

Plastic Pipe and Fittings

Plastic pipe and fittings are FM Approved for only aboveground wet pipe fire protection systems protecting a HC-1 hazard category (see Table 1 of FM Global Data Sheet 3-26, Fire Protection Water Demand for Non-storage Sprinklered Properties, for a listing of occupancies defined as HC-1). Except where noted otherwise, all pipe and fittings must be completely separated by nonremovable, fire resistant barriers from any area protected by the system. A nonremovable barrier cannot be removed without substantial cosmetic damage. A fire-resistant barrier has a minimum finish fire rating of 15 minutes when tested per ASTM E 119. Except for minimal exposure at a sprinkler connection, the intent is that the sprinkler system will not be exposed to a fire environment. Rated working pressure is 175 psi (1205 kPa) at 120°F (49°C). Manufacturer's installation instructions must be strictly followed to ensure proper performance. The use of these pipes and fittings is prohibited in areas where seismic protection is required. When used in hybrid sprinkler systems composed of steel and plastic piping please refer to steel pipe listings for acceptability.

BLAZEMASTER CPVC Schedule 40 fittings

BLAZEMASTER CPVC Schedule 40 fittings, joined by solvent cement using BM-5 One Step CPVC solvent cement. For joints using threaded fittings (plastic to plastic, metal to plastic) Teflon tape is recommended. Pressure rating is 175 psi (1205 kPa) at 150°F (66°C).

Approved for exposed use when all of the following criteria are met:

- Occupancy must be covered in Data Sheet 3-26, Fire Protection Water Demand for Non-storage Sprinklered Properties, Table 1, Hazard Category HC-1.
- Sprinklers must have quick response thermal sensing elements.
- Sprinkler systems must be wet pipe type.

Designation	Product Description	Nominal Pipe Size, in.
148420	Sch. 40 Elbow 45° (Soc x Soc)	3/4
148421	"	1
148422	"	1 1/4
148431	Sch. 40 Elbow 90° (Soc x Soc)	3/4
148432	"	1
148433	"	1 1/4
148400	Sch. 40 Cap (Soc)	3/4
148401	"	1
148402	"	1 1/4
148407	Sch. 40 Coupling (Soc x Soc)	3/4
148408	"	1
148409	"	1 1/4
048023	Sch. 40 Female Adapter (Soc x SR Fipt)	3/4
048025	"	1 1/4
048036	"	1 1/2
048035	"	2

148502	Sch. 40 Reducer Tee (Soc x Soc x Soc)	1 1/4 x 1 1/4 x 3/4
148504	"	1 1/4 x 1 1/4 x 1
048028	SHA (Soc x SR Fipt)	1 x 3/4
048029	SHA (Spig x SR Fipt)	3/4 x 1/2
048021	Sch. 40 SHA 90° Elbow (Soc x SR Fipt)	1 x 3/4
048022	"	1 1/4 x 1/2
048008	Sch. 40 SHA Tee (Soc x Soc x SR Fipt)	1 x 1 x 1
048013	"	1 1/4 x 1 x 1/2
048014	"	1 1/4 x 1 1/4 x 1/2
048015	"	1 1/2 x 1 1/4 x 1/2
048016	"	1 1/2 x 1 1/2 x 1/2
048017	"	2 x 1 1/2 x 1/2
048018	"	2 x 2 x 1/2

Soc = Solvent Weld Socket
 Spig = Spigot End
 Fipt = Female Iron Pipe Thread

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New/Updated Product Listing:	No
Listing Country:	Canada
Certification Type:	FM Approved