



the standard in safety

Underwriters  
Laboratories

File R26338

Vol 1

Issued: 2009-06-12

Revised: 2009-06-12

FOLLOW-UP SERVICE PROCEDURE  
(TYPE R)

DISCRETE PRODUCTS INSTALLED IN AIR-HANDLING SPACES  
(BHZF)

Manufacturer: HYDRA-ZORB CO  
(132868-001) 2450 COMMERCIAL DR  
AUBURN HILLS MI 48326

Applicant: SAME AS MANUFACTURER  
(132868-001)

Classified Company: SAME AS MANUFACTURER  
(132868-001)

This Procedure authorizes the above manufacturer to use the marking specified by Underwriters Laboratories Inc.(UL), or any authorized licensee of UL, only on products covered by this Procedure, in accordance with the applicable UL Services Agreement.

The prescribed Mark or Marking shall be used only at the above manufacturing location on such products which comply with this Procedure and any other applicable requirements.

The Procedure contains information for the use of the above named Manufacturer and representatives of Underwriters Laboratories Inc. and is not to be used for any other purpose. It is lent to the Manufacturer with the understanding that it is not to be copied, either wholly or in part, and that it will be returned to Underwriters Laboratories Inc. (UL) or any authorized licensee of UL, upon request.

This PROCEDURE, and any subsequent revision, is the property of Underwriters Laboratories Inc.(UL) and the authorized licensee of UL and is not transferable.

Underwriters Laboratories Inc.

Stephen Hewson  
Senior Vice President  
Global Follow-Up Service Operations

William R. Carney  
Director  
North American Certification Program

## Classification Mark Data Page

(FILE IMMEDIATELY AFTER AUTHORIZATION PAGE)

CLASSIFICATION MARKCOMPOSITION AND ELEMENT:

The Classification Mark shall consist of the following and shall appear on the product or smallest unit container.

+

**AS TO HEAT RELEASE RATE AND SMOKE OPTICAL DENSITY ONLY  
42ZL**

+ The product name or other appropriate product description as shown in the individual Classifications

MARKING:

The following symbol must be located adjacent to or in close proximity to the regular Classification Mark as shown above.



The minimum height of the registered trademark symbol ® shall be 3/64 of an inch. When the overall diameter of the UL Mark is less than 3/8 of an inch, the trademark symbol may be omitted if it is not legible to the naked eye.

PROCUREMENT:

The manufacturer may reproduce the mark or obtain it from a UL authorized supplier. The list of UL authorized label suppliers can be found on UL's online directory at [www.ul.com](http://www.ul.com).

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## APPENDIX A

## FIELD REPRESENTATIVE:

## GENERAL

During each regular inspection, the field representative shall review the manufacturer's production records of product produced since the previous inspection to determine compliance with the Procedure specifications. In addition, the field representative shall witness a production run of the product and accomplish the following:

1. Observe the manufacturing process, witness the various processes involved in the production of the finished product to determine compliance with the general description under "Manufacturing Process" in the appropriate Procedure section.
2. Determine that the identification of the component materials is as indicated in the Procedure section.
3. Determine that the width and thickness are as described in the Procedure section.

## PROCEDURE IN CASE OF FAILURE

If the products are manufactured from a material other than the material described, the shipment should be held pending a review of the material's profile. Any other changes should be noted in the inspection report.

APPENDIX B

SAMPLES FOR NORTHBROOK OFFICE:

Once each year, select the following samples, mark with the appropriate identification and forward to the Fire Protection Division at Northbrook:

1. Two complete Clamp Assemblies of Model 200600

## APPENDIX C

## INSTRUCTIONS FOR FOLLOW-UP TESTS AT UL

## GENERAL

The samples forwarded to the Fire Protection Division shall be subjected to the appropriate burning test in accordance with Standard, UL2043.

## SAMPLE MOUNTING

The two clamp assemblies shall be mounted on a 12-inch section of 6-inch diameter (nominal) steel pipe. Two short sections of anchor channel are needed to complete the installation. One clamp assembly shall be centered 3-inches from the end of the pipe section. The other clamp assembly shall be centered 3-inches from the other end of the pipe. Refer to ILL-1. The assembled pipe section shall be suspended over the center of the sand burner.

## APPENDIX D

MANUFACTURER'S RESPONSIBILITIES AND  
REQUIREMENTS FOR FACTORY TESTS

## MANUFACTURER'S RESPONSIBILITIES:

The manufacturer's responsibilities include, but are not limited to:

Restrict the use of markings that reference UL (either directly or by use of the name, an abbreviation of it, or the UL Classification Mark, or indirectly by means of agreed-upon markings that are understood to indicate acceptance by UL) to those products that are found by the manufacturer's own inspection to comply with the Follow-Up Service Procedure description. Use of such markings is further limited by the agreements that have been executed by the subscriber and UL.

Conduct the Factory Tests detailed in the Appendix.

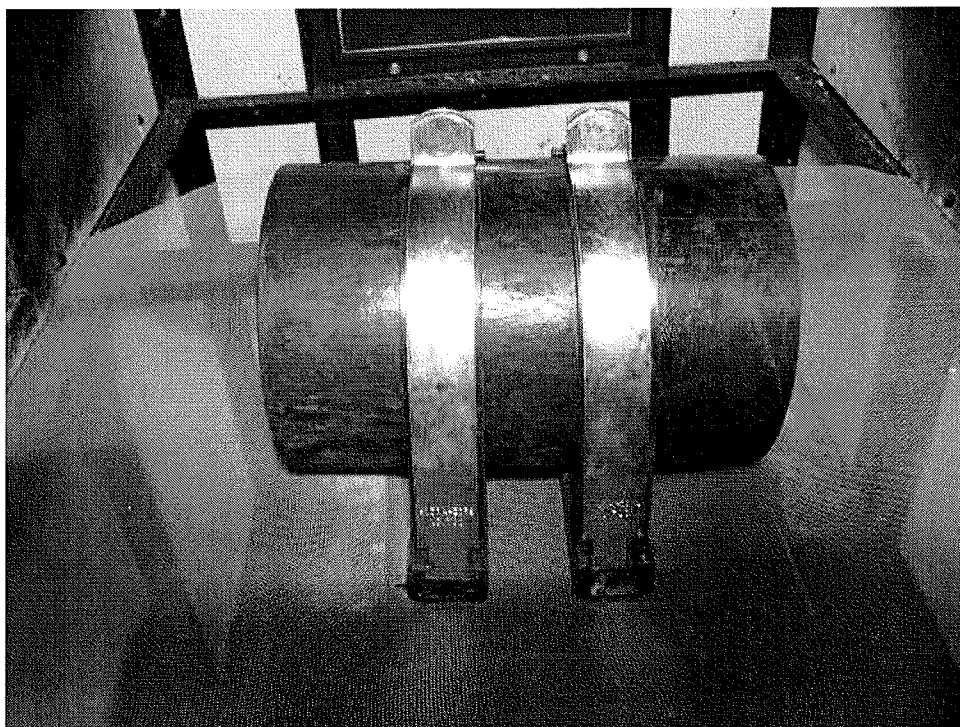
Determine that the test equipment is functioning properly and have it calibrated annually, or whenever it has been subject to abuse (such as being dropped or struck with an object) or its accuracy is questionable. Calibration may be by the manufacturer or an outside laboratory. In either case, it shall be by comparison with a standard that is traceable to the applicable U.S. or foreign National Standard. Certification of calibration shall be maintained by the manufacturer until the next succeeding certification, and shall be readily available for review by the UL Field Representative.

Maintain records of test performance. The records shall include the name or designation of the product or component tested, the date of production, the tests performed, number of units tested, test results and action taken on rejections. Specific information is required when recording test results. Records for test performance shall be retained for six (6) months and shall be readily available for review by the UL Field Representative.

Exception: Records of test results need not be maintained for 100 percent Production-Line Tests.

## REQUIREMENTS FOR FACTORY TESTS:

The manufacturer shall verify that the thickness and width are as per the procedure description.



C090835848



## GENERAL

## PRODUCT COVERED

Cushion Clamp Assembly

## FACTORY LOCATION AND IDENTIFICATION:

The fastener covered by this Procedure is produced at the following location. The factory identification code (if applicable) is marked in close proximity to the product designation.

Location	Factory Identification
Auburn Hills , MI	Not required

## PRODUCT MARKING:

The products conforming to the specifications detailed within this Follow Up Service Procedure the section which are produced under the Follow-Up Service Program are eligible to bear the Classification Marking shown on the Classification Marking Data Page. In addition to the Marking, the product or smallest package is to contain the following information:

1. Classified Company's name or "R26338"
2. Product Designation
3. Factory location identifier. (If required)

## DESCRIPTION

## PRODUCT COVERED:

Cushion Clamp Assemblies in the sizes specified in the following table

Tube O.D.	Clamp Assembly Part No	Cushion Drawing No.
.250	100025	1 .250
.312	100031	1 .312
.375	100037	1 .375
.470	100047	1 .470
.500	100050	1 .500
.625	100062	1 .625
.750	100075	1 .750
.875	100087	1 .875
1.000	100100	1 1.00
1.125	100112	1 1.12
1.190	100119	1 1.19
1.250	100125	1 1.25
1.375	100137	1 1.37
1.500	100150	1 1.50
1.625	100162	1 1.62
1.750	100175	1 1.75
1.875	100187	2 1.50
2.000	100200	1 2.00
2.125	100212	1 2.12
2.250	100225	1 2.25
2.375	100237	2 2.00
2.500	100251	1 2.51
2.625	100262	1 2.62
3.000	100300	1 3.00
3.125	100312	1 3.12
3.625	100362	2 3.00
4.125	100412	2 3.50

Table continued on next page.

## PRODUCT COVERED (Continued):

Nominal Pipe Size	Clamp Assembly Part No	Cushion Drawing No.
.250	200025	2 .250
.375	200037	2 .375
.500	200050	2 .500
.750	200075	2 .750
1.000	200100	2 1.00
1.250	200125	2 1.25
1.500	200150	2 1.50
2.000	200200	2 2.00
2.500	200250	2 2.50
3.000	200300	2 3.00
3.500	200350	2 3.50
4.000	200400	2 4.00
5.000	200500	2 5.00
6.000	200600	2 6.00

## MANUFACTURING PROCESS:

The cushion manufacturing process consists of the following:

- A. The raw plastic pellets are a Styrene-Ethylene-Butylene-Styrene based thermoplastic elastomer.
- B. The pellets are injected molded into the finished product.
- C. Maximum of 20 percent regrind can be used in the manufacturing process.
- D. Refer to ILL. 1 for dimensions and tolerances of the cushion.
- E. Product is packaged with metallic components and marked in accordance with the Listing Mark Data page.

## RAW MATERIAL:

The plastic pellets used in the injection molding process are manufactured by Multibase, A Dow Corning Company, model Multi-Flex TES A 9110 EV1.

Various metallic components make up the remainder of the clamp assembly.