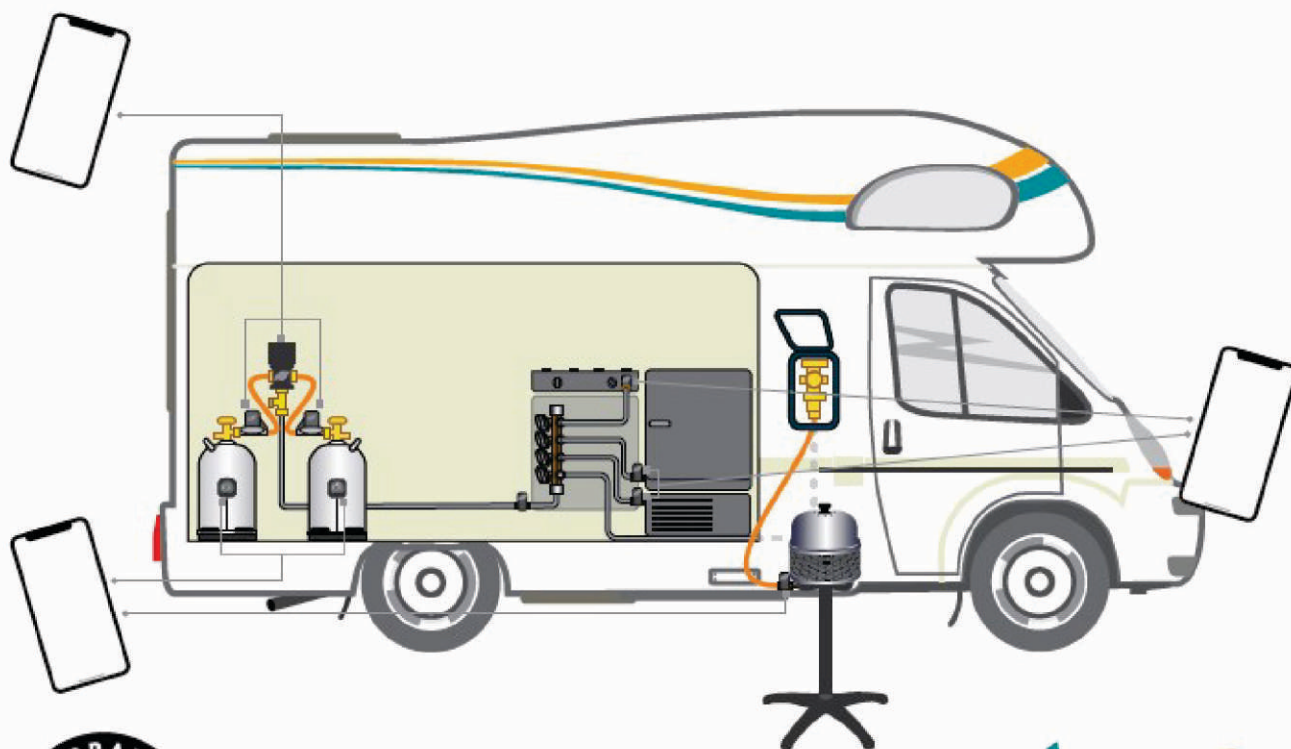




**Integrated Gas  
Technologies**

# Smart Caravan

## Smartphone Application



Automatic gas safety protection

Automatic performance optimisation

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

- Turn off gas if pressure drops above a set value
- Control iChangeOver® smart valve according to gas left in cylinders
- Control iControlGas® smart regulator according to target pressure at point of consumption

All Bluetooth devices are 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

## How the iControlGas® smart regulator works

### Automatic performance optimisation:

By dynamically adjusting outlet pressure by a second stage needle valve, the regulator can cater to three types of falling gas pressure:

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

The dynamic regulation provides the gas appliance with an optimal and stable inlet pressure (i.e. 30m bar). The combustion process is optimised, resulting in less pollution, SOD, CO, and NOx, an improved economy, maximum gas safety, reduced gas consumption and reduced Co2 emission.

### Automatic performance optimisation:

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

If a major gas leak occurs or over/under pressure occurs downstream, the built-in pressure sensors will detect this and programming will automatically turn off the gas supply and/or send a notification to the end user through the app. This also works as an automatic crash sensor functionality.



### Bluetooth devices controlled by In App control unit

- Display the battery status of all connected devices.
- Retrieve the weight of the gas cylinder content using either iGasView or iControl Gas Regulator.
- Show the pressure delivered at the regulator outlet.
- Display the pressure delivered at the gas appliance inlet.
- Activate a warning if the pressure drop exceeds a predetermined value (e.g. triggered by a crash or earthquake sensor).
- Automatically shut off the gas supply if the pressure drop increases beyond a predetermined value (using the OPSO/UPSO function).
- Read and display the temperature data from the connected sensor.
- Manage the iChangeOver® smart valve's operation based on the gas remaining in the cylinders.
- Control the iControlGas® smart regulator based on the target pressure selected at the point of gas consumption.

 **40+** Million  
Safe Families

 **120+**  
Countries

 **400+**  
Products

 **25+**  
Certificates



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