



General Purpose Tank Car Kit

PRESSURE RELIEF VALVE

- Unique constant-force spring technology
- Low profile external design
- Valve components protected from commodity
- Field repair or replacement
- High flow capacity



PRV Specifications

Flange: 6" or 10" diameter

Flange thickness: 1.125"

Interface: flat, tongue & groove
or raised

Material: carbon or stainless

PSI: 75 or 165

AAR approval: 079004

ONE-BOLT MANWAY

- Eliminates eye-bolt leaks and NARs
- Low profile design
- Gasket replacement is significantly reduced
- 5 minute open/close adds loading efficiency
- Worker safety features



Manway Specifications

Nozzle length: 5 3/8" to 15"

Material: carbon or stainless

Closure: one-bolt

Loading: universal adapter

AAR approval: E119023



VACUUM RELIEF VALVE

- Unique constant-force spring technology
- Flat gasket seal eliminates O-rings
- Seal welded stem increases longevity
- Valve components protected from commodity
- Optional baffle
- Stainless steel body

VRV Specifications

PSI: 4.5, 3.0 or 1.5

Height: 5.33"

Flange thickness: 0.625"

Connection: 2" flanged

AAR approval: E152103



BOTTOM OUTLET VALVE

- Unique ceramic ball/wiper technology
- Withstands extreme temperatures & corrosion
- Easy-turn handle is AAR approved
- Stainless steel or carbon body

BOV Specifications

Max PSI: 275

Temperature: 400° to -40°

Height: 5.41"

Flange thickness: 0.94"

Port: 4" (full)

AAR approval: E162100

