

# QMOD

## Medium IED Disruptor

QMod™ is a medium-weight, explosively driven water disruptor designed to handle heavy-cased and medium-sized IEDs, such as fire extinguishers and gas cylinders, as well as direct attacks on car doors.

Although it shares the same geometry as the MLVD™, QMod is only a quarter of its length, making it easy to deploy in various scenarios, by ROV or manually. Its blunt projectile design enhances its effectiveness in punching and crushing larger targets, allowing it to breach steel doors.

Accurate explosive effect, low NEQ

Patented technology

Low fragmentation

Lightweight, cost-effective charge system



# Performance

QMod utilises sheet explosives or det cord as the propellant, with water acting as the projectile. Each charge consists of two containers—a tamper and a projectile—that fit together to encase the explosive charge. End caps compress the two containers together, featuring grooves that allow multiple charges to be connected side-by-side or end-to-end. This design enables the size of the assembly to be adjusted based on the target.

QMod produces a short, blade-like jet of water. While this shape is less penetrating than an equivalent point-focal jet, it enhances the ability to penetrate heavy cases and effectively disrupt the initiation system of the target.

A single module can disrupt wooden and metal boxes up to the size of a 40-gallon drum. It is effective at removing the concrete cladding from suspected roadside IEDs, which typically consist of projectiles encased in concrete, from a stand-off distance. Additionally, QMod is capable of disrupting IEDs contained within steel fire extinguishers or barrels, and it can penetrate vehicle doors to neutralize an IED inside.

QMod can also be used for breaching. When a charge is placed against a stud wall, it creates a gun port while simultaneously injecting 0.6 litres of a liquid irritant, such as CS or pepper spray, incapacitating the occupants of the room immediately.

# Specifications

- Dimensions: 160 x 135 x 100 mm
- Weight empty: 0.3kg
- Weight loaded: 1.9kg
- Water capacity: 1.6 litres
- Vol. of projected water: 0.6 litres
- NEQ: max 95g



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