



Date: May 6, 2026

Subject: Rely FX Fire Extinguisher Hydro Test Requirements

Fire extinguisher hydrostatic testing is the pressure testing of the extinguisher cylinder and hose assemblies to verify structural integrity. The maximum periodic cylinder hydrostatic retest intervals associated with hand portable fire extinguishers will vary depending upon the specific type of extinguishing agent and cylinder design utilized. Fire extinguishers utilize either *non-specification* or *specification* types of cylinders. The NFPA-10 Portable Fire Extinguisher Standard identifies the maximum periodic hydro test intervals and testing procedures within Chapter 8.

Non-Specification Cylinders – RELY FX™ Water and Foam Fire Extinguishers

Cylinders designed and tested to meet criteria set forth in standards from UL and ULC and will have that applicable test standard on the nameplate in the listing agency manifest area. All RELY FX water and foam fire extinguisher models utilize non-specification stainless steel cylinders meeting either the UL-626/ULC-S507 or UL-8/ULC-S554 standard requirements which dictate five-year maximum periodic retest intervals and the designated 300 psi test pressure reflected on their nameplates.

Specification Cylinders – RELY FX™ Dry Chemical Fire Extinguishers

Cylinders designed and tested to meet criteria set forth in standards from the Department of Transportation (DOT) and Transport Canada (TC) will have that specification identified and stamped into the cylinder. All RELY FX™ dry chemical fire extinguisher models utilize a **heavy-duty, non-shat, non-magnetic, high-pressure, DOT-3AL-1800 aluminum cylinder specifically recognized by UL as dry chemical extinguisher components under GAVH2.EX2790 having a ten-year periodic retest and requalification interval** that is permanently stamped into the cylinder by the manufacturer. While the RELY FX dry chemical extinguisher models utilize a much lower 240 psi operating pressure than the stamped high-pressure cylinder design reflects, they are still subject to being requalified and tested to the full 3000 psi hydrotest procedure. DOT and TC regulations additionally allow for specification cylinders to be tested using new technologies such as Ultrasonic Examinations (UE) testing methods instead of traditional hydrostatic testing.

It is important to point out the six-year internal fire extinguisher examination requirements associated with stored pressure dry chemical extinguisher models identified within NFPA-10 § 7.3.6 are only applicable to rechargeable extinguishers having twelve-year maximum cylinder hydrostatic retest intervals.

2026 edition of NFPA-10 paragraph: 7.3.6 Six-Year Internal Examination of Certain Types of Extinguishers.

Every 6 years, stored pressure fire extinguishers that require a 12-year hydrostatic test shall be emptied and subjected to the applicable internal and external examination procedures as detailed in the manufacture's service manual and this standard.

Because the rechargeable RELY FX dry chemical fire extinguisher models have an established ten-year maximum periodic cylinder retest/requalification interval, they like other types of fire extinguisher models are exempt from this six-year internal maintenance examination requirement. Per DOT/TC regulations, the designated ten-year maximum retest/requalification interval and *DRY CHEM* marking is permanently stamped into the cylinder top shoulder area by the cylinder manufacture prior to being tested, documented, approved, and painted.

Should you have any questions or need additional information, contact NFE customer service at 1-800-267-8508.