

# CSA B149.2:25

This Informative Document provides helpful information and clarifications relevant to the code. Compliance is not mandatory.

## 7 Tank systems, filling plants, and refill centers

### 7.4 Excess-flow and back check valves

#### 7.4.1.1 Common practice

Subject to Clauses 7.4.2 to 7.4.4, and 7.5.2, each tank opening utilized for propane flow shall be equipped with an excess-flow valve sized for the application. Common practice is that the excess flow valve setpoint should be at least 50% larger than the maximum flow rate of the load to avoid nuisance trips.

#### 7.4.8.1 Line flow rate sizing

Any line utilized for propane flow shall have a flow capacity to atmosphere greater than the design flow rate of the excess-flow valve protecting the line. To approximate a line's propane flow capacity to atmosphere, the line shall have a vapour flow capacity based on CSA B149.1:25 Annex A, or a liquid flow capacity based on Appendix A of the TSASK CSA B149.1:25 Informative Document, of at least 75% of the rated capacity of the excess flow valve protecting the line.

### 7.19.4 Protection against vehicular traffic

#### 7.19.4.4.1 Acceptable barriers

Acceptable barriers for permanent installation, other than those specified in CSA B149.2:25 Clauses 7.19.4.1 and 7.19.4.2, include precast concrete blocks not less than 20 in (500 mm) in height, not less than 40 in (1000 mm) in length, and weighing not less than 900 lb (410 kg) each, spaced at a maximum 54 in (1350 mm) between blocks.