

PRODUCT DATA SHEET

PRO RP 1090 C

The LAUDA PRO offers the user a future-proof product line having an outstanding overall concept. A significant innovation in the concept is the subdivision into thermostats for internal applications and thermostats for external applications. Heating and cooling bath thermostats have been optimized for internal applications. Circulation thermostats for external applications are a new category. Small active volumes enable rapid temperature changes. A new approach was also taken with the operating concept. There are two operating units available, Base and Command Touch. These can be removed from the thermostat for very high levels of flexibility. On the one hand, this permits remote control of the devices, and, other hand, this considerably reduces the height of the devices. All thermostats are equipped with an Ethernet and a USB interface as well as a Pt100 connection as standard. The cooling thermostats are also available with natural refrigerants. In addition, they are also equipped with a hybrid cooling system as standard. This enables additional cooling of the refrigerating machine with water.



Working temperature min.
-90 °C



Working temperature max.
200 °C

Technical Attributes

PRO RP 1090 C

| | |
|---|---------|
| Working temperature min. | -90 °C |
| Working temperature max. | 200 °C |
| Ambient temperature min. | 5 °C |
| Ambient temperature max. | 40 °C |
| Temperature stability | 0.01 ±K |
| Heater power | 3.6 kW |
| Cooling output at 20°C measured with ethanol | 0.8 kW |
| Cooling output at 0°C measured with ethanol | 0.72 kW |
| Cooling output at -20°C measured with ethanol | 0.66 kW |
| Cooling output at -30°C measured with ethanol | 0.63 kW |
| Cooling output at -40°C measured with ethanol | 0.6 kW |
| Cooling output at -50°C measured with ethanol | 0.54 kW |
| Cooling output at -60°C measured with ethanol | 0.37 kW |
| Cooling output at -70°C measured with ethanol | 0.24 kW |
| Cooling output at -80°C measured with ethanol | 0.11 kW |

LAUDA DR. R. WOBSEY GMBH & CO. KG
Pfarrstraße 41/43 · 97922 Lauda-Königshofen
Postfach 1251 · 97912 Lauda-Königshofen · DE

T +49 (0) 9343 503-0 · F +49 (0) 9343 503-222
info@lauda.de · www.lauda.de
WEEE-Reg.-Nr.: DE 66 42 40 57

Kommanditgesellschaft: Sitz Lauda-Königshofen
Registergericht Mannheim · HRA 560069

Persönlich haftende Gesellschafterin:
LAUDA DR. R. WOBSEY Verwaltungs-GmbH
Sitz Lauda-Königshofen
Registergericht Mannheim · HRB 560226

Geschäftsführer:
Dr. Gunther Wobser (Vors.), Dr. Mario Englert
Dr. Marc Stricker
Beirat: Dr. Gerhard Wobser

PRODUCT DATA SHEET

PRO RP 1090 C

| Technical Attributes | PRO RP 1090 C |
|---|------------------------|
| Cooling output at -90°C measured with ethanol | 0.02 kW |
| Power consumption | 3.7 kW |
| Interface(s) | Ethernet, USB (Type B) |
| Bath volume min. | 6.5 L |
| Bath volume max. | 10.5 L |
| Bath opening width | 240 mm |
| Bath opening depth | 150 mm |
| Bath depth | 200 mm |
| usable depth | 180 mm |
| Dimensions (WxDxH) in mm | 440x600x780 |

LAUDA DR. R. WOBSEY GMBH & CO. KG
Pfarrstraße 41/43 · 97922 Lauda-Königshofen
Postfach 1251 · 97912 Lauda-Königshofen · DE

T +49 (0) 9343 503-0 · F +49 (0) 9343 503-222
info@lauda.de · www.lauda.de
WEEE-Reg.-Nr.: DE 66 42 40 57

Kommanditgesellschaft: Sitz Lauda-Königshofen
Registergericht Mannheim · HRA 560069

Persönlich haftende Gesellschafterin:
LAUDA DR. R. WOBSEY Verwaltungs-GmbH
Sitz Lauda-Königshofen
Registergericht Mannheim · HRB 560226

Geschäftsführer:
Dr. Gunther Wobser (Vors.), Dr. Mario Englert
Dr. Marc Stricker
Beirat: Dr. Gerhard Wobser