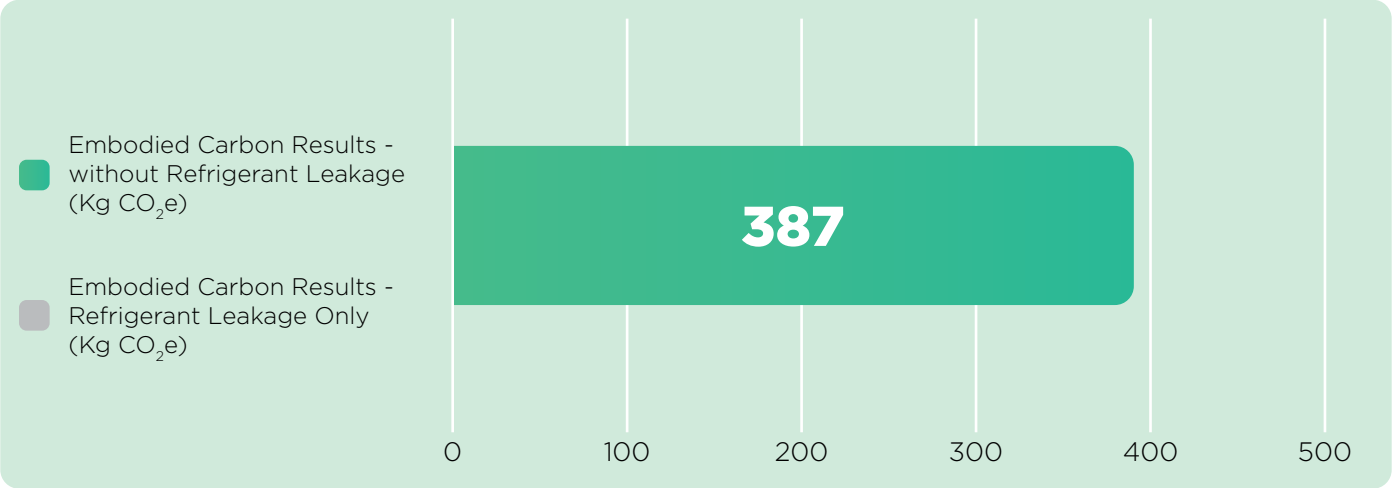
TM65 Calculation: X-POT XP+® Side Stream & Dosing Unit

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:

387 (Kg CO_2e)



Product Information

Type of Product	Other
Capacity of Equipment	10 Litres
Product Weight	48.85 KG
Material % Breadown for at Least 95% of the Products Weight	Yes
Product Service Life	25 Years
If Refrigerant Based, Type of Refrigerant Used and GWP	N/A
Energy Consumption of the Factory per Unit of Product	8.34 kWh
Location of Manufacture	United Kingdom
Product Complexity Category	Category 3

X-POT XP+®

Embodied Carbon Results (kg CO_2e) – W/O Refrigerant leakage

A1: Material Extraction (Original Product)	167KG CO_2e
A1: Material Extraction (Components that are replaced in B3)	18KG CO_2e
A1-A4, B3, C2-C4: Total Embodied Carbon with Scale-Up and Buffer Factor (Excluding Refrigerant Leakage)	387KG 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

Embodied Carbon Results with 'Basic' Calculation Method (kg CO_2e) – Total

Result of 'Basic' Calculation Method	387KG CO_2e

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.

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