

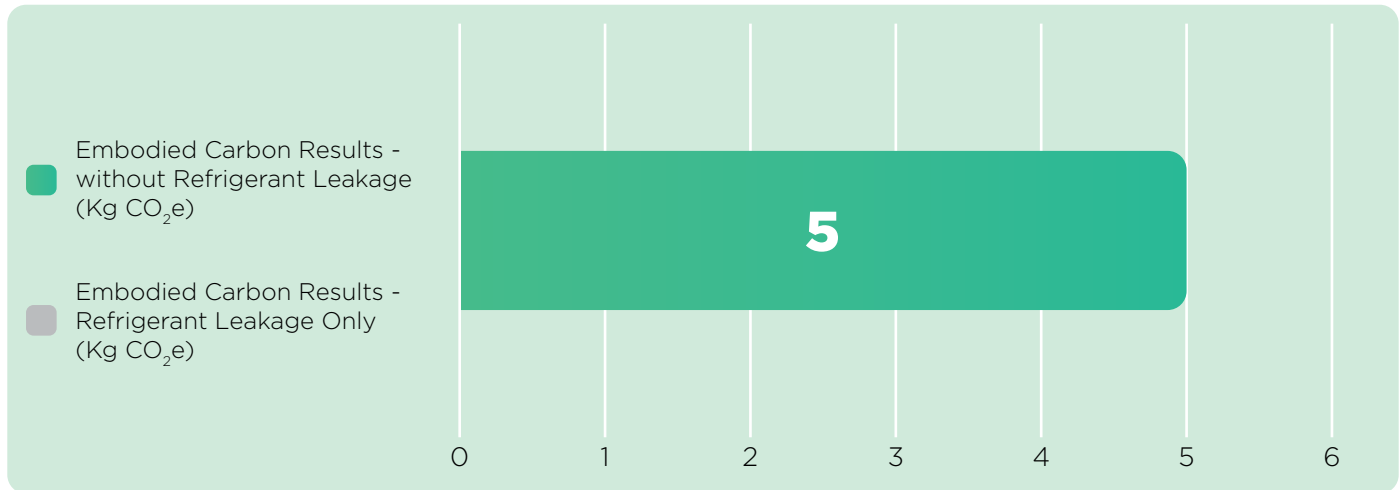
# TM65 Calculation: X-POT Bag Filter (1, 5, 20, 50, 100 Microns)

## CIBSE TM65 Embodied Carbon 'Basic' Calculation

|                        |  |
|------------------------|--|
| <b>Assessment Date</b> | 01st September 2025                                    |
| <b>Assessor</b>        | Self Assessment  |
| <b>Organisation</b>    | VEXO International Ltd                                 |
| <b>Contact</b>         | <a href="mailto:info@vexoint.com">info@vexoint.com</a> |

**Embodied Carbon Result with 'Basic' TM65 Calculation Method Total:**

**5 (Kg CO<sub>2</sub>e)**



## Product Information

|   |                |
|---|----------------|
| <b>Type of Product</b>  | Other          |
| <b>Capacity of Equipment</b>  | -              |
| <b>Product Weight</b>   | 0.10 KG        |
| <b>Material % Breakdown for at Least 95% of the Products Weight</b> | Yes            |
| <b>Product Service Life</b>   | 3 Months       |
| <b>If Refrigerant Based, Type of Refrigerant Used and GWP</b>       | N/A            |
| <b>Energy Consumption of the Factory per Unit of Product</b>        | 0.01 kWh       |
| <b>Location of Manufacture</b>                                      | United Kingdom |
| <b>Product Complexity Category</b>                                  | Category 3     |



## Embodied Carbon Results (kg CO<sub>2e</sub>) - W/O Refrigerant leakage

|  |                      |
|--|----------------------|
| <b>A1: Material Extraction (Original Product)</b>  | 0KG CO <sub>2e</sub> |
| <b>A1: Material Extraction (Components that are replaced in B3)</b>  | 2KG CO <sub>2e</sub> |
| <b>A1-A4, B3, C2-C4: Total Embodied Carbon with Scale-Up and Buffer Factor (Excluding Refrigerant Leakage)</b> | 5KG CO <sub>2e</sub> |

## Embodied Carbon Results (kg CO<sub>2e</sub>) - Refrigerant leakage only

|  |     |
|--|-----|
| <b>B1: (Refrigerant Leakage During Use) + C1: (Refrigerant Leakage at End of Life)</b> | N/A |
|--|-----|

## Embodied Carbon Results with 'Basic' Calculation Method (kg CO<sub>2e</sub>) - Total

|   |                      |
|---|----------------------|
| <b>Result of 'Basic' Calculation Method</b> | 5KG CO <sub>2e</sub> |
|---|----------------------|


## Assumptions

|  |                       |
|--|-----------------------|
| <b>A1: Material Carbon Coefficient Source</b>        | CIBSE TM65, Table 2.1 |
| <b>B1: Refrigerant Annual Leakage Rate (%)</b>       | N/A                   |
| <b>C1: Refrigerant End of Life Recovery Rate (%)</b> | N/A                   |
| <b>B3: Materials Replaced as part of Repair (%)</b>  | CIBSE TM65, Table 2.1 |

Interested in learning more about how the VEXO X-POT can reduce your building's energy consumption and operational embodied carbon? Contact a VEXO specialist today for a personalized consultant and a detailed analysis of your system's potential for improvement.



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