VR Fire Extinguisher Training

Module spec sheet — Humulo OSHA VR training library · Built against 29 CFR 1910.157 · Last updated October 2026

Humulo's VR fire extinguisher training is a standalone virtual reality module in which a trainee identifies Class A, B and C ignition sources in a shipyard worksite, pulls the alarm, selects and checks an extinguisher, and discharges it using the correct aim-and-sweep technique. The fire responds to whether the trainee selected the right extinguisher class and maintained a safe distance; wrong class or wrong distance produces a failed attempt rather than a pass. It runs 15+ minutes per attempt on Meta Quest or PICO 4 Ultra Enterprise headsets, works fully offline, and is built to carry the educational content OSHA requires under 29 CFR 1910.157(g).

Module specifications

Format	Standalone VR, single trainee per headset
Runtime	15+ minutes per run, repeatable
Environment	Shipyard worksite with Class A, B and C ignition sources
Hardware	Meta Quest; PICO 4 Ultra Enterprise
Network	Runs offline once loaded; suitable for air-gapped and secured sites
Group delivery	Multicast kit mirrors a headset to a TV or projector for classroom delivery
OSHA standard	29 CFR 1910.157(g)
Licensing	12-month license per trainee; included with every Humulo headset

What a trainee actually does

The scenario is sequenced, not a sandbox. Trainees walk the shipyard and tag combustibles, flammable liquids and energized electrical equipment as Class A, B and C. They pull the alarm before engaging. They locate an extinguisher, check it, and carry it to the fire. Then they discharge it — aim at the base, sweep side to side — and the fire responds to whether they did that correctly. Getting the class wrong or standing too close produces a failed attempt rather than a pass, which is the part a slide deck cannot do.

How this maps to OSHA 1910.157

29 CFR 1910.157(g)(1) requires an educational program covering the general principles of extinguisher use and the hazards of incipient-stage firefighting for any employee expected to use an extinguisher. Paragraph (g)(2) requires it at hire and at least annually thereafter. Paragraph (g)(3) adds training on the equipment itself for employees designated to fight fires under an emergency action plan, also annually. This module is built to carry that content and to produce a per-trainee completion record.

Where this module stops

The honest limit. OSHA does not certify training products, and Humulo does not claim it does. If your authority having jurisdiction, insurer or fire marshal specifically requires a live-fire evolution, VR does not substitute for it. What VR reliably replaces is the annual refresher for the large population of employees who will never touch a real extinguisher in training because the burn pan only gets through thirty people a day.

Vendor of record

Vendor	Humulo Virtual Reality Inc.
Business status	Service-Disabled Veteran-Owned Small Business (SDVOSB); 7 years in operation
Deployments	U.S. Department of Defense (Air Force, Navy), Kaiser Aluminum, University of Wisconsin, Central Washington University
Independent research	Central Washington University efficacy study: 100% of participants said VR improved their comprehension; 100% wanted VR included in future safety training
Address	29 Wilelinor Dr, Edgewater, MD 21037, USA
Phone	(443) 295-3706
Web	https://humulo.com

Module page: https://humulo.com/product/fire-extinguisher-training/
Full OSHA VR training library: https://humulo.com/training-library/
Enterprise deployment and demo: https://humulo.com/enterprise-vr-training/

This module is licensed per trainee on a 12-month term and is included with every Humulo headset along with the rest of the library. Contact Humulo for current enterprise pricing.

Specifications are current as of October 2026 and may change. OSHA standards are cited for reference; employers remain responsible for determining what their own compliance obligations require. Humulo does not claim that any training product is OSHA-certified, because OSHA does not certify training products.