



Single Control Console



AMS Pt No 10001-20



AMS Pt No 10001-14

*NATO Suppliers Code for Manufacturing
Aircraft Recovery Equipment
NSCM U7972*



AMS Aircraft Recovery Systems



Single Control Console.

The Single Control Console is the industry standard for inflating Airbags. The simple but effective design offers a cost effective method of controlling the inflation and lifting process.

Each Control Console requires one operator to control the inflation and pressurisation of each individual Airbag. The pressure in each Airbag element is controlled using the pressure gauge provided on the Console.

Using all 15 outlets and 15 Single Element Airbags, will give the operator a lift height of 3 metres.

If the Consoles are to be used to inflate a Multi-stack Airbag with more than 15 elements, a 1 metre Link hose can be used on the gap fill Airbags to give the Console the extra capacity, thus enabling the AMS Single Control Consoles to be compatible with any system already available.

AMS Systems Engineering supply two types of Single Control Console, to meet the needs of different budgets, the Single Control Console 10001-13 has the added option of a pressure gauge on each air supply outlet. This enables the operator to monitor the Air pressure of each Airbag Element, without depressurising the air chamber to take the reading from a single gauge.

Air Distributor

The Air Distributor is used to economically distribute air supply from the Compressor to the Single Control Consoles. The distributor supplied with 1 inlet and 6 outlets all using gas specification ball valves with claw connector couplings.



Single Control Console 10001-13 as supplied to the US Airforce.



Cost effective approach to rapid removal of Aircraft.



Single Control console and a set of 30 tonne Single Element Airbags.



Air Distributor AMS Pt No 10001-08.

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Single Control Console - features.

The Single Control Console Consists of a steel manifold mounted on four fold away legs. The legs are secured in their open or closed positions by steel locking pins. The Console is designed to withstand a force of 136kg (300lb), applied laterally whilst in its operating position, without becoming unstable. This is a requirement of Mil Std 810. All operating equipment is protected by roll bars attached to each end of the manifold. The whole unit is plastic powder coated for increased corrosion resistance.

Air is supplied to the Airbags through fifteen Control Valve's, mounted on the top face of the manifold. Air hoses are connected to the console by Quick release 'Claw Couplings'. This type of coupling requires minimal maintenance, as there are no moving parts or complex mechanisms to maintain.

Each Console is supplied packed in a wooden transit crate, which can be stacked on top of each other, thus reducing storage space.

Air Pressure/Filter Regulator & Pressure Relief Valve

Inlet air pressure is regulated and filtered by a single unit, this reduces maintenance time and replacement costs. Once the operating pressure is set, the unit has the option of being made "tamper proof" preventing unqualified personnel from adjusting the pressure incorrectly.

A Pressure Relief Valve is fitted to the Console air chamber, this prevents over pressurisation of the air chamber and pressure gauge in the event of the Pressure Regulator being set incorrectly.



Legs locked in their Storage positions.



Single Control console in its operating position.



Control Valves and Pressure Gauges on Console 10001-20



Combined Air Filter & Pressure Regulator

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AMS Aircraft Recovery equipment operators.

Hualien Airport, Taiwan.
Manchester International Airport, England.
Newcastle International Airport, England.
Birmingham International Airport.
Royal Australian Air Force.
Makung Airport, Taiwan.
Emirates International Airline.
South African Airways.
Canadian National Defence.
Taipei Domestic Airport, Taiwan.
Royal Norwegian Air Force, Norway.
United States Air Force, USA.
TWA Airlines, United States of America.
Delta Airlines
Royal Malaysian Air Force, Labuan, Malaysia.
Egyptian Civil Aviation Authority, Egypt.
Mactan-Cebu International Airport, Philippines.
Bali International Airport, Indonesia.
Aer Rianta Dublin Airport.
Royal Brunei Airlines
Republic of Korea Air Force
Ghana Civil Aviation Authority
Thai Airways International
Japan Airlines
Royal Air Force
United States Air National Guard