

# MICRO CNG STATIONS

flow rate	<b>5 to 40 Nm<sup>3</sup>/h</b>
storage capacity	<b>280 to 1680 l</b>

## APPLICATIONS

- Filling of CNG to passenger cars, vans, forklifts...

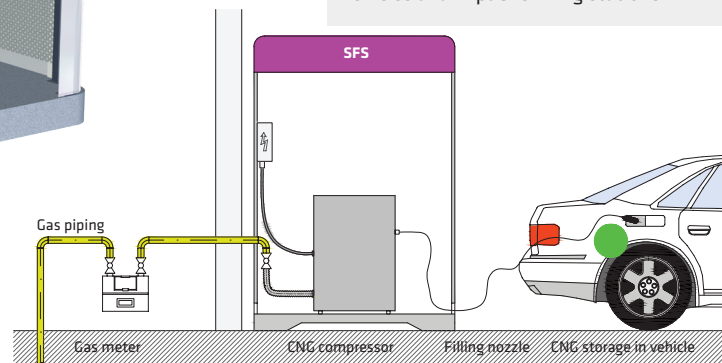
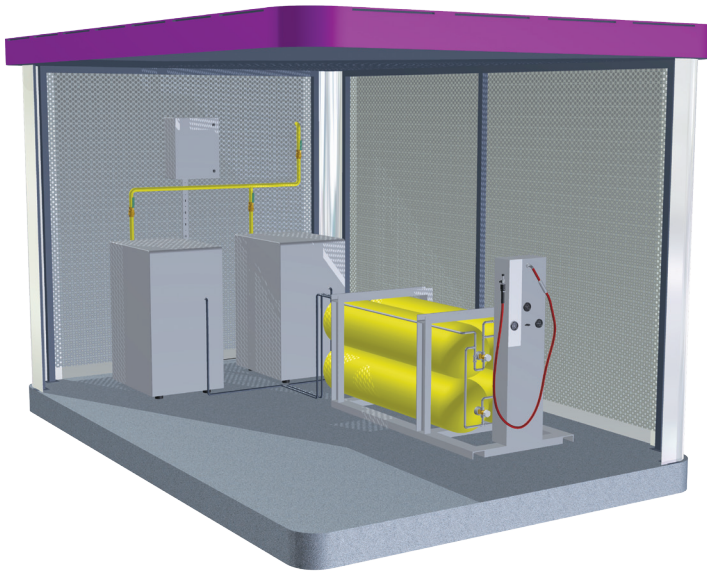
## DESCRIPTION

CNG (compressed natural gas) filling stations are used for filling of CNG powered vehicles. In CNG filling station compressor compresses the natural gas from pressure of 0,02-0,2 bar (domestic gas supply system) to 200-250 bar which is used to fill a storage tank in vehicle.

There are two different technologies used in CNG filling stations.

Slow filling station use compressor to compress the natural gas directly into the car CNG tank. This technology is used in small fleet of vehicles that are not used constantly.

In fast filling station the compressor compresses the natural gas to pressure storage tank. Compressing of natural gas to storage tank is made before filling of the car therefore storage tank is constantly full and available for filling. This technology is used in a larger fleet of vehicles and in public filling stations.

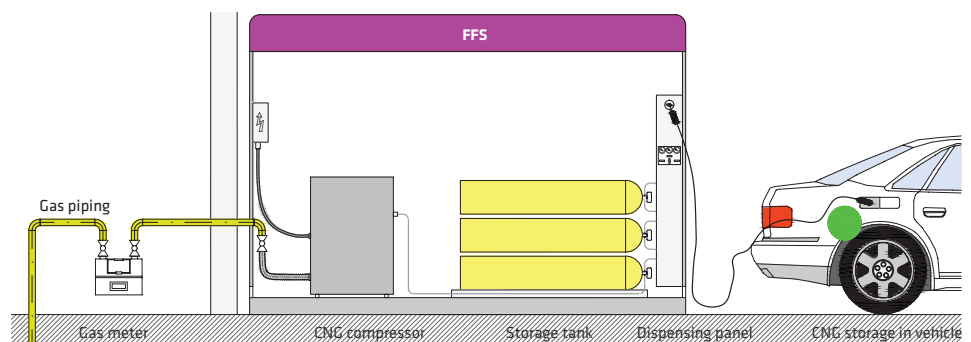


## SFS SLOW FILLING STATION

### TECHNICAL DATA

Type	Flow rate	Electric power	Inlet pressure	Maximum output pressure	Storage capacity
SFS 05	5 Nm <sup>3</sup> /h	2,2 kW/400V/230V	20 - 200 mbar	235 bar	without
SFS 10	10 Nm <sup>3</sup> /h	4,0 kW/400V/230V	17 - 200 mbar	250 bar	without
SFS20	20 Nm <sup>3</sup> /h	9,0 kW/400V/230V	17 - 300 mbar	250 bar	without

## FFS FAST FILLING STATION



### TECHNICAL DATA

Type	Flow rate	Electric power	Inlet pressure	Maximum output pressure	Storage capacity
FFS 1C05 280	5 Nm <sup>3</sup> /h	1x2,2 kW/400V/230V	20 - 200 mbar	235 bar	280 l
FFS 1C05 560	5 Nm <sup>3</sup> /h	1x2,2 kW/400V/230V	20 - 200 mbar	235 bar	560 l
FFS 2C05 560	10 Nm <sup>3</sup> /h	2x2,2 kW/400V/230V	20 - 200 mbar	235 bar	560 l
FFS 1C10 840	10 Nm <sup>3</sup> /h	1x4,0 kW/400V/230V	17 - 200 mbar	250 bar	840 l
FFS 2C10 840	20 Nm <sup>3</sup> /h	2x4,0 kW/400V/230V	17 - 200 mbar	250 bar	840 l
FFS 1C20 1680	20 Nm <sup>3</sup> /h	1x9,0 kW/400V/230V	17 - 300 mbar	250 bar	1680 l
FFS 2C20 1680	40 Nm <sup>3</sup> /h	2x9,0 kW/400V/230V	17 - 300 mbar	250 bar	1680 l