



# Girard Duplex GPack

20" Manlid  
GP19845



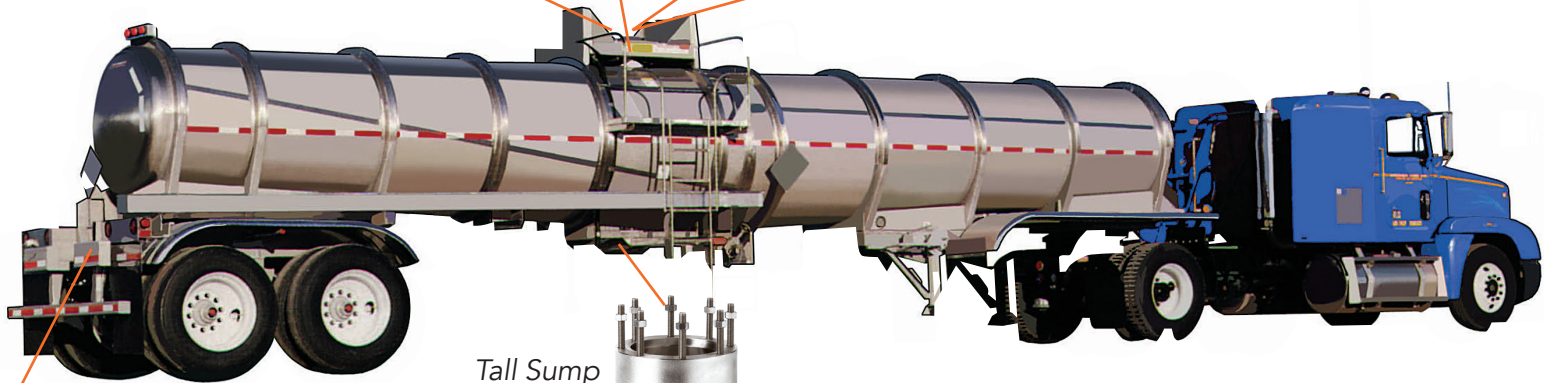
DOT 407 25PSI  
GA00110



MVB 3x407MVBTT  
GC63000



GVRA B2  
GU00002



Tall Sump  
GP40175



Short Sump  
GP40112



"Quick Clean-Style" Valve  
with Steam Jacket  
GQ85008



ChemOvation "Internal-Style" Valve  
GQ87008



ChemOvation "External-Style" Valve  
with Steam Jacket  
GQ86008



HydraFlo Valve  
with Steam Jacket  
GH50005



# THE BENEFITS OF DUPLEX STAINLESS STEEL

Girard Equipment introduces our new line of products made from 2205 Duplex Stainless Steel. Duplex Stainless Steel has been developed over the last 60 years, the cast designation is CD3MN. 2205 is stronger than standard grade 316L and offers much better corrosion resistance. This is due to added levels of Nickel, Chromium, Molybdenum and Nitrogen. The Pitting Resistance Number (PREN) is substantially higher on 2205 versus 316L.

Combining many of the beneficial properties of both ferritic and austenitic steels, 2205 is one of the more widely used duplex stainless steel grades. Its high chromium and molybdenum content gives the stainless steel excellent corrosion resistance. The microstructure provides resistance to stress corrosion cracking and ensures high strength.

## CORROSION RESISTANCE:

- Due to its high chromium, molybdenum, and nitrogen content, Duplex 2205 demonstrates superior corrosion resistant properties to 316 and 316L in most environments
- Chromium, molybdenum, and nitrogen content also provide high resistance to pitting and crevice corrosion, even in oxidizing and acidic solutions
- Resistant to chloride stress corrosion cracking and temperatures of up to about 302°F (150°C)
- The presence of ferrite provides for good performance of Duplex 2205 in caustic environments

## APPLICATIONS:

- Cargo tanks for ships and trucks
- Chemical processing, transport and storage – pressure vessels, tanks, piping, and heat exchangers
- Oil and gas exploration and processing equipment – piping, tubing, and heat exchangers
- Marine and other high chloride environments
- Pulp and paper industry – digesters, bleaching equipment, and stock-handling systems
- Food processing equipment
- Biofuels plants



**Contact the Girard sales team for more information.**

(800) 526-4330 ■ [www.GirardEquip.com](http://www.GirardEquip.com)

Proudly made in the USA

