



# High Technology for special neutral ethanol



Neutral Ethanol Equipment – Double Effect – 65.000 Liters / Day

[www.jw.ind.br](http://www.jw.ind.br)



# JW: assured and proven efficiency in Neutral Ethanol equipment.

JW consolidates one more equipment supply for Neutral Ethanol production, with high efficiency and fully automated, developed technology to reach the highest quality standards of beverage industry. Having malt as raw material results in a final product more sophisticated.

The Neutral Ethanol is a high added value product, purer, suitable to any application that involves the human or veterinary consumption, is also applied to company of chemical, food, pharmaceutical, perfumery and cosmetic industry. It is free of any impurity and its name comes from its olfactory and typical quality, it is characterized by its low acidity when compared to the ordinary ethanol.

In a simple definition the ethanol is a colorless, volatile and flammable liquid totally soluble in water. It can be derived of fermentative process of sugar cane, grape, corn, malt and others cereals. This ethanol from sugar fermentation process is separated of raw material by a unitary operation process: the distillation. After that it is washed with water and separated again to be concentrated next. The distillation process is based on the components volatiles differences of a liquid mixture and/or steam to be separated and when it operates under vacuum makes easier the undesirable compositions split.

Besides the conventional atmospheric system, JW has technology to neutral ethanol production equipment with double effect and under vacuum systems, providing to the customer a product with higher quality and a low energetic consumption system. In a conventional system the specific steam consumption is around 6 to 7 kg of steam for each liter of produced ethanol, in the JW system this consumption is around 3.5 to 4 kg of steam for each liter of produced ethanol.

