

# ritchies

Creating success for wine & beer makers ●

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## **COMBINED INJECTION & PRESSURE RELEASE VALVE**

Read instructions fully before starting

### **FUNCTION OF VALVE**

1. The valve has been designed to release excess pressure that builds up during secondary fermentation. The gases will blow through the pressure release rubber (shown below).
2. The valve has also been designed to allow injection of additional gas should the pressure fall in your barrel.

### **TO USE**

1. Make sure the valve is tightly fitted into the cap.
2. Sterilise your barrel, cap and valve, using Ritchies Steriliser/Cleaner. DO NOT use any steriliser that contains SODIUM METABISULPHITE, as this will cause extensive damage to your valve.
3. Transfer your beer into your barrel when it has reached the correct specific gravity (as per the beer kit instructions).
4. After adding your priming sugar (as per kit instructions) leave your barrel in a warm place for 3 days. This will allow secondary fermentation pressure to build up.
5. Now transfer the barrel to a cool place to allow the beer to clear. This will take about 3 weeks. The barrel should not be moved again.

## ADDING EXTRA GAS

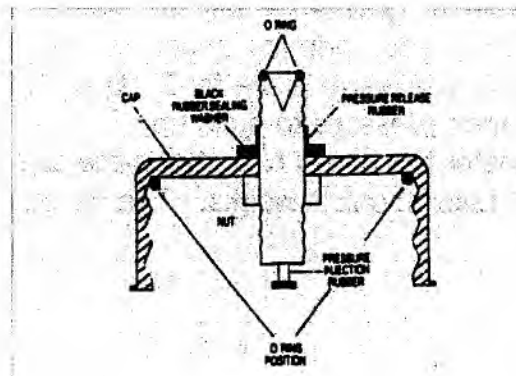
If you find there is insufficient head on your beer, you may wish to add additional gas. This can be done by using CO<sup>2</sup>. Your home brew supplier will advise you on the different types available. If you purchase a rechargeable S20/S30, then for safety you must follow these instructions.

- a. Screw your cylinder onto the valve until you feel, and can hear gas entering the barrel. At this point you must **immediately** turn back your cylinder so no more gas is added. Now try your beer. It may be necessary to repeat this process, but **never** inject more than a **ONE SECOND** burst of gas.
- b. If your barrel is full of beer you should never add extra gas. This could cause damage to your barrel. If you think it necessary to add gas at this stage, you should check your seals on the barrel, and re-prime with some additional sugar.
- c. The gas cylinders are highly volatile, and great care should be taken with them at all times. Never leave your cylinder screwed onto your valve. No responsibility can be taken for cylinder misuse or malfunction.

## MAINTENANCE

Check the three rubbers on your valve regularly. These will need changing every third brew, and maybe more frequently.

When unscrewing the nut always grease the thread with vaseline.



## **INJECTOR VALVE**

You will notice with this product that the valve has a piercing pin in the top. This is designed for use with an 8gm bulb holder.

Screw directly onto the valve, so the bottom of the 8gm bulb is coming into contact with the piercing pin. Once the bulb has been pierced, screw the bulb holder down further, until all the gas has been discharged.

Never try and stop the flow of gas once it has started, this would be highly dangerous. The principal of this product is for a full 8gm bulb to be used at once.

Should you decide to use re-chargable cylinders (i.e. S30 type), this can be done by removing the piercing pin from the valve, and turning it upside down, it might be necessary to remove the 'o'ring in the top of the valve first