

ENVIRONMENTAL CONTROL SYSTEMS

Environmental Control Systems are designed to maintain a comfortable thermal environment in the cockpit, passenger cabin and cargo holds of aircraft and helicopters

ECS-K8 for Aircraft K8



ECS-Y12F for Aircraft Y12F



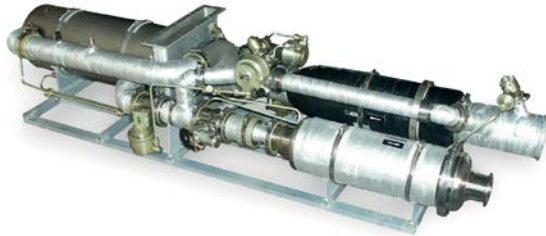
ECS-M1V for Helicopter Mi-8/Mi-17/Mi-171A2



ECS for Aircraft L-39, L-159



ECS-AAO Ground Unit



Main features

- › All-in-one cooling and heating
- › Low weight, simple installation
- › No electricity requirements
- › Long time before overhaul (TBO)
- › Ecological operation - no refrigerant
- › Simple variability according to customer requirements

Technical parameters

Inlet bleed air pressure	max. 1,400 kPa	max. 203 psi
Inlet bleed air temperature	max. 430 °C	max. 806 °F
Air flow rate	max. 1,500 kg/hour	max. 3,300 lb/hour
Cooling capacity	max. 10.8 kW	max. 36,900 BTU/hour
Heating capacity	max. 62.0 kW	max. 211,800 BTU/hour
Air-conditioning air temperature range	from +0 °C to +90 °C	from +32 °F to +194 °F
Cabin temperature control range	from +15 °C to +30 °C	from +59 °F to +86 °F
Operational ambient temperature	-55 °C to +60 °C	-67 °F to +140 °F
Operational altitude range	0 to 12,000 m	0 to 39,400 ft