



Keggomax CM Reflux Still

The Keggomax CM Reflux Still is easily one of the best reflux stills available today. It's a professional grade still that produces exceptional purity spirit with a high level of purity (approx 95% ethanol) and is well suited to large batch sizes.

As any experience distiller will know, the purity of the spirit produced is largely depended on the height and volume of the reflux column. Our reflux column boasts a height of 77cm and diameter of 50mm meaning that this is also one of the largest domestic stills available.

The Keggomax CM Reflux Still can be used with a 50L commercial keg as shown in photo (left) or there is also optional hardware to attach it to other larger or smaller boilers using a nut arrangement.

The Keggomax CM Reflux Still features:

- Copper catalytic converter to release sulphurous odors from your spirit
- Huge 77cm tall reflux column
- Pre-cooler jacket on reflux column
- Full stainless steel body
- Food grade silicone seals
- Optional mounting hardware for easily mounting to readily available kegs
- Superior design and performance

Keggomax CM Reflux Still Includes

1. Reflux column and condenser
2. Silicone bung
3. Copper catalytic converter (already packed into the column)
4. Stainless steel packing (already packed into the column)
5. Thermometer



95% Alcohol Concentration

A mixture of ethanol and water at a concentration of 96.4% is known as an azeotrope. An azeotrope is a mixture whereas the ratio cannot be changed by simple distillation. So in other words theoretical maximum purity of a distilled spirit using conventional means is 96.4% and the closer you can get to that point the better you still is. Under conventional conditions you will not be able to get above this point.

The Keggomax CM Relux Still is capable of producing up to 95% pure ethanol meaning it's fairly close to being the perfect piece of distilling equipment for very high grade pure alcohol. The purity of your alcohol is extremely important as it is the difference between good and bad spirit and it will save you a lot of time in the long run as it means you will not need to double or triple distil your spirit to get good results. In addition to this, the higher the percentage of alcohol you can get the more good spirit you can extract from the wash.

50L Batch Size

When used with a 50L boiler the Keggomax CM Reflux Still has a large output capacity which will enable you to make approx 20 bottles of spirit (40% alcohol x 750ml) from one 50L wash. During the distilling process it is always a good idea to throw away the first part of the collected distillate (AKA the "head") and the last part (AKA the "tails"). As you do larger batch sizes the amount of head and tails that you throw away doesn't increase proportionally. So in other words you will be able to extract more good spirit from one large 50L batch than 2 smaller 25L batches. So a large still like this not only allows you to process large amounts of spirit at once, but it also improves your overall efficiency in converting wash to spirit.

Copper Catalytic Converter

The Keggomax CM Reflux Still come with the reflux column already packed with stainless steel wool and the fine copper catalytic converter mesh.



The copper catalytic converter mesh is placed inside the top of the column which helps to release sulphides. This is important as it will ensure your spirit has a pure taste and is without any off aromas.

Water Speed Controlled

Unlike other stills the Keggomax CM Reflux Still gives you full control of reflux process by adjusting the cooling water flow speed. A faster water speed will enable you to send more spirit back down the column and give you higher purity. A slower water speed will enable you to collect spirit faster but the spirit will be of a lower purity.

We recommend a water speed of anywhere between 1 - 6L per minute depending on your desired results.



Cooling Tank



The Keggomax CM Reflux Still can be used with a mains water supply running straight from your tap and through the still and down the drain. Some customers might see this to be a waste of water and will prefer to use the still with a recirculating pump and a tank of water. If you decide to do this we recommend your tank be at least 180 litres to effectively dissipate the heat.

NOTE: A standard wheelie bin makes an excellent size water tank for this purpose. Rain water tanks are also an excellent idea if you have one at home.

Unlike other stills the Keggomax Reflux Still has a condenser where the cooling water travels up the centre of the condenser as opposed to the outside. The reason for this is so the distillate travels down on the outside of the condenser which enables you the body of the condenser to dissipate approximately 15% of the heat into the air. This makes the cooling process more efficient and will ultimately reduce the amount of heat transmitted to the water and therefore reduce the size of the water tank you need. This is one of the reasons why the Keggomax CM

Reflux Still is more efficient than other stills on the market that require larger cooling tanks and consume more water.

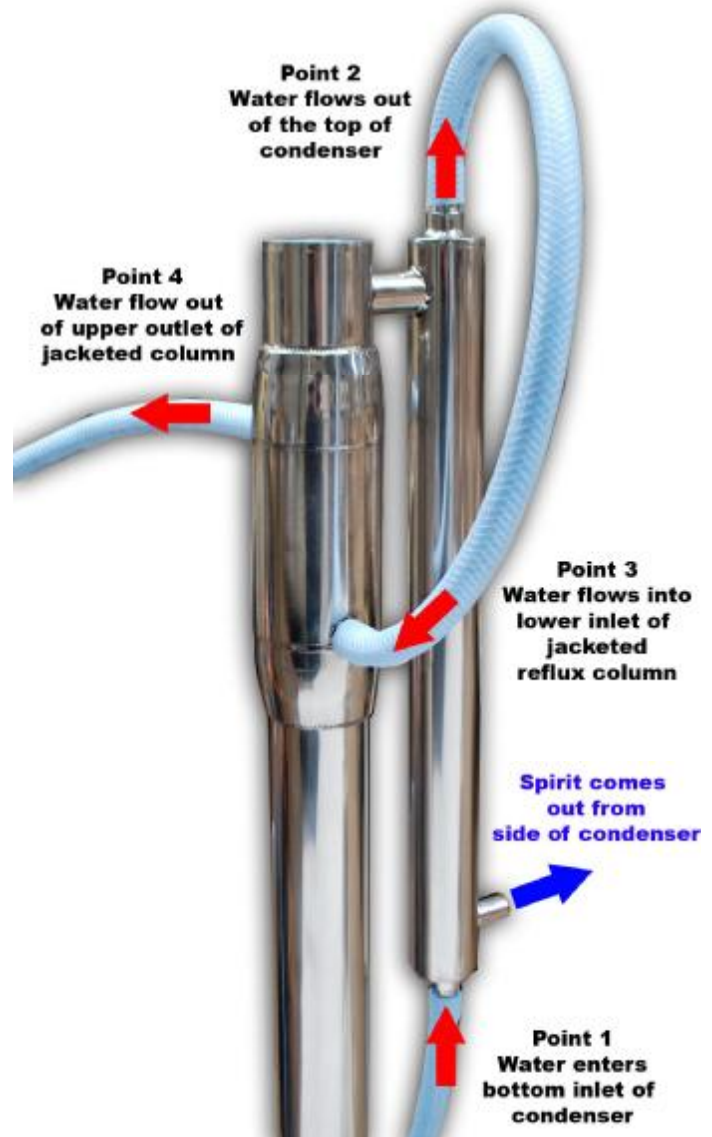
Water Circulation

It is important to have the Keggomax CM Reflux Still set up with the plumbing correctly.

As shown in the diagram to the right, the cooling water should enter the bottom of the condenser cooling down the spirit on the way.

The water then passes out the top of the condenser then into the bottom inlet of the jacketed part of the reflux column.

The water is then collected from the upper outlet of the jacketed part of the reflux column and either disposed of, or pumped back into a recirculation tank to continue the process.





Mounting Hardware

The photo below shows the base of the Keggomax CM Reflux Still. Unlike other stills, the Keggomax CM Reflux Still has several different mounting options as shown below:

Option 1 – Threaded Reflux Column

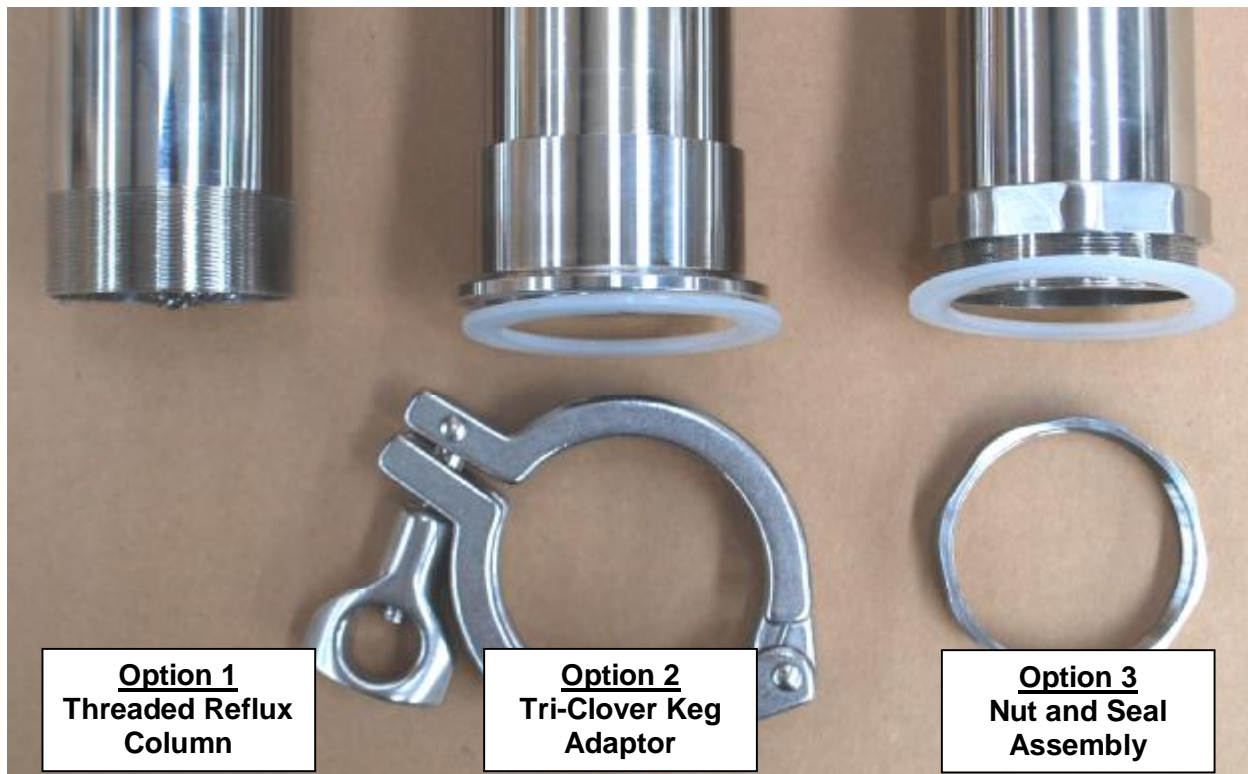
As shown in the photo below this is how the Keggomax CM Reflux Still comes without any mounting hardware. From this point the still can be screwed directly into a pot or into your boiler.

Option 2 – Tri-Clover Keg Adaptor

This option comes with a food grade silicone seal, tri-clover fitting, and tri-clover clamp that simply screws onto the bottom of your Keggomax CM Reflux Still. Once you have done this you can simply use the tri-clover clamp to connect the still to your keg boiler.

Option 3 – Nut and Seal Assembly

Just like option 2, this option comes with a food grade silicone seal. It also comes with two stainless steel nuts.



WARNING

Some countries like NZ allow you to use a home distiller for personal use, others like Australia require you to have a licence. Even without a licence, you are allowed buy this still in Australia for the sole use of water or essential oils. It is up to you to look into your local laws before purchasing. We do not advocate breaking any laws.



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Keg Boiler

Stainless steel 50L kegs are perfect to be used as keg boilers. They are relatively inexpensive, strong, have thick walls, sturdy handles, made from high grade 316 or 304 stainless steel, and most of all, they are great for boiling your wash. If your kegs are full stainless you can put them directly onto a heat source (ie. Mongolian burner, or stove) or preferably you can fit with an electrical element and

your Keggomax Reflux still can attach to the top of the keg simply using the tri-clover mounting hardware (as shown in photo above on the left).



Weld Free Stainless Steel 2200 Watt Electrical Element



As well as supplying the keg boilers made up, we can also supply our specially designed 2200watt electrical elements that can be easily ported into the side of any keg or pot. The total diameter of the electrical element is small enough so that you can fit it into the neck of a commercial type 50L keg. It's a simple 3 step process to make your keg boiler:

1. Remove spear from keg
2. Drill 32mm diameter hole near the bottom of the keg in the side wall.
3. Feed 2200 watt element into the top of the keg and using some coat hanger wire or similar, pull the element back through the hole that you just drilled and tighten the nut up from the outside of the keg.

The whole process requires no welds and can easily be disassembled for cleaning or other sanitation.

Once you have purchased or made your keg boiler, you can simply use the tri-clover mounting bracket to attach the Keggomax CM Reflux Still to it.