

ITEM 39
ITEM 40

ANTI-G SUITS, Mk. 4A AND 5A

Ref. No. 22C/1509 to 1512 and 22C/1841 to 1844



Use

To exert pressure on the abdomen and lower limbs so that pooling of the blood in these areas is prevented, the effect being to raise the wearer's ability to withstand high 'g' forces without blacking out. Another use is to provide external pressure when the wearer is breathing oxygen at pressures above ambient. In this application the suit is integrated with a pressure jerkin/oxygen mask or partial pressure helmet.

Details

A garment cut away at the knees and posterior enclosing inflatable bladders located over the abdomen, thighs and calves. Inflation pressure is controlled by an anti-g valve to a value appropriate in each instance to the (g) force applied. In the second use mentioned, inflation is to the same pressure as that in the jerkin. The main difference in the two suits is in the location of the inlet hose. On the Mk. 4A this is on the left-hand side of the waist-belt. It is on the other side of the waist-belt of the Mk. 5A. The illustration shows the Mk. 4A.

Reference

A.P.1182E (NAVAL), Vol. 1, Sect. 1, Chap. 7; A.P.1182E, Vol. 1, Sect. 1, Chap. 10.

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