



Martin-Baker

Manual Liferaft Inflation Unit (MLIU)

The Martin-Baker Manual Liferaft Inflation System for the inflation of emergency liferafts comprises of two fully qualified MBA designed assemblies:

- ▼ 'Sealed for life' CO₂ gas cylinder
- ▼ A simple, robust and low maintenance operating head
- ▼ Simple retro-fit
- ▼ Cost effective with a 10 year maintenance cycle
- ▼ Value after expiry - can be used for wet drill training
- ▼ Qualified and flying in PC-21
- ▼ Reduced costs with minimum labour, training, GSE and maintenance time
- ▼ Over a 10 year cycle, the current equipment is over 4.5 times more labour intensive than MLIU. Therefore, the use of the MLIU substantially reduces maintenance costs.



Benefits of combination assembly

- ▼ Sustainable procurement (no CO₂ charging facilities, no materials or spares)
- ▼ Reduced cost (minimum maintenance time, labour, training and GSE)
- ▼ Value after life expiry (wet drill training)



PART NUMBER MBEU 116777-1
 DISCARD BOTTLE BELOW
 CHARGE DATE 01.02.06
 883g
 CONTENTS CO2 [MAX. 270 barg AT 93°C]
 TEST PRESSURE 414 Bar TO DEF STAN 00 970 VOL 1 PARA 4.7



UPGRADE

The Martin-Baker Manual Liferaft Inflation System for the inflation of emergency liferafts comprises of two fully qualified MBA designed assemblies:

- ▼ A simple, robust and low maintenance operating head
- ▼ A 'sealed for life' CO₂ gas cylinder filled with an 8oz gas charge

When coupled, the inflation system can be retro-fitted as a direct replacement to most types of single seat liferafts currently in use world wide. It offers cost effective liferaft inflation solutions, and dovetails well with the acknowledged need for sustainable procurement strategies in the modern world. Our research has indicated that maintenance costs, when using the MB system, can be reduced by around 75%.

With a 10 year lifecycle fit, the system is very environmentally friendly. By removing the need for recharging and/or strip down maintenance every 2 years, CO₂ gas released into the atmosphere, and solvents used for cleaning are virtually eliminated.

At the 10 years strip down point, the MLIU portion only requires a simple pressure test and several O-ring seals replacing. Unlike the FLU-6/P or Kidde, once the life cylinder has expired it can then be used on wet drill training as a 1-shot device. Thus the carbon footprint of maintenance facilities is reduced.

Advantages

MLIU

- ▼ 10 year maintenance cycle
- ▼ Only a visual inspection at 2 years
- ▼ 3 minor items of GSE

CO₂ Cylinder

- ▼ 10 year lifecycle, then dispose (or use for wet drill)
- ▼ Visual inspection & check weight every 2 years
- ▼ No GSE
- ▼ No spare parts
- ▼ No external resources
- ▼ Flying in Typhoon, AJT Hawk, Gripen, KTX, etc

