

# ARC (Acoustic Release Canister)

The original Acoustic Release Canister, as well as its ARC Lite sibling, are designed primarily for Innovasea fish tracking equipment and have been proven on over 1000 successful deployments.



## Key Features

- Compatible with world-leading Innovasea Acoustic Release
- Allows simple recovery of seabed mooring
- Proven across 1000+ deployments
- Buoyancy: 3 (or 2 for ARC Lite) x 11" trawl floats, widely available off the shelf
- 3 sizes: ARC 150, ARC 300, ARC 450

## About ARC

RS Aqua's ARC (Acoustic Release Canister) retrieval system is designed primarily for use with Innovasea's VR2AR and NexTrak fish tracking acoustic release (AR) receivers, as well as the Ascent AR. When the AR device is activated, ARC brings it to the surface whilst leaving a rope attached to the anchor for easy recovery of all seabed mooring infrastructure. Additional sensors such as passive acoustic recorders, CTDs,

ADCPs and cameras can be mounted to and recovered using the ARC system. The system is low-cost, easy to maintain and includes lifetime product support from RS Aqua.

## Construction

ARC comprises of two main sections; the upper plate and the rope canister. The upper plate attaches to the AR device's mooring brackets and holds 3 (or 2 for ARC Lite) 11" 8.4kg buoyancy trawl floats. This section ascends to the surface when the AR device is activated.

The rope canister is attached to the release lug at the base of the AR device and the seabed anchor. As the upper plate ascends, the rope is spooled out of the canister allowing subsequent recovery of the seabed anchor.

Manufacturing of ARC is achieved with robust, high-quality materials, no moving parts and minimal fittings. This reduces failure points, and minimises maintenance, whilst keeping total costs low. It is designed

to present a low profile in high tide and current environments, and all parts can be removed for easy replacement and cost-effective shipping.

# Specifications

Subject to change without notice

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| <b>Weights</b><br>(including standard accessories) | ARC 150: ~19kg, ARC 300: ~24kg,<br>ARC 450: ~29kg<br>ARC Lite 150: ~15kg, ARC Lite 300: ~20kg,<br>ARC Lite 450: ~25kg |
| <b>Rope Capacity</b><br>(4mm Dyneema)              | 150m (ARC 150), 300m (ARC 300), 450m (ARC 450)  |
| <b>Buoyancy</b>                                    | 3 x 11" Trawl Floats (widely available off the shelf)<br>2 x 11" Trawl Floats (ARC Lite)                              |
| <b>Materials</b>                                   | Heavy Acetal (main body)<br>316 Stainless Steel (legs)  |