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(57) Abstract :

A diaphragm operated CNG pressure regulator (100) connected to a CNG cylinder, comprising: a bonnet (114), a diaphragm (115), a body (116), a junction block (117), a safety relief valve (113), a high-pressure filter (112), a bull-nose connector (120), a CNG pressure gauge (111) and a refueling adaptor (104), said regulator (100) is rigidly mounted on the CNG cylinder directly at said junction block (117) by means of a bull-nose connector (120) and a coupling screw (119) in a sealing manner, wherein the outlet pressure of CNG can be reduced from 200 to any desired pressure by adjusting the spring load exerted by a spring (100) on said diaphragm (115) by means of an adjusting screw (109).

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