

Zana Kamangar

From: Zana Kamangar
Sent: Thursday, October 12, 2023 3:26 PM
Subject: Know your prover size

1. Dispensers for motor fuel - Device Type 50

With a flow rate of less than 91 lpm (**This is the maximum flow rate approved on Notice of Approval, not the operating flow rate.**) The appropriate volumetric prover standard size is **20-litre measures/provers**. All provers or measures that are used to certify gasoline dispensers must employ recognized means to minimize product vaporization. This does not apply to diesel dispensers or factory tests of dispensers using solvents.

2. High-speed refuellers - Device type 51

With a flow rate greater than 90 lpm, used to deliver motor fuel (**This is the maximum flow rate approved on Notice of Approval, not the operating flow rate. The operating flow rate can be less than 90 lpm**) - The appropriate volumetric prover standard size is **250 litres. However, smaller provers (100 L)** may be used, but they must be a sufficient size to contain a quantity equal to or greater than **one minute's flow** at the maximum operating rate.

3. Large capacity PD and turbine meters (bulk meters) - Device Type 52

Bulk Rack or truck mounted, used to deliver petroleum products metering system - these meters can be tested with a suitably sized open neck prover or with a suitably sized pipe prover.

When using open-neck provers, they must be of a sufficient size:

- i. Provers used with meters **65 mm (2.5 inches)** in diameter or smaller must have a capacity between 225 litres and 900 litres. In our case, **250L or 500L provers**.

- ii. For meters which are **75 mm (3 inches)** in diameter or larger, the prover volume must be greater than or equal to 1350 litres. In our case, **1500L, 2500L and 3000L provers.**

Kind Regards/Cordialement,

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