

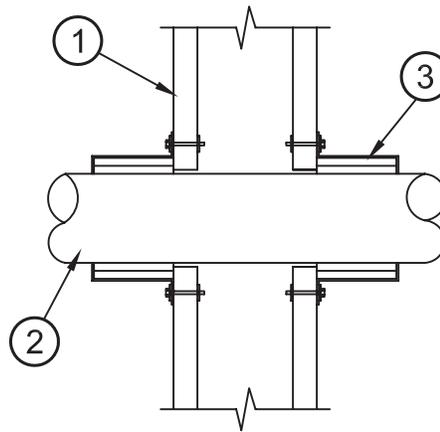
3M CANADA CO. – London, On Canada

DESIGN NO. 3M/PV 120-01

October 02, 2006

VERTICAL (WALL), RATINGS – SEE BELOW, ANNULAR SPACING - 1/4" MAXIMUM
TEST PRESSURE DIFFERENTIAL – 50 Pa (0.20" OF WATER)

Penetrant	Pipe Size	CAN/ULC-S115 CAN/4-S115 F, FH, FT, FTH	ASTM-E814 F, T
PVC	1-1/2" - 4"	1 & 2 Hr	1 & 2 Hr
System XFR	1-1/2" - 4"	1 & 2 Hr	1 & 2 Hr
CPVC	1-1/2" - 4"	1 & 2 Hr	1 & 2 Hr
ccABS	1-1/2" - 4"	1 & 2 Hr	1 & 2 Hr
ABS	1-1/2" - 4"	1 & 2 Hr	1 & 2 Hr
FRPP	1-1/2" - 4"	1 & 2 Hr	1 & 2 Hr
PVC - Thin Wall	2"	1 & 2 Hr	1 & 2 Hr
PVDF	1-1/2" - 4"	F: 1 & 2 Hr T: 0 Hr	F: 1 & 2 Hr T: 0 Hr



1. **Wall Assembly:** Code conforming 1 or 2 hour fire-rated wall, metal or wood framed gypsum wallboard, wall assembly.
2. **Penetrant:** (See table of ratings) Nominal 4" diameter, Schedule 40, ccABS, ABS, PVC, System XFR, CPVC, FRPP, PVDF pipes for use in DWV (Drain, Waste and Vent) or Closed (Process and Supply) piping systems and PVC-Thin Wall Vacuum tubing (nominal 2" diameter), ratings achieved will equal that of the wall assembly.
3. **Firestop System Components:**
 - a) *3M™ Interam™ Ultra PPD or *3M™ Fire Barrier Ultra RC Pack, sized appropriately for pipe, secure to wall surface with *3M™ Ultrafast™ Anchors or 3/16" diameter steel toggle bolts (5/8" or 1-1/4" grip) in conjunction with minimum 1-1/2" diameter steel washers.
Use *3M™ Interam™ Ultra PPD-1.5 for 2" PVC-Thin Wall Vacuum Tubing.

3M™ Interam™ Ultra PPD Size Chart

Device	Nominal Pipe ID	Max. Hole Size
PPD-1.5	1-1/2"	2-1/2"
PPD-2	2"	3"
PPD-3	3"	4"
PPD-4	4"	5"

3M™ Fire Barrier Ultra RC Pack Size Chart

Device	Nominal Pipe ID	Max. Hole Size
RC Pack 2	2"	3"
RC Pack 3	3"	4"
RC Pack 4	4"	5"

- b) **Caulk (Optional) – *3M™ Fire Barrier CP-25WB+ Caulk, *3M™ Fire Barrier IC 15WB+ Sealant or *3M™ FireDam 150+ Caulk, to fill the annular space at the pipe penetration as a smoke seal.

CPVC Pipe – use only *3M™ Fire Barrier IC 15WB+ Sealant

Note: Metric conversion factor, inches x 25.4 = mm.

*Components bearing the Warnock Hersey Certification Mark.

**May be used, however, is not required to achieve stated ratings.

This material was extracted and drawn by 3M Fire Protection Products from the 2006 Warnock Hersey Directory of Listed Products