# PRODUCT DATA SHEET

Standing: 2025-06-10

## LAUDA Universa U 16 M
## Heating thermostat 200-240 V; 50/60 Hz
## Part Number: L003822

DOMINIQUE DUTSCHER SAS




**Features**

- Bath circulation thermostat with advanced electronics ensures precise control accuracy
- Future-proof thanks to modularity: LAUDA Universa with interchangeable control head and heating/cooling base allows flexible adaptation to current and future requirements.
- Clear overview, intuitive operation: The 5-inch colour TFT display simultaneously shows temperature values with a progression graph, offers clear menu navigation in six languages and clear operating status icons - easily controlled via cursor and soft keys.
- Focus on safety: The dedicated Tmax button provides convenient access to the essential overtemperature protection setting during commissioning.
- Versatile pressure-suction pump: The LAUDA Varioflex pump, a powerful pressure-suction pump, offers eight selectable performance levels, adjustable flow rate distribution for internal/external circulation for optimal volume flow and pressure
- Easily accessible front switch on the control head allows the pump output to be adjusted during operation.
- Adaptive bath edge ventilation (patent application): - Prevents icing and condensation - Stops water entering the bath - Blocks vapors to protect electronics. To increase operational safety and extend service life.
- Extensive functionality with programmer, safe mode, calibration options, controller self-adaptation and weekly planner for precise and flexible process control.
- Wireless communication: Integrated WLAN enables effortless connection with PC, tablet and smartphone.
- Intelligent remote control and monitoring: Integrated web server allows flexible remote control in the company network via the LAUDA Command app or browser-based, secured by PKI and 2-factor authentication. The connection to LAUDA.LIVE enables global, cloud-based data analysis and remote maintenance.
- Maximum networking: Comprehensive connectivity for almost any application thanks to standard Ethernet, USB and interface for an external Pt100 as well as eleven optional interface modules.
- Comprehensive safety functions: - Effective over- and under-level protection - Adjustable overtemperature protection with acoustic alarm - Automatic system diagnostics at start-up with alarm and error message display - Smart temperature control media management with automatic limit value adjustment. For reliable operation and improved safety of your valuable samples.

Reserve technical changes

LAUDA DR. R. WOBSER GMBH & CO. KG
Laudaplatz 1 • 97922 Lauda-Königshofen • DE

T + 49 (0) 9343 503-0
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. WOBSER 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

Standing: 2025-06-10

## LAUDA Universa U 16 M
## Heating thermostat 200-240 V; 50/60 Hz
## Part Number: L003822



Working temperature min.
70 °C



Working temperature max.
300 °C

| Technical Features | |
|---|---|
| Working temperature range | 70 ... 300 °C |
| Working temperature range with external cooling | 20 ... 300 °C |
| Operating temperature range | -30 ... 300 °C |
| Ambient temperature range | 5 ... 40 °C |
| Temperature stability | 0.01 ± K |
| Heating capacity range | 2.8 ... 3.7 kW |
| Current max. | 16 A |
| Size of bath (W x D x H) | 200 x 300 x 200 mm |
| Bath opening (WxT) | 200 x 300 mm |
| Bath volume min. / max. | 11.5 / 17.0 L |
| Pump Pressure max. | 0,7 bar |
| Pump suction max. | 0,4 bar |
| Pump flow rate max. (pressure) | 25 L/min |
| Pump Flow rate max. (suction) | 23 L/min |
| In / Outlet connection thread (outside) | M16 x 1 |
| In / Outlet Ø olives | 13 mm |
| Overall dimensions (WxDxH) | 280 x 550 x 497 mm |
| Weight | 22 kg |
| Power supply | 200-240 V, 50/60 Hz |
| Power plug | Power cord with angled plug (CEE7/7) |

DOMINIQUE DUTSCHER SAS

Reserve technical changes

LAUDA DR. R. WOBSER GMBH & CO. KG
Laudaplatz 1 • 97922 Lauda-Königshofen • DE

T + 49 (0) 9343 503-0
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. WOBSER 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

Standing: 2025-06-10

## LAUDA Universa U 16 M
## Heating thermostat 200-240 V; 50/60 Hz
## Part Number: L003822

**Standard accessories**

- 1 Bath cover
- Pump connection set with M16x1 stainless steel connections
- 2 screw caps, 2 closing plugs
- 2 nipples 13 mm for pump connectors
- Cooling coil with M16x1 stainless steel connections and plastic caps

DOMINIQUE DUTSCHER SAS

Reserve technical changes

LAUDA DR. R. WOBSER GMBH & CO. KG
Laudaplatz 1 • 97922 Lauda-Königshofen • DE

T + 49 (0) 9343 503-0
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. WOBSER 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

Standing: 2025-06-10

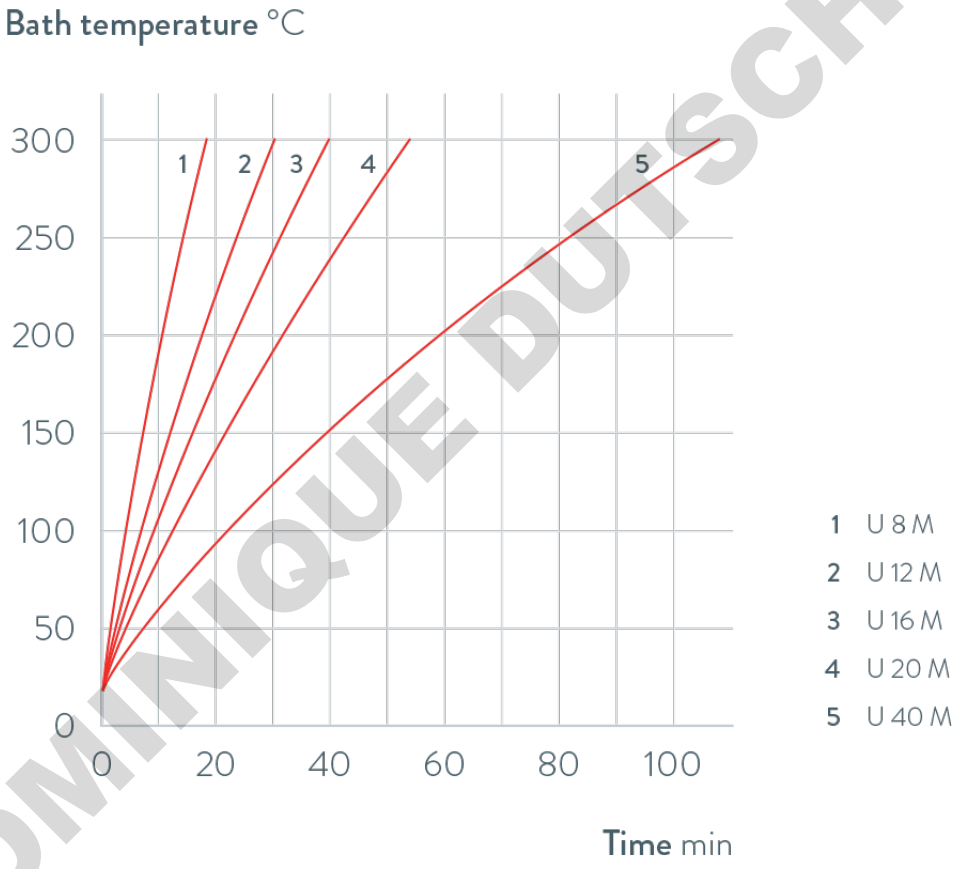
LAUDA Universa U 16 M

Heating thermostat 200-240 V; 50/60 Hz

Part Number: L003822

DOMINIQUE DUTSCHER SAS

## HEATING PERFORMANCE Heat transfer liquid: Water




Reserve technical changes

LAUDA DR. R. WOBSER GMBH & CO. KG
Laudaplatz 1 • 97922 Lauda-Königshofen • DE

T + 49 (0) 9343 503-0
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. WOBSER 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

Standing: 2025-06-10

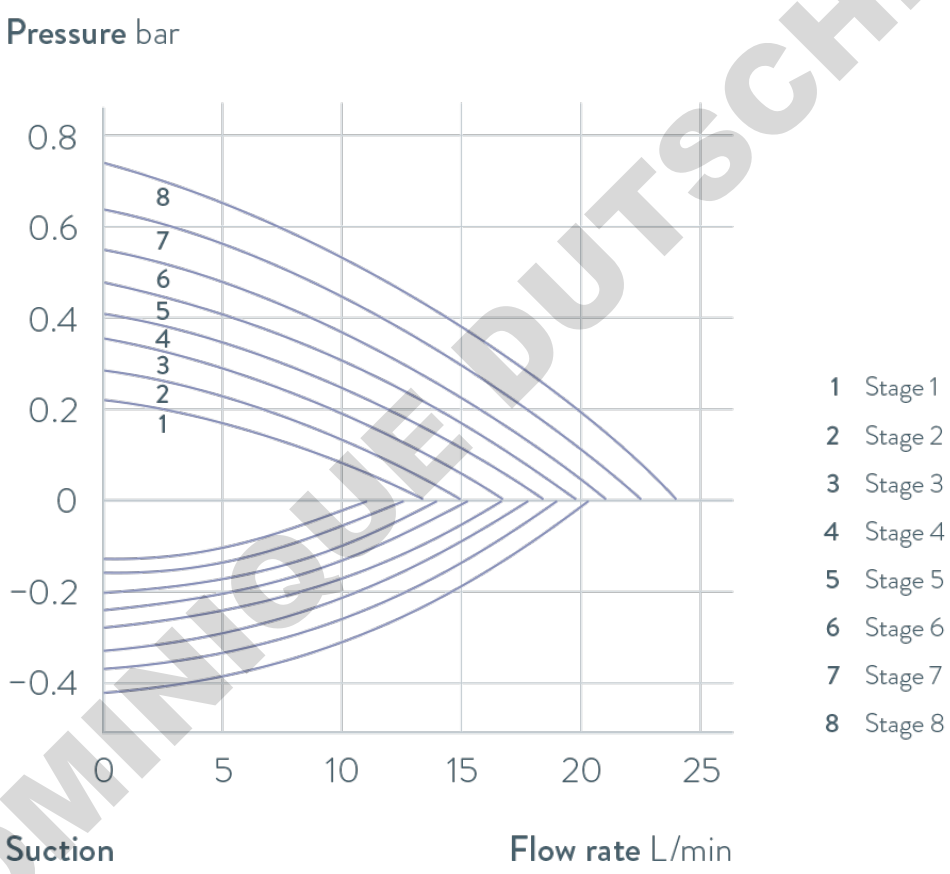
LAUDA Universa U 16 M

Heating thermostat 200-240 V; 50/60 Hz

Part Number: L003822

DOMINIQUE DUTSCHER SAS

**PUMP CHARACTERISTIC** Heat transfer liquid: Water




Reserve technical changes

LAUDA DR. R. WOBSER GMBH & CO. KG
Laudaplatz 1 • 97922 Lauda-Königshofen • DE

T + 49 (0) 9343 503-0
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. WOBSER Verwaltungs-GmbH
Sitz Lauda-Königshofen
Registergericht Mannheim • HRB 560226

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