



HiPPAG® Compressor

500 Series – Stores Ejection



Key features

- Minimises logistics footprint by eliminating the need for pyrotechnic cartridges, other single-shot devices and their associated support equipment.
- Continuous control of system pressure ensures an accurate and repeatable separation of store from aircraft.
- Reliable, combat proven with over 18,000 systems supplied.
- Modular construction can be reconfigured to suit installation requirements.

Overview

Ultra PCS designs and manufactures a range of integrated High Pressure Pure Air Generators (HiPPAG®) for the supply of high-pressure dry air for use within pneumatic cold gas stores ejection systems.

Our HiPPAG® 500 Series systems are designed to meet the demanding requirements of precision ejection systems and provide flexibility of installation within carriage systems, aircraft pylons or in internal weapons bays on high performance crewed and uncrewed military aircraft platforms.

HiPPAG® - high performance compressor and filtration

Tailored to our customers

Offered as either 'military-off-the-shelf' or as custom designed solutions to meet platform-specific requirements.

Innovative design

Each HiPPAG® compressor system comprises of a high pressure compressor module featuring a highly efficient brushless DC motor, a filter module with a desiccant filter cartridge and a compact electronic control unit. HiPPAG® sensors control the system pressure within a set band to ensure accurate and repeatable release characteristics.

Features

- Operating pressure up to 414 bar (6,000 psi)
- Flow rates up to 30 SL/min
- Air dryness <15ppm H₂O

Programmes

Our HiPPAG® can be installed on air, land or sea borne platforms, with over 18,000 supplied to date, across 49 Air Forces worldwide.

- Eurofighter Typhoon
- Boeing F/A-18C/D/E/F Hornet/ Super Hornet
- Boeing F-15E
- BAE Systems Hawk
- BAE Systems / Boeing AV-8B / Harrier
- Lockheed Martin F-35 Lightning II
- Lockheed Martin F-16
- Lockheed Martin F-22
- Lockheed Martin AC-130
- Saab JAS-39 Gripen
- Sepecat Jaguar
- Panavia Tornado
- Airbus Helicopters Tiger

