

VR7000 Shipping Regulations

The VR7000 Voyage Data Recorder consists of 2 data recording units (DRU), the VR7020 and VR7021F. Both units are considered Dangerous Goods (DG) / Hazardous Materials (HM), as they both contain lithium metal batteries that exceed the 2 grams of lithium content permissible for Non-Dangerous Goods shipping. The VR7021F battery contains 9.8 grams of lithium and the VR7020 battery contains 2.5 grams lithium (Note: the new style VR7020 contains less than 1.0 gram of lithium and can be shipped as a Non-DG if package contains two or less VR7020 units). Furuno USA staff has received proper DG/HM training necessary to ship to your assigned delivery address via either air freight or ground freight, but subsequent DG shipping assistance is not provided by Furuno USA. Accordingly, it is highly recommended that our valued dealers consider their own DG/HM shipping and training needs, should they require further shipping arrangements for the VR7000, VR7020 and/or the VR7021F.

VR7021F (float free unit)

Battery Net Weight: 0.606 kg

Lithium Content: 9.8 g

UN No.: 3091

Proper Shipping Name: "Lithium metal batteries contained in equipment"

Hazard Class: 9



VR7020 (old-style fixed unit)

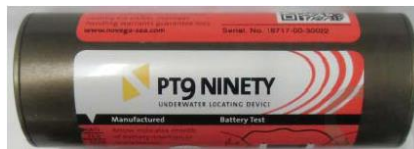
Battery Net Weight: 0.051 kg

Lithium Content: 2.5 g

UN No.: 3091

Proper Shipping Name: "Lithium metal batteries contained in equipment"

Hazard Class: 9



VR7020 (new-style fixed unit)

Not Restricted as Dangerous Goods



Strikethrough Class 9 icon and "Non-xxx" indication on new PT9 NINETY

Necessary DG/HM training may be obtained from a third party training company either online or in-person. Some specialty DG/HM handling and shipping companies exist, but they are not widespread.

Additional IATA (air) Dangerous Goods regulations can be found here:

<http://www.iata.org/whatwedo/cargo/dgr/Pages/index.aspx>

Additional DOT (ground) Hazardous Materials regulations can be found here:

<http://phmsa.dot.gov/regulations>

Please contact Jon Sasaki (jsasaki@furuno.com) for further details on these regulations.