# Nontrop RB 3 DIN E

Grease for propane, butane, natural and town gas valves and fittings acc. to DIN EN 377

## Your benefits at a glance

- Tested and approved by DVGW acc. to DIN EN 377 class D
- Very good and durable wetting of friction points
- Neutral towards copper and its alloys
- High thermal stability
- Neutral towards DIN EN 377 elastomers, e.g. SRE-NBR 1
- Contains solid lubricant to compensate for roughness peaks and areas subject to elevated load

## Your requirements - our solution

NONTROP RB 3 DIN E is a thermally stable lubricating, sliding and sealing agent based on mineral oil and thickened with a thermally very stable silicate and solid lubricant.

## Application

NONTROP RB 3 DIN E is used as lubricant, sliding and sealing agent in gas equipment of all categories including the additional fittings contained in them or intended to be fitted in them which can come into contact with fuel gases. Such fittings include ball, taper plug and other valves in cooking and heating installations, etc., with an operating temperature from 0 °C to 140 °C acc. to EN 377 that are used with fuel gases or gas mixtures such as natural or town gas as well as propane and butane as specified in DVGW worksheet G 260.

## Application notes

Carefully clean and degrease the friction points prior to initial lubrication. Then apply a thin and uniform layer of NONTROP RB 3 DIN E by means of brush, spatula or suitable metering system to all friction points of the component.

## Material safety data sheets

Material safety data sheets can be requested via our website www.klueber.com. You may also obtain them through your contact person at Klüber Lubrication.

| Pack sizes | NONTROP RB 3 DIN E |
|---|---|
| Can 1 kg | + |
| Bucket 25 kg | + |

| Characteristics | NONTROP RB 3 DIN E |
|---|---|
| Article number | 001045 |
| Composition, solid lubricant | silicate , solid lubricant |
| Composition, type of oil | mineral oil |
| Colour space | black |
| Texture | homogeneous |
| Service temperature, lower limit | -10 °C |

# Nontrop RB 3 DIN E

Grease for propane, butane, natural and town gas valves and fittings acc. to DIN EN 377

| Characteristics | NONTROP RB 3 DIN E |
|---|---|
| Service temperature, upper limit | 140 °C |
| Density, Klüber method: PN 024, 20°C | approx. 1.1 g/cm³ |
| Worked penetration, DIN ISO 2137 / ASTM D217, 25°C, lower limit | 230 0.1 mm |
| Worked penetration, DIN ISO 2137 / ASTM D217, 25°C, upper limit | 255 0.1 mm |
| Shear viscosity, Klüber method: PN 008@DIN 53019-1, equipment: rotational viscometer, 25°C, 300 $s^{-1}$, lower limit | 7500 mPas |
| Shear viscosity, Klüber method: PN 008@DIN 53019-1, equipment: rotational viscometer, 25°C, 300 $s^{-1}$, upper limit | 11500 mPas |
| Copper corrosion, DIN 51811, 24 h, 140°C | ≤ 2 - 140 - 24 corrosion degree |
| Oil separation, ASTM D6184, 30 h, 100°C | ≤ 1 % by weight |
| Dropping point, DIN ISO 2176 / IP 396 | ≥ 240 °C |
| Minimum shelf life from the date of manufacture - in a dry, frost-free place and in the unopened original container, approx. | 24 months |

## Klüber Lubrication – your global specialist

Innovative tribological solutions are our passion. Through personal contact and consultation, we help our customers to be successful worldwide, in all industries and markets. With our ambitious technical concepts and experienced, competent staff we have been fulfilling increasingly demanding requirements by manufacturing efficient high-performance lubricants for more than 90 years.

Klüber Lubrication München GmbH & Co. KG /
Geisenhausenerstraße 7 / 81379 München / Germany /
phone +49 89 7876-0 / fax +49 89 7876-333.