# Pneumatic Line Thrower

CAPABILITY SHEET · THE LINE SETS THE RANGE. · AN AIR RESERVOIR, A QUICK-RELEASE VALVE, A THROW TUB

## THE ONE IDEA

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| **PRINCIPLE** | The line sets the range. |
| **WHY IT MATTERS** | The air gives the head its speed, but the head drags the line out behind it, so more air buys less and less distance, and a lighter line goes farther. |

## THE THROWER

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| **RESERVOIR** | An air reservoir built as a pressure vessel, with a relief valve set below its rating and a charging connection. |
| **VALVE** | A quick-release valve that opens fast and seals well, with a safety catch that holds it shut until it is wanted. |
| **TUBE AND HEAD** | A straight throw tube and a soft, weighted head, or a hook head, joined to the line by a joint stronger than the line. |
| **LINE** | The lightest line that does the work, in a container where it lies in layers and leaves in order. |

## THE METHOD

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| **ORDER** | Duty, reservoir and valve, tube and head, line and container, build and prove. The line and its container are the two that a quick job skips. |
| **LIMITS** | Distances, pressures, masses and line sizes come from the customer's duty, and are not printed here. |

## CONFIGURATIONS

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| **HAND-HELD** | A hand-held thrower: a grip, a short tube and a small reservoir. |
| **STAND-MOUNTED** | A stand-mounted thrower: a stand, a longer tube and a larger reservoir. |
| **SPECIAL** | A special thrower: a head, a line or a source of air that is not standard. |

## STANDARDS & SCOPE

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| **REFERENCE** | Public reference: the IMO LSA Code, chapter VII, for line-throwing appliances. |
| **SCOPE BOUNDARY** | It is the pneumatic line thrower: not a replenishment at sea system, not a rescue tool power unit and not a relief valve test bench. |
| **STATUS** | Neometrix engineers pneumatic line throwers to order, and no delivered pneumatic line thrower is claimed. |

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