




BRIEF INSTRUCTIONS FOR USE OF SAVA T-PACKERS

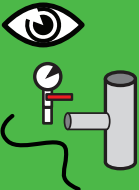
Step 1



PROCEDURE
Choose a suitable type and size of a SAVA packer.

WARNING
Always refer to the technical data tables and the required packer type for choosing a suitable SAVA packer.


Step 2



PROCEDURE
Check and prepare at the site of use and rehabilitation: air source, packer, controller, supply hoses.

WARNING
Thoroughly check the SAVA packer and other equipment before use. It is dangerous to use any damaged products or equipment. Such products or equipment should be replaced and removed from further use.


Step 3



PROCEDURE
Clean the pipe to be rehabilitated.

WARNING
Even the smallest sharp particles - due to not cleaning the pipeline properly - can permanently damage the SAVA packer.

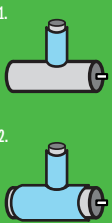
Step 4



PROCEDURE
Connect the air source and the controller to the SAVA packer and inflate it up to its basic position: cylindrically shaped but NOT elongated.

WARNING
Always use a controller of a suitable pressure rating for inflating the SAVA packer. The controller's safety valve should completely conform to the packer's working pressure.

Step 5



PROCEDURE
Place a dedicated PVC protection on the hat. Apply protective film on the supporting SAVA packer and the hat being already protected with the dedicated PVC protection.

WARNING
Protective film should be evenly applied across the entire surface of the packer and the hat. It is not recommendable to apply any grease on the packer as the packer might not be resistant to the applied grease!

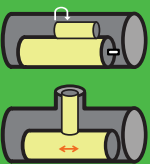
Step 6



PROCEDURE
Once protected, apply fibres with resin on the SAVA packer and the hat.

WARNING
Comply with the instructions on use of resins for pipeline rehabilitation.

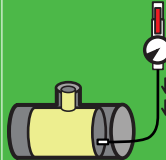
Step 7



PROCEDURE
Insert the SAVA packer in the pipe. Prior to the insertion, bend the hat in the opposite direction. Fine position the SAVA packer next to the lateral connection.

WARNING
When inserting the SAVA packer, make sure that its resin-coated surface does not drag across the pipe. Place the SAVA packer horizontally in the middle of the pipe cross-section. Observe the instructions for insertion stated below.

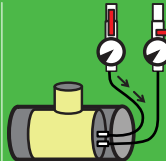
Step 8



PROCEDURE
Inflate the supporting SAVA packer up to its required pressure.

WARNING
Personnel are prohibited from entering the SAVA packer area when the packer is pressurized! Never exceed the nominal working pressure of the SAVA packer.

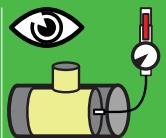
Step 9



PROCEDURE
Inflate the hat up to the required pressure.

WARNING
Personnel are prohibited from entering the SAVA packer area when the packer is pressurized! Never exceed the nominal working pressure of the SAVA hat.

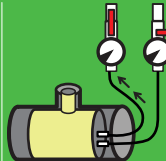
Step 10



PROCEDURE
Continually check the pressure in the supporting SAVA packer and the related hat.

WARNING
If noticing a pressure change, adjust the pressure in the SAVA packer or hat to the required value, however, never exceed the specified working pressure.

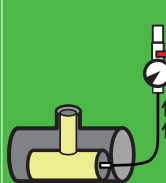
Step 11



PROCEDURE
When the work is finished, release the pressure in the hat.

WARNING
If the SAVA hat packer is not properly protected, it can stick to the hardened resin during rehabilitation. If forcibly removed from the pipe, the product can get damaged.


Step 12



PROCEDURE
Release the pressure in the supporting packer and remove it from the pipe.

WARNING
Do not deflate the supporting SAVA packer until the air is completely vented from the hat. Before emptying the supporting SAVA packer, release the back pressure if any. If the supporting SAVA packer is not properly protected, it can stick to the hardened resin during rehabilitation. If forcibly removed from the pipe, the product can get damaged. Do not remove the supporting SAVA packer until the air is completely vented from the packer.

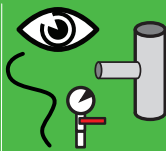
Step 13



PROCEDURE
Clean and store the deflated SUPPORTING SAVA packer with the related hat and other equipment after use. Comply with the instructions.

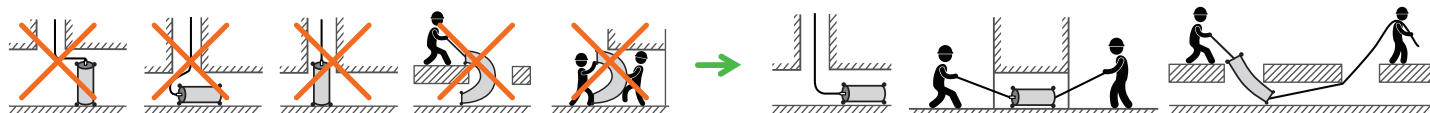
WARNING
Comply with the instructions for cleaning and storing of SAVA packers.

Step 14



PROCEDURE
Thoroughly check the supporting SAVA packer with the related hat and the rest of the equipment.

WARNING
Damaged products or equipment should be replaced and removed from further use.





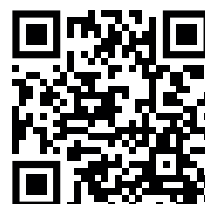
BRIEF INSTRUCTIONS FOR USE OF SAVA T-PACKERS



Non-compliance with the instructions for use can result in various injuries. Before using the product please read also full-text instructions for use as published at:



www.savatech.eu/environmental-protection-and-rescue/manuals



www.savatech.com/manuals



PERSONAL PROTECTIVE EQUIPMENT:

When operating the SAVA packers, always wear the proper personal protective equipment such as protective clothing, helmet, goggles gloves, footwear and ear protection.



WARNINGS:

Application temperature range: from -20 to +80 °C. The use of the product at temperatures below -20 °C, but not below -40 °C, is limited to 1 hour at the most, and at temperatures exceeding +80 °C to 30 minutes, however, the temperature may not exceed 100 °C.



The standard version of SAVA packers is **NOT** suitable for use in potentially explosive environments.



Open flame and smoking are forbidden when operating the SAVA packers.

CHOOSING A SUITABLE SAVA PACKER:

Refer to the technical data tables as well as product labels for choosing a suitable SAVA packer.



SAVA packers are not resistant to all types of chemicals. Please refer to the resistance table for rubber materials or consult the manufacturer on product properties.

