

Portable Steam Thermo Vest/Coat

The intelligent healthcare research center at Ming Chi University of Technology has developed a moist heat vest using high-performance materials combined with acupoint-enhanced heating for better results.

High-performance materials

- High-performance moisture absorption and moisture-wicking
- Far-infrared capabilities

25% increased hygroscopicity

Uniform heat source

- Consistent temperature within the effective range
- Shortened waiting time

★ Innovative Highlights ★

01 High-performance materials

Uses special high-hygroscopicity, eco friendly materials that absorb moisture and emit heat and far -infrared, offering deodorizing and replaceable features

02 Acupoint-enhanced design

Heating areas designed to align with human acupoints for better results.

Fengchi acupoint
Tianzhu acupoint
Dazhui acupoint

Jugu acupoint

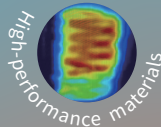
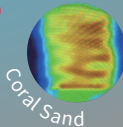
Jianjing acupoint

Gaohuang acupoint



Consistent and uniform heat source

Compared to commercially available coral sand filling materials, the high-performance materials have a higher far-infrared emission spectrum, achieving better circulation effects.



Steam penetration



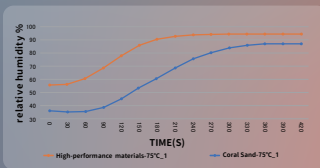
Releases moisture beforehand



Becomes blurred after a few minutes



Covered with fine water droplets after 15 minutes



★ Under the same time conditions, the high-performance material has a higher moisture-wicking rate, indicating that it can release moisture more quickly. This allows the moisture to act as a medium to conduct heat to the human subcutaneous tissue, achieving a heating effect. The high-performance material reaches a humidity of 93.4% in 240 seconds, while coral sand reaches only 75.4% in 320 seconds.

濕熱敷背心

明志科大智慧醫療研究中心開發之濕熱敷背心採用高效能濕熱敷材料搭配強化穴位加熱，效果更佳

高效能材料

- 高吸排濕
- 具遠紅外線

均勻性熱源

- 有效溫度內給予一致性熱源

吸濕效率提升25%

- 縮短等待時間

★創新亮點★

高效能之濕熱敷材料

01 採用特殊高吸濕環保材料吸收水氣並放射出熱能及遠紅外線，具除臭及可替換性

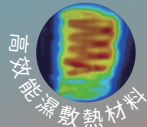
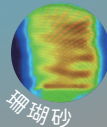
02 穴位強化設計

配合人體穴位設計加熱部位，效果更佳

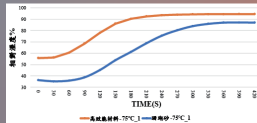


一致的均勻性熱源

相較於市售之珊瑚砂填充材，高效能材料之遠紅外線放射光譜強度較高，可達較佳的循環功效



蒸氣滲透



✦ 高效能濕熱敷材對於240秒時濕度即達93.4%，珊瑚砂則於320秒時濕度僅達75.4%

✦ 相同時間下，高效能材料排濕性之爬升斜率大，說明此材料可更快速將水分釋放，讓水氣作為媒介傳導至人體皮下組織，達到加熱效果