



淨氣流
Xpure

— *Breathe In Style* —

OUTLINE:

Part A. Intro. of Xpure

Part B. Application in Sport

Part A. Intro. of Xpure



N95

Personal Protective Equipment

PM2.5

&

Covid - 19

SINCE

2013

DEAD BY AIR POLLUTION

OVER THE NEXT 20 YEARS

3.3 MIO*

TO

6.5 MIO**

PEOPLE DIED
PREMATURELY

*The New York Institute of

**The United States Environmental Protection Agency

cause of death

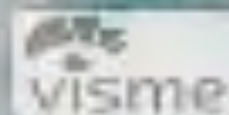
73%

heart attacks
and strokes



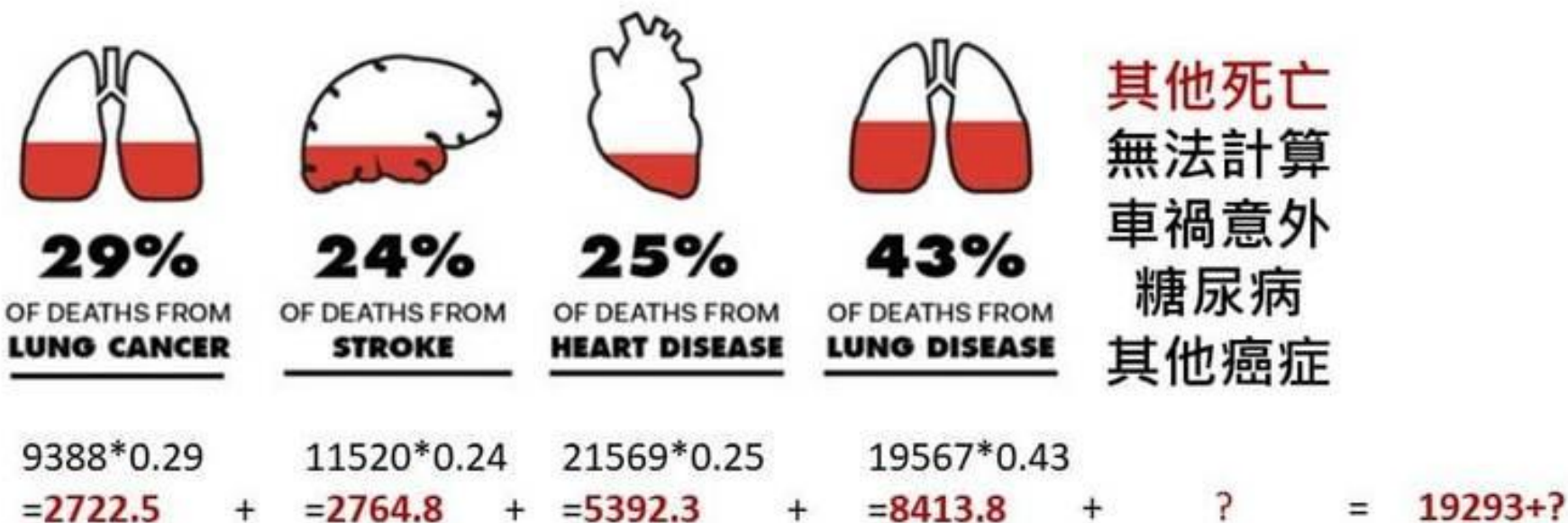
27%

lung cancer & respiratory diseases



台灣每年因空氣污染導致的死亡人數達兩萬

世界衛生組織認為29%肺癌、24%中風、25%心臟病與43%肺部疾病死亡是來自於空氣污染



此分析結果採用107年的全國死因統計數據

不願面對的事實：**每年有兩萬人因為空氣污染而死**



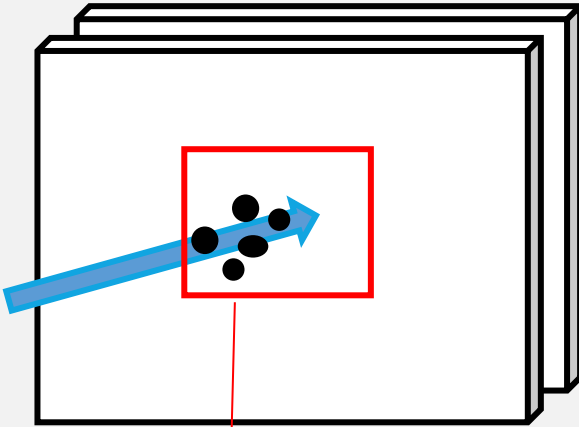
N95 Grade

1 Time Using

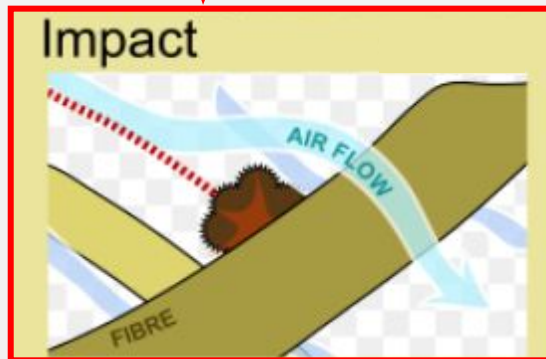
3 USD Per Cost

Washable : Xpure Nanofiber Filter

Mechanical Filter

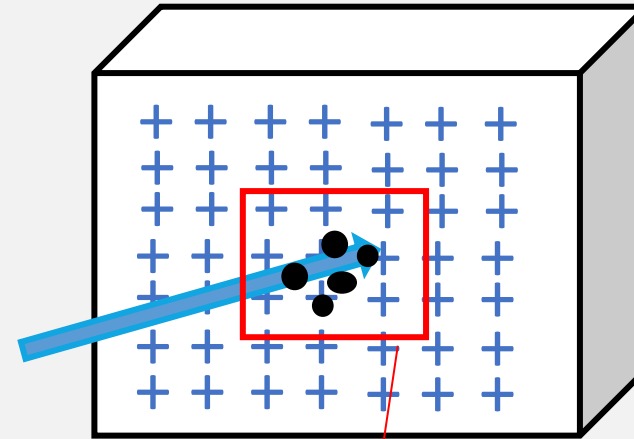


Xpure use nano-fiber create multi-layer filter that can filter critical size particles ($\sim 0.3\mu\text{m}$) by physical impact way but not electrostatic way. So Xpure can be reusable & washable !

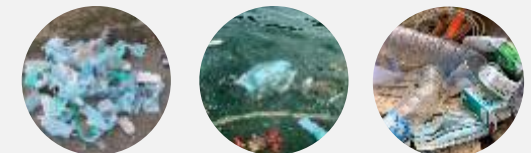
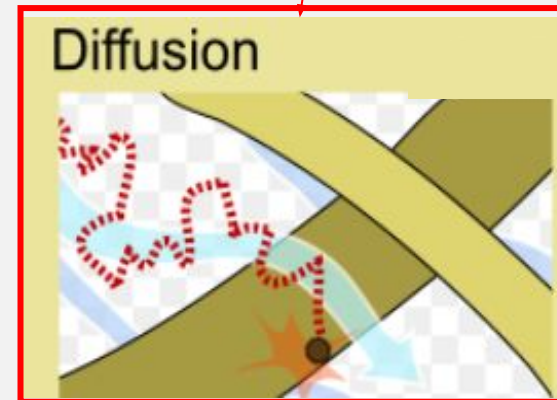


V.S. One-time using : Electrostatic Filter

Electrostatic Filter

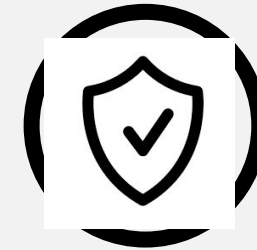


Most plastic filters use electrostatic way to filter the critical size particle ($\sim 0.3\mu\text{m}$) that only for one-time using.



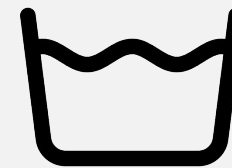
One-time using mask create lots of trash

Xpure Inside Filter



N95
Grade

High protective



200x
Washability

Sustainable & Economic
(0.1 USD per using)

Top1 NT\$ 11,712,302



Top2 NT\$ 6,468,764



Top3 NT\$3,412,844



Part B. Application in Sport



出門運動戴口罩很麻煩，但不戴口罩...也很麻煩！



運動狀態



攝氧量比

20 : 1



一般行走

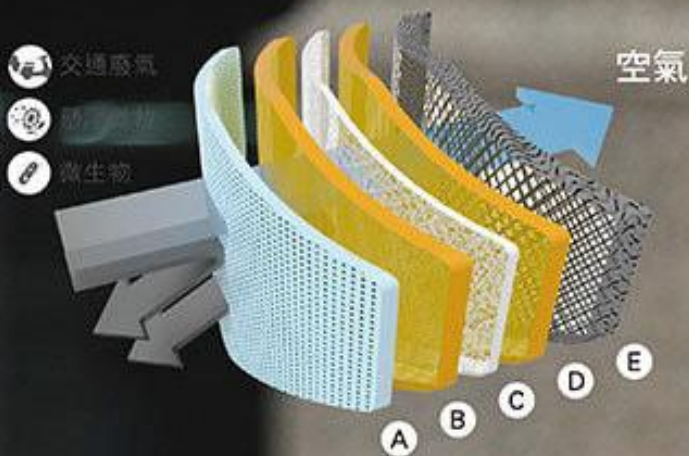


資料來源：運動生理學 林正常著

Case 1. 抗PM2.5 魔術頭巾

1

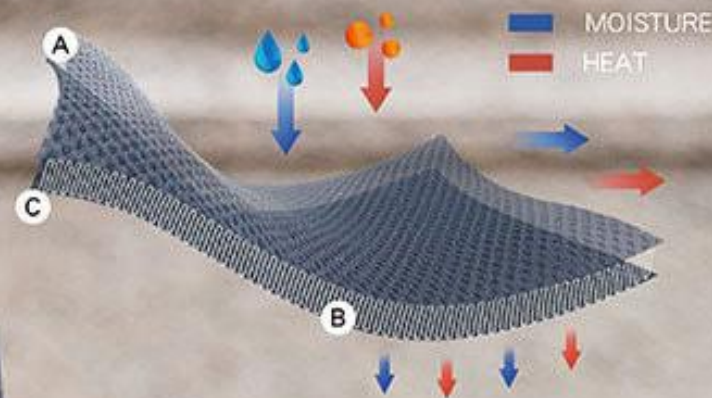
核心技術
奈米防護層



A. 過濾加強層 B. 耐水洗層
C. 奈米纖維網 D. 耐水洗層 E. MCS層

2

核心技術
MCS 專利排汗層



A. TOP LAYER B. SPACER LAYER
C. BOTTOM LAYER

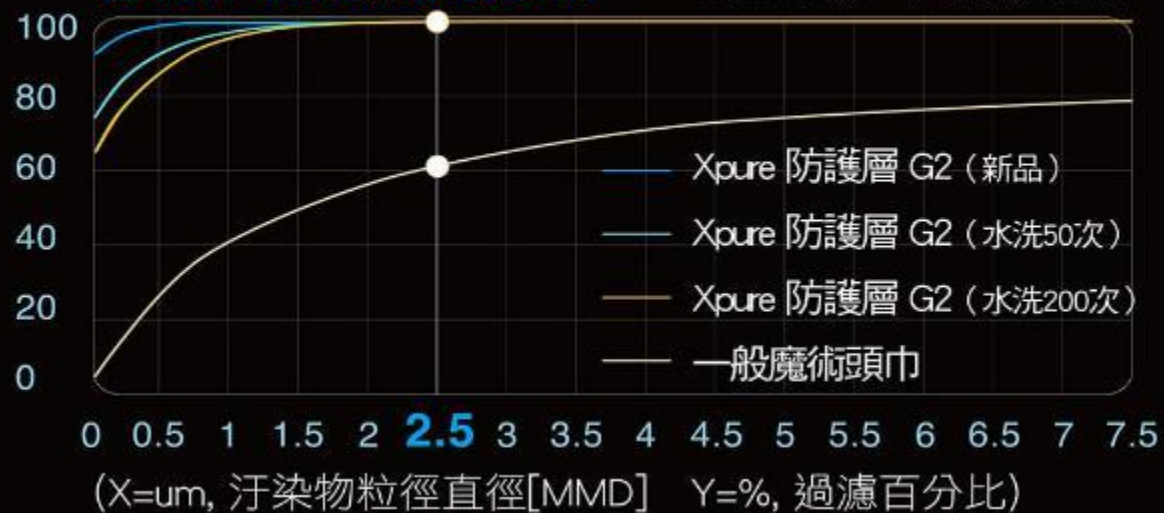




專利技術的奈米防護層可以濾除大部分PM2.5

各種粒徑過濾百分比

資料來源：台灣紡研所







橫越戈壁沙漠



Case 2.

零悶熱

高強度運動口罩



Root Cause is **Heat & CO₂ from Exhalation**

2nd Unfair Advantage

**XFLO
System**



Isolate the Heat & CO2 to drain out

3M N95



Mask Athlete



Under Armour



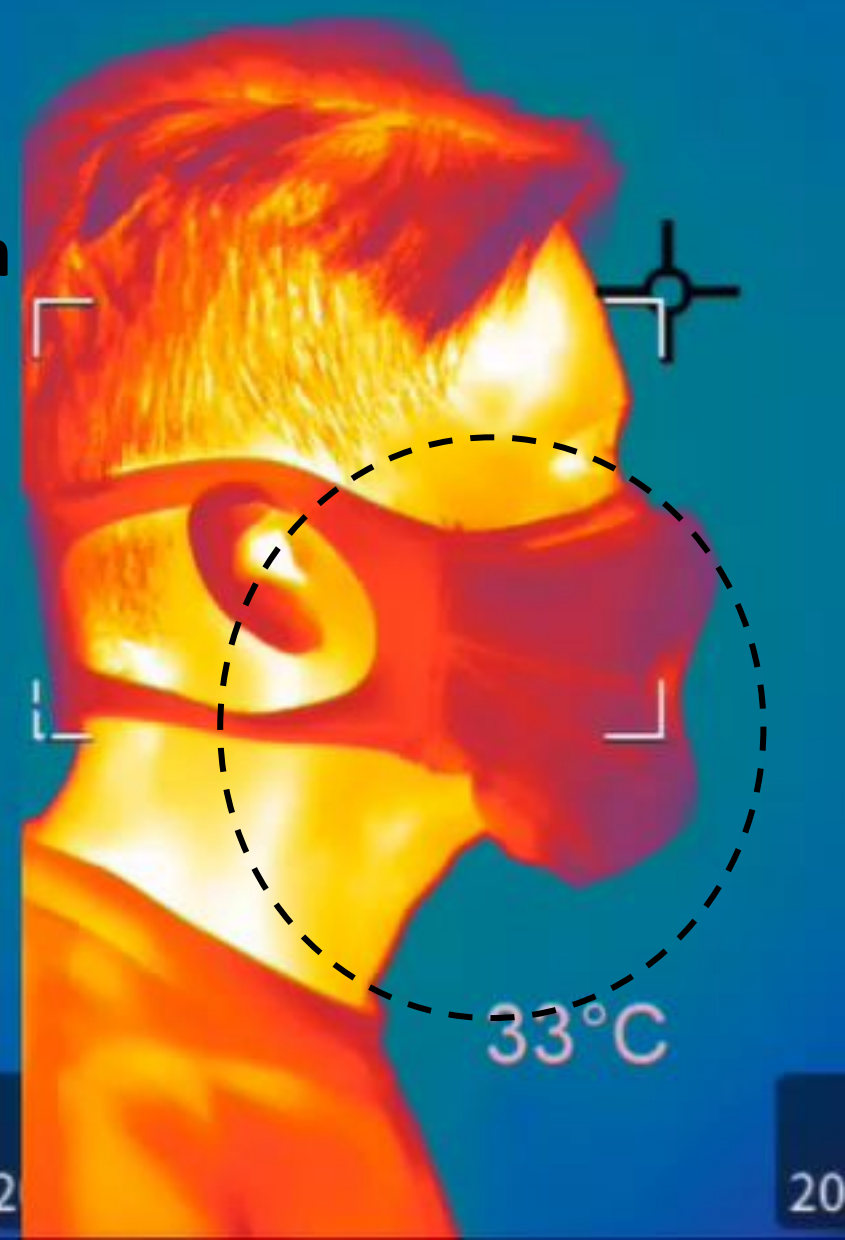
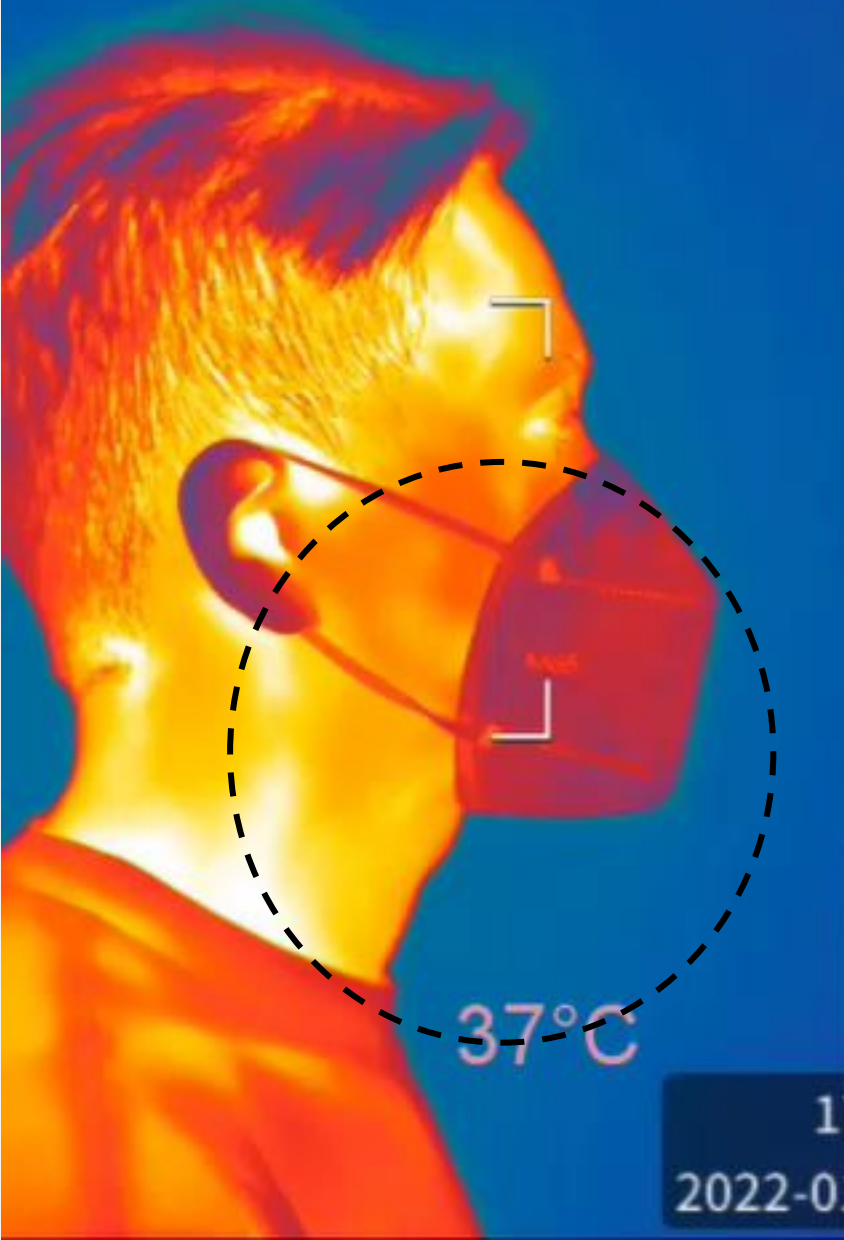
Comparison

N95



Athlete

UA



前進武嶺

高地訓練

就。很。PRO

XPURE 高強度運動口罩



三鐵國手極限測試！【高強度運動口罩-Athlete】真的能...
Xpure

稍後觀看 分享

吳承泰
三鐵國手
人稱泰神
亞洲盃金牌
全大運冠軍

『高強度運動口罩...就。很。順！』

到以下平台觀看：[YouTube](#)



Rakuten
MONKEYS



樂天桃猿棒球隊

98號 陳晨威



鄭宗哲

美國職棒匹茲堡海盜隊-新人聯盟



陳柏毓

美國職棒匹茲堡海盜隊-新人聯盟



SUSTAINABLE
PRODUCT
Carbon emission reduction

Xpure inside filters can withstand >200 washings



CO₂

CO₂ Emission Reduced

↓ 72%

Join Us ! Protect yourself & the Planet.