

SafeAir + Professional Kit (ASTM F3322-18 Compliant)



Overview

For commercial operators, the ability to operate over people is critical as it opens new verticals and business opportunities that were previously unattainable.

The standard requires over 45 aerial parachute deployments with a 3rd Party Testing Agency. ParaZero's SafeAir Mavic is the only ASTM compliant parachute system for the Mavic 2 and Phantom 4.

The SafeAir Systems' performance and compliance with ASTM Standard F3322-18, meets the latest Transport Canada regulations for flight over people.

SafeAir

ParaZero's SafeAir System is an end-to-end safety solution that is designed for DJI's Mavic 2 & Phantom 4 Series. The SafeAir includes the following safety features:

- Autonomous triggering – the system's independent computer monitors flight in real-time and deploys autonomously when a critical failure is identified.
- Low altitude capabilities – the autonomous computer together with the SafeAir's high-speed parachute launcher enable safe recovery even at low altitudes.
- Mechanical flight termination system – to prevent parachute entanglement and laceration injuries, the SafeAir mechanically stops the spinning rotors.
- ParaZero manual deployment remote included.
- Audio-warning buzzer – reduces probability of impact with a person.

ASTM F3322-18 Documentation Package

ParaZero provides the required product compliance documentation that meets the Transport Canada regulations for flight over people.

The ASTM Professional Kit includes:

- ASTM F3322-18 declaration of compliance – unique per SafeAir unit serial number
- 3rd party testing report and video documentation from over 45 aerial deployments
- Laboratory test results and other product information
- Waiver Safety Explanation – template document describing how an operator can fly safely over people with the SafeAir Mavic System
- Parachute Manual Proficiency Test

Technical Information

	Mavic	Phantom
Total weight:	199.6 g	190.5 g
Minimum flight altitude:	19.11 meters	19.02 meters
Average descent rate:	3.9 mps	5.12 mps
Approx. impact energy:	8.3 joules	21.0 joules
Compatible with DJI Mavic 2 & Phantom 4 series (excluding modular accessories and RTK)		



PARAZERO
DRONE SAFETY SYSTEMS

