



TON CONTAINERS

We offer ISGEC Ton Containers. ISGEC has been supplying Ton Containers for chlorine and other liquefiable gases for over 40 years.

Several Models are offered:

- **Model A**— Heads/Dished ends convex to pressure
- **Model B**— Heads/Dished ends concave to pressure
- **Model D**— Designed so that the head reverses in case of accidental over-pressurization providing immediate safety.

The ISGEC Model D Container:

- Received 2 patents from the US Patent & Trademarks office in both 2000 lbs (907 kg) & 2205 lbs (1000 kg) Chlorine capacities. These patents are for the design & technique for manufacture of Ton Containers transporting hazardous gases.
- Approved by the Department of Transportation (DOT), USA.
- Are compatible for use of Emergency Kit -B of Chlorine Institute, USA and optional for other models.

ISGEC containers conform to:

- The British Standards
- ASME Code
- TRG Regulations & Australian Specifications
- 49 Code of Federal Regulations, USA.

The ISGEC Ton Containers design safety & reliability is backed by:

- Use of Finite Element method to do extensive stress analysis. This has established that the inverted head will reverse when over-pressurized due to overfilling or caused by a fire. This gives a visual indication time for corrective action.
- Destructive testing on prototype models.
- Fusion welding process for all joints verified by 100% X-ray of all main joints.
- Inspection at 15 stages of

manufacture (17 for Model D).

- Higher strength and better resistance material used.

The steel used is inspected by **Lloyd's Register** of shipping. The container comes with a Lloyd's Register test certificate.

Gases handled:

- Ammonia
- Chlorine
- Dimethylamine
- Ethyl Chloride
- Ethylene Oxide
- Freon
- Hydrogen Fluoride
- Methyl Bromide
- Methyl Chloride
- Monomethylamine
- Sulphur Dioxide
- Trimethylamine
- Vinyl Chloride

