RPX TECHNOLOGIES

DRYBOT
ENGINE DEHYDRATOR

DRYBOT™ AUTOMATED ENGINE DEHYDRATOR

CHEAPER THAN AN OVERHAUL

Aircraft engines usually don't wear out, they "rust out," particularly cams and lifters in aircraft that are not flown at least once per week. Corrosion damage in owner-flown aircraft resulting in premature overhaul is why the inventors of "DynaVibe, the Affordable Prop Balancer" engineered DryBot – an automated engine dehydrator to prevent corrosion 24/7 – No maintenance, no hassle.

DryBot is a **desiccant-based** engine dehydrator that pushes a flow of "dry" air, via tubing, into the crankcase of the aircraft engine. No need for routine desiccant maintenance – **DryBot automatically regenerates** its desiccant beads with an automatic, self-heating cycle. At less than 7 lbs, DryBot is highly portable and can perform in even the most extreme humidity conditions*.

TOTALLY AUTOMATED

The DryBot is totally automated and can be left unattended. No user maintenance is required. When your aircraft is in the hangar, connect your DryBot to power then to your engine and you're done!

HELPS PREVENT ENGINE CORROSION

The DryBot is designed to maintain internal engine humidity below the critical relative humidity at which corrosion occurs on steel surfaces such as cams and lifters.

SELF MONITORING

Armed with 12 sensors, the DryBot continually monitors for system and setup faults to ensure system performance. "**Green light, you're good!**"

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HOW DOES IT WORK ?

PLUG INTO POWER

Once the green light appears, the DryBot will begin to push dry air through its tubing.

ATTACH TO ENGINE

Attach the engine-specific tubing adapter to the oilfill or engine exhaust.

DONE

Enjoy peace of mind that your engine is dry while you aren't flying.

DRYBOT™ AUTOMATED ENGINE DEHYDRATOR

Size	4 x 6 x 16.5 in (10 x 15 x 41 cm)
Weight	6.5 lb (3 kg)
Construction	All Aluminum Housing
Portability	Carrying Handle
Output Humidity	< 20% RH
Operating Temperature Range	0 - 120°F (-20 to 50°C) **Note:** Do Not Place in Direct Sunlight.
Humidity Range	0 - 100% RH *non-condensing
Engine Adapters Available	Lycoming, Continental, Rotax, and Others on Request
Engine Types	Currently Available for All Piston Engines, Inquire with RPX for Turbine Options
Power Supply	110 VAC / 220-240 VAC (50/60 Hz)
Power Consumption	10 W Continuous (125 W Peak)
Automation Features	System Monitors: Air Flow Rate, Input / Output Air Pressure, Output Humidity and Internal Temperature
Parts Replacement	No User-Serviceable Parts
Overheat Protection	Automatic Over-Heat Shut-Off

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