

COMPARISON: RT A400 VS. A344T

The RT A400 and A344T Halon fire extinguishers from H3R Aviation are both popular choices among general aviation consumers. This document compares and contrasts the features of each extinguisher to better inform those considering either model.

The table below offers a close look at each model's features, while the diagram on the reverse side of this document illustrates their dimensions. The diagram is useful in determining where to install either of these models in an aircraft, or in deciding whether available space will allow the replacement of one with the other.



RT A400

A344T

Note: If you are considering the A344T as a replacement to the RT A400, note that the diagram shows the one scenario that does not require the drilling of additional mounting holes in the aircraft. In this instance, compared to the RT A400 the mounted A344T would require an additional 13/16" of space above, 5/8" below, and 1/2" greater width room.

| Feature | Model RT A400 | Model A344T | Compared to the RT A400, the A344T: |
|-----------------------------------------|-------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| UL rating | 2B:C | 2B:C | Has the same UL rating. |
| Dimensions | 8 11/16" H, 3 3/4" W, 3 5/8" D | 10 1/8" H, 3 3/9" W, 3 5/8" D | Is 2 1/2" taller, 5/8" wider, 5/8" deeper. |
| Agent | Halon 1211-1301 | Halon 1211 | Contains only Halon 1211, which is easier to recycle than the blend. |
| Agent weight | 0.9 lbs. | 1.3 lbs. | Contains almost 0.5 lbs. pound more extinguishing agent. |
| Gross weight | 1.2 lbs. | 2.3 lbs. | Has a gross weight that is 1.1 lbs. heavier. |
| Rechargeable | No | Yes | Is rechargeable. |
| Non-aviation use | No | Yes | Can be used for non-aviation purposes. |
| Discharge time | 10-12 sec. | 10 sec. | Has the same discharge time. |
| Discharge range | 4-6 ft. | 9-12 ft. | Has a 3-4 ft. longer discharge range. |
| Chrome option | No | Yes | Has a chrome option (model A344TC). |
| Inspection and maintenance requirements | Monthly check for damage / obstruction. Weigh before each flight. | Check for damage / obstruction and check gauge monthly. Yearly professional service/more extensive service every 6 years. | Has easier inspection requirements, but maintenance (every 6 years) is more involved. |
| Maximum shelf life | 12 years | Indefinite | Has a longer shelf life because it is rechargeable. |
| Bracket | Less sturdy, 2 holes | Sturdy steel, 10 holes | Has a sturdier bracket, with greater mounting versatility. |
| Cylinder | Aluminum | Steel | Has a sturdier cylinder. |
| Disposal | Return to manufacturer | Fire service company/overhauler | Can be disposed of at any certified fire service company/overhauler. |



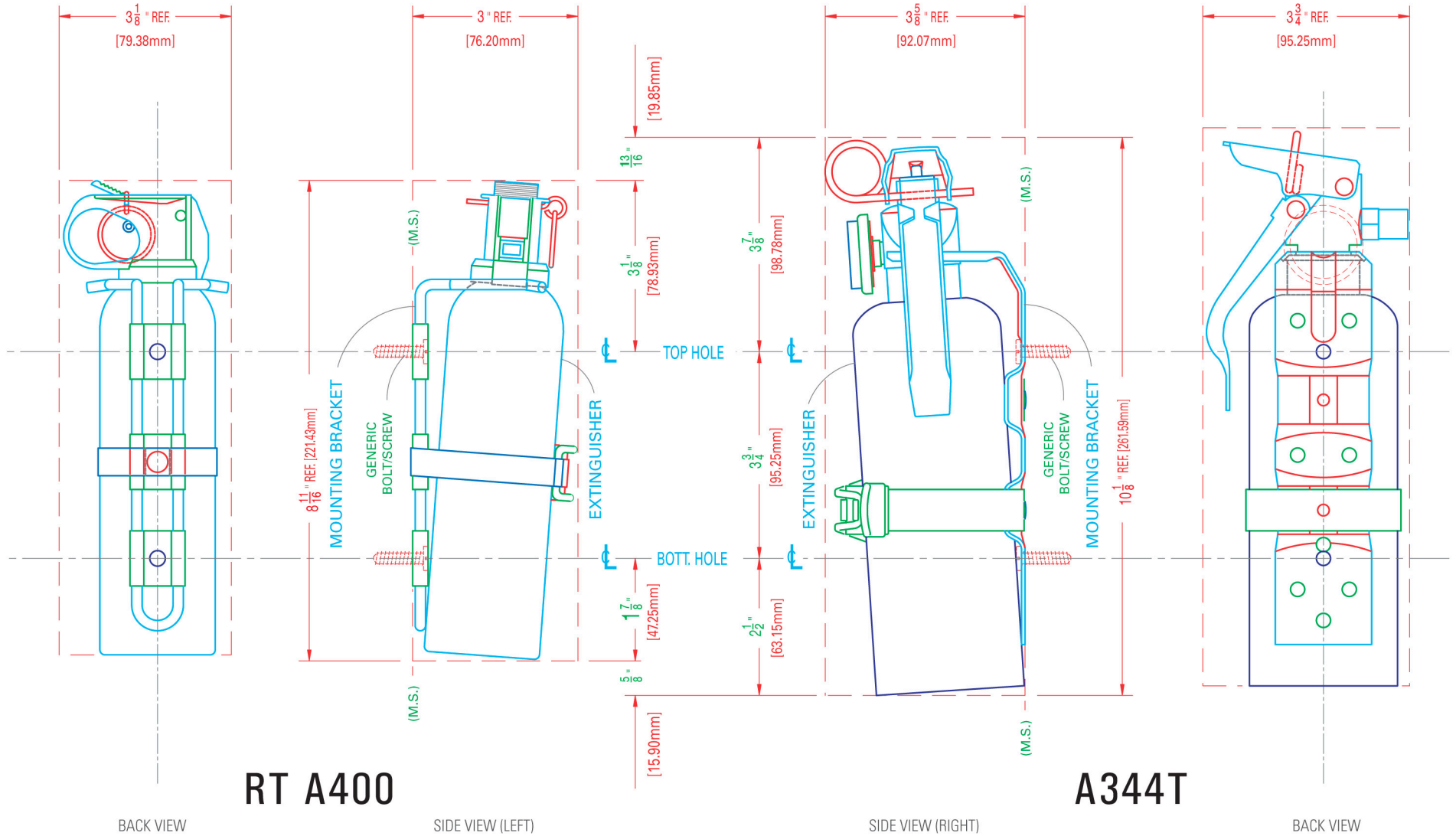
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DIAGRAM FOR USING THE EXISTING RT A400 BRACKET TOP HOLE TO MOUNT THE A344T BRACKET



(M.S.) = MOUNTING SURFACE