English

SEALING | SYSTEMS

INSTALLATION INSTRUCTIONS

Curaflex Nova® Gasket inserts

- Curaflex Nova® Uno
- Curaflex Nova® Uno/T
- Curaflex Nova® Uno/0
- Curaflex Nova® Uno/breit
- Curaflex Nova® Uno/breit/T

Curaflex Nova® Uno

Curaflex Nova® Uno/0

Curaflex Nova® Uno/T

Curaflex Nova® Uno/breit

Curaflex Nova® Uno/breit/T

Dear Customer,

Thank you for choosing a quality product from our range.
Please read this message and the included installation instructions in full before installing or processing our products and keep both in a safe place after installation.

Safety instructions:

- Our products may only be installed by persons with the necessary specialist knowledge.
- For your own protection and the protection of third parties, the work area and any necessary pipe trenches must be properly constructed and secured in accordance with the applicable regulations.
- When installing our sealing and fire protection systems, the recognised rules of technology, the relevant regulations of the employers' liability insurance associations, the VDE regulations and the applicable safety and accident regulations must be observed. Parts of the body may be crushed or other serious injuries may occur when tensioning or fixing the products in place.
- The safety data sheets must be observed.
- Check that the delivered product is complete (the scope of delivery is listed separately in the installation instructions) and check all individual parts for any damage. Only undamaged parts may be installed.
- Check that the product is suitable for its intended use using the installation instructions. If there are any particular demands, please clarify the use of the product with us in advance. Request our checklists for this purpose or download them from www.doyma.com.

Any liability on our part is excluded for misuse!

- Finally, please observe the instructions for the tools and equipment required for installation.

Industrial property rights:

- Our industrial property rights and those of third parties must be observed.

Disposal:

- Please observe the applicable regulations when disposing of components, accessories and packaging.

Terms and conditions of sale:

- The current version of our terms and conditions of sale and delivery shall prevail.

Curaflex Nova® Uno

Curaflex Nova® Uno/0

Curaflex Nova® Uno/T

Curaflex Nova® Uno/breit

Curaflex Nova® Uno/breit/T

Intended use

The gasket insert Curaflex Nova® Uno is especially suitable for the sealing of pipes/cables with a smooth surface in standard dimensions. The installation can be performed into WR concrete core bore holes and pipe sleeve.

Curaflex Nova® Uno/0: Permanent sealing of on-site pipe sleeves or WR concrete core bore holes. With removable sealing plugs and thus suitable for cable routing.
Curaflex Nova® Uno/breit: For sealing in double/element walls in WR concrete core boreholes.
Curaflex Nova® Uno/T and Uno/breit/T: Hinged, for the sealing of already installed cables.

Please note:

- Gasket inserts do not act as fixing points or support bearings, but rather serve exclusively to elastically seal pipes and cables.
- The nut side of the gasket insert should point to the non-water exposed side.
- Slight axial movements of the pipes and cables are allowed. Additionally, fixing brackets that can be screwed onto the frame ring are optionally available (accessories fixing kit). These additionally secure the gasket insert under higher pressures.
- Curaflex® Gasket inserts are maintenance-free. When properly installed, a re-tightening of the bolt is not necessary.
- The sealing of thin-walled and/or foamed plastic pipes must be checked. Please contact us if necessary.
- The relevant FHRK standard (minimum seal width) can be found on the product label.
- The applicable national regulations governing the laying and filling of pipes and cables must be observed.

Installation conditions

- Breakouts, cracks and/or cavities in waterproof concrete core bores should be smoothed in advance.
- Casings must be rigid enough to withstand the compressive forces from the gasket insert and must have a smooth, circular inner surface. If casings are damaged they must first be tested in advance for usability.
- The seal to the medium pipe/cable/cable ducts must be performed in a WR concrete core bore hole, or in an already installed pipe sleeve (the location of the gasket insert must be observed > see installation step 3).
- The media line (cable or pipe) to be sealed must be cleaned in advance and must not have any axial depressions or elevations in or around the sealing area.
- Compress the substrate and pipe substructure well before laying the pipe/cable, so that no sinking is possible.
- In addition to the usual standard tool, you also need the following tools and equipment in order to properly install the gasket insert:

Tools:
1 extension
1 hexagon socket
(size see installation steps)

Equipment:
Lubricant
Cleaning agent (solvent-free)
Calliper gauge
Cleaning cloth

Scope of delivery

- Curaflex Nova® Gasket insert
- 4 fixing brackets with screws (only for Curaflex Nova® Uno/breit and Curaflex Nova® Uno/breit/T)
- Installation instructions

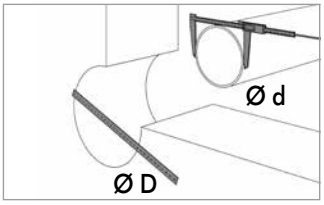
Accessories (optional)

4 fixing brackets with screws (only for Curaflex Nova® Uno/breit and Curaflex Nova® Uno/breit/T contained in the scope of delivery)
Product No.: 1 88 0 600 004 2 9
ITL nuts M6 (9 pieces)
Product No.: 1 88 0 600 009 0 0
ITL nuts M8 (12 pieces)
Product No.: 1 88 0 800 012 00
Aquagard primer (Curaflex® 1710), 1 liter for 4.0 sqm
Product No.: 1 99 0 710 000 0 0
Aquagard primer (Curaflex® 1711), 1/3 liters for 1.5 sqm
Product No.: 1 99 0 711 000 0 0
Aquagard special paint (Curaflex® 1715), 1 liters for 3.5 sqm
Product No.: 1 99 0 715 000 0 0
Aquagard special paint (Curaflex® 1716), 1/3 liters for 1.0 sqm
Product No.: 1 99 0 716 000 0 0

Installation steps

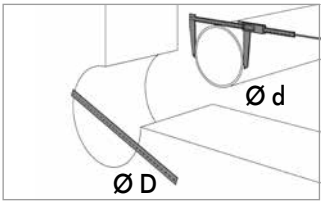
1: Take measurements

Curaflex Nova® Uno, Uno/T



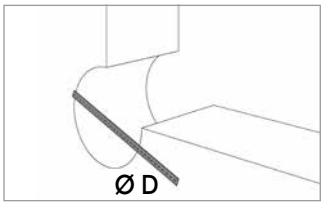
Determine the diameter of the core boring or pipe sleeve, and the media line and check it against the information on the carton.

Curaflex Nova® Uno/breit, Uno/breit/T



Determine the diameter of the core boring or pipe sleeve, and the media line and check it against the information on the carton.

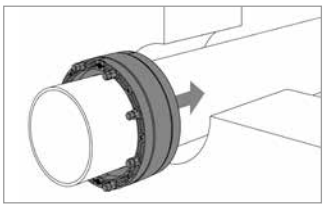
Curaflex Nova® Uno/0



Determine the diameter of the core boring or pipe sleeve, and check it against the information on the carton.

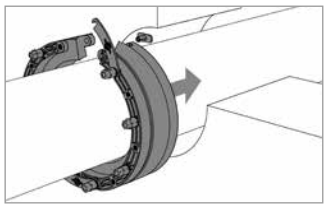
2: Installing the gasket insert

Curaflex Nova® Uno, Uno/breit



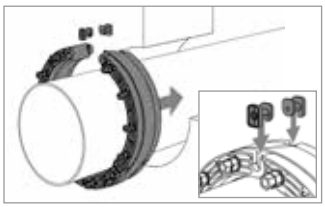
Slide the Curaflex Nova® Uno onto the media line and into the core boring/pipe sleeve ...

Curaflex Nova® Uno/T, Uno/breit/T DN80-DN250



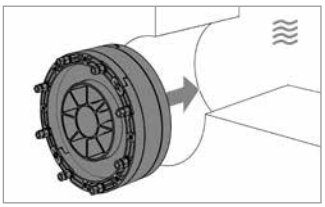
Open the quick release and pull out the adjacent pin. Route the gasket insert around the pipe, and close with the quick release. Reinsert the pin again. Insert gasket insert into core boring/pipe sleeve ...

Curaflex Nova® Uno/T, Uno/breit/T DN300



Pull out the opposite pin. Place the gasket insert around the cable and reinsert the pin. Attention: Observe the assembly position. Insert gasket insert into core boring/pipe sleeve ...

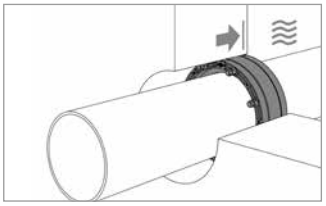
Curaflex Nova® Uno/0



Insert gasket insert into core boring/pipe sleeve insert the pipe ... The DOYMA logo of the cover must point to the water/ pressure side.

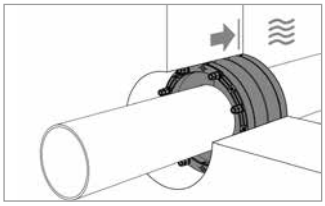
3a: Installation with WR concrete walls or pipe sleeves

Curaflex Nova® Uno, Uno/T



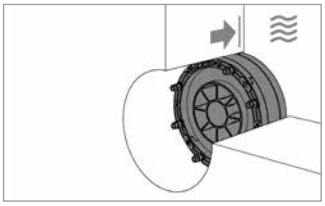
... until the gasket insert is approximately flush with the outer wall (water / pressure side).

Curaflex Nova® Uno/ breit, Uno/breit/T



... until the gasket insert is approximately flush with the outer wall (water / pressure side).

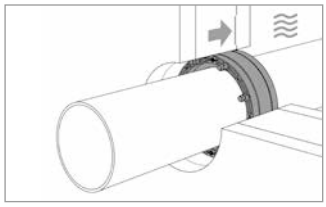
Curaflex Nova® Uno/0



... until the gasket insert is approximately flush with the outer wall (water / pressure side).

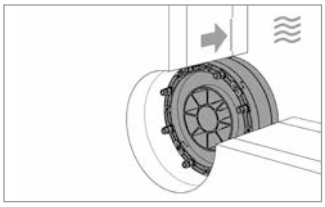
3b: Installation for double/element walls - sealing layer is the in-situ concrete (WR concrete)

Curaflex Nova® Uno, Uno/T

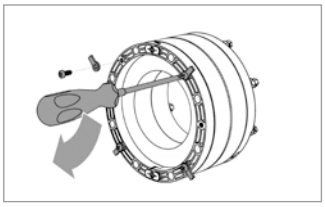


Position the gasket insert in the sealing layer of the wall. Should there be a lack of clarity with regard to the location of the sealing layer, the approach must be coordinated with the planner or the wall manufacturer. Alternatively, we recommend the use of the Curaflex Nova® Uno/breit or Uno/breit/T.

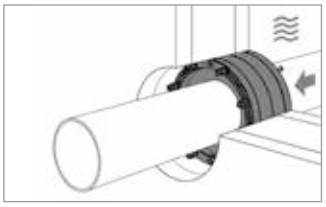
Curaflex Nova® Uno/0



Curaflex Nova® Uno/breit, Uno/breit/T



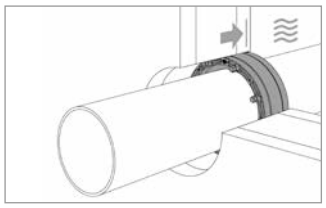
Unscrew the fixing brackets with a standard screwdriver on the frame ring (adjacent from the ITL nuts).



Push the gasket insert from the outside into the core boring/pipe sleeve, up to the stopper of the fixing brackets on the wall.

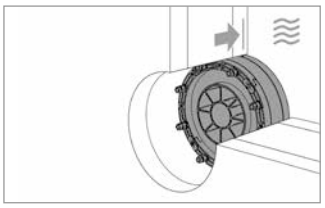
3c: Installation for double/element walls - sealing layer is the finished outer concrete shell

Curaflex Nova® Uno, Uno/T

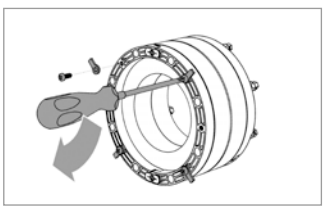


Position the gasket insert in the sealing layer of the wall. Should there be a lack of clarity with regard to the location of the sealing layer, the approach must be coordinated with the planner or the wall manufacturer. Alternatively, we recommend the use of the Curaflex Nova® Uno/breit or Uno/breit/T.

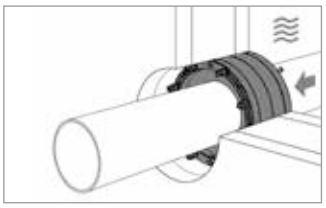
Curaflex Nova® Uno/0



Curaflex Nova® Uno/breit, Uno/breit/T



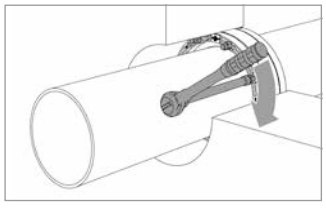
Unscrew the fixing brackets with a standard screwdriver on the frame ring (adjacent from the ITL nuts).



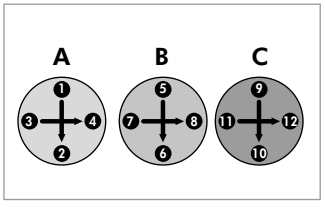
Push the gasket insert from the outside into the core boring/pipe sleeve, up to the stopper of the fixing brackets on the wall.

4: Final Assembly

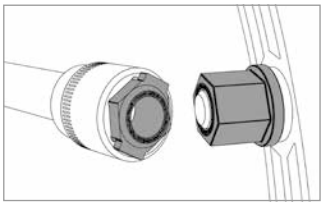
Curaflex Nova® Uno, Uno/T, Uno/0, Uno/breit, Uno/breit/T



For final assembly of the gasket insert, tighten the nuts (size 10 or size 13 for DN300).



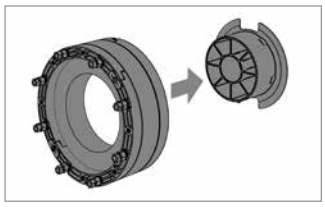
Thereby, proceed alternating: crisscross every few turns in at least 3 intervals (A>B>C).



Proceed until the upper nuts twist off (ITL principle: Integrated Torque limiter; no special tools necessary.)

5: Subsequent use of the Curaflex Nova® Uno/0 as Uno

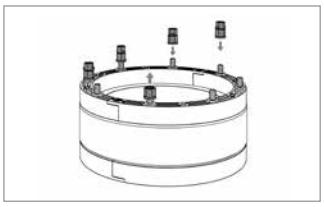
Curaflex Nova® Uno/0



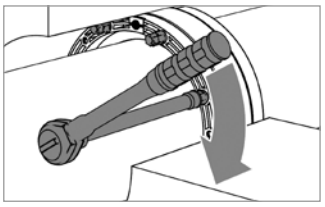
By removing the sealing plug, the Curaflex Nova® Uno/0 is also suitable for the sealing on media lines. For this purpose, steps 1 through 4 (Uno) must be followed again. For assembly, refer to "6 or 7".

6 or 7: Re-tighten gasket insert again (e.g. after disassembly)

Curaflex Nova® Uno, Uno/T, Uno/0



Alternately remove already separated nuts crosswise in several intervals. Use new nuts (optionally available), and continue the installation as described under 4, or ...

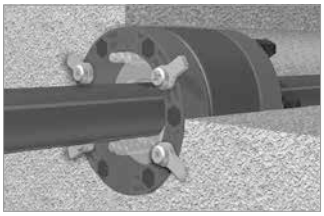


... Tightening of the remaining nuts (SW 11) alternately crosswise with 5 Nm torque, or alternatively (SW 14 for DN300) crosswise with 8 Nm torque.

ITL (Integrated Torque Limiter)

ITL automatically generates the optimal contact pressure for the secure sealing of the media line.

Optional: Fixing tabs



In case of higher pressure loading, fixing brackets can be screwed onto the frame ring, which is then an equivalent to the large ring solution.

Optional: Aquagard

Pre-cut reinforced steel must be protected against corrosion. The Aquagard coating seals the core boring wall and thus prevents the water from under-running the gasket insert.

- Curaflex Nova® Uno
- Curaflex Nova® Uno/T
- Curaflex Nova® Uno/0
- Curaflex Nova® Uno/breit
- Curaflex Nova® Uno/breit/T

DOYMA products are continuously being further developed. Technical changes will be performed without prior notice.
25 year warranty on all DOYMA products. **More information at www.doyma.de**

DOYMA GmbH & Co

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25 years guarantee

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