

# Klübersynth VR 69-252 N

Special lubricating grease for drinking water taps containing e.g. EPDM and/or NBR elastomers



## Your benefits at a glance

- Longer component life due to less friction and wear, especially in brass spindle valves.
- Prevention of stick-slip at high tightening torques and 500,000 load cycles.
- A lubricant for all components meeting all technical, design and chemical requirements, e.g. the BWGL-KTW (UBA- guideline) and the French ACS Guidelines.
- Cost-saving as lubricant can be applied by brush or using fully automatic mass application techniques.

## Your requirements - our solution

Klübersynth VR 69-252 N is a tailor-made, highly adhesive, light-colored lubricating grease based on fatty oil, calcium soap and PTFE. With a carefully selected combination of active substances, this lubricant offers very good performance and high functionality combined with a long service life. Klübersynth VR 69-252 N clearly surpasses the load alternation requirement of 200,000 cycles at a closing force of 2.5 Nm and is therefore in full compliance with the European standard DIN EN 200. Klübersynth VR 69-252 N meets the new drinking water and plastics guideline (KTW) of the German Umweltbundesamt (Federal Environmental Agency) and conforms to the current French positive list for drinking water applications ACS.

These benefits help meet all your requirements.

## Application

Klübersynth VR 69-252 N is used for the lubrication of all friction points in valves subject to mechanical loads and in some cases also for ceramic valves containing EPDM or NBR elastomers. Further applications are in locking and control valves such as plug or ball valves, flaps, slides or other valves, and in shower and heating valves and fittings. Klübersynth VR 69-252 N may normally also be used for the lubrication of seals whenever an EPDM-compatible grease is required that is approved for drinking water applications.

## Application notes

Klübersynth VR 69-252 N can be easily applied by means of brush, sponge, spatula, grease gun or other usual metering equipment.

## Material safety data sheets

Material safety data sheets can be requested via our website [www.klueber.com](http://www.klueber.com). You may also obtain them through your contact person at Klüber Lubrication.

Pack sizes	Klübersynth VR 69-252 N
Can 1 kg	+
Bucket 5 kg	+
Bucket 25 kg	+
Drum 180 kg	+

Characteristics	Klübersynth VR 69-252 N
Article number	012273
Colour space	beige

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Characteristics	Klübersynth VR 69-252 N
Service temperature, lower limit	-20 °C
Service temperature, upper limit	100 °C
NSF H1 registration number	152147
Density, Klüber method: PN 024, 20°C	approx. 0.97 g/cm <sup>3</sup>
Worked penetration, DIN ISO 2137 / ASTM D217, 25°C, lower limit	280 0.1 mm
Worked penetration, DIN ISO 2137 / ASTM D217, 25°C, upper limit	310 0.1 mm
Shear viscosity, Klüber method: PN 008@DIN 53019-1, equipment: rotational viscometer, 25°C, 300 s <sup>-1</sup> , lower limit	4000 mPas
Shear viscosity, Klüber method: PN 008@DIN 53019-1, equipment: rotational viscometer, 25°C, 300 s <sup>-1</sup> , upper limit	8000 mPas
Copper corrosion, DIN 51811, 24 h, 100°C	1 - 100 - 24 corrosion degree
Flow pressure, DIN 51805-2, -20°C	≤ 1400 mbar
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.

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