



## DECLARATION OF DESIGN AND PERFORMANCE

DDP No: H3RAV 003 Issue 1

Date: May 27, 2015

Inspection and Maintenance procedures are to comply with Maintenance & Recharge Service Manual no. 05604G Rev. 2/12 and NFPA 10.

### **DESCRIPTION**

Portable Fire Extinguisher filled with 1.134 kg of Halon 1211 (BCF) and associated transport bracket.

Extinguisher:	Part No: C352
Bracket:	Part No: 817S
Extinguisher/Bracket Assembly:	Part No: C352TS

The Extinguishers are filled with the appropriate amount of extinguishant, and are pressurized with Nitrogen.

The container is a drawn steel cylinder, with a minimum wall thickness of 0.028 inch (per UL 1093) and a minimum burst pressure of 600 psi/42 bar. Meets DOT Requirements per 49 CFR 173.309(a)

The bracket is made of mild steel.

The bracket will hold the extinguisher with the strap released in upright and lateral positions.

### **INSTALLATION DETAILS**

Extinguishers should be installed in positions where they are readily accessible. The C352TS can be mounted in any position, although the preferred positions are with the center line of the cylinder horizontal through to upright, with the valve at the top.

### **SPECIFICATION TO WHICH UNITS COMPLY**

ANSI/UL 711  
ANSI/UL 1093

### **APPROVALS**

ANSI/UL 711  
ANSI/UL 1093

### **VIBRATION**

The C352 extinguisher with 817S mounting bracket withstood the variable frequency and endurance tests specified in UL 1093 Part 34.



## **CORROSION**

All parts of the C352 extinguisher, including the finishes on coated or painted parts, the assemblies of moving parts, the nameplates as secured in place, and 817S bracket were subjected to a salt spray exposure for 240 hours as specified in UL 1093 Part 51.

## **DIMENSIONS AND WEIGHTS**

Extinguisher (Full weight):	2.21 kg ± 0.11 kg	4.875 lb ± 0.25 lb
Bracket	0.22 kg ± 0.01 kg	0.48 lb ± 0.02 lb
Overall Height	368.3 mm	14.5 inches
Maximum Width	114.3 mm	4.5 inches

## **LIMITATIONS OF USE**

Operating Temperature Range -54°C to 49°C

Survival Temperature Range -54°C to +79.4°C\*

\*See High-Temperature Exposure Test in 30.1 of UL1093 for 79.4°C figure substantiation.

Inspection and Maintenance See Owners' Manual and NFPA 10

Life Hydrostatic Test at 12 years from Date of Manufacture

## **GENERAL DATA**

Operating Pressure	125 psi at 70°F (21°C)
Test pressure	375 psi
Volume of the cylinder	71 cubic inches (1163.5cm <sup>3</sup> )
Discharge Time	10 seconds
Discharge Range	2.7 to 4.6 meters
Color	Red

I hereby certify that the information contained in this Declaration of Design and Performance is accurate.

A handwritten signature in black ink that reads 'Chris Dieter'. The signature is written in a cursive style and is positioned above a horizontal line.

Chris Dieter  
Senior Vice President  
H3R Aviation, Inc.