

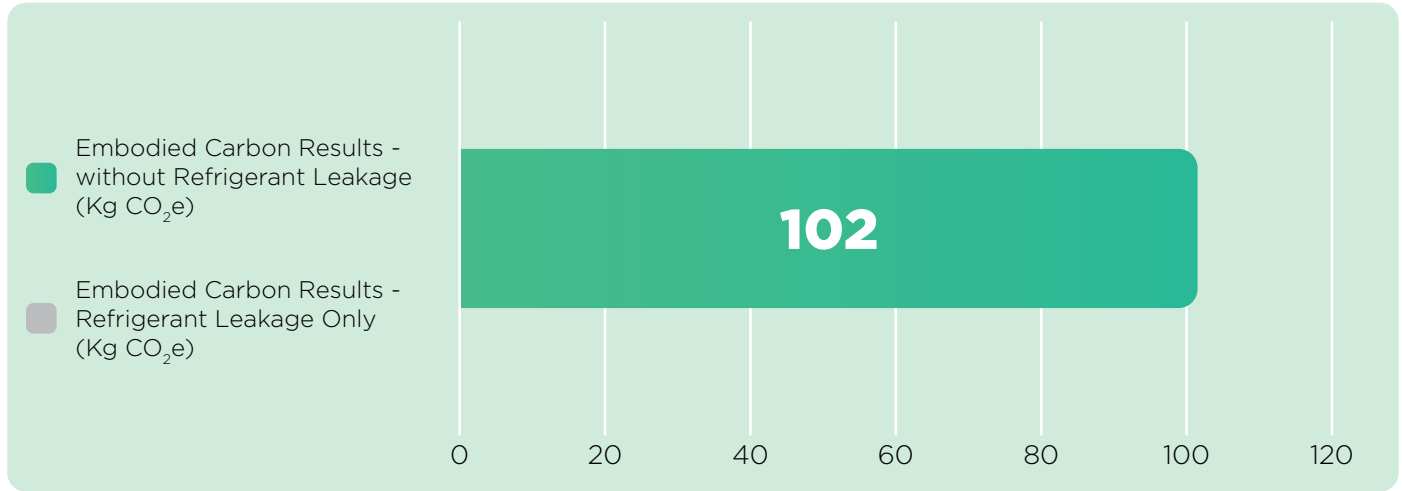
## TM65 Calculation: D-POT<sup>®</sup> 15L Dosing Pot

### 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:**

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



### Product Information

<b>Type of Product</b>	Other
<b>Capacity of Equipment</b>	15 Litres
<b>Product Weight</b>	10.05 KG
<b>Material % Breakdown for at Least 95% of the Products Weight</b>	Yes
<b>Product Service Life</b>	6 Years
<b>If Refrigerant Based, Type of Refrigerant Used and GWP</b>	N/A
<b>Energy Consumption of the Factory per Unit of Product</b>	2.99 kWh
<b>Location of Manufacture</b>	China
<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>	45KG CO <sub>2e</sub>
<b>A1: Material Extraction (Components that are replaced in B3)</b>	4KG CO <sub>2e</sub>
<b>A1-A4, B3, C2-C4: Total Embodied Carbon with Scale-Up and Buffer Factor (Excluding Refrigerant Leakage)</b>	102KG 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
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## Embodied Carbon Results with 'Basic' Calculation Method (kg CO<sub>2e</sub>) - Total

<b>Result of 'Basic' Calculation Method</b>	102KG CO <sub>2e</sub>
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## 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 D-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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