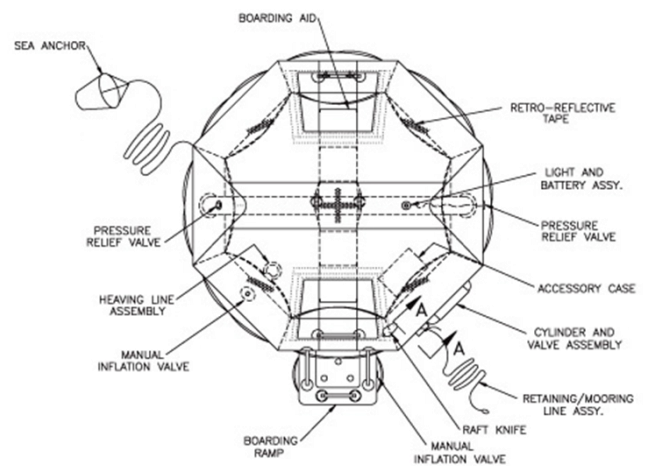




# LIFE SUPPORT INTERNATIONAL

aviation safety, survival & rescue equipment

## LIFE RAFT, T14AS, FAA TYPE I, 12-MAN Base Model: R1400-xxx *VIP Series*



### APPROVALS

USA: FAA TSO-C70a, Type I

Japan: JCAB No.665-2

### APPLICATION

- For Part 91, 121, 135 Operators (GA, Corporate, Helicopter, Air Taxi)
- Twin Tube Transport Series.
- Compact, lightweight. Constructed of neoprene coated nylon.
- High tech inflation system.
- Competitively priced.

Using EAM's proven aviation technology, these twin-tube life rafts provide superior performance in a smaller, lighter package. Buoyancy tubes are made from two-ply FAA approved, neoprene rubber coated fabric. These rafts feature boarding ramps for easy entry, self-erecting canopies, and insulated double floors for insulation. Composite inflation cylinders help keep the weight low. Pack in soft fabric valise.

## T14AS CHARACTERISTICS

|                             |                               |
|-----------------------------|-------------------------------|
| <b>RATED CAPACITY:</b>      | <b>14 PERSON</b>              |
| <b>OVERLOAD CAPACITY:</b>   | <b>21 PERSON</b>              |
| <b>TOTAL TUBE BUOYANCY:</b> | <b>2,513 lb. (1,139.9 kg)</b> |
| <b>TOTAL DECK AREA:</b>     | <b>50.4 ft<sup>2</sup></b>    |
| <b>INFLATION SYSTEMS:</b>   | <b>C/4500 psi</b>             |

## PACKS / DIMENSIONS

- DIMENSIONS AND WEIGHTS SHOWN ARE NOMINAL AND DO NOT ALLOW FOR PACK EXPANSION AND SWELLING.
- TOLERANCES OF ACTUAL PACK DIMENSIONS:
- FOR DIMENSIONS OF 5.5 INCHES AND LESS = -0.25/+1.0 INCHES
- FOR DIMENSIONS GREATER THAN 5.5 INCHES = +/- 0.5 INCHES
- FOR STOWAGE COMPARTMENT CLEARANCE, ALLOW ADDITIONAL 0.5 TO 1.5 INCHES IN EXCESS OF FINAL PACK DIMENSIONS.
- TOLERANCE OF ACTUAL PACK WEIGHT = +/- 3.0 LBS.
- ALLOW ADDITIONAL 2.0 TO 4.0 LBS. WEIGHT WHEN ELT INSTALLED

## CONFIGURATIONS

**Survival Kit Contents: All Rafts come equipped with a standard FAR Survival Kit .**

**Kits may be customized to meet regulatory requirements.**

**All Rafts can be customized with: Emergency Locator Transmitters. Watermakers and Specialized Survival Kits.**

**Custom Canopies Deliver a Multi-Beneficial System.**

**Raft Capacities to Meet Industry Standards.**

| <b>Model</b> | <b>Description / Kit / Canopy</b>   | <b>Dimensions &amp; Weight</b>               |
|--------------|---|--|
| R1400-101    | T14AS twin rube-type I - FAR 121-Ramp   | 32 +/- .5" x 17 +/- .5" x 9 +/- .5", 60lb    |
| R1400-103    | T14AS twin rube-type I - JAR 121-Ramp   | 32 +/- .5" x 17 +/- .5" x 9 +/- .5", 65lb    |
| R1400-105    | T14AS twin rube-type I - FAR 135 Kit-Ramp-Watermaker                          | 32 +/- .5" x 17 +/- .5" x 9.5 +/- .5" 73lb   |
| R1400-107    | T14AS twin rube-type I - JAR 135 Kit-Ramp-Watermaker                          | 32 +/- .5" x 17 +/- .5" x 9.5 +/- .5" 74lb   |
| R1400-109    | T14AS twin rube-type I - FAR 121 Kit-Ramp-Inflatable Flr                      | 32 +/- .5" x 17 +/- .5" x 9 +/- .5" 67lb     |
| R1400-111    | T14AS twin rube-type I - JAR 121 Kit-Ramp-Inflatable Flr                      | 32 +/- .5" x 17 +/- .5" x 9 +/- .5" 73lb     |
| R1400-113    | T14AS twin rube-type I - FAR 135 Kit-Ramp-IF-Watermake                        | 32 +/- .5" x 17 +/- .5" x 9.5 +/- .5" 81lb   |
| R1400-115    | T14AS twin rube-type I - JAR 135 Kit-Ramp-IF-Watermake                        | 32 +/- .5" x 17 +/- .5" x 9.5 +/- .5" 82lb   |
| R1400-117    | T14AS twin rube-type I - 121 / CARS / OPS 3 Std Flr-Watermaker                | 32 +/- .5" x 17 +/- .5" x 9.5 +/- .5" 66lb   |
| R1400-119    | T14AS twin rube-type I - 135 / JAR OPS 3Std Flr-Watermaker                    | 32 +/- .5" x 17 +/- .5" x 9.5 +/- .5" 74lb   |
| R1400-121    | T14AS twin rube-type I - JAR OPS 3 / CARS 121 Kit-Ramp-IF-Watermaker          | 32 +/- .5" x 17 +/- .5" x 9.5 +/- .5" 75lb   |
| R1400-123    | T14AS twin rube-type I - JAR OPS 3 / 135 Kit-Ramp-IF-Watermaker               | 32 +/- .5" x 17 +/- .5" x 9.5 +/- .5" 83lb   |
| R1400-125    | T14AS twin rube-type I - FAR 135 Kit-Ramp-Watermaker                          | 32 +/- .5" x 17 +/- .5" x 9.5 +/- .5" 75lb   |
| R1400-201    | T14AS twin rube-type I - Deluxe - FAR 121 Kit-Ramp-Inflatable Flr             | 32 +/- .5" x 17 +/- .5" x 9.5 +/- .5" 77lb   |
| R1400-203    | T14AS twin rube-type I - Deluxe - JAR 121 Kit-Ramp-Inflatable Flr-Watermaker  | 32 +/- .5" x 17 +/- .5" x 9.5 +/- .5" 83lb   |
| R1400-205    | T14AS twin rube-type I - Deluxe - FAR 135 Kit-Ramp-IF-Watermaker              | 32 +/- .5" x 17 +/- .5" x 9.5 +/- .5" 91lb   |
| R1400-207    | T14AS twin rube-type I - Deluxe - JAR 135 Kit-Ramp-IF-Watermaker              | 32 +/- .5" x 17 +/- .5" x 9.5 +/- .5" 92lb   |
| R1400-209    | T14AS twin rube-type I - Deluxe - JAR OPS 3 / CARS 135 Kit-Ramp-IF-Watermaker | 32 +/- .5" x 17 +/- .5" x 9.5 +/- .5" 83lb   |
| R1400-211    | T14AS twin rube-type I - Deluxe - JAR OPS 3 / 135 Kit-Ramp-IF-Watermaker      | 32 +/- .5" x 17 +/- .5" x 9.5 +/- .5" 92lb   |
| R1400-301    | T14AS twin rube-type I - FAR 121-Ramp-HC                                      | 32 +/- .5" x 17.5 +/- .5" x 9.5 +/- .5" 75lb |
| R1400-303    | T14AS twin rube-type I - JAR OPS1 / FAR 121-Ramp-HC                           | 32 +/- .5" x 17.5 +/- .5" x 9.5 +/- .5" 80lb |
| R1400-305    | T14AS twin rube-type I - FAR 135 Kit-Ramp-Watermaker-HC                       | 32 +/- .5" x 17.5 +/- .5" x 9.5 +/- .5" 88lb |
| R1400-307    | T14AS twin rube-type I - JAR OPS 1 / 135 Kit-Ramp-Watermaker-HC               | 32 +/- .5" x 17.5 +/- .5" x 9.5 +/- .5" 89lb |
| R1400-309    | T14AS twin rube-type I - FAR 121 Kit-Ramp-Inflatable Flr-HC                   | 32 +/- .5" x 17.5 +/- .5" x 9.5 +/- .5" 82lb |
| R1400-311    | T14AS twin rube-type I - JAR OPS1 / FAR 121-RAMP-IF-HC-Watermaker             | 32 +/- .5" x 17.5 +/- .5" x 9.5 +/- .5" 88lb |
| R1400-313    | T14AS twin rube-type I - FAR 135 Kit-Ramp-IF-Watermaker-HC                    | 32 +/- .5" x 17.5 +/- .5" x 9.5 +/- .5" 96lb |
| R1400-315    | T14AS twin rube-type I - JAR OPS 1 / 135 Kit-Ramp-IF-Watermaker-HC            | 32 +/- .5" x 17.5 +/- .5" x 9.5 +/- .5" 97lb |

## SPECIFICATIONS

|  |   |
|--|---|
| <b>Capacity</b>  | <b>Rated:</b> 14 Persons<br><b>Overload:</b> 21 Persons   |
| <b>Approval</b>  | USA: FAA TSO-C70a, Type I   |
| <b>Color</b>   | <b>Tube:</b> Yellow<br><b>Canopy:</b> Fluorescent red<br><b>Stabilizing bags:</b> Fluorescent red   |
| <b>Diameter Raft Tube</b>  | 11.25" (285.75mm)   |
| <b>Canopy Arch Tube Diameter</b>                                   | 6.0" (152 mm)   |
| <b>Inflated Volume: @ 1.50 psig</b>                                | <b>Tube 1:</b> 20.14 ft. <sup>3</sup> (0.570 m <sup>3</sup> )<br><b>Tube 2:</b> 20.14 ft. <sup>3</sup> (0.570 m <sup>3</sup> )<br><b>Canopy Arch Tube:</b> 2.35 ft. <sup>3</sup> (0.066 m <sup>3</sup> )<br><b>Boarding Ramp Tube:</b> 1.14 ft. <sup>3</sup> (0.032 m <sup>3</sup> )<br><b>Total:</b> 43.77 ft. <sup>3</sup> (1.24 m <sup>3</sup> ) |
| <b>Tube Volume Per Person: @ rated capacity</b>                    | 2.87 ft. <sup>3</sup> (0.812 m <sup>3</sup> )   |
| <b>Total Tube Buoyancy: excluding raft floor</b>                   | 2513 lbs. (1140.0 kg)   |
| <b>Buoyancy Per Person: @ rated capacity, excluding raft floor</b> | 179.5 lbs. (81.42 kg)   |
| <b>Total Deck Area</b>   | 50.4 ft. <sup>2</sup> (4.68 m <sup>2</sup> )  |
| <b>Deck Area Per Person: @ rated capacity</b>                      | 3.6 ft. <sup>2</sup> (0.334 m <sup>2</sup> )  |
| <b>Stabilizing Bags</b>  | <b>Volume:</b> 5 x 1.6 ft. <sup>3</sup> (5 x 0.045 m <sup>3</sup> )   |
| <b>Water Ballast Weight Provided</b>                               | 5 x 99.8 lbs. (5 x 45.27 kg)  |
| <b>Tube Operating Pressure</b>                                     | <b>Minimum:</b> 1.5 psig (0.103 bar)<br><b>Nominal:</b> 2.0 psig (0.138 bar)<br><b>Maximum:</b> 3.0 psig (0.207 bar)  |
| <b>Pressure Relief Valves</b>                                      | <b>Open:</b> 3.0 psig (0.207 bar)<br><b>Close:</b> 2.0 psig (0.138 bar)   |
| <b>Tube Burst Pressure</b>   | Over +10 psig (+0.69 bar)   |
| <b>Inflation System</b>  | <b>Cylinder Size:</b> 412 in. <sup>3</sup><br><b>Cylinder Type:</b> DOT SP 11194-4500, TC-SU 5303 310<br>Carbon and Glass Fiber Composite<br><b>Charge Pressure:</b> 4500 psig<br><b>Charge Weights:</b> N <sub>2</sub> : 4.57 to 4.70lbs. (2.07 to 2.12 kg)  |
| <b>Environmental Limits</b>  |   |
| <b>Temperature</b>   | Functional Range: -40 to 140 °F (-40 to 60 °C)<br>Storage Range: -65 to 160 °F (-54 to 71 °C)   |
| <b>Humidity</b>  | Up to 95% relative humidity   |
| <b>Altitude</b>  | -2000 to 45,100 ft. above sea level   |
| <b>Service Life</b>  | Indefinite if raft continues to pass periodic maintenance inspection per CMM 25-60-39   |
| <b>Frequency Of Inspection</b>                                     | Every 3 years, maximum.   |