

APPLICATION NOTE

LAUDA STILLS FOR RESOURCE-SAVING HERBAL MEDICINE



Modern, water-saving production of spagyric remedies in the Swiss Alps

A traditional Swiss company specializing in spagyric medicines relies on LAUDA technology to achieve the highest purity standards in water treatment, while also conserving the precious water resources of the Alps. The combination of LAUDA Puridest stills and Ultracool circulation chillers enables triple distillation without the need for cooling water.

Customer presentation – tradition meets modernity

The Swiss company can look back on several decades of experience in producing spagyric medicines. The company produces them according to the traditional principles of Paracelsus, combining centuries-old knowledge with modern pharmaceutical standards.

The product range includes spagyric essences from a variety of medicinal plants, as well as drops, sprays, and ointments. It also features high-quality herbal teas cultivated organically and phytoenergetics for promoting physical and mental balance. All products are manufactured in accordance with the Homeopathic Pharmacopoeia (HAB) and registered as medicinal products.

Spagyric – The art of separating and combining

Spagyric is a holistic natural healing method based on the teachings of Theophrastus von Hohenheim (Paracelsus, 1493-1541).

With the help of extracts from medicinal plants such as arnica, St. John's wort, or lavender, the body's own self-healing powers are activated. Each essence is therefore based on high-quality, fresh or dried medicinal plants.

A central component is the use of triple-distilled water of the highest purity. The traditional processes for herbal extracts are continually being refined without compromising the fundamental principles of quality, sustainability, and purity.

The challenge – using water in an alpine location

Production on an alpine pasture in the Swiss Jura mountains poses special challenges. The company draws its water from a nearby spring, which also supplies its neighbors. Particularly during dry periods, it is crucial to keep water consumption as low as possible to ensure a constant water supply for everyone.

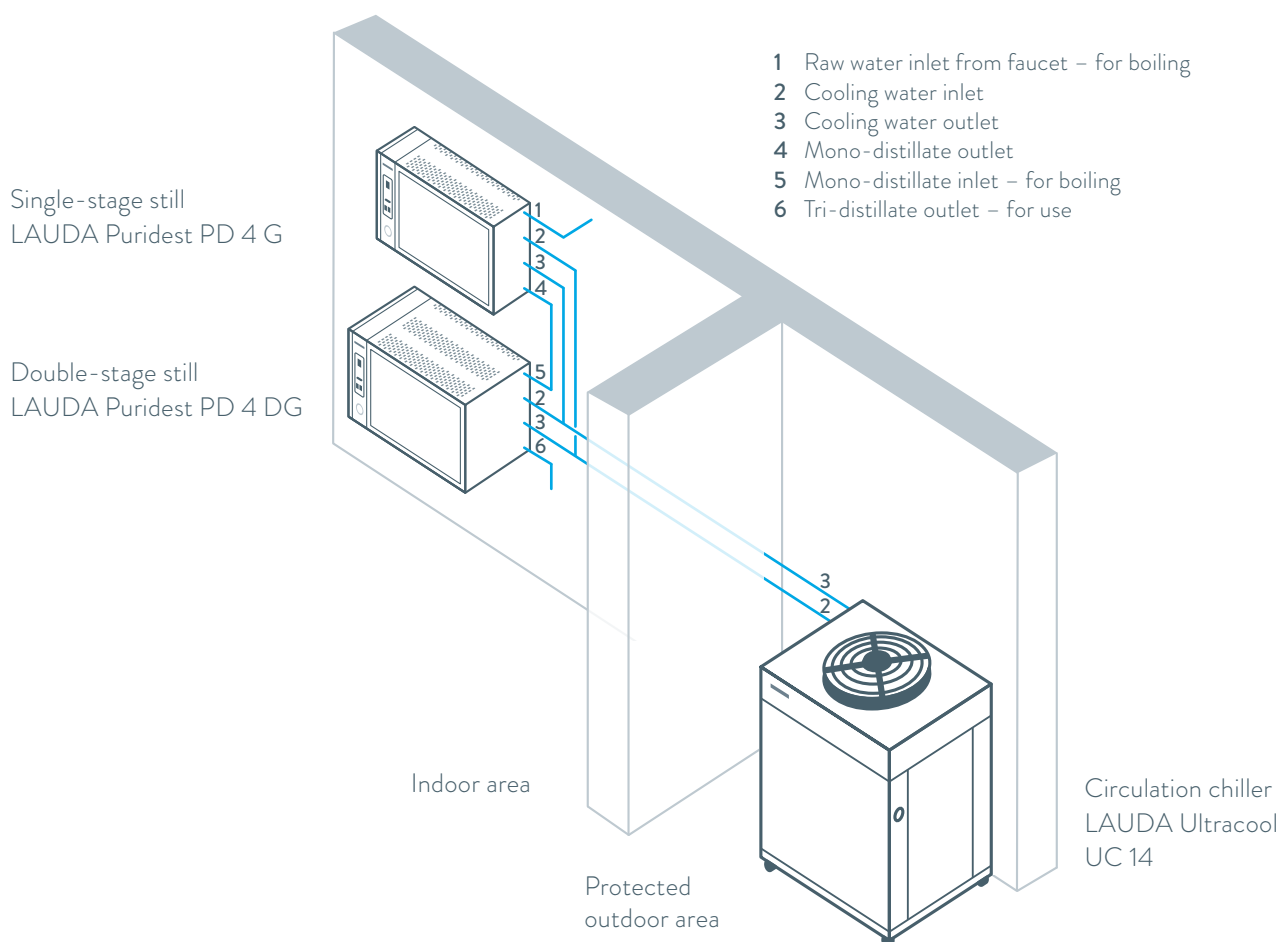
The use of chemical or environmentally harmful substances for water treatment is also ruled out.

The LAUDA solution – Puridest and Ultracool working together

LAUDA developed a customized solution with two Puridest distillation units and an Ultracool circulation chiller.

A LAUDA Puridest PD 4 G single-stage still made of glass takes over the first distillation stage for pre-purification and removes impurities from the source water. A LAUDA Puridest PD 4 DG two-stage unit made of glass then processes the purified water further and takes care of the second and third distillation stages. In this way, the customer receives triple-distilled water of the highest purity, while also being able to draw single-distilled water separately from the first Puridest device at any time for other purposes. Both devices are mounted on the wall to save space.

The LAUDA Ultracool UC 14 circulation chiller is the heart of the cooling concept. It operates in a closed cooling circuit without cooling water consumption. The Ultracool UC 14 is suitable for outdoor installation and therefore takes up no space in the laboratory.



Technical data

- Constant cooling water temperature: 10 °C
- Frost protection through water-glycol mixture (60/40 %)
- Operational safety down to -20 °C outside temperature

The results: Preserving tradition, conserving resources

With the help of the LAUDA solution, high-quality herbal medicinal products can be produced in the Swiss Alps, meeting the strict spagyric purity requirements and traditional production principles.

The closed cooling circuit means that no cooling water is used, thus conserving Alpine water resources. In addition, the highly efficient distillation units ensure that no chemical water treatment agents are used, which could be released into the end products or the environment.

To add to the quality and environmental benefits, there are also positive economic aspects. LAUDA units require little maintenance, reduce operating costs by eliminating cooling water costs, and offer a high level of production reliability even in adverse weather conditions.

Conclusion – Making good things better with LAUDA

This success story impressively demonstrates how LAUDA supports its customers while also meeting modern sustainability requirements. The combination of Puridest distillation systems and Ultracool circulation chillers enables the Swiss spagyric manufacturer to continue traditional production principles while conserving the valuable resources of the Alps. LAUDA proves once again that ›Empowering Excellence. For a better future‹ is both corporate philosophy and a lived practice.

LAUDA DR. R. WOBSEER GMBH & CO. KG
Laudaplatz 1 • 97922 Lauda-Königshofen • Germany
www.lauda.de