

SEEKER
RADAR DETECTABLE
SURFACE MARKER BUOY

The SEEKER Radar detectable inflatable surface marker buoy is a visual marker combined with a radar detectable device and is ideal for all types of adventure sports as well as divers, snorkelers, swimmers and other applications for search and rescue situations.

The SEEKER Radar detectable surface marker buoy is detectable using radar systems from boats/helicopters or any radar seeking equipment. This system has a proven radar range of one and half miles from boats and a two mile range from helicopters in mild to moderate sea conditions but its signal may continue to be received intermittently in more severe circumstances. This particular system has been designed to work inside inflatable surface marker buoys. Using a conductive material and shaped to receive and send back radar signals the marker buoy reflects the radar signals enabling search and rescue services to locate the position within a distance of two miles and would be ideal to locate personnel in emergencies such as fog and night time rescue situations.

The SEEKER system can also be used by snorkelers and swimmers who may possibly not be seen by oncoming vessels and would also be detectable if lost at sea.

The SEEKER system is configured within an inflatable buoy which is tubular in shape, and is manufactured from high visible flow orange waterproof polyurethane coated in nylon. In addition, many high visible colours will also be made available. The SEEKER radar conductive shape is positioned inside the top part of the inflatable buoy and is welded to the inside walls of the buoy. When the SEEKER buoy is inflated the radar construction inside unfolds and is formed to operate.

The SEEKER buoy may be inflated in four different ways:-

1. By blowing through the oral tube.
2. The oral tube has a non locking nipple fitting which the user can connect to hold a scuba divers low pressure inflation hose fed from a first stage regulator.
3. By replacing the blanking plug system inserting a din pillar then fitting 0.1 litre air cylinder to releasing the air from the cylinder into the buoy.
4. By inserting a scuba divers second stage regulator and purging into the bottom of the SEEKER buoy.

Both the oral tube and the bottom of the SEEKER buoy have non-return valve systems to prevent the air from escaping. To avoid over inflation, an overpressure valve is fitted to the SEEKER buoy. The same overpressure valve has a pull cord which facilitates deflation of the system. When the SEEKER buoy is fully inflated it may also be used as an additional flotation device at the surface. Once the SEEKER buoy has been fully deflated it can be rolled and fastened neatly for storage.

Patent No: Pending

SEEKER SMB



CODE	DESCRIPTION
CDSEE	SEEKER SMB (Dimensions:- 1800mm x 215mm)
CDSSP	SEEKER SMB STORAGE POCKETS
CDCPD	CYLINDER POST (Din)
CDCPA	CYLINDER POST (A-Clamp)