

ENVIRONMENTAL CONTROL SYSTEMS

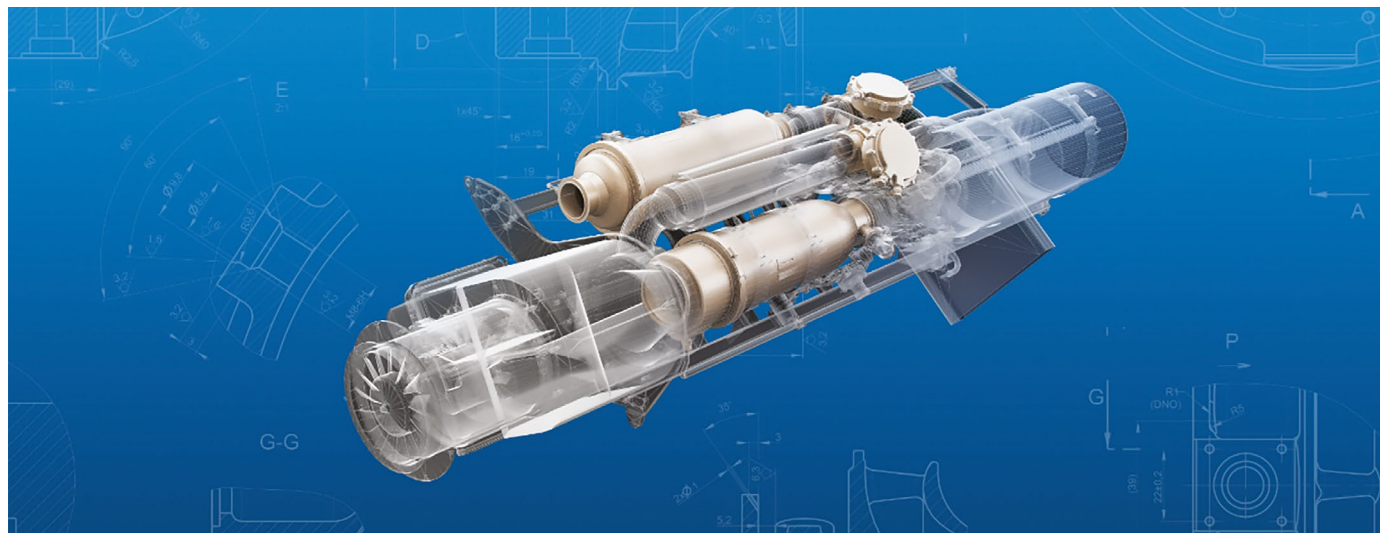


AEROSPACE • INVESTMENT CASTING • CRYOGENICS • SURFACE TREATMENT

WE DEVELOP AND MANUFACTURE ENVIRONMENTAL CONTROL SYSTEMS

PBS focuses on continuous R&D, technological innovations and new ECS development.

Our competent team of seasoned engineers continuously works on further development to improve crucial subsystems, components, and parts of the ECS to gain an edge in the highly competitive environment of the aerospace industry.



MAIN FEATURES

Our ECS is designed to maintain a comfortable thermal environment in helicopters, jet trainers & light combat aircraft.

- › Low electricity requirements
- › Ecological operation – no coolant
- › All-in-One - heating & cooling & ventilation
- › Low weight
- › Compact design
- › Simple maintenance



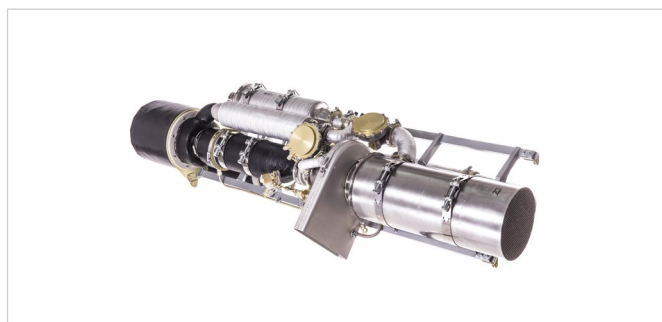
PBS ECS

We offer both „off-the-shelf“ existing ECS solutions and components as well as newly designed ECS systems, subsystems or components tailor-made to customer's needs.

COMPLEX AIRCRAFT ECS SOLUTIONS

- › Air cycle machines
- › Air and thermal management system
- › De-icing system
- › Anti-g system components

ECS - M1V



ECS - Y12F



ECS - K8



ECS - COMPONENTS



TECHNICAL PARAMETERS

PARAMETERS	ECS - M1V	ECS - K8	ECS - Y12F	ECS - L39NG
Airflow	1,500 kg/h	560 kg/h	1,000 kg/h	530 kg/h
Cooling capacity	10.8 kW	3.3 kW	7.8 kW	3.3 kW
Heating capacity	62.0 kW	16.8 kW	19.7 kW	16.8 kW
Dry weight	60.0 kg	32.0 kg	41.0 kg	30.0 kg
Max. operating altitude	6,000 m	11,000 m	7,000 m	11,000 m

WHY PBS

- › More than 50 years of experience in ECS development and production
- › Over 7,000 ECS delivered
- › Installation possible at customer's facility
- › EASA certified producer (DOA, POA, MOA)
- › TIER 1 supplier – 90 % in-house production

WE ARE PBS

Established over 200 years ago, PBS is a leading international engineering company, which is renowned worldwide in the Aerospace industry for the manufacturing of Turbojet, Turboprop, and Turboshift Engines designed for UAV's, Auxiliary Power Units, Environmental Control Systems and also components for Cryogenic Systems.

In addition, PBS's foundry is one of Europe's leading suppliers of nickel and cobalt-based superalloy castings. PBS also provides a range of services in the field of precision machining and metal surface treatment.



DOA, POA and MOA



AS 9100,
ISO 9001 and ISO 14001



Non-destructive
testing (PT, RT)

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PBS INDIA

