



LAUDA VARIOCOOL, THE IDEAL SOLUTION FOR COOLING WITH PRECISION AND POWER

Dear ladies and gentlemen,

Temperature is a very important parameter, especially in all processes that generate heat, to be removed with the right cooling power, but with good accuracy, in many cases.

Very often in traditional and single-use reactors, in pharmaceuticals, LAUDA Variocool is a first choice. Our experience in this field is particularly significant, with this product line, which fully meets the functionality required in this field.

LAUDA Variocool systems combine the operational versatility of the chiller with the medium heating performance required by biological and chemical processes. The range includes cooling powers ranging from the smallest VC 600 (600 W) to the largest VC 10000 (10 kW). Our machines can be interfaced with external management systems, via RS232/485, analog interface, Profibus or Ethernet. They have various options, such as heating up to +80 °C, the PT100 temperature probe (to control the set-point directly on the sample), circulation pumps with pressures up to 5 bar and up to 60 L/min flow rate. Manual controls are simple and immediate, thanks to the TFT colour display and the robust membrane keypad.

The range also includes many models with water cooling, ideal for solving problems related to the introduction of the system in the clean room.

Variocool - chiller for laboratory, pilot plant and production

The Variocool series models offer a wide range of applications for temperature control tasks requiring superior performance. All systems are equipped with a USB interface and an alarm contact. A number of options complete the possibilities of adapting the machines to specific requirements, such as high pressure circulation pumps, the heating element option, which brings the temperature range up to +80 °C, and the interfaces available, starting with RS 232/485.

Technical characteristics:

- Temperature range: -20 / +40 °C
(up to +80 °C with heating option)
- Cooling capacities* from 0.6 to 10 kW
(@20 °C)
- Stability: +/- 0.05 K
- Circulation pumps: 28 to 60 L/min
(depending on model), maximum
pressure 0.9 to 4.8 bar

*Cooling capacities expressed at 20 °C,
with an ambient temperature of 25 °C



TECHNICAL DATA

You want additional information or you need a technical discussion for your application? We are at your disposal. For all those who are interested, you can contact us for a technical consultation or a demo, on the phone and in the e-mail boxes below.

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