# Fisher&Paykel

18 MIG



### **Forward Looking Statements**

This presentation may include forward-looking statements and actual results could vary. Such forward-looking statements, including statements regarding our future revenue and earnings projections and the development of new markets for our products, are subject to risks and uncertainties, which could cause actual results to differ materially from those projected or implied in the forward looking statements. For a discussion of factors that could cause actual results to vary from any forward-looking statements, please see our prospectus, especially Risk Factors.



## **Investment Highlights**

- Leading player in heated humidification devices and consumables for a variety of respiratory markets estimated US\$1 billion+ market opportunity
- High level of innovation
- Global presence
- Competitive NZ cost base
- Strong financial performance
- Experienced management team

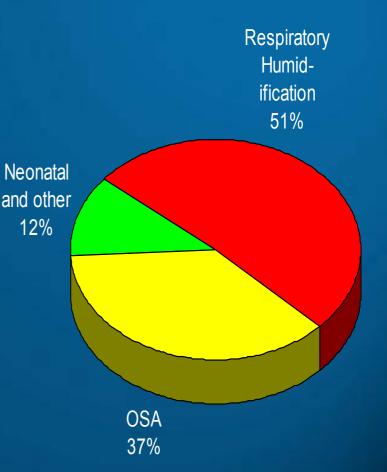
#### NZSE:FPH, NASDAQ:FPHC, ASX:FPH



### **Markets and Products**

- Respiratory humidification
  - respiratory humidifiers, chambers, breathing circuits and accessories
- Obstructive sleep apnea
  - integrated flow generatorhumidifiers, humidifiers, masks and chambers
- Neonatal and other
  - neonatal warmers, neonatal CPAP, distributed products
- → Consumable products represent approx. 45% of sales

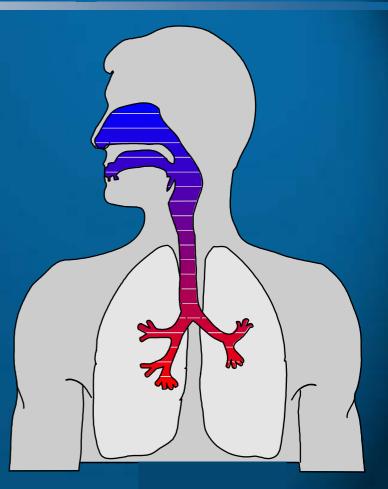
12 months to 31 March 2002





### **Respiratory Humidification**

- Normal airway humidification is bypassed or compromised during ventilation or O<sub>2</sub> therapy
- Mucociliary transport system operates less effectively
  - increases risk of infection
  - impairs gas exchange
- Need to deliver gas at physiologically normal levels
  - 37°C body core temperature
  - 44mg/L 100% saturated





# **Market Opportunity**

Humidification systems are utilized to create, control and deliver optimal levels of humidity

- Estimated US\$350 million market worldwide
  - consists of heated humidifier controllers, humidifier chambers, breathing circuits, unheated humidifiers and related supplies
  - 1.5 million intubated patients in US each year

→ Heated humidifiers utilized as systems - creates ongoing consumables revenue stream



#### Fisher & Paykel's Humidification Systems

Fisher & Paykel has a full range of industry-leading respiratory humidification systems

#### Products include:

#### MR850 Respiratory Humidification System

- invasive ventilation, O<sub>2</sub> therapy and non-invasive ventilation
- patented flow measuring technology
- integrated system
- "set and forget" optimal humidity
- MR410 Respiratory Humidifier
  - O<sub>2</sub> therapy and non-invasive ventilation
  - electronic thermostat
  - simple controls







# **Single-use Components**

Single-use chambers

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- patented auto filling MR290
- manual filling models
- Single-use adult breathing circuits
  - patented spiral heater wire
  - less condensation
  - delivery of optimal humidity





→ On average, 35 system set-ups used per controller per year



## **Competitive Advantage**

- Creating, controlling and delivering optimal humidity poses technical challenges
- Integrated humidifier, chamber, circuit system provides:
  - optimal performance
  - marketing advantage
- Bundled consumable sales driven by installed controllers
  - Estimate F&P has >50% global controller market share
- High level of R&D commitment
- Extensive intellectual property
- Worldwide F&P sales force

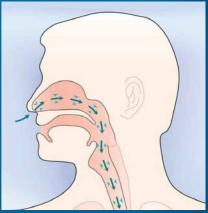


# **Obstructive Sleep Apnea**

- Estimated US\$600 million worldwide market, growing 15%-20%
- Temporary closure of airway during sleep
- Can greatly impair quality of sleep, leading to fatigue and reduced cognitive function; also associated with stroke and heart attack



- Most common treatment is CPAP (Continuous Positive Airway Pressure)
  - key issue with CPAP is compliance



Normal breathing



Patient with OSA



# Benefits of Heated Humidification with OSA

#### Compliance can be greatly improved with heated humidification

#### Clinical studies have found that:

- Mouth leak resulted in nasal congestion and increased nasal airway resistance (Richards, Journal of Respiratory Care Medicine, 1996)
- More patients abandoned CPAP when it was used without humidification - 36% vs. 11% (Kline, Sleep, 1999)
- CPAP used for a longer period each night when it was used with heated humidification - ~35 minutes longer (Massie, Chest, 1999)

→ Increasing proportion of patients on CPAP are using heated humidification
Fisher & Payke

# Fisher & Paykel's OSA Systems

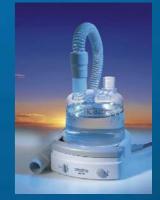
Fisher & Paykel has a broad range of CPAP products, including flow generators, humidifiers and masks

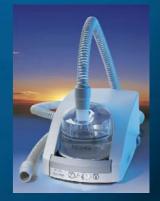
#### Products include: HC150 Humidifier

- suitable for use with most OSA flow generators
- patented ambient tracking system

#### HC221 Integrated Flow-Generator Humidifier

- compact, integrated unit
- patented ambient tracking system
- compliance optimizer
- proprietary motor technology







### Mask Systems

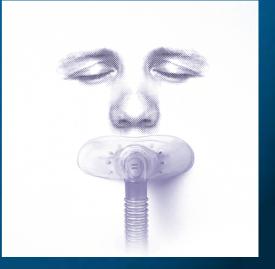
Aclaim™ Nasal Mask

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- proprietary sliding attachment
- auto-adjusting headpiece
- bias flow diffuser
- $\rightarrow$  less leaks, greater comfort
- Oracle™ Oral Mask
  - proprietary oral interface
  - no headgear required







## **Competitive Advantage**

- Leveraging heated humidification expertise into rapidly growing market
  - increased penetration of heated humidification in OSA
  - → Fisher & Paykel is the pioneer of heated humidification technologies in OSA
- Benefits of integrated flow-generator humidifier
- Recently-introduced innovative masks
- Worldwide F&P sales force



#### **Neonatal Warmers and CPAP**

- Radiant Warmers
  - 400,000 pre-term live births per year in US
  - warmers required in delivery and NICU
  - precise and stable temperature control
- Infant CPAP System
  - proprietary bubble CPAP, noninvasive, oscillating pressure
  - lower risk alternative to ventilation





#### **Research & Development**

- 120 engineers, scientists, physiologists
- Competitive NZ cost base
- Integrated product teams
- Rapid prototype development
- Active clinical research program
- 29 US patents, 25 pending \*

#### \* at 31 Mar 2002



#### **New Products**

**Timing** 

Last 6-12 months

#### Next 6-12 months

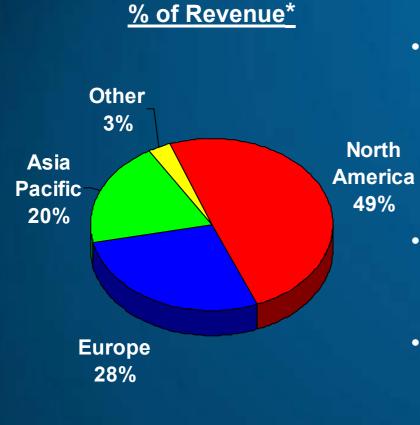
<u>Product</u>

Aclaim<sup>™</sup> Mask Oracle Mask Infant CPAP System Australasia HC150 Humidifier HC221 Integrated Flow Generator HC220 Integrated Flow Generator Aclaim2 mask Neonatal breathing circuits MR810 Humidifier Infant CPAP System

Continuously introducing new features and advancements to our existing product lines



### **Global Presence**

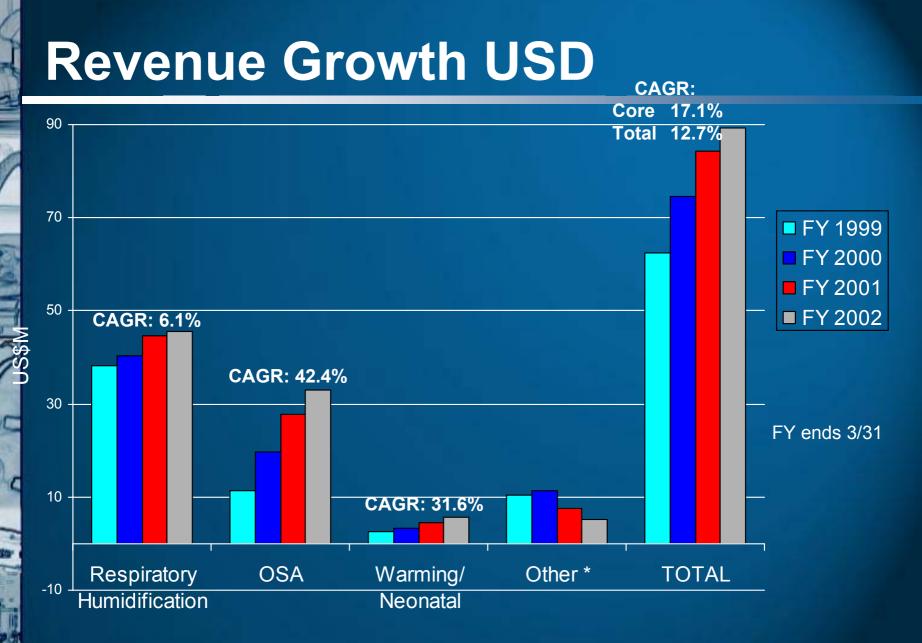


• Direct

- hospitals, alternate site, home care dealers
- sales offices in USA/Canada, UK/Ireland, France/Benelux, Germany/Austria, Australia and NZ
- Distributors
  - 100 distributors worldwide 90 countries
- Original Equipment Manufacturers
  - supply most leading ventilator and CPAP manufacturers



\* 12 months to 31 March 2002



\* Other includes distributed and discontinued products



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### FY2002 Q4 Update

Fisher&Paykel



### **Respiratory Humidification**

Environment - Warm northern winter

- Softer hospital capex
- Mild flu season

Performance - Good growth in North America

- Reduced humidifier sales to OEMs
- Strong growth in single-use adult breathing circuits
- Revenue -11% in Q4, +2% full year
- 48% of revenue Q4



# **CPAP / Obstructive Sleep Apnea**

*Environment* - Increasing acceptance of humidification benefits

- Product price reductions
- Improved reimbursement Medicare
   USA US\$100 → US\$300
- Performance 27% volume growth in integrated flow-generator humidifiers Q4
  - Masks increasing in importance
  - Revenue +15% in Q4, +18% full year
  - 41% of revenue Q4



### **Neonatal and warming**

# Environment - Increasing USA sales activityTender driven, lumpy

#### Performance

- Good growth in North America
- Revenue +71% in Q4, +30% full year
- 8% of revenue Q4



#### **New Products**

**Timing** 

Last 6-12 months

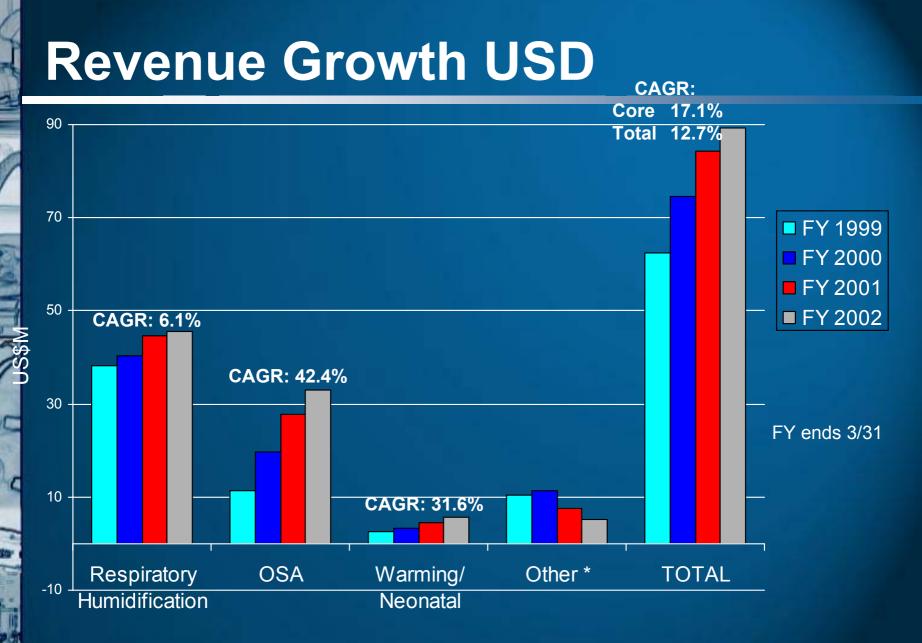
#### Next 6-12 months

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### **Foreign Currency**

Policy: options and contracts

100% year 1, 75% years 2 and 3, options only up to 25% years 4 and 5.

Current portfolio:

- Year 1 100% @ 0.47 average
- Year 2 and 3 75% @ < 0.44

US\$ represents 80% of NZ export value



#### **Balance Sheet**

- DSO improved to 54 days Q4
- Finished inventory 5.9 turns
- NZ\$73M cash
- Dividend NZ\$0.25 = NZ\$25.6M

