

The injection packer is a steel packer used for injection of special chemicals into a building or other constructions for the purpose of sealing, waterproofing, penetration, impregnation, bonding and consolidation of the structure.

## PACKER INSTALLATION

The packer is put into the borehole into the minimal depth, so that the sealing rubber area of the packer is completely introduced in the borehole. By means of a box wrench or socket wrench we tighten the rubber seal of the packer in a clockwise direction over the nut, so that the packer stays firmly in the borehole during injection.

## PACKER CONNECTION

The packer is connected to the hose of the grouting device by means of a coupler. According to norm DIN 1283 or by means of the hook-on-coupler according to the type of the nipple (ball-head, flat-head).

## MATERIAL

The metal parts are made of steel with a galvanic surface finishing according to norms DIN 71 412. The rubber seal is made of a vulcanized technical compact rubber according to norms DIN 78 078, ISO 4632/1. Stop valves are made of steel with the galvanic surface finishing according to norms DIN 71 412.

## SAFETY AND HEALTH PRECAUTIONS

Materials used are for the given purpose non-toxic and not damaging to one's health.

## TYPES OF PACKERS AND TECHNICAL DATA

	Ø of rubber seal (mm)	Length of packer (mm)	Inside diameter of packer (mm)	Inside diameter of nipple (mm)	Type of nipple	Maximum pressure (bar)	Min. pressure for nipple opening (bar)	Ø of borehole for packer mounting (mm)	
10/70-M-5	10	70	1,7	1,5	Ball head	150	From 25	10	
10/90-M-5		90							
10/100-M-5		100							
10/70-M-6		70	2						
10/90-M-6		90							
10/100-M-6		100							
12/70-M-6	70								
12/100-M-6	100								
13/70-M-6	13	70							
13/90-M-6		90							
13/100-M-6		100							
13/150-M-6		150							
13/160-M-6		160							
13/170-M-6		170							
13/250-M-6	14	250	2			200		350	16
13/350-M-6		350							
13/500-M-6		500							
14/100-M-6		100							
14/100-M-8		100		3,6					
16/100-M-6		16		100	2		200		
17/100-M-8	17	100	3,6	350	17				
17/200-M-8		200							
10/70-M-5 DG	10	70	1,7	1,5	Ball head	150	From 25	10	
10/100-M-5 DG		100							
13/70-M-6 DG	13	70	2			200		14	
13/90-M-6 DG		90							
13/150-M-6 DG		150							
12/100-M-6 VK	12	100	2			1,5		Ball head	200
13/100-M-6 VK	13	100		14					
14/100-M-6 VK	14	100		14					

## TYPES OF PACKERS AND TECHNICAL DATA

	Ø of rubber seal (mm)	Length of packer (mm)	Inside diameter of packer (mm)	Inside diameter of nipple (mm)	Type of nipple	Maximum pressure (bar)	Min. pressure for nipple opening (bar)	Ø of borehole for packer mounting (mm)							
10/90-M-5 DV	10	90	1,7	1,5	Ball head	150	From 25	10							
10/100-M-5 DV		100													
10/100-M-6 DV		100													
12/100-M-6 DV	12	100	2			200		200	From 25	12					
13/100-M-6 DV	13	100	2							14					
13/170-M-6 DV		170													
13/250-M-6 DV		250													
13/350-M-6 DV		350													
13/500-M-6 DV		500													
14/100-M-6 DV	14	100	3,1							Flat head	200	From 25	14		
16/100-M-6 DV	16	100													
12/100-M-6 PMh	12	100												2	3,1
13/70-M-6 PMh	13	70													
13/90-M-6 PMh		90													
13/100-M-6 PMh		100													
13/170-M-6 PMh		170													
13/250-M-6 PMh		250													
13/350-M-6 PMh		350													
13/500-M-6 PMh		500													
14/100-M-6 PMh	14	100		3,6	18										
14/100-M-8 PMh		100													
17/100-M-6 PMh	17	100	2												
17/200-M-8 PMh		200	3,6												
10/100-M-6 mPMk	10	100	2	1,5		Small flat head	200	From 10	10						
12/100-M-6 mPMk	12	100							12						
13/100-M-6 mPMk	13	100							14						
14/100-M-6 mPMk	14	100							16						
16/100-M-6 mPMk	16	100							14						
14/100-M-8 mPMk	14	100							8	18					
17/100-M-8 mPMk	17	100	2	1,5		Small flat head	150	From 10	10						
10/100-M-5 DV mPMk	10	100							1,7	1,5					
13/100-M-6 DV mPMk	13	100			2				3,1	Flat head	200	From 25	14		
13/100-M-6 DV PMh		100													

In addition to these standard types of packers, we can supply the packers Ø 12,13,14,16 mm in the length up to 500 mm, as well. The packers could be equipped with the ball-head nipple "M", the flat-head nipple "PMh" or a small flat-head nipple "mPMk". The packers marked as "DV" are packers with double-valve, which enables to dismount the packer immediately after the grouting. The packers marked as "DG" are equipped by the double-rubber. Packers marked as "VK" are packers with a loose ball in the nipple of the packer.