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Temperature Correction Table for n-Hexane										
Гube	Corrected Concentration (ppm)									
Reading	0 °C	10 °C	20 °C	30 °Č	40 °C					
(ppm)	(32°F)	(50°F)	(68°F)	(86°F)	(104°F)					
1400	1630	1530	1400	1270	1180					
1200	1400	1320	1200	1090	1010					
1000	1170	1100	1000	910	840					
800	930	870	800	720	670					
600	700	660	600	550	500					
400	460	430	400	360	330					
200	220	210	200	180	170					
100	100	100	100	100	100					

USED TUBES SHOULD BE DISPOSED CAREFULLY ACCORDING TO RELEVANT REGULATIONS, IF ANY.

 $C_6H_{14} + Cr^{6+} + H_2SO_4 \rightarrow Cr^{6+}$

8. HAZARDOUS AND DANGEROUS PROPERTIES OF n-HEXANE, ISOBUTANE, HEPTANE AND PENTANE:

TLV-TWA.◆: n-Hexane; 50ppm Heptane; 400ppm Pentane; 600ppm Explosive range in air: n-Hexane; 1.1-7.5% Isobutane; 1.8-8.5% Heptane; 1.0-6.7% Pentane; 1.4-7.8%

 Threshold Limit Value established by the American Conference of Governmental Industrial Hygienists, 2004.

Temperature Correction Table for Heptane								
Tube	Corrected Concentration (ppm)							
Reading	0 °C	10 °C	20 °C	30 °Č	40 °C			
(ppm)	(32°F)	(50°F)	(68°F)	(86°F)	(104°F)			
2000	I		2000	1680	1460			
1600		2000	1600	1380	1200			
1200	2000	1160	1200	1040	920			
800	1200	940	800	720	660			
400	520	460	400	360	320			
200	260	230	200	180	160			
100	100	100	100	100	100			

② Humidity; No correction is necessary.

Atmospheric Pressure;

True concentration = Temperature corrected \times concentration

1013 Atmospheric pressure (in hPa) /8------

9. INSPECTION OF ASPIRATING PUMP:

Checking for leaks;

7. DISPOSAL OF TUBE:

- ① Insert a sealed, unbroken detector tube into the pump.
- 2 Align the guide marks on the shaft and stopper of the pump.

③ Pull the handle to full stroke and wait for 1 minute.

④ Unlock the handle and allow it to return slowly into the pump with holding the cylinder and handle securely.

CAUTION HANDLE WILL TEND TO SNAP BACK INTO THE PUMP QUICKLY.

(5) If the handle returns completely to the original position, the performance is satisfactory. Otherwise, refer to maintenance procedure in the instruction manual of the pump to correct the leakage.

10. USER RESPONSIBILITY:

It is the sole responsibility of the user of this equipment to ensure that the equipment is operated, maintained, and repaired in strict accordance with these instructions and the instructions provided with each Model AP-20, AP-20S, 400B, AP-1, AP-1S or 400A aspirating pump, and that detector tubes are not used which are either beyond their expiration date or have a colour change different to that stated in the Performance specifications.

The Manufacturer and Manufacturer's Distributors shall not be otherwise liable for any incorrect measurement or any damages, whether damages result from negligence or otherwise.

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