

# Industrial Gas Transportation

**CP** Industries designs and manufactures a full line of high quality trailers and modules for the transportation of compressed and liquefied gases. The seamless steel pressure vessels provide an efficient and economical means of containing and transporting gases under a wide range of service conditions. Vessels are produced in compliance with US Department of Transportation (DOT) specifications, ISO 11120 with UN/USA and or TPED certification and Canadian requirements.

Trailer designs comply with local bridge laws and are optimized to provide maximum payload. The durable construction of the (MEGC) modules permit stacking, loading on a container chassis and cost effective ocean shipping for international markets. All of the module frames are manufactured to comply with IMDG, US DOT and UN rules and regulations. Look to CP Industries for cost effective and reliable solutions to transport industrial gases.



- Trailers are designed to comply with US DOT and Canadian regulations
- Certifications include TPED, KGSC, China SELO and Canadian approvals
- Vessels produced to DOT and ISO 11120/UN specifications
- Tube requalification interval: ISO - 10 years (5 depending on gas service), DOT - 5 years
- Custom designs to meet your specifications and payloads
- Available to both domestic and international markets
- Special cleaning services are available



*A worldwide supplier of superior products and exceptional customer service, since 1897*



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## NITROGEN TRAILER INFORMATION

@ 70 degrees Fahrenheit ambient

| Tube Dimension<br>o.d. x length | Service<br>Pressure<br>(psi/bar) | Tube<br>Weight<br>(lbs) ea. | Tube<br>Volume<br>(ft <sup>3</sup> ) | Number<br>Of Tubes<br>In Trailer | Gas Volume<br>Per Tube<br>(SCF) | Total Volume<br>Per Trailer<br>(SCF) | Total Weight<br>of trailer<br>(lbs) |
|---------------------------------|----------------------------------|-----------------------------|--------------------------------------|----------------------------------|---------------------------------|--------------------------------------|-------------------------------------|
| 22" x 40'-0"                    | 2160/149                         | 4100                        | 94.1                                 | 10                               | 13640                           | 136,400                              | 60,870                              |
| 22" x 37'-6"                    | 2160/149                         | 3850                        | 88.1                                 | 11                               | 12770                           | 140,470                              | 62,510                              |
| 22" x 40'-0"                    | 2668/184                         | 4550                        | 93.2                                 | 8                                | 16330                           | 130,640                              | 55,850                              |
| 22" x 38'-0"                    | 2668/184                         | 4230                        | 88.4                                 | 9                                | 15490                           | 139,410                              | 58,150                              |
| 22" x 40'-0"                    | 3167/218                         | 5350                        | 91.6                                 | 7                                | 18580                           | 130,060                              | 56,870                              |
| 22" x 38'-0"                    | 3167/218                         | 5100                        | 86.9                                 | 8                                | 17630                           | 141,040                              | 61,010                              |

## HELIUM TRAILER INFORMATION

@ 70 degrees Fahrenheit ambient

| Tube Dimension<br>o.d. x length | Service<br>Pressure<br>(psi/bar) | Tube<br>Weight<br>(lbs) ea. | Tube<br>Volume<br>(ft <sup>3</sup> ) | Number<br>Of Tubes<br>In Trailer | Gas Volume<br>Per Tube<br>(SCF) | Total Volume<br>Per Trailer<br>(SCF) | Total Weight<br>of trailer<br>(lbs) |
|---------------------------------|----------------------------------|-----------------------------|--------------------------------------|----------------------------------|---------------------------------|--------------------------------------|-------------------------------------|
| 22" x 40'-0"                    | 2160/149                         | 4100                        | 94.1                                 | 12                               | 12970                           | 155,640                              | 60,800                              |
| 22" x 40'-0"                    | 2668/184                         | 4550                        | 93.2                                 | 11                               | 15600                           | 171,600                              | 61,820                              |
| 22" x 38'-0"                    | 2668/184                         | 4230                        | 88.4                                 | 12                               | 14790                           | 177,480                              | 62,590                              |
| 22" x 40'-0"                    | 3167/218                         | 5350                        | 91.6                                 | 9                                | 17980                           | 161,820                              | 59,810                              |
| 22" x 38'-0"                    | 3167/218                         | 5100                        | 86.9                                 | 10                               | 17060                           | 170,600                              | 62,750                              |

## HYDROGEN TRAILER INFORMATION

@ 70 degrees Fahrenheit ambient

| Tube Dimension<br>o.d. x length | Service<br>Pressure<br>(psi/bar) | Tube<br>Weight<br>(lbs) ea. | Tube<br>Volume<br>(ft <sup>3</sup> ) | Number<br>Of Tubes<br>In Trailer | Gas Volume<br>Per Tube<br>(SCF) | Total Volume<br>Per Trailer<br>(SCF) | Total Weight<br>Filled Tubes<br>(lbs) |
|---------------------------------|----------------------------------|-----------------------------|--------------------------------------|----------------------------------|---------------------------------|--------------------------------------|---------------------------------------|
| 22" x 40'-0"                    | 2538/175                         | 5350                        | 91.6                                 | 9                                | 14350                           | 129,150                              | 58,830                                |
| 22" x 38'-6"                    | 2538/175                         | 5165                        | 88.1                                 | 10                               | 13800                           | 138,000                              | 62,380                                |
| 22" x 37'-6"                    | 2750/190                         | 5440                        | 84.9                                 | 9                                | 14280                           | 128,520                              | 59,630                                |
| 22" x 40'-0"                    | 2750/190                         | 5800                        | 90.8                                 | 9                                | 15270                           | 137,430                              | 62,920                                |
| 22" x 36'-0"                    | 3300/228                         | 6225                        | 79.5                                 | 8                                | 15690                           | 125,520                              | 60,460                                |
| 22" x 38'-0"                    | 3300/228                         | 6575                        | 84.1                                 | 8                                | 16600                           | 132,800                              | 63,300                                |

**\* Charts depict common configurations**

**Custom packages for specific service pressures and payloads are available.**

### Key Features:

- Newly manufactured tubes
- Proven reliability and unmatched durability, with no limited service life
- Material can be ordered for customized designs



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