

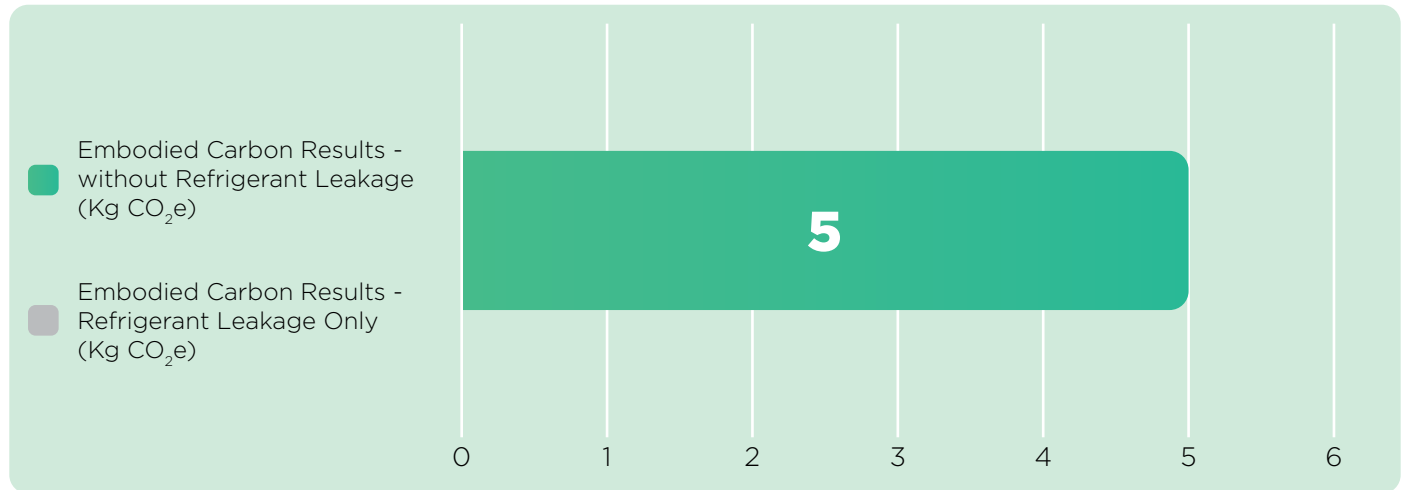
TM65 Calculation: X-POT Cartridge Filter (0.5, 5, 20, 50 Microns)

CIBSE TM65 Embodied Carbon 'Basic' Calculation

Assessment Date	01st September 2025
Assessor	Self Assessment
Organisation	VEXO International Ltd
Contact	info@vexoint.com

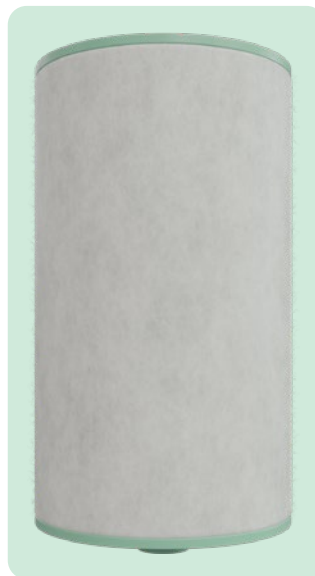
Embodied Carbon Result with 'Basic' TM65 Calculation Method Total:

5 (Kg CO₂e)



Product Information

Type of Product	Other
Capacity of Equipment	-
Product Weight	0.56 KG
Material % Breakdown for at Least 95% of the Products Weight	Yes
Product Service Life	3 Months
If Refrigerant Based, Type of Refrigerant Used and GWP	N/A
Energy Consumption of the Factory per Unit of Product	0.02 kWh
Location of Manufacture	United Kingdom
Product Complexity Category	Category 3



Embodied Carbon Results (kg CO_{2e}) - W/O Refrigerant leakage

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

Embodied Carbon Results (kg CO_{2e}) - Refrigerant leakage only

B1: (Refrigerant Leakage During Use) + C1: (Refrigerant Leakage at End of Life)	N/A
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Embodied Carbon Results with 'Basic' Calculation Method (kg CO_{2e}) - Total

Result of 'Basic' Calculation Method	5KG CO _{2e}
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Assumptions

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



Telephone: 01767 500 150
Email: info@vexoint.com
Website: www.vexoint.com



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United Kingdom, VEXO International UK Ltd, 6 The Granary Building, Millow Hall Farm, Millow, Biggleswade, Bedfordshire, SG18 8RH, UK

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