

Understanding Refillable Gas Cylinder Options

The information provided here is for interest only and does not form an installation guide.

The information has been put together to try to help Caravan, Motorhome and Camper van owners who may be considering a refillable system or thinking of making changes to their existing systems.

As always, gas systems should only be worked on by suitably competent persons.

If you are unsure, get an expert in to advise.

The options provided are not the only ways in which refillable systems may be added, just the more common.

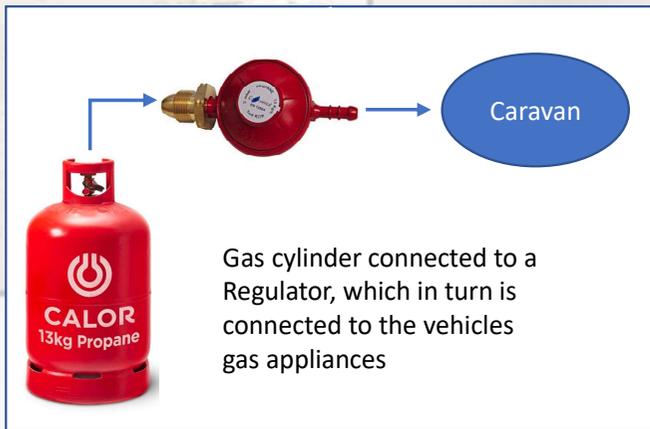
The information is provided in good faith and may contain errors which is why it is provided for information only. Diagrams have been simplified and are indicative of layout only, not actual connections, always read the documentation provided with your equipment.



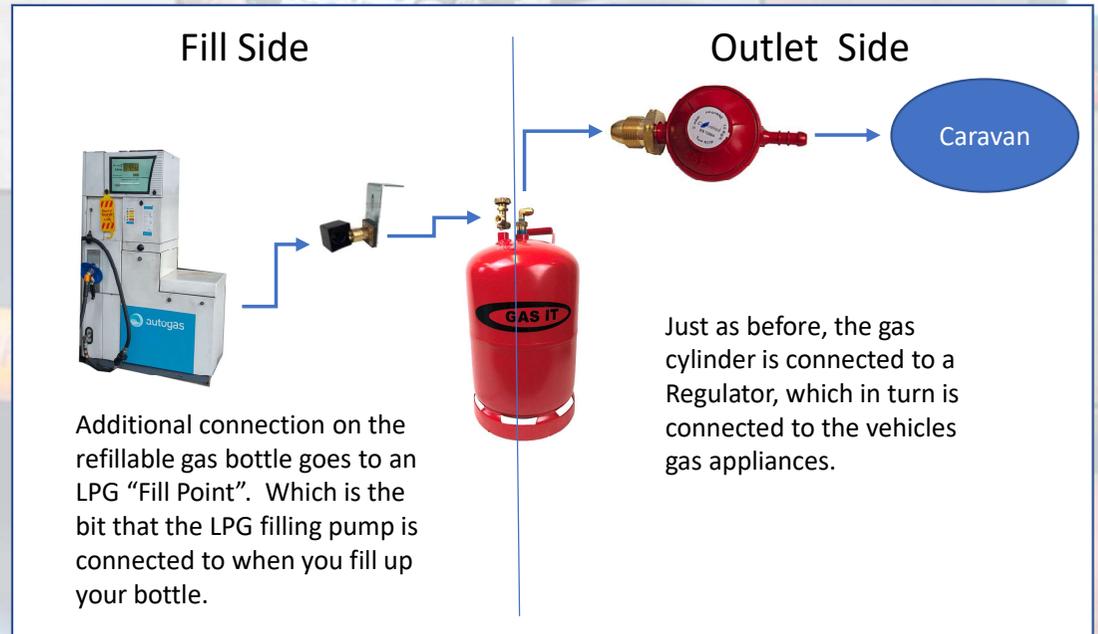
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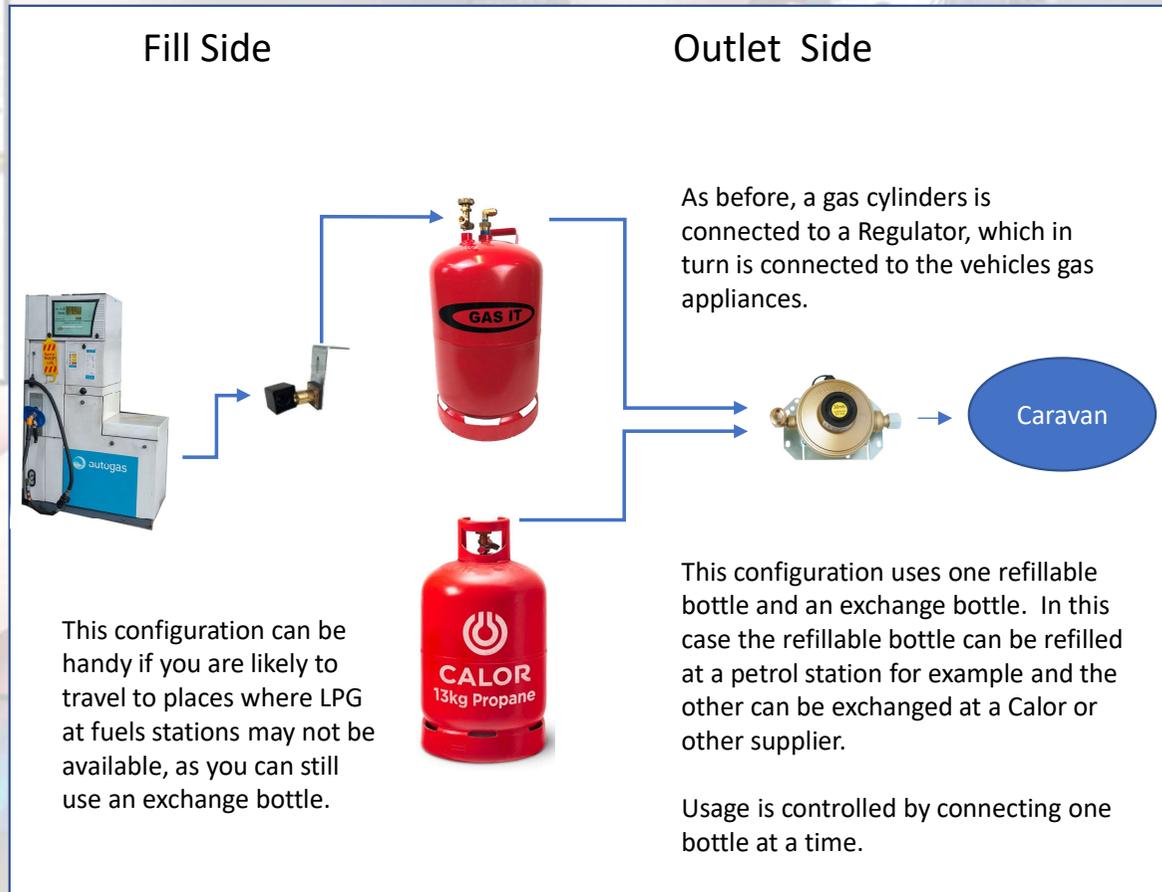
Basic Exchange system.



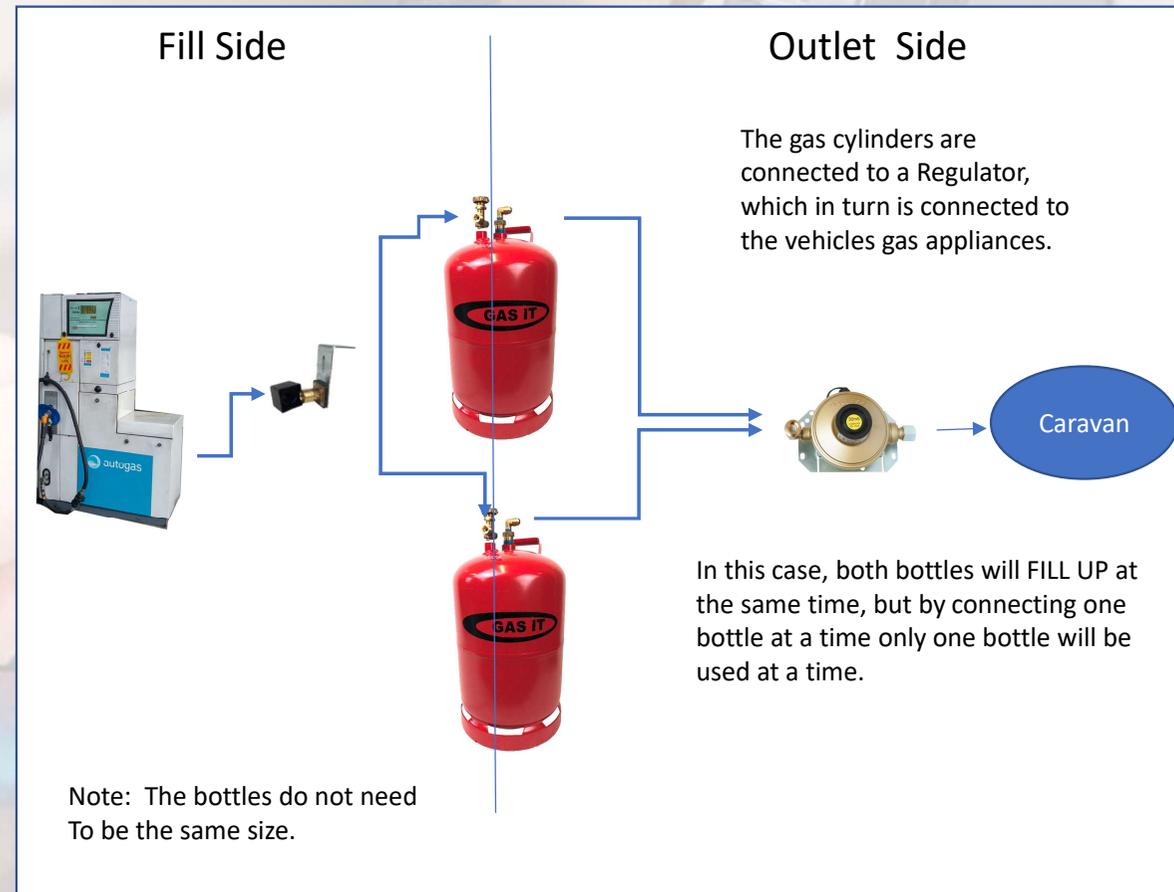
Basic Refillable system.



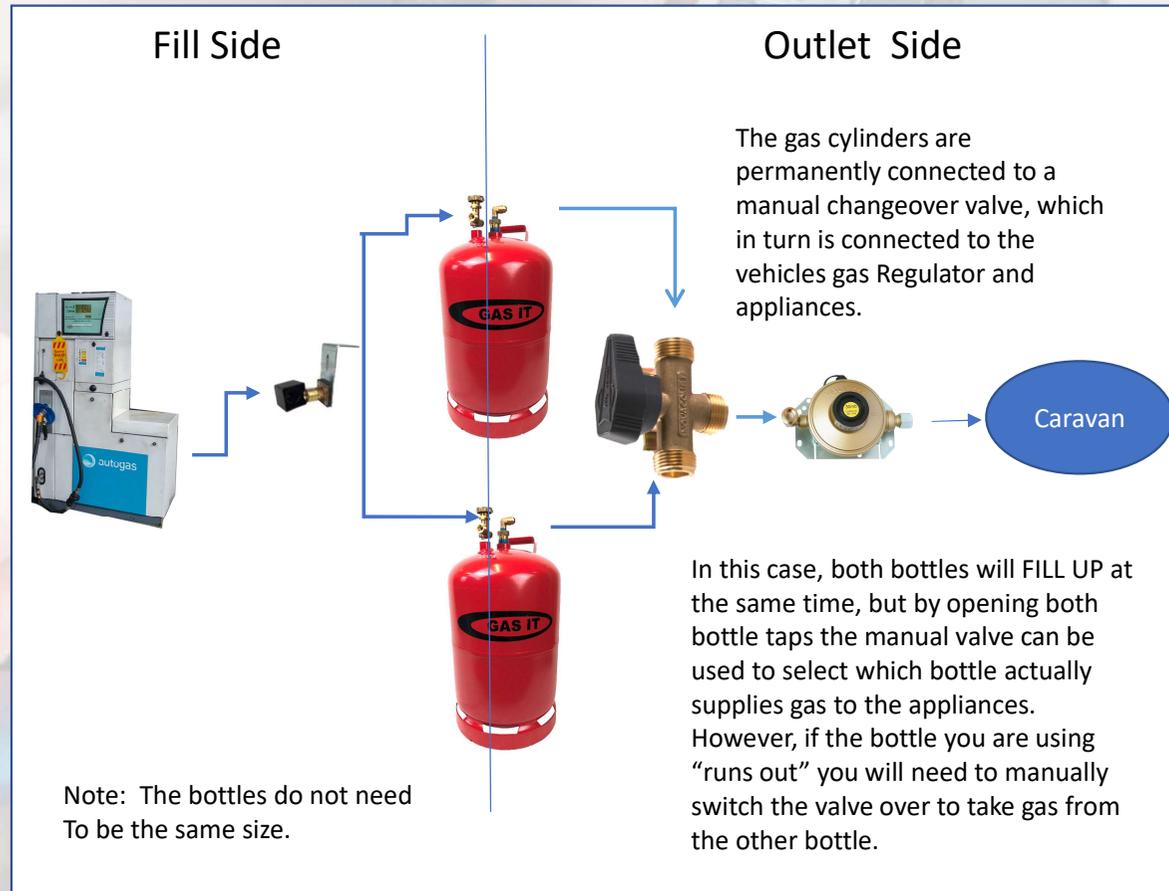
Basic Twin Bottle part Refillable System.



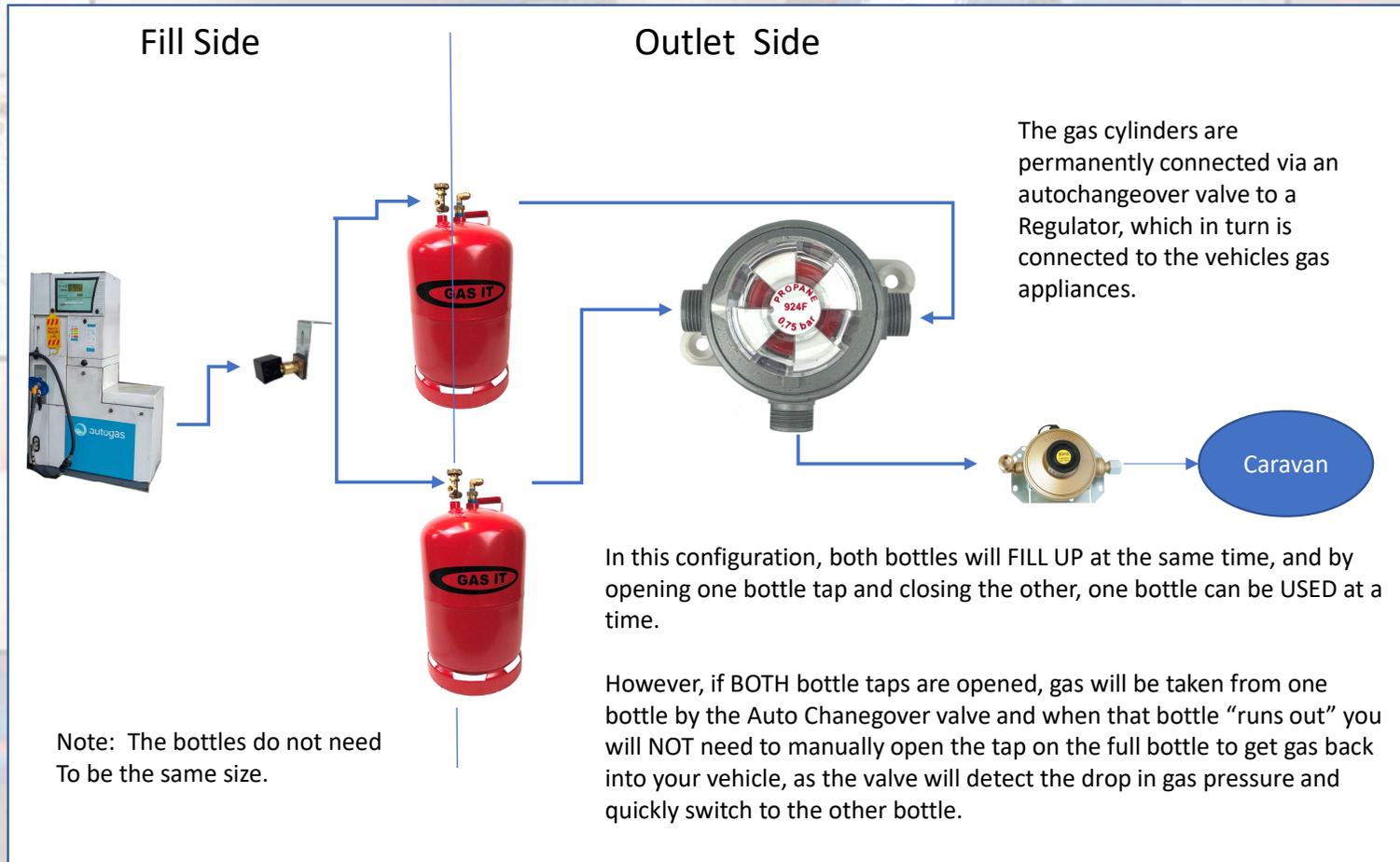
Basic Twin Bottle Refillable System.



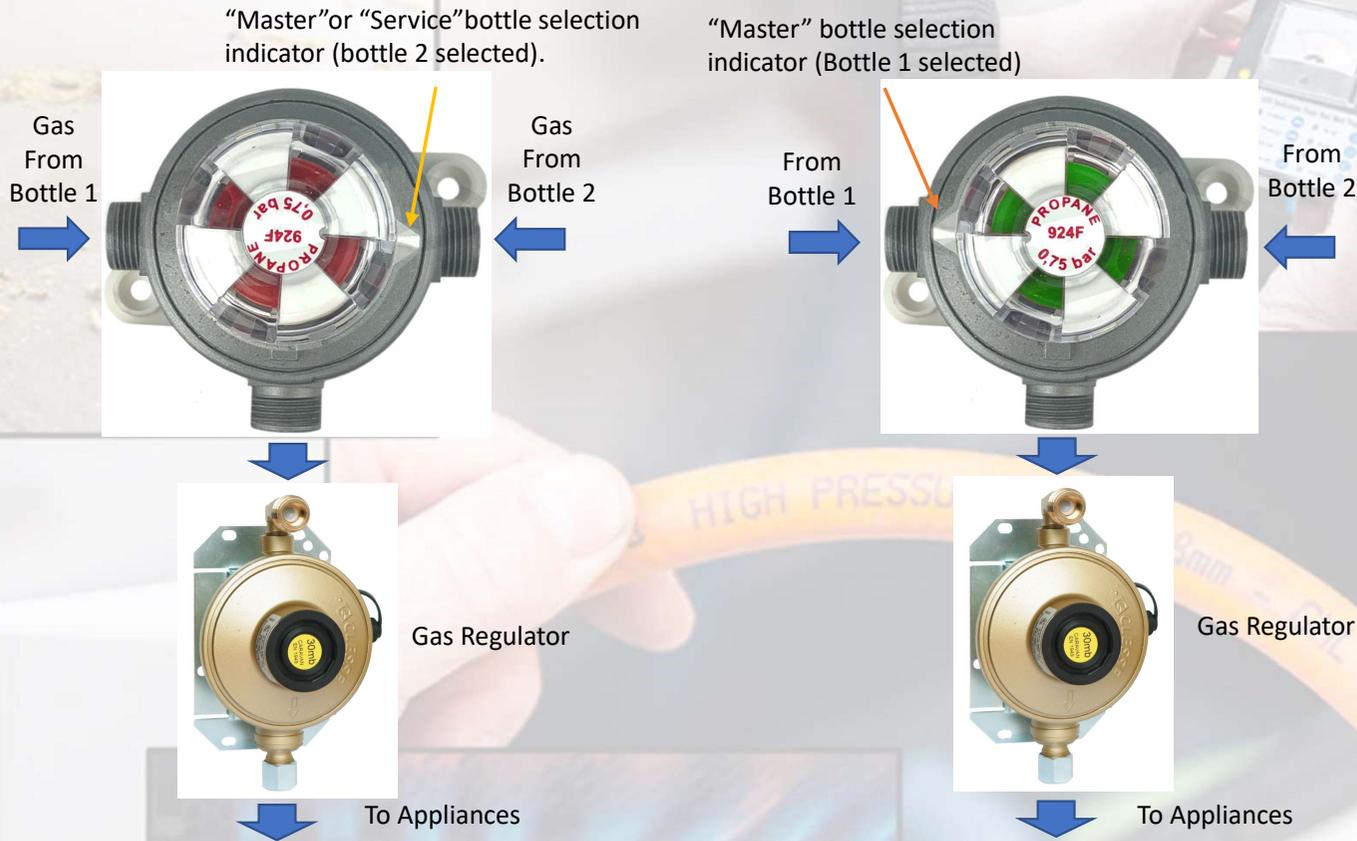
Basic Twin Bottle Refillable System with manual changeover valve.



Twin Bottle Refillable System with Auto Changeover.



Auto changeover valve overview



This Auto changeover valve incorporates a coloured indicator to show whether the gas bottle it is currently trying to take gas from actually contains a useable amount of gas.

To the left you can see that the coloured chevrons inside the valve are Red or Green.

As might be expected Red means no gas, and Green means ok.

Note:

- Many Auto changeover valves now have a gas regulator “built in”. This saves space in your gas locker.
- You don’t need to have a refillable system to be able to use an Auto Changeover Valve, they work equally well with two Calor type exchange bottles.

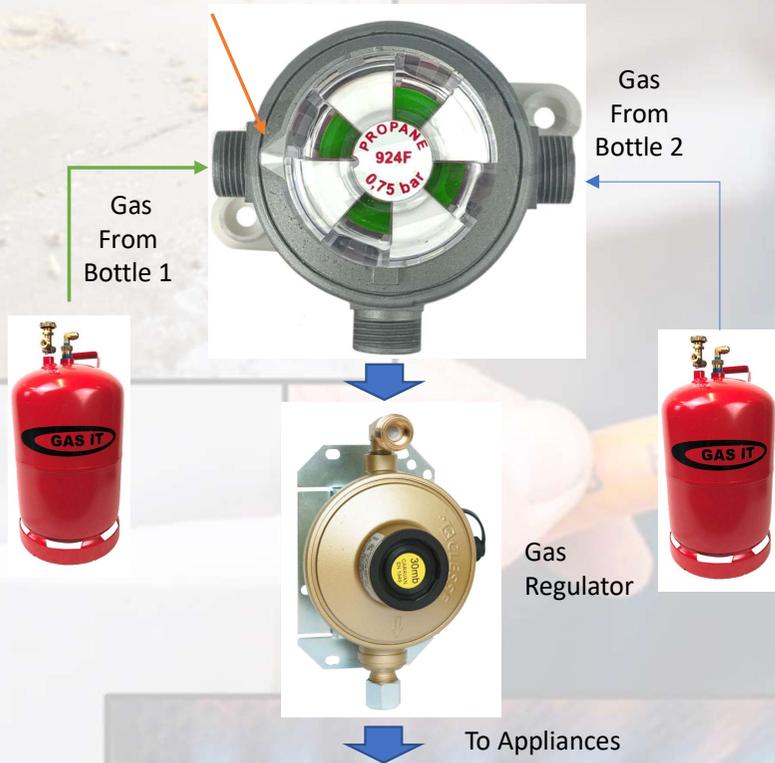
Selecting the Master Bottle

The outer casing on the valve rotates to allow a “master” or “Service” bottle to be selected, This bottle will be used first. Once the master bottle is emptied the valve switches to the other bottle.

Note that the clear outer casing does not move, so pointer will still point to the original “master” bottle even though gas is being drawn from the other bottle.

Auto changeover valve operational overview

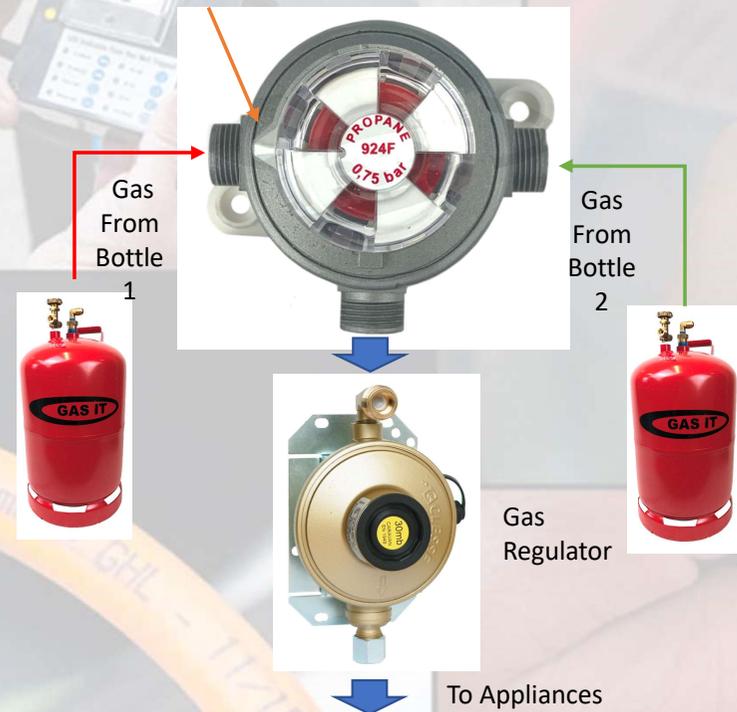
“Master” bottle selection indicator (Bottle 1 selected)



In the example above, with both gas bottles open, both bottles are able to supply gas to the appliances.

However the outer selector ring has been turned to point toward the left bottle so this is the Master or Service bottle and is the one which will supply gas.

“Master” bottle selection indicator (Bottle 1 selected)



In the example above, with both gas bottles open, both bottles are still able to supply gas to the appliances.

However the left hand “master” bottle has run out of gas. The valve seamlessly switches over to take gas from bottle 2. There is no need to change the position of the outer ring to access the second bottle.

Notice that the outer ring does not move and still points to bottle 1 and that the indicator has turned red. This means that the bottle the selector is pointing to is out of gas. If you turn the outer ring to point to the other bottle and the indicator turns or remains red, then the second bottle is also out of gas and its time for a refill.