

## System No. F-A-2313

4. Through Penetrants — One nonmetallic pipe or conduit to be installed within the firestop system. Pipe or conduit to be rigidly supported on both sides of floor-ceiling assembly. For W Rating with Water Barrier Module (Item 3A), pipe shall be installed from bottom of device. The following types and sizes of nonmetallic pipes or conduits may be used:

A. Polyvinyl Chloride (PVC) Pipe — Nom 4 in. (102 mm) diam (or smaller) Schedule 40 solid or cellular core PVC pipe for use in closed (process or supply) or vented (drain, waste or vent) piping systems.

B. Chlorinated Polyvinyl Chloride (CPVC) Pipe — Nom 4 in. (102 mm) diam (or smaller) SDR13.5 CPVC pipe for use in closed (process or supply) piping systems.

Nom Pipe Diameter ++ (See Item 5 also)	Firestop Device	T Rating - Hr
1-1/2 in. to 2 in. (38 to 51 mm)	CFS-CID MD P(X) 2"	2
3 in. (76 mm)	CFS-CID MD P(X) 4"	0
3 in. (76 mm)	CFS-CID MD P(X) 3"	2
4 in. (102 mm)	CFS-CID MD P(X) 4"	2

++ L Rating applies only when the nom diam of pipe equals size of device (2 in. diam pipe in 2" device etc.)

\* Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.



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<sup>5.</sup> Packing Material — (Not Shown) When pipe sizes are less than those shown in the above table, a 4 in. (102 mm) thickness of 4 pcf (64 kg/m3) mineral wool insulation shall be firmly packed to the fullest extent possible within annulus above smoke seal gasket flush with top surface of device, and the T Rating is 0 hr.