Rescue Launcher

Vibrating Ice Scraper
40,000 Coast Guard search and rescue cases per year

1800 coast guard boats
280 navy ships
500 cruise ships

6200 beaches

10000 rescue teams
features:

line retrieval system
variable range
projectile versatility
quick-change CO₂ canisters
700 m range

4.5’ long cannon
4” diameter projectile
15 lbs
Launching Systems:

Mechanical (spring or elastic)

- power
- reload
- consistency

Combustion

- power
- reload
- consistency

Compressed gas

- power
- reload
- consistency

SilverB design alternatives
<table>
<thead>
<tr>
<th><strong>ResQmax</strong></th>
<th><strong>ResQ Disc</strong></th>
<th><strong>Rescue Launcher</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>range</strong></td>
<td>122 m</td>
<td>30 m</td>
</tr>
<tr>
<td><strong>size and weight</strong></td>
<td>2.5’ long, mid-weight</td>
<td>1.5’ diameter disk, 3 lbs</td>
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<tr>
<td><strong>launch mechanism</strong></td>
<td>compressed air, need scuba tank or air compressor</td>
<td>human-powered</td>
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<tr>
<td><strong>projectile options</strong></td>
<td>inflatable sling, floatable line, phosphorescent grappling hook</td>
<td>floatable disk line</td>
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<tr>
<td><strong>shots per reload</strong></td>
<td>multiple</td>
<td>1</td>
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<tr>
<td><strong>features</strong></td>
<td>folding stock, shoulder-mounted launching safety</td>
<td>very portable, quick to deploy</td>
</tr>
<tr>
<td><strong>cost</strong></td>
<td>$2330</td>
<td>$35</td>
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Results
80ft@80psi
Coiled rope in barrel best
Valve leakage a concern
Projectile seal accuracy important

Future
Quick-change CO2
Pressure regulator
Inclinometer
Vibrating Ice Scraper

Rescue Launcher

SilverB

Questions