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Project 86NK23614

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REPORT

ON

PORTABLE AIR SAMPLING PUMP
FOR USE IN HAZARDOUS LOCATIONS (MISCELLANEOUS)

SKC Inc.
Eighty Four, PA

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D E S C R I P T I O N

PRODUCT COVERED:

Intrinsically safe portable air sampling pumps, Models 224-PCXR8, 224-PCXR7, 224-PCXR4, 224-PCXR3, 224-44XR and 224-43XR for use with self-contained 6.0 V battery pack, Models 224-30, or P21661, or P21661MH and intrinsically safe portable air sampling pumps, Models 224-PC7 and 224-PC3 for use with self-contained 4.8 V battery pack, Model 224-17SD for use in hazardous locations, Class I, Groups A, B, C and D, Class II, Groups E, F and G and Class III.

GENERAL:

This device is a portable air sampling pump. A sampling head with filter is connected to the air inlet nipple on the pump. The pump draws air in through the sampling head and later the filter is analyzed at a laboratory to determine the amount of chemicals absorbed during sampling.

MARKING:

The device shall be marked with the manufacturer's name, model number, the words "INTRINSICALLY SAFE," designation of the hazardous location classes and groups, "TEMPERATURE CODE T3C" and the following statements, "WARNING SUBSTITUTION OF COMPONENTS MAY IMPAIR INTRINSIC SAFETY", "USE ONLY WITH UL LISTED PORTABLE AIR SAMPLING PUMP BATTERY PACK MODEL 224-30" (or "P21661" or "P21661MH") or "USE ONLY WITH UL LISTED PORTABLE AIR SAMPLING PUMP BATTERY PACK *MODEL 224-17SD." Refer to ILL. 8.

The battery pack is marked with the manufacturer's name, model number, the ratings of "6.0 V, 2.0 AH" (for Model 224-30 or P21661 or P21661MH) or "4.8 V, 1.8AH" (for Model 224-17SD) and the following statement, "FOR USE WITH SKC 224-XR (OR "224 4-LITER") SERIES PUMPS." Refer to ILLS. 9, 9A and 10.