

Operating Instructions

Sheath turning sequence



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Vetter test sealing bags of the 1.5 bar series with bag types:

- ✓ PDK 10/20
- ✓ PDK 20/50
- ✓ PDK 50/80 and
- ✓ PDK 50/120

which are constructed with an expendable sheathing part and a rigid internal core made of PE.

Although the safety regulations of the civil engineering safety organisation and the operating instructions for Vetter pipe and test sealing bags specify a force fitted support system in every case, the core of the bag can be pushed out of the sheathing if incorrect or non-proper fitting has been carried out.

In most cases the ring sealing bag (sheath) will rotate, i.e. turn round.

The following information is designed to help you turn the ring sealing bag (sheath) and draw it onto the core.

Danger warning! Before work starts it is imperative that a check be made to ensure that the ring sealing bag (sheath) is free of any damage, e.g. tears, punctures or cuts etc., which could possibly cause the sheath to burst.



1. The rubber ring sealing bag (sheath) has turned inside out by less than half

Taking your own safety into consideration, slowly and carefully inflate the ring sealing bag (sheath) to a maximum of 1 bar. Normally the bag will then go back to its original position. Otherwise refer to Section 2.

2. The rubber ring sealing bag (sheath) has turned inside out by three-quarters

Insert pipe sealing bag (cylinder shaped) – depending of the type of bag – RDK 10/20, respectively RDK 20/40, into the upper area of the turned sheath and slowly and carefully inflate the RDK to a maximum of 1 bar. The sheath is also inflated to a maximum of 1 bar. The sheath then starts to turn inside out.

Warning! The core bag could suddenly catapult outwards.



If necessary, keep repeating this sequence until the sheath has completely turned inside out. Refer to Section 4 concerning drawing the sheath onto the core.



3. The rubber ring sealing bag (sheath) has fully turned inside out

Insert matching 1.5 bar pipe sealing bag

- ✓ sheath of the PDK 10/20 = RDK 7/15
- ✓ sheath of the PDK 20/50 = RDK 10/20
- ✓ sheath of the PDK 50/80 and
- ✓ PDK 50/120 = RDK 20/40

into the upper area of the sheath.

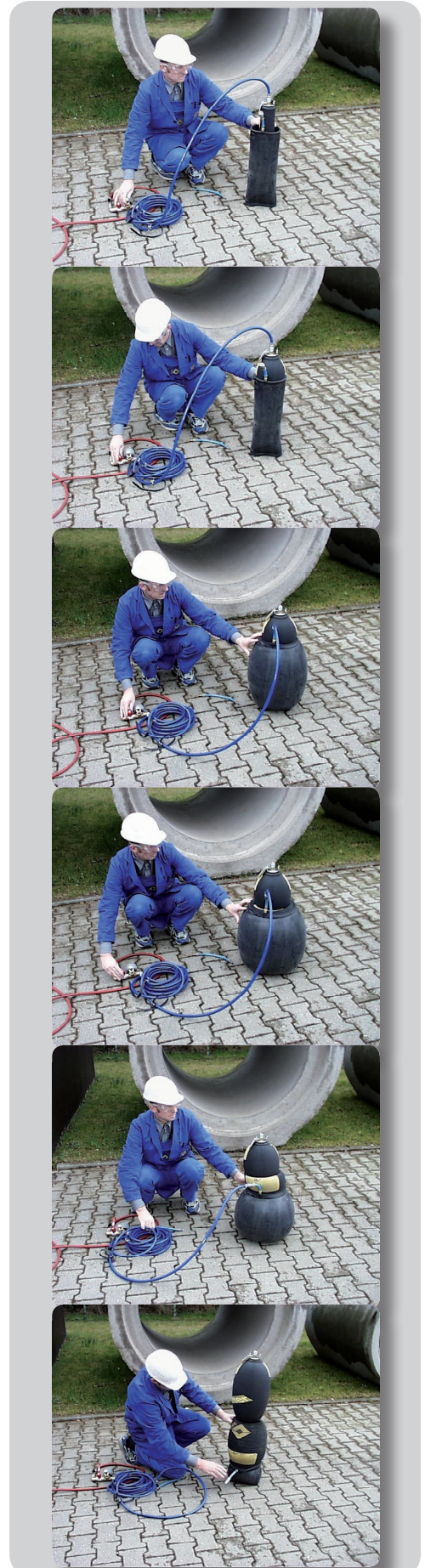
Slowly and carefully inflate the pipe sealing bag to a maximum of 1 bar.

Taking own safety into consideration, slowly and carefully inflate the sheath to a maximum of 1 bar (Remember: the pipe sealing bag could suddenly catapult outwards!).

The ring sealing bag (sheath) starts to turn inside out at the upper edge.

As long as the ring sealing bag (sheath) does not turn any further: firstly deflate the ring sealing bag (sheath) and then the pipe sealing bag. When this has been done, push the pipe sealing bag further into the ring sealing bag (sheath) and repeat the above sequence.

If necessary, repeat the above sequence a number of times.





If the ring sealing bag (sheath) has fully turned inside out then empty both bags and once again check for damage.

4. Drawing up the rubber ring sealing bag (sheath) onto the core

Before starting any work, the air must be completely released out of the ring sealing bag (sheath). Using a blunt assembly tool, expand the ring sealing bag (sheath) over the core so that it is able to be partly moved over the core. When doing this do not use any form of lubricant such as paste etc. In order to achieve easy pulling over, insert a blunt shaped air jet tool between sheath and core and create a film of air using a pressure of 6 – 7 bar. By using this film of air, the sheath can now be pulled to the final position without any difficulty.

Check for damage to the bag before any further operation. Only perfect and undamaged bags are permitted to be used.

In cases of any doubt please contact the manufacturer.

Place your trust in emergency pneumatics!

We are the company who can help you, find a solution to your problem!

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