

**PRESS RELEASE**

PBS Velka Bites, a.s.  
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# PBS Velka Bites Completed Auxiliary Power Unit with Serial Number 1500 at the End of 2024

**Velka Bites – PBS Velka Bites, a.s., a member of PBS GROUP, achieved a remarkable success in December 2024 with the completion of its 1500th Safir 5K/G MI Auxiliary Power Unit (APU).**

The Safir 5K/G MI provides an independent source of electrical and pneumatic power for main engine starting and onboard systems operation in helicopters, trainer aircraft, and other applications. The auxiliary power unit supplies AC voltage to the onboard network and provides compressed air that can also be utilized for the air conditioning system. Thanks to its high reliability, low weight, and compact dimensions, it has become a sought-after solution among helicopter manufacturers and operators worldwide.

It particularly excels in its technical parameters - capable of continuous operation for 6 hours at a maximum operating altitude of 6,000 meters, with optimized fuel consumption of 63.55 kg. To ensure safe operation, the Safir 5K/G MI is equipped with an advanced diagnostic system featuring RS 422 interface, enabling comprehensive monitoring of all key parameters including exhaust gas temperature, speed, and fluid status.

PBS Velka Bites offers a comprehensive portfolio of auxiliary power units. The company manufactures the units in hundreds of pieces, with the Safir 5K/G MI being historically the most successful product in this category. Each product is optimized for specific applications:

**Safir 5K/G MI**

- Simultaneous supply of electric power and compressed air
- Continuous operation for 6 hours
- Start and operation up to 6,000 m

**Safir 5K/G MIS**

- Simultaneous supply of electric power and compressed air
- The only PBS product to supply DC voltage to the aircraft's on-board network
- Continuous operation for 6 hours
- Start and operation up to 6,000 m

**Safir 5K/G Z8**

- Continuous operation for 6 hours
- High reliability
- Long service life

#### **PBS APU SPARK40**

- Simultaneous supply of AC power and compressed air
- Continuous operation for 6 hours
- Start and operation up to 6,000 m
- Flight envelope up to 8,000 m
- Cancellation of return fuel line to airframe fuel system

The production of the 1500th Safir APU confirms rapidly growing interest in PBS GROUP's products. The company is registering a record number of orders for the coming years, not only in the field of auxiliary power units. There is also significant growth in demand for PBS turbojet and turboshaft engines and environmental control systems. This trend confirms PBS GROUP's strong position as a reliable supplier of cutting-edge solutions for the aerospace industry.

#### **About the company:**

PBS Velka Bites, a.s. is part of PBS GROUP and specializes in the development and production of precision engineering products for the aerospace industry, including auxiliary power units, environmental control systems for aircraft and helicopters, and jet engines. PBS is a recognized global supplier certified by leading world aviation authorities.

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