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## **TECHNICAL SPECIFICATION**

### **CPVC Gas Venting System NAPCO GVS-90 Schedule 40 Pipe and Schedule 40/80 Fittings**

#### **SCOPE**

This specification covers the requirements for CPVC (chlorinated polyvinyl chloride) GVS-90 pipe and fittings. The pipe and fittings are available in nominal sizes of 1 ½", 2", 2 ½", 3", 4", 6" and 8". The pipe and fittings are certified together as a system by Intertek Testing Services to CAN/ULC S636 as a Type BH, Class IIB, Gas Vent, for use with appliances with flue gas temperature of up to and including 90° C. This product requires zero clearance to combustibles. The pipe and fittings are certified as a system and cannot be installed with pipe and fittings produced by other manufacturers. The pipe and fittings shall be assembled using only primer (purple or clear) and solvent cement (orange) listed as part of the NAPCO GVS-90 system.

#### **MATERIALS**

The pipe and fittings are manufactured from virgin CPVC compound meeting the cell classification requirements of 23447 as defined by the American Society of Testing and Materials (ASTM) standard D 1784: *Standard Specification for Rigid PVC Compounds and CPVC Compounds*.

#### **MARKING**

Pipe and fitting markings are as specified in CAN/ULC S636.

#### **PIPE**

The pipe is manufactured as a plain end, Schedule 40 pipe with dimensions as shown below.

#### **FITTINGS**

The fittings are manufactured to meet Schedule 40 and 80 fitting dimensions. Please contact NAPCO for available fitting configurations.

#### **TEST REQUIREMENTS**

Quality testing is as per NAPCO's Quality Assurance program.



**FLAME SPREAD AND SMOKE DEVELOPED RATING**

This pipe is certified by Intertek Testing Services to ULC S102.2 with a flame spread (FS) rating of 5 and a smoke developed (SD) rating of 25.

**PIPE DIMENSIONS**

Nominal Size in (mm)	Outside Diameter (O.D.) in	Wall Thickness (t) in	Overall Length (L) ft
1-1/2 (40)	1.894 – 1.906	0.145 – 0.165	10 Plain End
2 (50)	2.370 – 2.381	0.154 – 0.174	
2 ½ (65)	2.868 - 2.882	0.203 - 0.227	
3 (75)	3.492 – 3.508	0.216 – 0.242	
4 (100)	4.496 – 4.504	0.237 – 0.265	
6 (150)	6.614 – 6.636	0.280 – 0.314	
8 (200)	8.610 – 8.638	0.322 – 0.361	

