Aero Drum Ltd
1999

2 m indoor RC Blimp

Specification January 2026

Item/component	Ready to Fly RC Blimp	Kit Configuration/Set
Size	2 m x 1.5 m	Yes (Yes (included) – No (not included))
Volume	Up to 2 m3	Yes
Lift capacity	Up to 200 – 300 g	Yes
Envelope film	Polyurethane 100 microns white	Yes
Envelope assembly technology	Ultrasonic welding	Yes
Maximum helium loss	1% on total volume per day max	Yes
Stabilizers	4	Yes
Stabilizers material	5 mm foam coated with Polyester film	Yes
Stabilizers attach system	Velcro	Yes
Valve	Built in the envelope (front)	Yes
Logo (Optional)	/	/
Gondola	3D print PLA	Yes
Gondola attaches system	Velcro	Yes
Internal RGB light (Optional)	/	/
Dropping mechanism (Optional)	/	/
Front Motor	1 main motor	No
ESC	Main motors 20 or 15 A	No
Back reverse motor	Brushed	No
Back motor ESC	4 A	No
Main axis Servo	Standard or medium size	No
Gear reduction	5:1 (3D printed PLA)	Yes
RC System	4 channels (RX/TX) 2.4 GHz	No
Safety/park line	5 m 3 mm Polyester line with aluminum clip	Yes
Battery	7.4 V 2S LiPo	No
Digital charger	Included	No
Filling hose	1.5 m filling hose with special plastic adapter for the valve	Yes
Flight autonomy	30 to 40 minutes depending on piloting style.	
Balance lead	Included	No

The above specification is for the **Ready to fly** ordered RC Blimps. In other words, it is a fully functional RC Blimp that just need helium container which is purchased locally. **Kit configuration/Set** has most of the above components (key components) except the electronics as shown in the above table. Production time for a 4.5 m RC Blimp - Ready to Fly or Kit configuration - is 4 to 6 days. The specification for the electronics components is subject to change depending on the available provider but do not affect the end quality of the blimp in any way. The envelope is tested 24 hours under high air pressure after competition and the electronics are at least tested 1 hour in all work regimes.

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