

BECK®

Kanal- und Schachtgeräte
Schachtregulierungen

Pipe stoppers
Pipe test equipment
Bracing kit



Blocking, testing or
relocating in pipes
and shafts



Overview

- Our pipe stoppers are the perfected result of practical and targeted research and development as well as many years of experience in the production and application of our special products.
- Our own rubber production facility permits outstanding flexibility and, apart from our standard range of products, we are able to realize individual requests of our customers on a quick and reliable way.
- Our equipment is subject to a regular quality improvement offering to the user the greatest possible functionality and safety.
- Our pipe stoppers and pipe test equipment are characterised by
 - simple, safe and fast application
 - uniform operating pressure of 1.5 bar
 - achievement of the max. size with approx. 0.8 bar
 - optimal sealing characteristics based on large area contact on the pipe wall and patented rubber technique
 - excellent static friction of all types of pipes and shafts due to the special structure of the rubber surface
 - low equipment requirement for greater nominal width ranges
 - a closing capability of up to nominal width ranges of 85 to 1200 mm with only 3 sizes of equipment
 - extensive variety and safety thanks to the extremely elastic rubber sheath.

Application example during a waterproof test according to DIN EN 1610 :

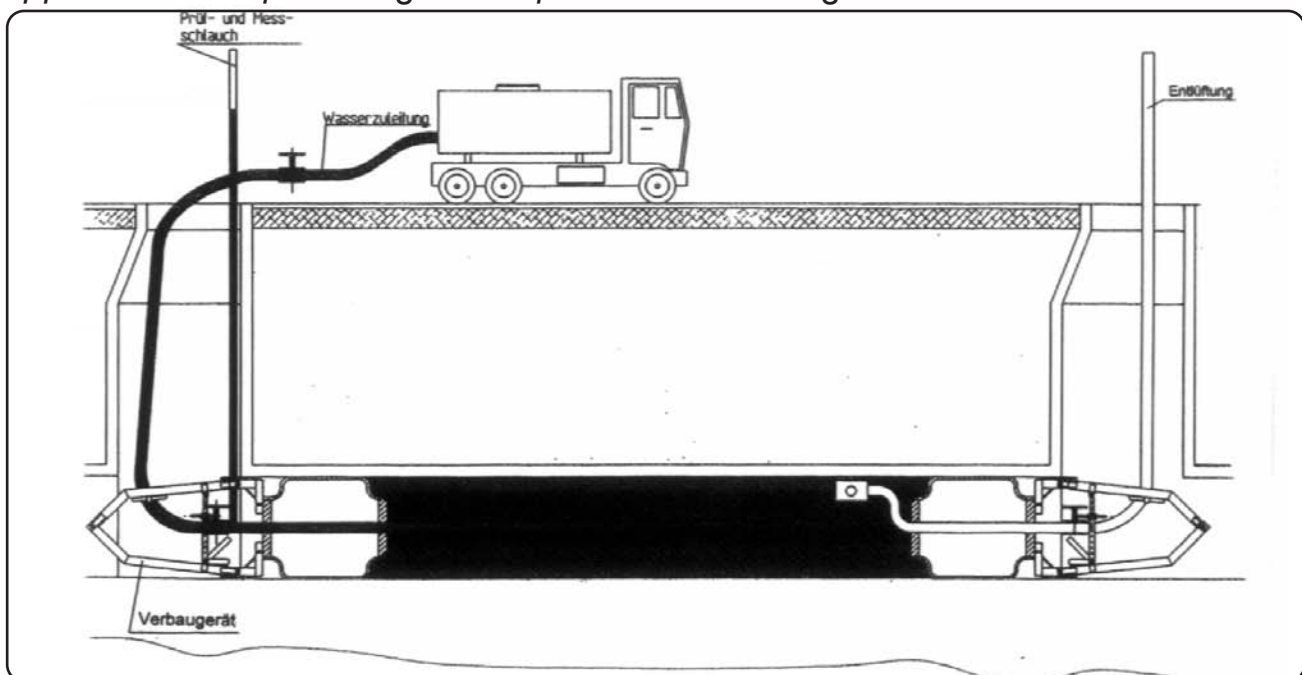


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Subjects to change - measures, weights and photos not binding!

Pipe stoppers 1,5 bar (protected by law)



Type RV for blocking without bypass

Nominal size:	Device Ø:	Length:	Weight:	Article no.:
85-250 mm	85 mm	510 mm	1,9 kg	RV/008-025
200-400 mm	170 mm	620 mm	4,8 kg	RV/020-040
200-500 mm	170 mm	820 mm	5,4 kg	RV/020-050
400-700 mm	380 mm	900 mm	22 kg	RV/040-070
400-1000 mm	380 mm	1200 mm	26 kg	RV/040-100
600-1200 mm	540 mm	1300 mm	44 kg	RV/060-120

Air connection: *Euro-single-hand coupling (German Standard)*



Type RVD with 1" or 2" bypass for testing, by-passing and blocking

Nominal size:	Device Ø:	Length:	Weight:	Bypass Ø:	Article no.:
85-250 mm	85 mm	510 mm	3,0 kg	1"	RVD/008-025
200-400 mm	170 mm	620 mm	8,5 kg	2"	RVD/020-040
200-500 mm	170 mm	820 mm	9,8 kg	2"	RVD/020-050
400-700 mm	380 mm	900 mm	24 kg	2"	RVD/040-070
400-1000 mm	380 mm	1200 mm	28 kg	2"	RVD/040-100
600-1200 mm	540 mm	1300 mm	46 kg	2"	RVD/060-120

Air connection: *Euro-single-hand coupling (German Standard)*

Device for 1" bypass: *2 x GEKA coupling and 1 x blind coupling*

Device for 2" bypass: *2 x Storz-C coupling and 1 x blind coupling*



Type RV-KU for blocking without bypass

Nominal size:	Device Ø:	Length:	Weight:	Article no.:
100-200 mm	90 mm	280 mm	1,9 kg	RV-KU/010-020
150-300 mm	120 mm	320 mm	3,5 kg	RV-KU/015-030

Air connection: *Euro-single-hand coupling (German Standard)*



Type RVD-KU with 1" or 2" bypass for testing, by-passing and blocking

Nominal size:	Device Ø:	Length:	weight:	Bypass Ø:	Article no.:
100-200 mm	90 mm	280 mm	1,9 kg	1"	RVD-KU/010-020
150-300 mm	120 mm	320 mm	3,5 kg	2"	RVD-KU/015-030

Air connection: *Euro-single-hand coupling (German Standard)*

Device for 1" bypass: *2 x GEKA coupling and 1 x blind coupling*

Device for 2" bypass: *2 x Storz-C coupling and 1 x blind coupling*



Shaft and pipe stoppers (protected by law)



*...which really seals
 in drainage shafts, rainwater drains and pipes*

Application:

For blocking, bypassing, testing wherever foreign particles or unwanted liquids must or should be stopped from entering the pipe network (e.g. in the event of accidents involving oil and / or chemicals, fire extinguishing activities etc.).

Characteristics:

- High-grade, extremely elastic natural rubber with fabric reinforcement
- Extraordinary sealing capability due to special rubber folding (protected by law)
- Dimensional range, round or oval, from Ø 300 - 650 mm and from Ø 500 - 1200 mm, in each case only one type
- Can be stored in any vehicle without taking up too much space.

Type SRV for blocking without bypass

Nominal size:	Device Ø:	Length:	Weight:	Article no.:
300-650 mm	270 mm	600 mm	12 kg	SRV/030-065

Air connection: *Euro-single-hand coupling (German Standard)*



**Type SRV-D with 2" bypass
 for testing, by-passing and blocking**

Nominal size:	Device Ø:	Length:	Weight:	Bypass Ø:	Article no.:
300-650 mm	270 mm	600 mm	15 kg	2"	SRV-D/030-065
500-1200 mm	460 mm	1070 mm	44 kg	2"	SRV-D/040-120

Air connection: *Euro-single-hand coupling (German Standard)*
Device for 2" bypass: *2 x Storz-C coupling and 1 x blind coupling*



Shaffttest device (protected by law)

With integrated displacement safeguard for water, air and vacuum testing according to DIN EN 1610



BECK's shaft test equipment offers you the simple and thought-out solution for sealing tests of drainage shafts with an internal diameter of 580 - 700 mm with 1.5 bar operating pressure.

- low weight
- safe and simple handling
- with displacement safeguard (arrester) via 3 threaded spindles
- optimal sealing characteristics and strong static friction due to vulcanised special rubber coating
- 2 control passages for monitoring the pipe stoppers (see illustration at bottom)



Device features:

- Pressure relief valve 1,5 bar
- Euro-single-hand coupling air connection
- 3-point suspension and adjustment device
- Displacement safeguard
- 2 bypasses, 1" GEKA coupling and 2" Storz-C coupling
- 2 connections with Euro-single-hand coupling for pipe stopper checks

Article no.:

SPG/058-070

Weight:

ca. 23 kg

Height:

ca. 250 mm

Outside Ø:

ca. 560 mm

Can be purged up to:

ca. 700 mm

Operating and installation instructions

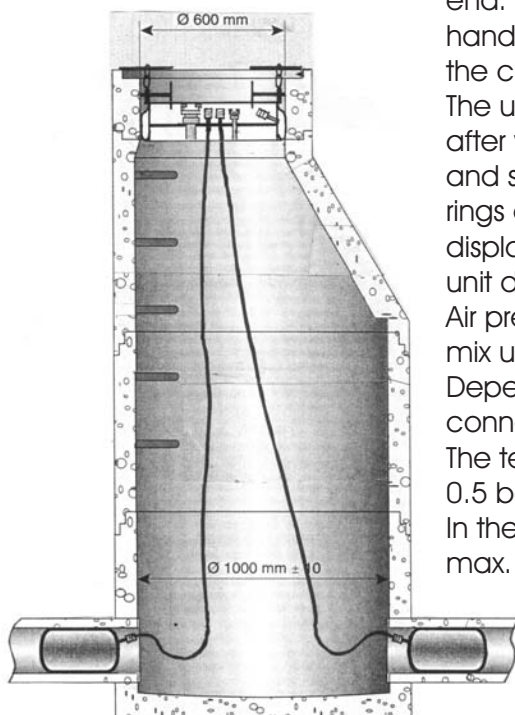
The shaft test equipment should be connected to the upper tapered end. The device is lowered to the required depth by means of handles on the chains. By inserting the two circular steel bars through the chain links, the unit can be secured at the desired height. The unit is then filled lightly with air to ensure even, all-round seating, after which the three threaded spindles are screwed into the shaft rim and securely tightened (if possible into a joint of the compensating rings or under the shaft frame). These screw connections serve as a displacement safeguard during testing by ensuring that the shaft test unit does not change its position.

Air pressure of 1.5 bar is now introduced into the shaft test unit (do not mix up with the test pressure in the shaft of e.g. 0.2 bar!).

Depending on the type of test, the respective fittings can now be connected.

The test pressures in the shaft are recorded at overpressures of max. 0.5 bar for water or max. 0.2 bar for air or 200 millibar.

In the case of vacuum testing this is carried out with a vacuum of max. 0.2 bar or 200 millibar.



Accessories



Slide-in rollers
 for pipe stoppers from NW 400

Article no.:
 RV-ZU/08



Pressure relief valve, 1,5 bar
 best ordered at the same time!
 will then be fitted at the factory

Article no.:
 RV-ZU/09



Safety control unit, 1,5 bar
 for safe filling and ventilating of pipe stoppers
 at 1,5 bar operating pressure

Article no.:
 RV-ZU/10



Air supply hose
 10 m long, NW 6mm
 with Euro-single-hand coupling and nipple

Article no.:
 RV-ZU/11



**Adapter
 Tyre valve / Euro-nipple**
 for pumping up with a foot pump

Article no.:
 RV-ZU/12



Double piston foot pump

Article no.:
 RV-ZU/13



Plastic rope
 8 m long with spring hooks
 for securing and stopping

Article no.:
 RV-ZU/14



Ball cock 1"
 with GEKA coupling on both sides

Article no.:
 RV-ZU/15



Ball cock 2"
 with Storz-C coupling on both sides

Article no.:
 RV-ZU/16



**Floating ventilation hose
 with 1" GEKA coupling**
 for ventilating during the water testing

Article no.:
 RV-ZU/171



**Floating ventilation hose
 with 2" Storz-C coupling**
 for ventilating during the water testing

Article no.:
 RV-ZU/172



Test and measuring hose
 6m long, transparent
 with lockable GEKA coupling
 required for water testing

Article no.:
 RV-ZU/18



Connecting piece
 Storz-C on GEKA coupling

Article no.:
 RV-ZU/19



Connecting piece
 Storz-C on Euro-single-hand coupling

Article no.:
 RV-ZU/20



Connecting piece
 GEKA coupling on
 Euro-single-hand coupling

Article no.:
 RV-ZU/21



Pressure reducer 0,5 - 3 bar
 Inlet = compressor claw coupling
 Outlet = Euro-single-hand coupling

Article no.:
 RV-ZU/24



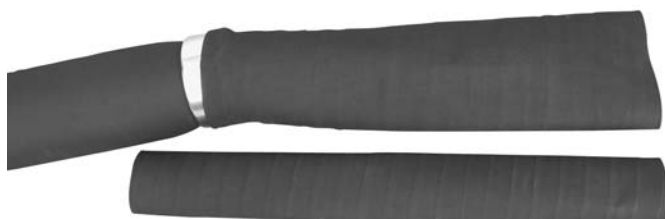
T-piece 1"
 with 3 x GEKA coupling
 for water testing

Article no.:
 RV-ZU/25



T-piece 2"
 with 2 x Storz-C coupling and
 1 x GEKA coupling for water testing

Article no.:
 RV-ZU/26



Special rubber sheath

for optimal sealing as well as protection for all pipe stoppers, available in various size and length!

Please ask for details!

Bracing kit (protected by law)

According to the accident prevention regulations, it is mandatory to support pipe stoppers and pipe test equipment.

Our Bracing kit with additional ties means S A F E T Y!

They are characterised by :

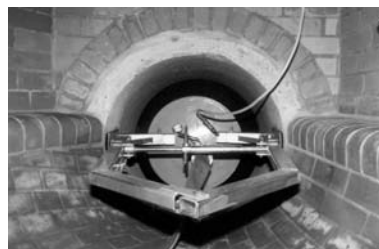
- ▶ its simple and practice-related handling characteristics
- ▶ the infinite adaptation capability of the individual units to the drainage pipe diameter
- ▶ reliable installation, even on smooth and slippery pipes.

The equipment combination "Bracing kit with additional ties" permits:

- ▶ an increase in the load capacity of drainage pipes from \varnothing 300 mm
- ▶ load acceptance of up to approx. 5000 kg for pipes up to NW 1000 mm

BECKS's Bracing kit and additional ties can be installed quickly and as often as required.

Specially developed to meet the demands of "TIG Safety instructions for working with provisional pipe blocking devices" and "GUV 17.6". In the "Instructions for performing safety measures in pipes" you can read that "frictionally engaged blocking / shut-off devices, e.g. plungers, pipe bubbles or other pneumatic pipe stoppers, are additionally and positively protected against movement".



Bracing kit

Nominal size:	Length:	x Width:	Weight:	Article no.:
100-150 mm	350 mm	75 mm	2,5 kg	VG/010-015
200-250 mm	400 mm	90 mm	3,0 kg	VG/020-025
300-400 mm	780 mm	280 mm	13 kg	VG/030-040
400-600 mm	900 mm	370 mm	14 kg	VG/040-060
600-1000 mm	1050 mm	570 mm	25 kg	VG/060-100
800-1200 mm	1250 mm	570 mm	28 kg	VG/080-120



Additional ties for bracing kit

Nominal size:	Length:	x Width	x Height:	Weight:	Article no.:
300-600 mm Extensible to	830 mm 1270 mm	230 mm	420 mm	13 kg	VG-ST/030-060
600-1000 mm Extensible to	830 mm 1250 mm	230 mm	420 mm	14 kg	VG-ST/060-100

Other BECK® products:

- *Manhole cover lifting equipment*
- *Shaft safety gratings*
- *Anti-clatter rings*
- *Anti-clatter inserts from the bag*
- *Shaft frame lifting equipment*
- *Shaft shuttering and blocking panels*
- *Shaft sealing mortar "EBRALIT"*
- *Shaft sealing bubbles*
- *Pipe rehabilitation packers*

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