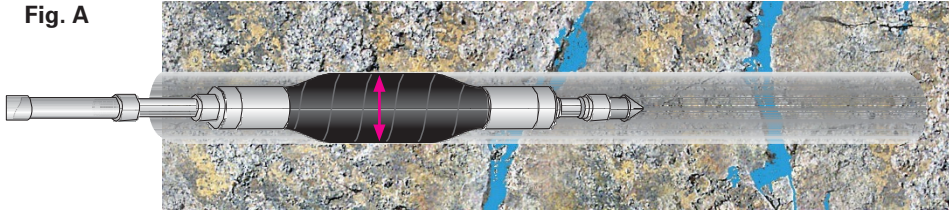


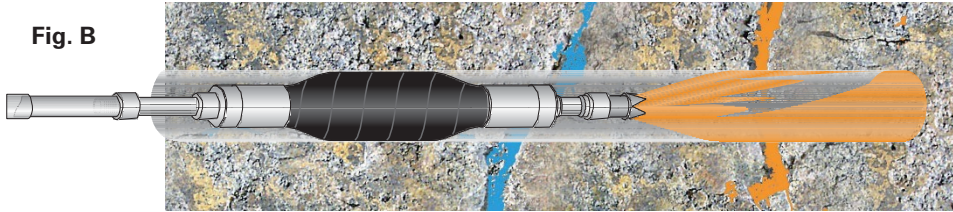
Inflatable single-use packers

Fig. A



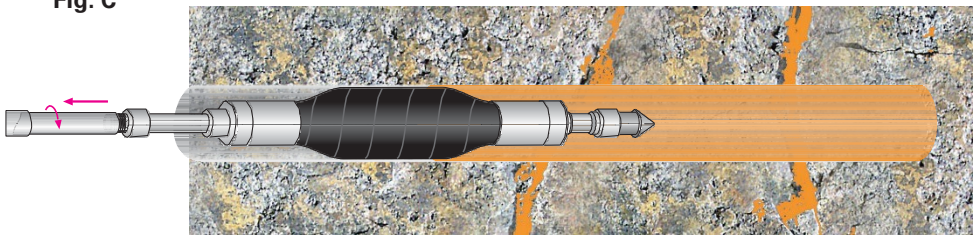
The pop-off valve (membrane) closes the passage and the rubber hose is expanded by the increased pressure so that it is pressed against the rock.

Fig. B



When the pop-off valve is cracked, grout is pumped into the borehole and the fracture system.

Fig. C

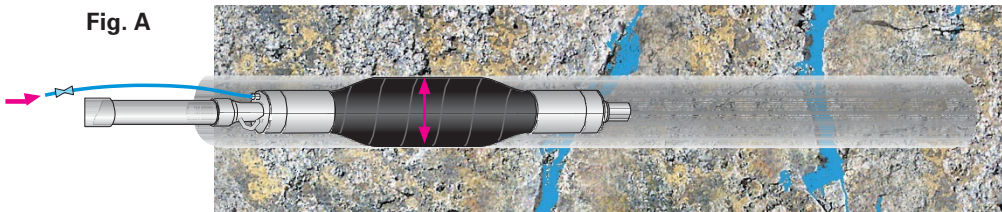


After finished grouting, the non-return valve in the front closes automatically and prevents injection material from being pushed backwards.

The injection pipe is removed for cleaning and reuse and the packer is left in the borehole

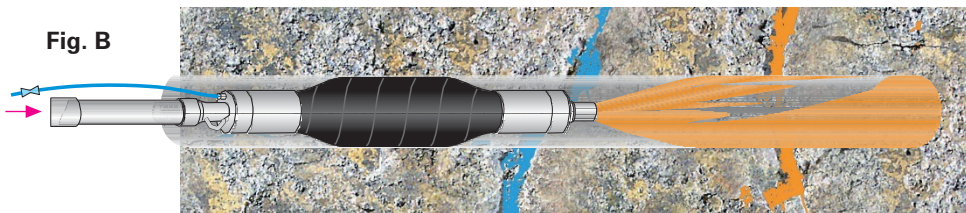
Inflatable reusable packer

Fig. A



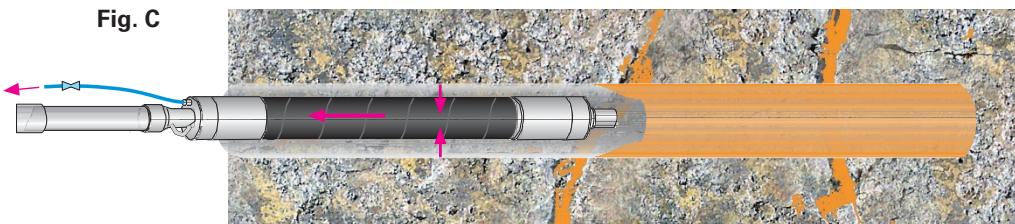
The rubber hose is expanded with expansion medium (preferably water) so that it is pressed firmly against the rock. The valve on the expansion hose closes.

Fig. B



The grout is pumped through the injection pipe and fills the borehole and fracture system.

Fig. C



After grouting is finished and the grouting material has stabilized/hardened, the valve on the expansion hose is opened and the rubber hose on the packer returns to its rest position..

The packer can then be removed, cleaned and reused.