



## Model 7700 Inline Flame Arrester

### **OBJECTIVE**

The Model 7700 inline flame arrester can be installed in the end nozzle for various kinds of flammable low pressure storage tanks (where ignition point is below 149° F) with easy coupling. The explosion and deflagration proof design blocks the influx of flames which could ignite externally into the tank.

### **TECHNIQUE**

The crimped 316L metal ribbon permits vapor to pass through while allowing a vessel to breath. This prevents propagation of the flame from the exposed side to the protected side. This is done by the absorption of heat by the element itself.

### **CONSTRUCTION**

**Housing Material:** Available Stainless Steel.

**Trim Material:** 316L SST Element. Standard flame cell is suitable for NEC group D or IEC IIA gases. Cells for other gas groups are available upon request.

### **SPECIAL FEATURES**

The Model 7700 is designed, manufactured, and tested according to API 2000 and British Standard Specification Code BS7244.

**Easy Maintenance.** The Model 7700 vent is a passive device with no moving parts, elements can be removed for cleaning in appropriate solvent solution.

### **Sizes:**

Units are available in 1" thru 4" line size.



**SPECIFICATIONS**

DIMENSIONS – Standard Construction for Carbon Steel & Stainless Steel Housing & Stainless Steel Element		
SIZE	A	B
1"	3.94"	4.53"
1 1/2"	3.94"	4.53"
2"	3.94"	4.53"
4"	8.15"	8.27"

**7700 Series PRODUCT CODE**

02/17/06



TABLE 1 SIZE	
Size	CODE
1"	2
1 1/2"	3
2"	4
4"	6

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