

SPECIFICATIONS

Size: 94 mm x 154 x 135, Weight 1.7 kg (no chamber fitted), 2.0 kg (chamber fitted and filled with water). Electrical Classification: CLASS 1, TYPE BF, IPX1

Electrical ratings

Supply frequency: 50 or 60 Hz, Voltage: 230 V~, Current: 0.8 A max at 230 V~
Heater plate: 150 W, Heater wire: 22 V~, 1.36 A, 30 W, 50 or 60 Hz
Heater plate over-temperature cutout 93 ± 6 °C

Performance (at 23 °C Ambient Temperature)

	Setting	Constant flow range (L/min)	Patient interface temperature (°C)
Heater wire mode SOOMR810 SOOMR810E	Low	5 to 60	28 to 29
	High	5 to 30	30 to 32
Non-heater wire mode	Low	5 to 60	23 to 25
	High	5 to 30	28 to 32

CAUTION: MR810 does not deliver body temperature saturated gases.
Recommended operating environment temperature: 18 to 28 °C.
Humidity Performance: > 10 mg/L, 5 L/min < flow < 60 L/min.
DO NOT use for flow < 5 L/min.
Warm-up Time: < 60 minutes.

Symbol Definitions



Type BF



ATTENTION
Consult accompanying documents



Alternating Current



Drip Proof



CAUTION
Hot surfaces may exceed 75 °C



C-lick for EMC

CLEANING

The humidifier base and heater wire adaptor can be cleaned when required with a damp cloth using a mild non-abrasive cleaning solution. (Refer to the MR810 technical manual for a list of approved cleaning agents).

ROUTINE MAINTENANCE AND SERVICING

Refer maintenance and servicing to qualified service personnel. A full technical description including annual maintenance and service data is contained in the Technical Manual which is available from your supplier or Fisher & Paykel Healthcare (REF 185042601).

WARNING:

- Caution is required when delivering gases that are not body temperature saturated, to patients with bypassed airways.
- The use of breathing circuits, chambers, or other accessories which are NOT approved by Fisher & Paykel Healthcare, may impair performance or compromise safety.
- Refer to operating instructions for each accessory.
- Ensure maintenance of grounding integrity by connecting to an appropriately grounded receptacle.
- Ensure that the humidifier is always positioned lower than the patient's airway.
- Ensure the humidifier is securely mounted.
- The operation of high frequency surgical apparatus, short wave or microwave equipment in the vicinity of the humidifier may adversely affect its function. If this occurs the humidifier should be removed from the vicinity of such devices.
- Visually inspect equipment for damage before use.
- Hot surfaces may exceed 75 °C.

Patent pending

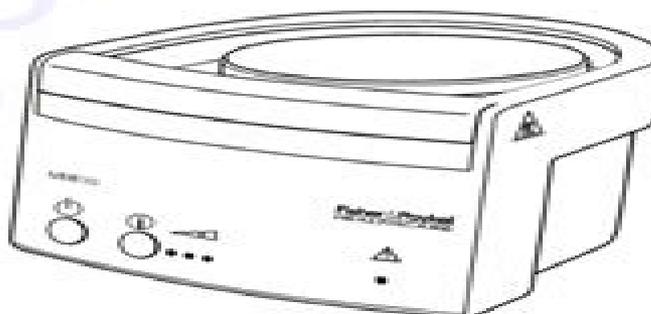
The MR810 respiratory humidifier warms and humidifies gases delivered to patients requiring noninvasive and/or constant flow applications.

INSTRUCTION SHEET
DO NOT DISCARD

REF 185042576
Rev E 2012-06



RESPIRATORY HUMIDIFIER



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HEALTHCARE

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web conclusion the identification of an unknown solid acid the purpose of this experiment was to determine the standardization of sodium hydroxide naoh and oxalic acid h₂c₂o₄ 2h₂ o and the molar mass of an unknown solid acid using the molar mass of the standardized sodium hydroxide solution

experiment 3 acid base titration chem 1202 expt 3 title - Aug 04 2022

web acid base reactions can be used to determine concentrations of an acid or a base using stoichiometric calculations and titrimetric analysis the volume of a solution required to react

lab 6 acid base titration chemistry libretexts - Feb 10 2023

web jul 19 2023 introduction titration is an analytical quantitative technique used to determine the concentration of a solute a ph titration is used to determine the concentration of an acid or a base titrations play an important role in determining amount and purity in many manufacturing processes

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web specifically an acid base titration can be used to figure out the concentration of an acid or base whether an unknown acid or base is strong or weak pka of an unknown acid or pkb of the unknown base key terms titration a process where a solution of known strength is added to a certain volume of a treated sample containing an

lab report titration chm1046l volumetric analysis acid base - Apr 12 2023

web conclusion this lab evaluated an acid base reaction with the volumetric analysis of a standard solution being naoh reaction with a 2nd substance h₂c₂o₄ aq 2naoh aq na₂c₂o₄ 4h₂o to differentiate an acid from a base in a solution a ph scale is used the ph scale ranges from 0 to 14 a ph of 7 is neutral in an acid base reaction

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data calculations and conclusion acid base titration lab - Jun 02 2022

web conclusion in this lab we used titration to explore the concepts of stoichiometry and equivalence points we found the concentration of an unknown substance by mixing 2m hcl with the naoh of unknown concentration in order to experimentally ascertain the concentration of the naoh

this is a chemistry lab report on an acid base titration experiment - Dec 28 2021

web this point of titration is referred to as the equivalence point considering the 1 1 stoichiometry of this acid base reaction
 $\text{NaOH} + \text{C}_6\text{H}_4\text{COOH} \rightarrow \text{C}_6\text{H}_4\text{COONa} + \text{H}_2\text{O}$ l the point of equivalence is the point of titration when the number of moles of naoh na added is equal to the number of moles of khp nb in the