

1.3.10 Any dispenser hose assembly shall conform to the following limits.

<p style="text-align: center;">FAST FILL Maximum Length - 5 m (16.5 ft)</p>	<p style="text-align: center;">SLOW FILL Maximum Length - 9 m (30 ft)</p>
<p>For fast fill dispensers hoses shall be limited to a maximum length of 5 m (16.5 ft) regardless of whether or not the facility is public or private.</p>	<p>Hoses longer than 5 m (16.5 ft) shall only be used in slow fill mode, to a maximum of 9 m (30 ft), unless a variance is authorized by the appropriate regulatory agency.</p>

Note 1: Users shall refer to NFPA 52: 5-8.3 for the means of protection from mechanical damage.

Note 2: Length of hose means the conduit inclusive of end couplings

Rationale:

In locations being used for public filling of NGVs it is deemed the most likely potential mode of failure would be hose rupture, without due precautions in place. Since the public is unlikely to be aware of best practices for handling of hose then a reasonable due precaution is to limit the opportunities for hose damage (due to abrasion, run-overs, etc). The 5 metre (16.5 ft) limitation provides a reasonable precaution.

In locations being used for private filling of NGVs it is deemed the most likely risk arises from the sheer numbers of users, albeit they should be trained in accepted best practices. Accordingly where private filling requires hose longer than 5 metres (16.5 ft) then using the slow fill mode is a reasonable precaution along with suitable means of protection.

~~*In locations being used for private filling of NGVs it is deemed the most likely risk arises from the sheer numbers of users albeit they should be trained in best practices. A reasonable due precaution is to utilize slow fill as the best practice and allow a greater hose length for the variety of circumstances.*~~