

Product Manual

DJI FC100 Dedicated Cleaning Spray Bar

TP-SG02





I. Project Background

With the extensive application of the DJI FC100 heavy-lift drone in high-rise building cleaning, traditional spray bars have encountered a critical technical bottleneck: the powerful downwash airflow generated by the drone propellers causes the water mist to disperse prematurely, resulting in a significant reduction in cleaning efficiency.

This also leads to secondary pollution and unnecessary water waste.

To address this core issue, the ultra-long spray bar—specifically designed for the FC100—was developed as an innovative solution to optimize cleaning performance in aerial operations.

II. Key Product Advantages

The spray bar adopts a carbon fiber composite structure, achieving ultra-lightweight design while ensuring sufficient rigidity and durability.

Its total weight is strictly controlled to fully match the FC100's maximum payload

capacity of 80 kg, ensuring that neither flight stability nor endurance is compromised.

A modular quick-release design allows rapid assembly and disassembly. When folded, the spray bar measures only 1 meter in length, providing excellent portability for transportation and on-site deployment.

III. Technical Specifications

No.	Item	Specification	Remarks
1	Minimum folded length	100 cm	
2	Maximum extended length	370 cm	
3	Device weight	1 ± 0.2 kg	
4	Internal hose pressure	25 MPa	
5	Extension locking method	Rotational adjustment	
6	Nozzle replacement	Quick-release type	
7	Inlet quick connector inner diameter	15 mm	
8	Outlet quick connector inner diameter	12 mm	
9	Nozzle	Not included by default	Optional purchase available