

CNG System

CNG is compressed natural gas. Natural gas coming from natural gas pipeline at pressure min 2, max 20 bar and using at houses and industry, is increased to 200 bar pressure by CNG compressor.

Why should we use CNG?

CNG is a type of gas that fires at 650oC and doesn't have risk to explode. It is an environment friendly gas because the ratio of CO is %0

The unique gas that covers European Emission standart Euro 5 without processing

Difference from other fuels

CNG is %60-%70 more economic than benzine, %30 more economic than LPG.

Our country have an important location in terms of tranferring natural gas. That's why, in near future, natural gas using at almost every sectors, will provide significant savings at transportation and industry.

How is it used?

CNG is used at the time of vechile manufacturing by mounting special equipment. Modifications at vehicles register according to standarts of vechile mounting directive. Vechiles that use two kinds of fuel can make fuel choice every time. Problems occuring with diesel, benzine and LPG at cold wheathers, don't occur at CNG.

CNG conversin kits are used safetly in Argentina, Italy, USA, France, Russia, England, India, Pakistan, China, New Zelland and many other countries.

CNG COMPOSITE CYLINDERS (TYPE IV)

- Seamless polymer, welding free
- Internal shell is made of special gas tight PE.
- Special desing boss
- Corrosion free PE liner
- High pressure resistant carbon fiber wrapped outer liner.
- %70 lighter than Type I,II and III.

- Light weight reduces transport and work costs
- Fatigue resistant non metallic liner
- 20 years service life
- Application on wide range vehicles; cars, buses, trucks, forklifts, boats, ships, locomotives, etc
- Tailor-made productions to meet customers' need.
- Production comply with certifications

Work pressure	207 bar
Test pressure	300 bar
Explosion pressure	470 bar

Completely carbon fiber wrapped special plastic inside of cylinder.

Natural gas is economic and high energetic. Using as an alternative power at internal-combustion engines. Reducing air pollution at minimum.

Features of Product

Advantages

Light weighted

Wide range of usage

Suitable on buses, trucks and lorries.

Producible at large volumes

Efficiency at energy and usage.

Profit is increased by getting more people on vehicle

Robustness

High-pressure resistant because of completely carbon fiber wrapped

Corrosionproof plastic inside ~~Special~~ plastic inside shell provides long usage life.

No corrosion during reloading and unloading provides many years usage. No performance degradation.

Resistant to gas leakage.

Flexible plastic inside shell is resistant to cracking and exploding.

High technology carbon fiber ~~material~~ material resistant to heat and aging.

Leakproof under any circumstances.

Economic and Easy usage Used vehicles can be converted easily and cheaply.

Processing suitable for customer ~~processing~~ processing according to customers' needs.

Processing high technologic and with best raw material.

MODEL

DIAMETER

LENGTH

W

Type 4-28

Type 4-80

Type 4-125

Type 4-304

350 mm

235 mm

350 mm	
405 mm	735 mm
1065 mm	
1610 mm	
3250 mm	11 kg
28 kg	
37 kg	
101 kg	28 lt
80 lt	
125 lt	
304 lt.	