

USCG Fuel Hose Ratings: the rating system exclusively used for marine hoses is known as SAE J1527

- **A1 Fuel Feed Hose: A1-15 Hose can be used for any applications and is the safest**
 - Applications: fuel feed hose
 - Designed to have fuel in the hose at all times
 - Permeation rating: 100 g/m²/24 hours
 - Fire resistance: tested for 2.5 minutes exposed to open flame
 - Lowest permeability making it appropriate for any application
 - Newest evolution is A1-15, which meets new higher EPA standards for ultra-low permeation
- **A2 Fuel Fill and Vent Hose:**
 - Applications: fuel vent hose
 - Not designed to have fuel in the hose at all times
 - Permeation rating: 300 g/m²/24 hours
 - Fire resistance: tested for 2.5 minutes exposed to open flame
- **B1 Fuel Feed Hose:**
 - Applications: diesel / gasoline fuel feed hose
 - Intended diesel engines or above deck outboard gasoline applications
 - Designed to have fuel in the hose at all times
 - Permeation rating: 100 g/m²/24 hours
 - Fire resistance: not tested for fire resistance
 - **Note: cannot be used for gasoline lines located in enclosed spaces**
- **B2 Fuel Vent Hose:**
 - Applications: diesel vent hose
 - Intended diesel engines or above deck outboard gasoline applications
 - Not designed to have fuel in the hose at all times
 - Permeation rating: 300 g/m²/24 hours
 - Fire resistance: not tested for fire resistance
 - **Note: cannot be used for gasoline lines located in enclosed spaces**