	VT-0005R110	000	11/17	BBK
	Relief Valve Identification for R110 Tanks			

Purpose

This document will provide key information to help identify the correct model, design and part number of the primary and secondary relief valves and system parts for R110 tanks. The parts identified are only those provided on a new Chart LNG vehicle tank that was originally designed under R110 certification.

Overview

Many different companies manufacture relief valves, and many varying models and sizes exist. Chart LNG vehicle fuel tanks utilize two main relief devices. A primary relief valve and its pipe away components, and a secondary relief valve and its protective cap. Tanks covered by this bulletin are certified and tested to meet the standards outlined under R110 regulations. Therefore it is imperative that the relief valves and parts used in the original manufacture of, and aftermarket repairs/service, are of the original specification and meet the R110 specifications for the tank. Use the following steps to help identify if the correct relief valves are present on the tank.

Identification

The primary relief valve used on R110 tanks appears to be the same relief valve as is used on many other cryogenic tanks, however the specifications are unique to the tank and cannot be altered, substituted or eliminated.

Part Numbers


Primary Relief Valve 16BAR Chart Part Number 20537940
Secondary Relief Valve 24BAR Chart Part Number 13907496

Both parts should be purchased through Chart Parts

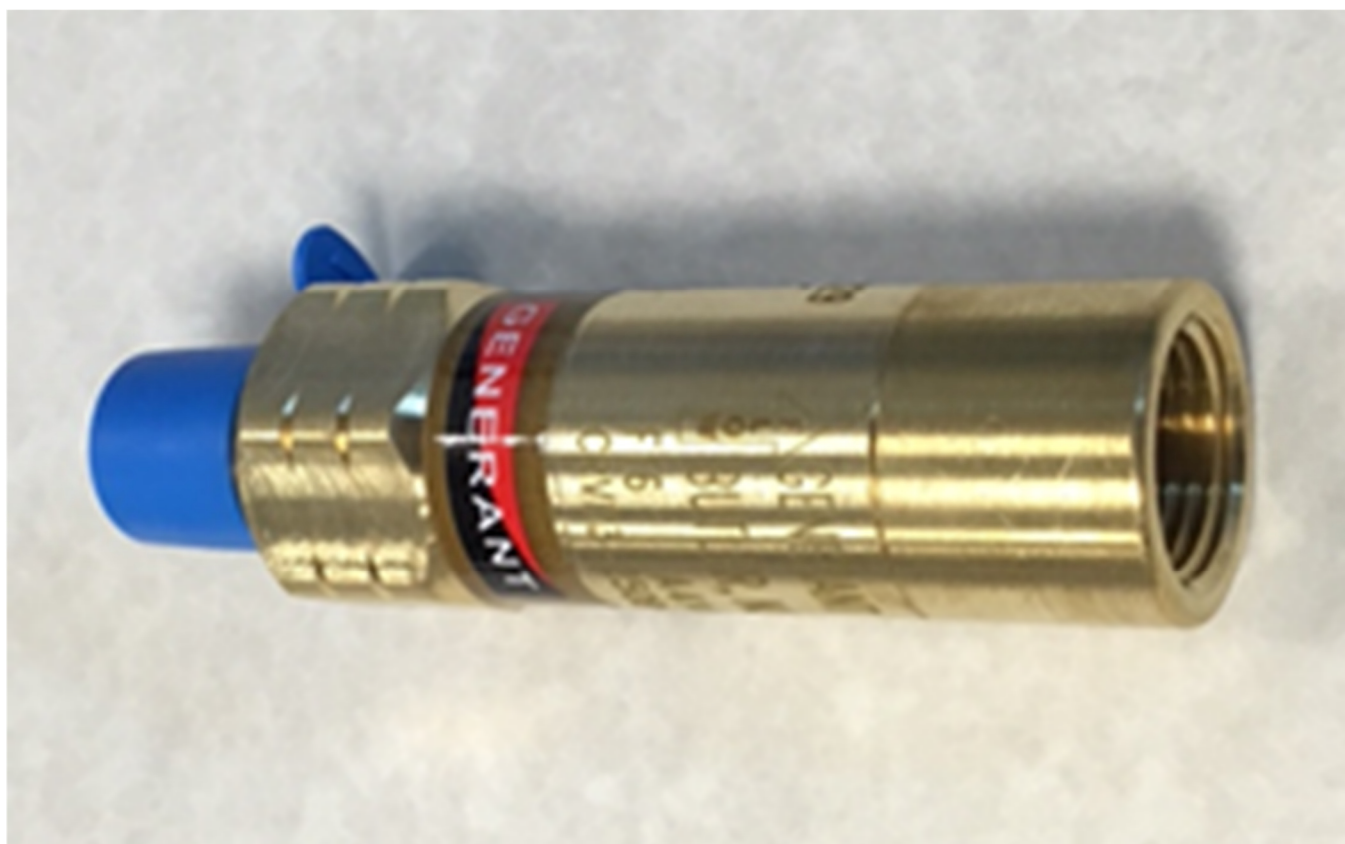
<http://www.chartparts.com/>

Examples of each relief valve are shown on the following pages.


This procedure is intended for use by trained technicians with experience on systems using LNG. Review all applicable safety documents before beginning this procedure.

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Primary relief valve 16 BAR Chart Part number 20537940
 Has hash marks on wrench flats. Also has pipe away adapter to accept pipe away elbow and tubing.



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Secondary relief valve 24 BAR Chart part number 13907496

Has hash marks in wrench flats. Does not have a pipe away adapter. Also has insert in the end to cover the threads, so it cannot be piped away.



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