

**CITY OF NEW YORK  
DEPARTMENT OF BUILDINGS**

Pursuant to Administrative Code Section 27-131, the following equipment or material has been found acceptable for use in accordance with the Report of Materials and Equipment Acceptance (MEA) Division.

Satish K. Babbar, R.A., Acting Commissioner

**MEA 119-00-M  
Report of Material and Equipment Acceptance Division**

**Manufacturer - Nailor Industries Inc., 4714 Winfield Road, Houston, Texas**

**Trade Name - Nailor.**

**Product - Combination Fire/smoke damper.**

**Pertinent Code Section(s) - RS-13, Chapter III 3-3.7.1 and RS-13 Chapter IV 4-4.1.1.**

**Prescribed Test(s) - UL 555 and UL 555S.**

**Laboratory - Underwriters Laboratories Inc.**

**Test Report(s) - UL File R9492, dated September 3, 1997 and March 20, 2000 and June 2, 2000.**

**Description - Model series 1220 is a single and multi-blade combination fire and leakage rated damper rated 1 1/2 and 3 hours and leakage Class I. The damper frame is a hat shaped channel made of 16 gauge galvanized steel reinforced with die-formed corner gussets button-locked to the frame. Double skin design airfoil blades are double bolted onto 1/2" (13) axles that rotate within oilite bronze bearings pressed through the frame. The out-of-airstream maintenance-free blade linkage is made of 12-gauge zinc plated cold rolled steel. Side (or jamb) seals located between ends of blade(s) and sides of damper frame are made of type 302 stainless steel. The unique interlock design of the double-skin airfoil blade provides a complete synthetic blade seal. One jackshaft assembly with a twist type closure spring is used on each damper. The fusible link is a U.L. listed soldered type rated at 165°F (74°C, 212°F(100°C), 250°F(121°C), or 350°F(177°C). Model 1220 has no sleeve and may have an actuator mounting plate; model 1221 has a sleeve; model 1222 has a sleeve and square/rectangular reducer collar; model 1221 has a sleeve and round/oval reducer collar; model 1221-OW is for mounting outside the wall with sleeve.**

**Fire and Leakage Rated Damper, Model 1220/D1220**

Installation	Single Section				Multiple Assemblies			
	Width		Height		Width		Height	
	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.
Vertical 1-1/2 h	12	36	8	48	12	144	16	96
Vertical 3 h	12	36	8	48				
Horizontal 1-1/2 h	12	36	8	48	12	144	16	96
Horizontal 3 h	12	36	8	48				

The nomenclature for the Model 1220 series damper is as the following:

- Model 1220, no sleeve and may have actuator mounting plate
- Model 1221, with sleeve
- Model 1222, sleeve with square/rectangular reducer collar
- Model 1223, sleeve with round/oval reducer collar
- Model 1221-OW, damper is mounted outside wall with sleeve

Recommendation - That the above combination fire and smoke dampers be accepted in accordance with their Underwriters Laboratories Inc. rating of 3 hours on condition that all uses, locations and installations shall comply with the New York City Building Code and the manufacturer's installation instructions. All shipments and deliveries of such materials shall be accompanied by a certificate or label certifying that the materials shipped or delivered are equivalent to those tested and acceptable for use.

Final Acceptance AUG 24 2000

Examined By S Derkhdam