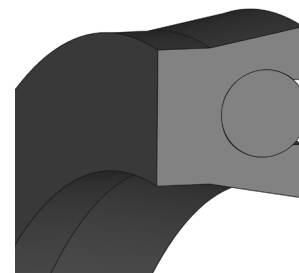


# NUPAC LOADED U-CUPS NOR221



Our Dichtomatik brand NuPac is a precision-molded seal combining a U-cup with an O-ring. Under zero and low pressure, the O-ring pressurizes the lips of the U-cup allowing it to properly seal. As system pressure increases, the O-ring is energized and forces the lips outward, changing its behavior from a squeeze-type seal to a traditional lip seal. The NuPac is suitable for temperatures between -40°F and 212°F (-40°C to 100°C) and pressures from zero to 6,000 PSI.

## ADVANTAGES

- O-ring energizes the sealing lips for low-pressure sealing
- 6,000 PSI maximum operating pressure
- Available in a variety of materials
- Interchangeable with other manufacturers loaded U-cups
- Offers very good performance as a piston or rod seal
- Great price-to-performance ratio

## SEAL HEIGHT

NOR221 NuPac height is designed equal to its cross-section, allowing it to fit into compact O-ring grooves

## LIP GEOMETRY

NOR221 NuPac designs can be used in either rod or piston applications, but most often are used in piston seal applications. Pressure trapping can occur when two beveled seals are used back-to-back in a double-acting cylinder. For double-acting piston applications, the straight lip geometry is a better choice to ensure long cylinder life.

## DIMENSIONS

The currently available dimensions can be found on our website [dichtomatik.fnst.com](http://dichtomatik.fnst.com) or on our online ordering platform **EASY**.

The information contained herein is believed to be reliable, but no representation, guarantees or warranties of any kind are made to its accuracy or suitability for any purpose. The information presented herein is based on laboratory testing and does not necessarily indicate end product performance. Full scale testing and end product performance are the responsibility of the user.

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Seal details	NOR221
Style	Standard
Seal height	Equal to the cross-section
Lip geometry	Straight

## AVAILABLE NUPAC STYLES

- NOR221 (Standard)
- NOR222 (Deep)
- NOR421 (Square B (SQB))
- NOR422 (B-Lip)

## MATERIALS

Dichtomatik NuPacs come standard with an NBR 70 durometer O-ring. NuPac materials available are listed below:

- Nitrile Butadiene Rubber (NBR)
- Thermoplastic Polyurethane (PU)
- Fluoroelastomer (FKM)
- Carboxylated Nitrile (XNBR)
- Hydrogenated Nitrile (HNBR)
- Polyester 55D (Dupont Hytrel®)

## APPLICATIONS

U-cups can be used in a wide variety of applications including water treatment, heavy engineering, filling equipment, agriculture, pipelines, oil and gas industries.