TP-M400-SG1



1. Project Overview

The TP-M400-SG1 is specifically designed to work with the DJI Matrice 400 dedicated extended carbon fiber boom, offering a long operational range and high safety standards. It is ideal for high-altitude tasks such as cleaning building exterior walls, removing dust from photovoltaic systems, cleaning equipment oil stains, and performing outdoor disinfection and washing operations.

- 1.5-second quick-release base – install or remove with just one hand
- Integrated carbon fiber shaft – lightweight, high strength, wind-resistant, and durable
- Mounting below the aircraft using a supplied DJI Matrice 400 quick-release base; verify flight-control behavior for the actual installation.
- Verify center of gravity, aircraft balance and endurance for the actual installed configuration.



Product Parameter

1	Spray gun length	770mm
2	weight	830g
3	way to install	supplied DJI Matrice 400 quick-release base
4	installation site	Below the abdomen
5	Water outlet connector	Standard quick-release brass head
6	Spray boom material	High-strength carbon fiber
7	Jet range	7–10 m (see test conditions below)

8	Cleaning Method	Direct injection
9	Nozzle disassembly method	quick release
10	Inlet quick-disconnect outer diameter	12mm
11	Discharge port quick-release inner diameter	12mm

The supplied base is matched to DJI Matrice 400; no adapter is required for this installation. Compatibility with other aircraft is not specified.

Jet-range test conditions: 2.0 mm nozzle, 10 MPa ground-pump supply, 900 L/h flow, Beaufort force 3 wind. Supply pressure is not a rated working pressure of the complete spray gun; no cleaning acceptance result is implied.

2. TP-M400-SG1 sprayer boom demonstration diagram





2.1 Quick-Disassembly Installation

Features a 1.5-second quick-release base for the spray boom, allowing for easy installation and removal with just one hand.



