y x Z	X	Y	Z		
	80132	3/4" x 3/4" x 1"	3/4"	3/4"	5/8"	40	0.14
	80133	1" x 3/4" x 3/4"	9/16"	9/16"	3/4"	40	0.14
	80134	1" x 3/4" x 1"	3/4"	11/16"	3/4"	40	0.17
	80260	1" x 1" x 3/4"	5/8"	5/8"	13/16"	40	0.16
	80135	1-1/4" x 1" x 3/4"	5/8"	5/8"	15/16"	40	0.21
	80136	1-1/4" x 1" x 1"	3/4"	3/4"	15/16"	40	0.22
	80137	1-1/4" x 1" x 1-1/4"	15/16"	15/16"	7/8"	40	0.26
	80261	1-1/4" x 1-1/4" x 3/4"	5/8"	5/8"	7/8"	40	0.23
	80262	1-1/4" x 1-1/4" x 1"	3/4"	3/4"	7/8"	40	0.26
	80138	1-1/4" x 1-1/4" x 1-1/2"	1"	1"	1"	80	0.43
	80140	1-1/2" x 1-1/4" x 3/4"	9/16"	9/16"	1"	80	0.36
	80141	1-1/2" x 1-1/4" x 1"	9/16"	9/16"	1-1/16"	80	0.38
	80263	1-1/2" x 1-1/2" x 3/4"	9/16"	9/16"	1"	80	0.36
	80264	1-1/2" x 1-1/2" x 1"	9/16"	9/16"	1-1/16"	80	0.38
	80275	1-1/2" x 1-1/2" x 1-1/4"	7/8"	7/8"	1"	80	0.45
	80265	2" x 2" x 3/4"	3/4"	3/4"	1-3/8"	80	0.61
	80266	2" x 2" x 1"	7/8"	7/8"	1-3/8"	80	0.66
	80274	2" x 2" x 1-1/4"	1-1/16"	1-1/16"	1-3/8"	80	0.74
	80267	2" x 2" x 1-1/2"	1-1/8"	1-1/8"	1-3/8"	80	0.78
	80271	2-1/2" x 2-1/2" x 1"	1-9/16"	1-9/16"	1-9/16"	80	1.43
	80272	2-1/2" x 2-1/2" x 1-1/4"	1-9/16"	1-9/16"	1-9/16"	80	1.46
	80273	2-1/2" x 2-1/2" x 1-1/2"	1-9/16"	1-9/16"	1-9/16"	80	1.48
	80276	2-1/2" x 2-1/2" x 2"	1-9/16"	1-9/16"	1-9/16"	80	1.50
	80270	3" x 3" x 1-1/2"	1-13/16"	1-13/16"	1-13/16"	80	2.28
	80268	3" x 3" x 2"	1-13/16"	1-13/16"	1-3/4"	80	2.25
	80269	3" x 3" x 2-1/2"	1-13/16"	1-13/16"	1-13/16"	80	2.44
CROSS & REDUCING CROSS 	80009	3/4"	9/16"			40	0.13
	80010	1"	11/16"			40	0.23
	80011	1-1/4"	15/16"			40	0.34
	80012	1-1/2"	1-1/16"			80	0.67
	80013	2"	1-5/16"			80	1.00
	80014	2-1/2"	1-9/16"			80	1.91
	80008	3"	1-13/16"			80	2.89
	80015	1" x 1" x 3/4" x 3/4"	7/8"			40	0.28
	80025	3/4"	5/8"			40	0.09
	80026	1"	3/4"			40	0.14
90° ELBOW & REDUCING ELBOW 	80027	1-1/4"	7/8"			40	0.21
	80028	1-1/2"	1-1/16"			80	0.40
	80029	2"	1-5/16"			80	0.79
	80030	2-1/2"	1-9/16"			80	1.14
	80031	3"	1-13/16"			80	1.82
		X x Y	X	Y			
	80032	1" x 3/4"	11/16"	13/16"		40	0.16

FIGURE 2 — FITTING DIMENSIONS (Part 1 of 4)