

CNG COMPOSITE CYLINDERS

Cylinder Categories

CNG Type I	Complete metal cylinder made of carbon or light steel.
CNG Type II	Steel or aluminium metal covered and filament top wrapped as a composite.
CNG Type III	Aluminium or metal covered and filament top wrapped completely.
CNG Type IV	Plastic (completely composite) covered and top wrapped completely.

CNG COMPOSITE CYLINDERS (TYPE IV)

Features of CNG Tanks;

- One piece inside shell, seamless and solderless production.
- Gasproof inside shell, produced by special PE.
- Special design at whistle connection.
- Corrosion-proof.
- Resistant to high pressure.
- %70 lighter than metal cylinders.

- Advantage at transporting and vehicle because of light-weight.
- Metal fatigue doesn't occur.
- 20 years service life.
- Applicable to every kind of vehicles. Bus, Truck, automobile, forklift, boat, ship, etc.
- Appropriate production for certifications.

Periodic calibration of loaded CNG cylinders should be done. During loading of natural gas, pressure should reach 216 bar. Safety above international standards is provided. Cylinders are calibrated according to the pressure above 300 bar and designed to resist to 450 bar. Test period of cylinders should be 5 years. Tested cylinders are labeled. Retested and relabeled cylinders can be used for 5 years more.

CNG cylinders are more resistant to serious collisions and heat than LPG cylinders and benzene storage.