

AIR BAG PRESSURE MAINTENANCE SYSTEM



TECHNICAL DATA SHEET - Air Bag Pressure Maintenance System



Application:

- Maintenance of dunnage bag pressure during lengthy voyages.

The problem of pressure loss in dunnage bags during long voyages, caused by variations in atmospheric temperature and pressure or leaking bags due to mechanical damage can be overcome by this system. Due to these changes a bag can lose over 50% of its pressure during a long voyage. The system also allows bags to expand and maintain the correct pressure, holding the stow tight as the cargo compresses and small gaps close during the voyage. Up to twenty bags can be inflated rapidly to a safe working pressure that can be maintained indefinitely. Each unit is supplied with a tough transit case and all fittings for connection to twenty bags.

Performance:

- Rapid Fill Mode: Sufficient air is provided to fill up to twenty 2.44m x 1.2m air bags simultaneously. Bags cannot be inflated to more than the safe working pressure.
- Top-Up Mode: Air is provided at 0.4 bar to each dunnage bag at 5 litres per minute to compensate for small leaks, variations in ambient temperature and pressure.
- The low flow rate in top-up mode ensures that if bags burst during a voyage sufficient air remains available to continue topping up the remainder.

Air Supply:

- Standard ship's air supply is filtered and dried by the system.
- Approximately 6-8 bar is required.



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Checkmate Flexible Engineering

Unit 6, Pegasus Way, Bowerhill, Melksham, Wiltshire SN12 6TR, UK Tel: +44 (0) 1225 705 465 Fax: +44 (0) 1225 707 497
email: sales@checkmateflex.com www.checkmateflex.com