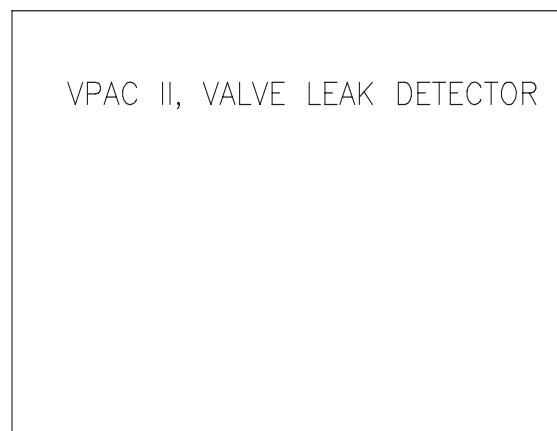


| ZONE | REV. | DESCRIPTION                | DATE     | APPROVED |
|------|------|----------------------------|----------|----------|
|      | 0    | INITIAL RELEASE            | 4/26/11  | IC       |
|      | 1    | CHANGE BATTERY PACK        | 7/21/11  | IC       |
|      | 2    | ADD CONDITIONS OF USE 4881 | 8/31/11  | IC       |
|      | 3    | CHANGES PER CO 10956       | 05/06/24 | EPL      |

HAZARDOUS (CLASSIFIED) LOCATION

**Ex** II 1 G Ex ia IIC T3 Ga;  $-20^{\circ}\text{C} \leq T_a \leq +55^{\circ}\text{C}$

CLASS I DIVISION 1 GROUP A,B,C,D T3,  $T_a=55\text{C}$



NOTE 2  
 SENSOR  
 D9203-IS  
 or  
 D9241-IS

NOTE 3  
 SENSOR  
 VS9203-IS  
 VALVE SQUEAK

**MISTRAS GROUP INC.** Products and Systems Division  
*Sound Technology for Safety and the Environment*

MISTRAS Group  
 195 Clarksville Road  
 Princeton Junction  
 NJ 08550-5305, USA  
 www.mistrasgroup.com

**WARNING/ATTENTION:**  
 SUBSTITUTION OF COMPONENTS MAY IMPAIR INTRINSIC SAFETY.  
 LA SUBSTITUTION DES COMPOSANTS PEUT ALTÉRER UN DÉFAUT DE SÉCURITÉ.

**Ta=55°C**  
**INTRINSICALLY SAFE FOR CLASS I DIVISION 1 GROUPS A,B,C,D T3**

**-20°C ≤ Ta ≤ +55°C**  
**Ex ia IIC T3 Ga**  
**IECExFMG24.0013X**

**CE** 2809 **Ex** **UK** CA 1725 **II 1 G**  
 FM24ATEX0015X  
 FM24UKE0007X

SEE DRAWING 5133-6000

**WARNING/ATTENTION:**  
 REPLACE BATTERIES IN NON-HAZARDOUS AREA!  
 REMPLACER LES PILES DANS DES ZONES NON-DANGEREUSES!

**Model: VPAC-II** S/N:

**MADE IN USA**

CONDITIONS OF USE:

1. THE MODEL 5133 VP AC II VALVE LEAK DETECTOR MAY ONLY BE USED WITH THE MODEL D9203-IS VPAC RESONANT AE SENSOR, MODEL DS9241-IS LOW FREQUENCY VPAC SENSOR AND MODEL VS9203-IS VALVE-SQUEAK SENSOR WITH BUILT IN WAVEGUIDE.
2. CABLE CONNECTING D9203-IS OR D9241-IS SENSOR TO VPAC II IS INTEGRAL PART OF SENSOR AND HAS LENGTH 6' ±1".
3. VS9203-IS SENSOR TO BE CONNECTED DIRECTLY TO VPAC II AND SECURED TO DETECTOR'S BODY.
4. VPAC II, INTRINSICALLY SAFE VALVE LEAK DETECTOR TO BE USED WITH BATTERY PACK P/N: 5133-5095 ONLY. THIS BATTERY PACK CONTAINS 4 NH15 RECHARGEABLE CELLS AND PROTECTION CIRCUIT FOR SAFE OPERATION.
5. REPLACEMENT OF BATTERY PACK IS ALLOWED IN NON-CLASSIFIED (SAFE) AREAS ONLY.
6. CHARGE OF BATTERY PACK IS ALLOWED IN NON-CLASSIFIED (SAFE) AREAS ONLY.
7. THE MODEL 5133 VPAC II VALVE LEAK DETECTOR HOUSING CONTAINS ALUMINUM AND IS CONSIDERED A POTENTIAL RISK OF IGNITION BY IMPACT OR FRICTION. CARE MUST BE TAKEN INTO ACCOUNT DURING INSTALLATION AND USE TO PREVENT IMPACT AND FRICTION.
8. TO AVOID ELECTROSTATIC DISCHARGE CLEAN PLASTIC SURFACES WITH DAMP CLOTH.

**COMPANY PRIVATE**

**IS Certified Product**

No modifications permitted without reference to Approval Agency

This document contains proprietary information which is the property of Mistras Group Inc and is delivered to you with our products solely for the purpose of properly operating them and maintaining them. This information shall not be duplicated, used or disclosed in whole or in part without written permission of the Mistras Group Inc.

|                                  |  |  |  |                                      |  |  |  |
|----------------------------------|--|--|--|--------------------------------------|--|--|--|
| PROJECTION<br>                   |  | UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE:<br>FRACTIONS ±1/64 DECIMALS .XX ±.010 ANGLES ±1°<br>.XXX ±.005 |  | PROJECT NO.<br><b>41013932</b>       |  | <b>© 2024</b><br>195 CLARKSVILLE ROAD<br>PRINCETON JCT, NJ 08550 |  |
| MATERIAL<br>N/A                  |  | FINISH<br>N/A  |  | APPROVALS<br>DRAWN IC DATE 7/21/11   |  | TITLE:<br><b>VPAC II, CONTROL DRAWING</b>                        |  |
| NEXT ASSY USED ON<br>APPLICATION |  | DO NOT SCALE DRAWING   |  | SIZE <b>B</b> FILE NAME 5133-6000_R3 |  | DRAWING NO.<br><b>5133-6000</b>                                  |  |
|                                  |  |  |  | SCALE: 1:1                           |  | SHEET 1 OF 1   |  |