

# Railcar Loading/Unloading

## Data Sheet

Name \_\_\_\_\_  
 Company \_\_\_\_\_  
 Address \_\_\_\_\_  
 City \_\_\_\_\_ State \_\_\_\_\_ Zip Code \_\_\_\_\_  
 Phone: \_\_\_\_\_ Fax: \_\_\_\_\_  
 email: \_\_\_\_\_

1. Loading [ ] Unloading [ ]
2. Pipe Size: \_\_\_\_\_
3. Product(s) to be handled: \_\_\_\_\_
4. Flow Rate: \_\_\_\_\_ GPM \_\_\_\_\_
5. Is static a concern? [ ] Yes [ ] No
6. Pressure: Positive \_\_\_\_\_ Negative \_\_\_\_\_
7. Product Temperature: \_\_\_\_\_
8. [ ] Dry Line [ ] Wet Line
9. Is vapor and/or purge line required? [ ] Yes [ ] No
10. Loading/Unloading Method: [ ] Tight Fill [ ] Splash Fill [ ] Suction  
 other \_\_\_\_\_  
 If tight fill, type connection required [ ] Flanged [ ] Union [ ] Vapor Cone  
 [ ] Coupler/Adapter [ ] other \_\_\_\_\_
11. Will a valve be required? [ ] Yes [ ] No  
 If yes, please describe: \_\_\_\_\_  
 \_\_\_\_\_
12. Will arm service both sides of platform? [ ] Yes [ ] No

**Please use the sketch at right to complete the following:**

Connections to be made at the following points (indicate from sketch 1-5): If more than one connection is required:

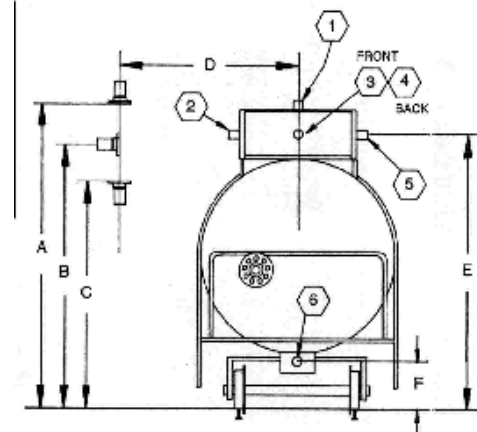
- Distance between connections \_\_\_\_\_  
 Connector Sequence \_\_\_\_\_  
 (A) Riser (drop feed) High \_\_\_\_\_  
 (B) Riser (Horizontal) \_\_\_\_\_  
 (C) Riser (Up-Feed) \_\_\_\_\_  
 (D) Center (Riser to Tank Car) \_\_\_\_\_  
 (E) Connection Height (Top) \_\_\_\_\_  
 (F) Connection Height (Bottom) \_\_\_\_\_

**Customer Preferences (If Applicable)**

Type of Arm (Emco Wheaton Model Number) \_\_\_\_\_  
 Desired metals and seals \_\_\_\_\_

**Petro Chem Technologies, Inc.**

40 Stirling Road  
 Suite 208  
 Watchung, NJ 07069  
 Phone: 908-822-8735  
 Fax: 908-822-8736



**Additional Considerations:**

Distance between Risers \_\_\_\_\_  
 (K) Safety Rail to Riser Center \_\_\_\_\_  
 Risers are [ ] Flanged [ ] Threaded  
 Distance between Ground and Track: \_\_\_\_\_  
 Distance of Closest Obstructions \_\_\_\_\_  
 Safety Rail \_\_\_\_\_ Piping \_\_\_\_\_  
 Canopy \_\_\_\_\_ Support Beam \_\_\_\_\_  
 other \_\_\_\_\_  
 Is a Valve Required? [ ] Yes [ ] No  
 If yes, describe type and location: \_\_\_\_\_  
 \_\_\_\_\_

**Actuation Swivel Joint Style:**

- [ ] Split Flange w/spring energized seals
- [ ] Standard joint w/V-ring seals
- [ ] Aluminum Joint (O-ring seals only)
- [ ] Steam Jacketed Joint [ ] Split Flange - PTFE Lined
- [ ] Split Flange Joint with Leak Detection and Purging Capabilities

**Options for Open Dome Loading:**

- [ ] Automatic Shut-off
- [ ] Pneumatic/Hydraulic Actuation
- [ ] Telescopic Drop Pipe

