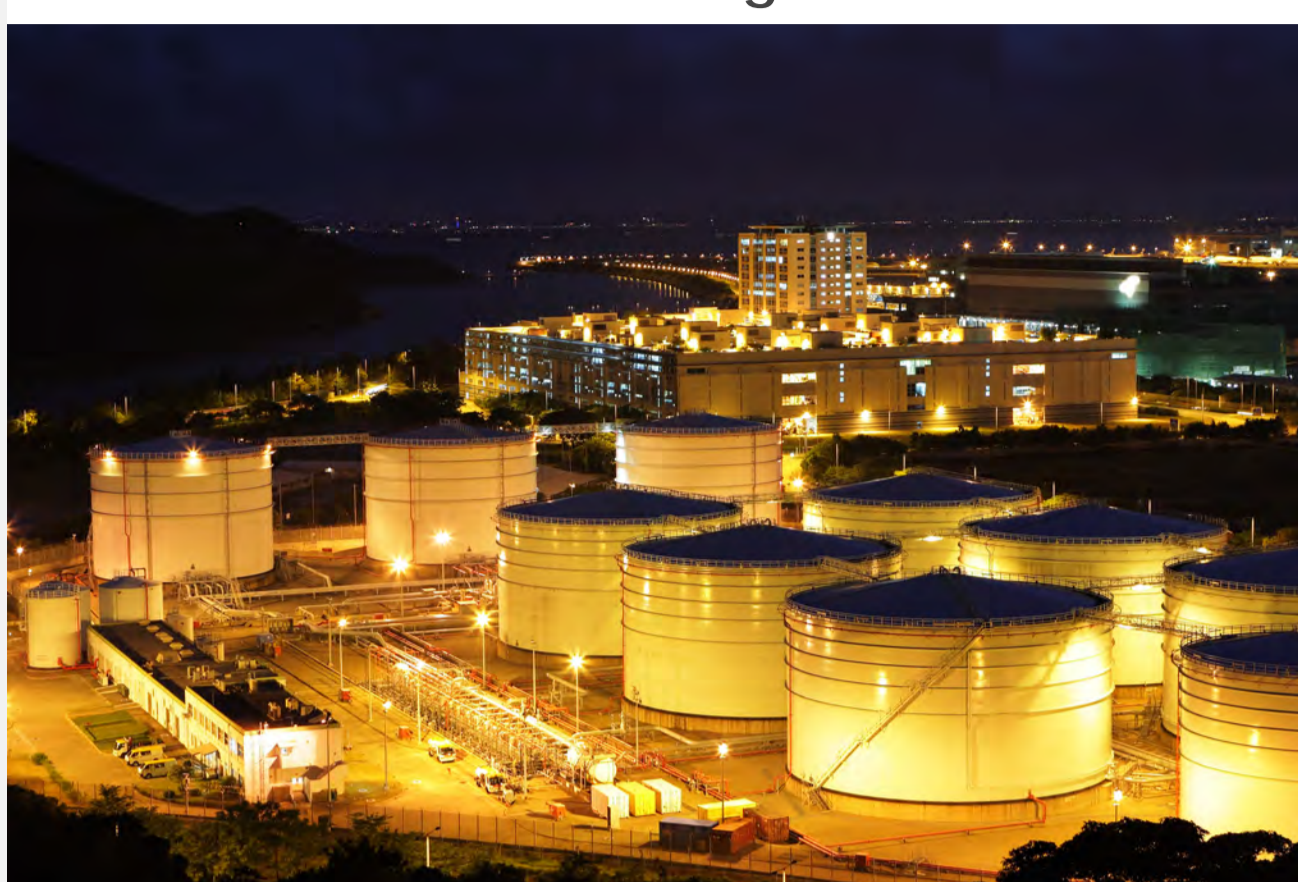




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Protection for API 650 Storage Tanks



This blog written by Karen Rogers, Account Manager with Cross Company's Flow and Safety Technologies, reviews storage tank optimization and how to properly set up a typical API 650 storage tank.

This demonstration will include an ERV (Emergency Relief Valve), a PVRV (Pressure and Vacuum Relief Valve) and a BGR (Blanket Gas Regulator). I will show you how you can set them up so that one does not interfere with the next. It is an important subject that many of you may struggle with. For the tank experts, it will be a great refresher.

What I am going to cover is an ideal tank scenario where we will allow ourselves to have 100% over pressure availability. I understand that this is not always going to be the case. However, this is merely a basic overview to help you get a better idea on how to do this.

API 650 Tank Application

For these types of applications, there are typically two types of tanks seen the most in the field. They are the API 620 and the API 650 tanks. For this discussion, I will be utilizing an API 650 tank. These tanks are normally rated at about 2.5 psig or less. The MAWV (The maximum allowable working vacuum) is normally something less than 2.5 inwc.

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