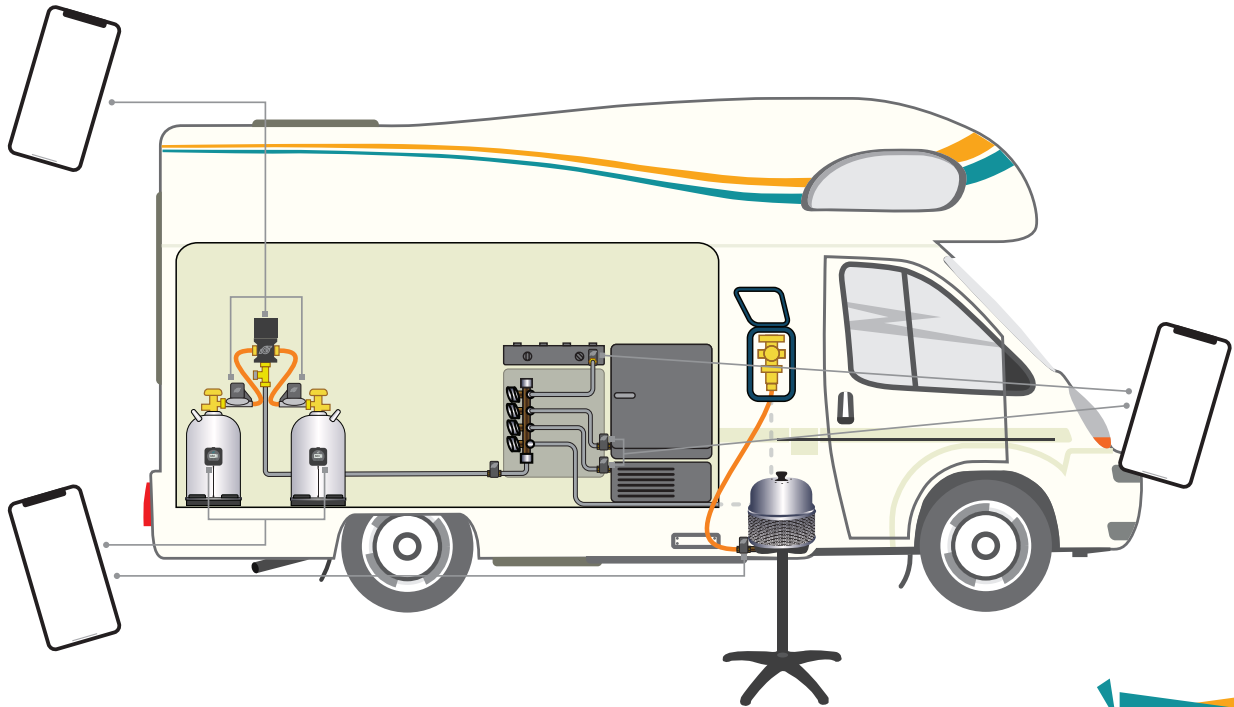




**Integrated Gas
Technologies**

Smart Caravan

Smartphone Application



Automatic Gas safety protection

Automatic performance optimization

The controlling unit will always be installed in the RV near the system and can:

- Shut off gas if pressure drops above a set value
- Control Smart Valve iChangeOver® according to gas left in cylinders
- Control Smart Regulator iControlGas® according to target pressure at point of consumption

All Bluetooth devices controlled by one Control unit

As a global gas regulator manufacturer IGT takes pride in product quality & durable products. We support UN Sustainable Development Goals with special focus on 3, 12 & 13. An extended product lifetime reduces environmental footprint.



Smart Caravan

Smartphone Application

How the smart Regulator iControlGas® works

Automatic Performance Optimization:

By dynamically changing the spring force the regulator can adapt for the following 3 reason of falling gas pressure.

1. The falling gas pressure in the gas cylinder at low gas levels
2. Falling gas pressure caused by low air pressure at high altitudes
3. Pressure drops in pipe and valve between regulator and gas appliance served

The dynamical regulation provides the gas appliance with an optimal and stable inlet pressure i.e. 30m bar and the combustion process is optimized resulting in less pollution, Sod, CO, Nox etc and an improved economy maximum gas safety reduced gas consumption and reduced CO₂ emission.

Automatic Gas safety Protection:

The actuator that adjusts the spring force can also be used to turn off the gas flow completely.

If a major gas leak occur or over/under pressure occurs downstream, the pressure sensors inbuilt detect this malfunction and programming will automatically turn off the gas supply and/or give a notification to the end user by the App. This works additionally as an automatically Crash sensor functionality.

Bluetooth devices controlled by Inbuilt Control unit



An android based controlling unit is inbuilt in the RV can:

- Show battery Status of all devices
- Show weight of the gas cylinder content- by iGasView®
- Show pressure delivered at regulator outlet
- Show pressure delivered at gas appliance inlet
- Display a warning if pressure drop is above a set value (crash/earthquake sensor)
- Shut off gas if pressure drops increases above a set value (OPSO/UPS0) function
- Show temperature from sensor
- Control Smart Valve iChangeOver® according to gas left in cylinders
- Control Smart Regulator iControlGas® according to target pressure choosen at point of consumption



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