



QMod™

The QMod™ is a medium-weight explosively driven water disruptor for use against medium sized Improvised Explosive Devices (IED). The QMod™ has the same transverse geometry as the renowned MLVD™ but is a quarter of the length, making it the ideal disruptor for mounting onto a small remotely operated vehicle (ROV) or for carrying by hand.

When loaded the QMod™ weighs less than 2kg (4.4lb). Using patented technology for producing a shaped charge, QMod™ uses sheet explosive or detonating cord as the propellant and water as the projectile. Each module consists of two containers - a tamper and a projectile, which are fitted together sandwiching the explosive charge. End-caps hold the elements together and allow separate modules to be joined side-by-side or end-to-end according to the size and shape of the target.

#### Features include:

- > Accurate explosive effect, low NEQ
- > Patented technology
- > Low fragmentation
- > Lightweight, cost effective charge system

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WHEN YOU CAN'T AFFORD TO FAIL

## Explosive Effect

The QMod™ produces a short blade-like jet of water. Though less penetrating than an equivalent point-focal jet, this shape increases the probability of striking and destroying the initiation system of the target if its location is not known precisely.

## Applications

Deployable by hand or by ROV, a single module is suitable for the disruption of wooden and metal boxes up to the size of a 40 gallon drum. The QMod™ is effective at removing the concrete cladding from suspected roadside IEDs, consisting of projectiles cast in concrete, at a stand-off. It is also capable of disrupting IEDs in steel fire extinguishers or barrels and penetrating a vehicle door to attack an IED within. The QMod™ may also be used in breaching as an injector of irritant such as CS or pepper. A charge, placed against a stud wall, creates a gun-port while simultaneously injecting 0.6 litres of liquid containing irritant, immediately incapacitating occupants of the room.

## Safety

No metal is used in the construction of the device, ensuring minimal projection of dangerous fragments. The explosive is surrounded by water on all sides, this arrangement not only provides tamping for the explosive, but it causes a higher proportion of the explosive energy to be imparted to the jet and it suppresses the flash of the explosion. It also reduces the shockwave generated by the charge making it much less dangerous and damaging than heavy recoil disruptors.

## For further information

Contact [sales@explosives.net](mailto:sales@explosives.net), telephone +44(0)1249 65 1111 or speak to your authorised Alford representative.

## Specifications

|                           |                                 |
|---------------------------|---------------------------------|
| Dimensions                | 160 x 135 x 100mm (6 x 5 x 4in) |
| Weight Empty              | 0.3kg                           |
| Weight Full               | 1.9kg                           |
| Total Water Content       | 1.6 litres                      |
| Volume of Projected Water | 0.6 litres                      |



Before and After



Loading QMod™ with Explosive



QMod™ being deployed by an ROV

## Other products to consider:

For small water projectors  
– Bottler™, MiniMod™ or  
DemiMod™

For medium water projectors –  
QMod™ or MajorMod™

For a large water projector –  
MLVD™

For Breaching – Gatecrasher™  
or Breacher's Boot™



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