LK Installation Cabinet 350 and 350 XL

Design

- These installation instructions apply to LK Installation Cabinet 350 and LK Installation Cabinet 350 XL.

LK Installation Cabinet 350

- Use this cabinet to conceal the LK MicroShunt or LK Mini Loop Valve RTB. The cabinet must be fitted with a frame/hatch.

LK Installation Cabinet 350 XL

- Use this cabinet to conceal the LK MicroShunt or LK Mini Loop Valve RTB with electronic room control. The cabinet must be fitted with a frame/hatch.

Type approval

The cabinets have been tested in accordance with SP Method 5676 and are type-approved by RISE.

RI. SE KONTROLL
TG nr: C901070 1002

Safe Water Installation

Install the product in accordance with the Swedish industry regulations for Safe Water Installation Refer to www.sakervatten.se.

Accepterad monteringsanvisning 2026:1

NOTE!
Read the complete manual before you start the installation.



LK Installation Cabinet 350.



LK Installation Cabinet 350 XL.

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Additional products

LK Frame/hatch GV INB (1)

Use the LK Frame/hatch GV INB when LK Installation Cabinet 350 or LK Installation Cabinet 350 XL is installed in a wall. The frame has an overlapping edge that covers the opening around the cabinet. A wallboard with a minimum thickness of 13 mm is necessary in front of the cabinet to install the frame. Do not install this product in rooms with a waterproofing layer on the wall. The hatch is supplied with a screwdriver latch. A key latch is available as an accessory.

LK Frame/hatch GV UTV (2)

Use the LK Frame/hatch GV INB when LK Installation Cabinet 350 or LK Installation Cabinet 350 XL is installed in a wall. The frame has an overlapping edge that covers the opening around the cabinet. The hatch is supplied with a screwdriver latch. A key latch is available as an accessory.

LK Base GV (3)

Use the LK Base GV with the LK Frame/hatch GV UTV to conceal the pipe installation between the cabinet and the floor. The height of the LK Base can be adjusted between 231 and 291 mm.

LK Wet Zone Hatch PRESEAL (4)

In rooms with a waterproofing layer on the wall, install the LK Wet Zone Hatch PRESEAL on LK Installation Cabinet 350 or LK Installation Cabinet 350 XL. Connect the LK Wet Zone Hatch PRESEAL to the waterproofing layer on the wall. Do not position the service opening (wet zone hatch) in an area intended for a bath or shower. This product requires additional space inside the wall. For more information, refer to the separate product range information and assembly instructions for LK Wet Zone Hatch PRESEAL.



1. LK Frame/hatch GV INB



2. LK Frame/hatch GV UTV (2)

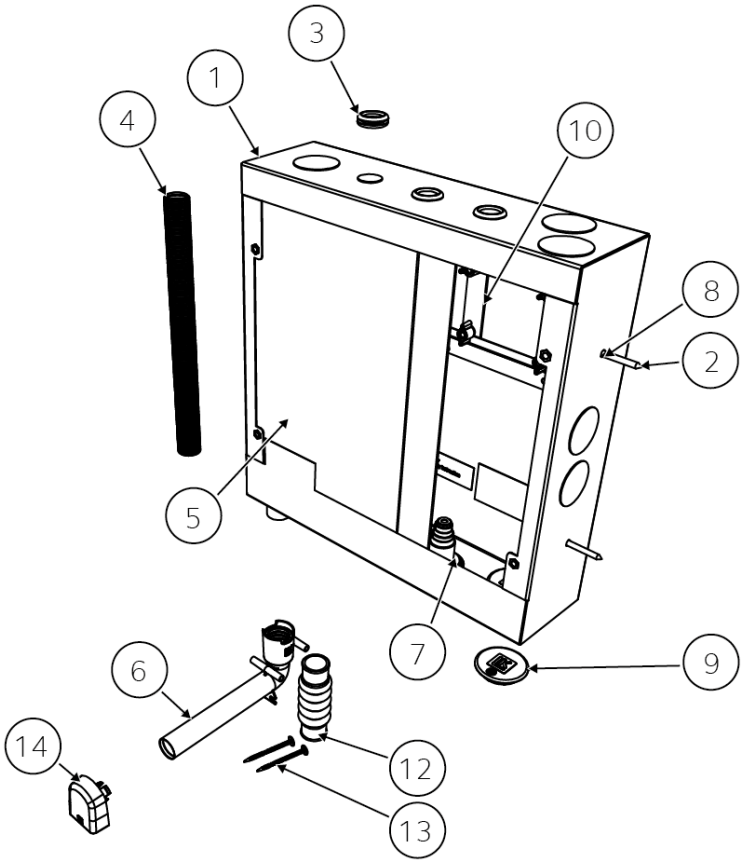


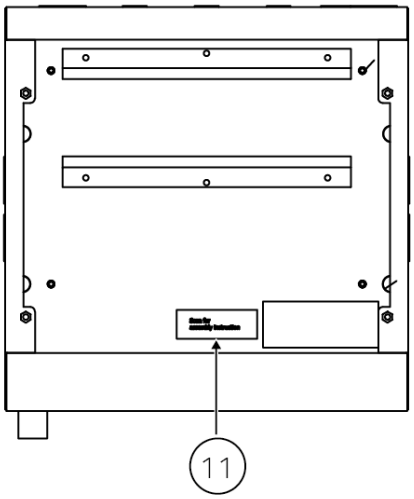
3. LK Base GV (3)



4. LK Wet Zone Hatch PRESEAL

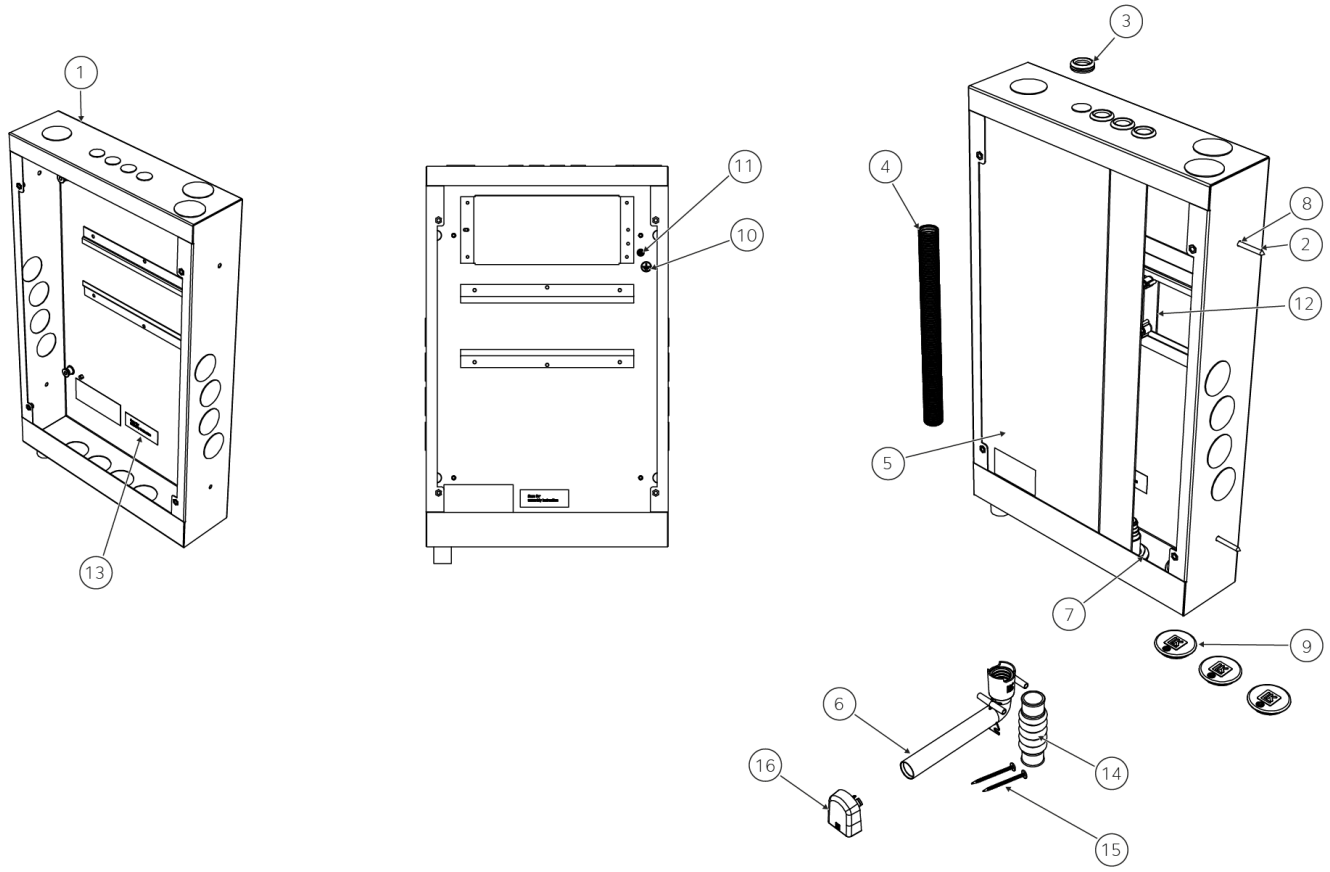
Supplied with the product – LK Installation Cabinet 350





No.	Designation	Quantity	Article no. / Note
1	LK Installation Cabinet 350	1 pc.	243 55 25
2	Wood screws (5x35 mm)	4 pcs.	-
3	LK Cable Grommet VT/VT RF	3 pcs.	33952
4	LK Conduit, Ø25 mm	1 m	187 06 65
5	LK Spray Guard, 345x200	2 pcs.	188 24 19
6	LK Drainage Elbow V2	1 pc.	188 26 11
7	LK Pipe Grommet 8-20 LP	4 pcs.	298 61 50
8	Seal for wood screws	4 pcs.	-
9	LK Sealing Plug 40 LP	4 pcs.	188 27 21
10	Bracket fixing plate 20x80	2 pcs.	33027
11	QR code for assembly instructions	1 pc.	-
12	LK Bellow Sleeve 25 LP	1 pc.	188 27 42
13	Installation screws for LK Drainage Elbow V2	2 pcs.	(Included in package 188 26 11)
14	LK Outlet Plate V2, White	1 pc.	188 26 13

Supplied with the product – LK Installation Cabinet 350 XL



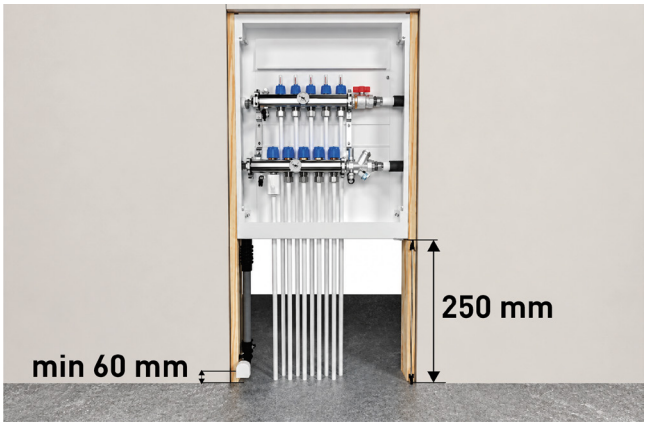
No.	Designation	Quantity	Article no. / Note
1	LK Installation Cabinet XL	1 pc.	243 55 26
2	Wood screws (5x35 mm)	4 pcs.	-
3	LK Cable Grommet VT/VT RF	4 pcs.	33952
4	LK Conduit Ø25 mm	1 m	187 06 65
5	LK Spray Guard 533x200	2 pcs.	188 24 10
6	LK Drainage Elbow V2	1 pc.	188 26 11
7	LK Pipe Grommet 8-20 LP	4 pcs.	298 61 50
8	Seal for wood screws	4 pcs.	-
9	LK Sealing Plug 40 LP	4 pcs.	188 27 21
10	Earthing label	1 pc.	-
11	Earthing screw M5, wing nut M5, washer M5	1 pc.	-
12	LK Bracket Fixing Plate 20x80	2 pcs.	33027
13	QR code for assembly instructions	1 pc.	-
14	LK Bellow Sleeve 25 LP	1 pc.	188 27 42
15	Installation screws for LK Drainage Elbow V2	2 pcs.	(Included in package 188 26 11)
16	LK Outlet Plate V2, White	1 pc.	188 26 13

Installation requirements

WARNING! Electrical protective equipotential bonding
If electrical equipment is installed in the cabinet, metal pipes that enter or leave the cabinet must have protective equipotential bonding. This includes copper pipes. A qualified electrician must make sure that protective equipotential bonding is correctly installed.

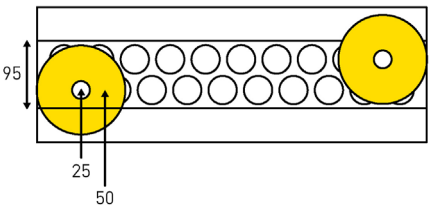
Installation height

- The installation must allow the pipes to enter the cabinet at right angles to the cabinet base.
- Install the cabinet at least 250 mm above the floor. This gives sufficient space to install the drainage pipe with a continuous fall along its entire length.
- For surface mounting on an internal wall, install the cabinet 250 (±25) mm above the finished floor. This gives sufficient space for the LK Base.



Installation in a stud wall

- The minimum stud wall thickness is 95 mm for LK Installation Cabinet 350 and LK Installation Cabinet 350 XL.
- Position the cabinet at the correct depth to allow sufficient space for any pipe insulation.



Example of an installation with insulation on the supply pipe. The illustration shows a cabinet with a depth of 95 mm.

Installation in an external wall

If the cabinet is installed in an external wall, install it on the warm side of the structure, inside the airtight membrane.

Securing the cabinet

Secure the cabinet through the holes in its sides or back.

- For timber stud walls, use the supplied screws and sealing washers.
- Alternatively, use the LK Leg Stand or LK Flexilegs. Refer to **Installation Aids.**

Installing hatches

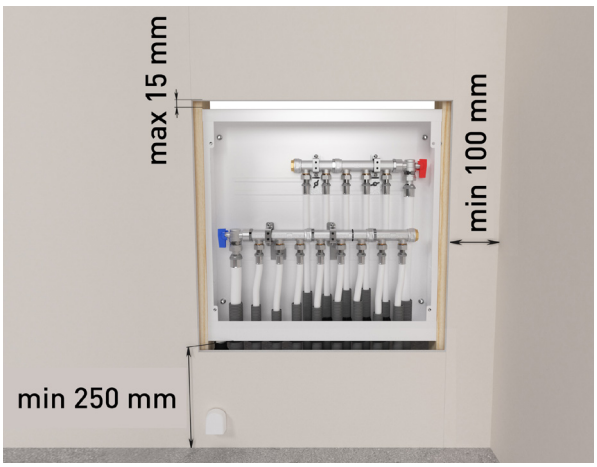
NOTE!
Refer to the separate assembly instructions for each hatch at www.lksystems.se

LK Wet Zone Hatch PRESEAL

- For installation in rooms with a waterproofing layer on the wall:
  The LK Wet Zone Hatch PRESEAL requires a minimum clear installation depth of 75 mm, measured from the outer surface of the wet room board to the front edge of the installation cabinet. A minimum distance of 100 mm is also necessary between the outside of the cabinet and the adjacent wall.

LK Frame/hatch GV INB/UTV

- When installing the cabinet near an adjacent wall in a stud wall construction, a minimum clearance of 35 mm is necessary between the cabinet and the adjacent wall. This provides sufficient space for the LK Frame/hatch GV INB/UTV. Cut the wallboard flush with the edges of the cabinet.



Service opening

NOTE!
Do not position the service opening in an area intended for a bath or shower.



Wet zone in a bathroom.

Prepare pipe grommets for supply pipes and connecting pipes

NOTE!
If a pipe seal is damaged during cutting, replace it with a new seal.

Refer to the overview table at the end of these assembly instructions under Cutting Instructions for LK Pipe Grommets.

1. Check the diameter of the pipe or conduit.
2. Cut the pipe grommets to the correct diameter.



Examples of pipe grommets.

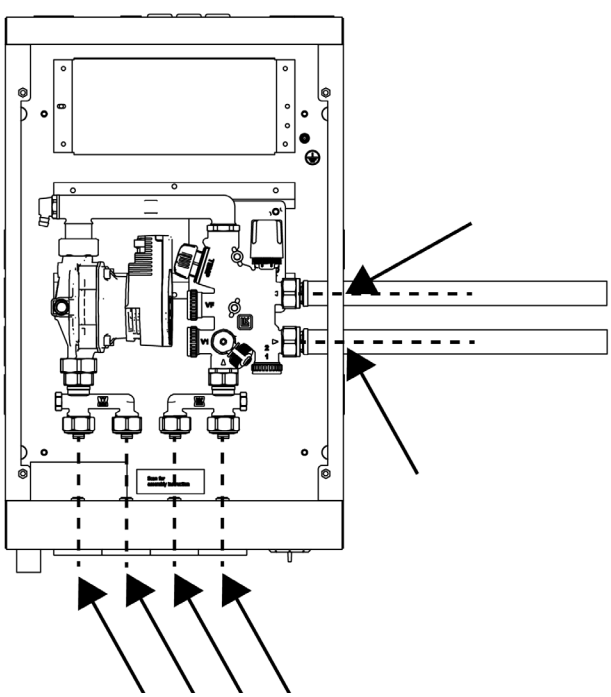
Installation procedure

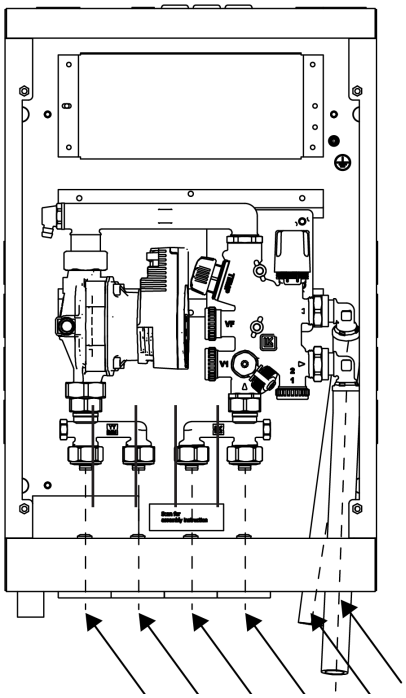
Step 1. Remove the knock-out holes

TIP!
Use a screwdriver and hammer to remove the knock-out holes.

The arrows in the illustrations show the supply pipe positions. Select the knock-out holes according to whether the supply pipes enter the cabinet from below or from the side.

1. Remove the knock-out hole for the capillary tube connected room sensor (accessory) for the LK MicroShunt.
2. Remove the knock-out hole for any cables to the electronic room control.
3. Install the supplied cable grommets.
4. Install the pipe grommets for the supply pipes.





Step 2. Install the pipe grommets and sealing plugs

1. Install the adapted pipe grommets and LK Sealing Plugs before you install the cabinet in its final position. Make sure that the pipe grommets and sealing plugs are correctly installed to seal the cabinet base.
2. Install the LK Sealing Plugs with the LK logo visible from inside the cabinet.



Install the pipe grommets and sealing plugs.

Step 3. Install the cabinet

NOTE!
Install the cabinet in a stud wall or externally on an existing wall. Refer to Installation Requirements.
Alternatively, secure the cabinet with the LK Leg Stand or LK Flexilegs. Refer to Installation Aids.
Do not install the cabinet with its front edge projecting beyond the studs. This is necessary to install the LK Frame/hatch INB.

1. Read the complete **Installation Requirements** section.
2. Secure the cabinet to the building structure through the holes in its sides or back.
   For timber stud walls, use the supplied screws and sealing washers.
3. **Seal all unused holes in the cabinet** after securing it.



Securing the cabinet in a stud wall.

Step 4. Alternative 1. Install the LK Mini Loop Valve RTB

The mounting rail in the installation cabinet lets you move the unit sideways. This gives flexibility during installation. The supply pipes from an existing radiator circuit can be installed in the cabinet first.
The underfloor heating loop can then be installed at a later stage, for example after the first concrete pour.

1. Install the bracket fixing plates on the mounting rail in the cabinet.
2. Attach the bracket supplied with the LK Mini Loop Valve RTB to the bracket fixing plates.
3. Install the LK Mini Loop Valve RTB on the bracket.
4. Follow the assembly instructions for the LK Mini Loop Valve RTB.
   Refer to the separate assembly instructions at www.lksystems.se .

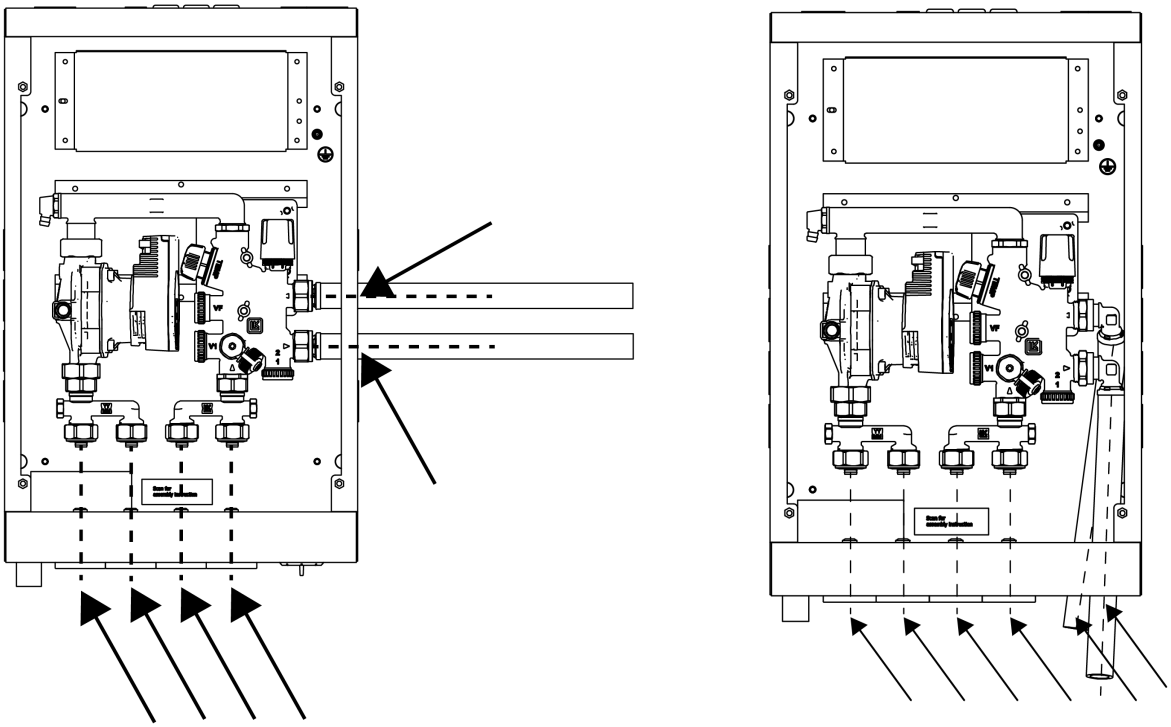


LK Mini Loop Valve RTB.

Step 5. Install the LK MicroShunt

The installation cabinet is designed for right-hand installation of the LK MicroShunt.

1. Install the bracket fixing plates on the mounting rail in the cabinet.
2. Attach the bracket supplied with the LK MicroShunt to the bracket fixing plates.
3. Install the LK MicroShunt on the bracket.
4. Follow the assembly instructions for the LK MicroShunt.



LK Installation Cabinet 350 XL with LK MicroShunt. The pipes enter from the right or through the cabinet base.

Step 6. Install the pipes

TIP!
Lubricate the conduit with soapy water or an equivalent product to make installation easier.

1. Pull the underfloor heating pipes through the pipe grommets.
2. Cut and deburr the pipes.
3. Connect the underfloor heating pipes to the LK MicroShunt and to the LK Micro VKF, if installed.
4. Check that all pipes enter the cabinet at right angles to the cabinet base. Adjust the pipes if necessary. This is important to make sure that the cabinet base is sealed..

NOTE!
After installing all the pipes, make sure that the pipe grommets are correctly installed.

Step 7. Install cabinet drainage

NOTE!
Drainage outlets from cabinets with tap water installations must always discharge into an area with a watertight floor.

Exception: Cabinets installed in stairwells may have leakage indication outlets that discharge onto water-tight or water-repellent flooring in the stairwell. This exception does not apply to single-family houses.

Drainage outlets from cabinets with heating system installations may discharge onto the wall surface below the cabinet. The outlet must be in a room that is normally occupied, where any leakage can be easily detected.

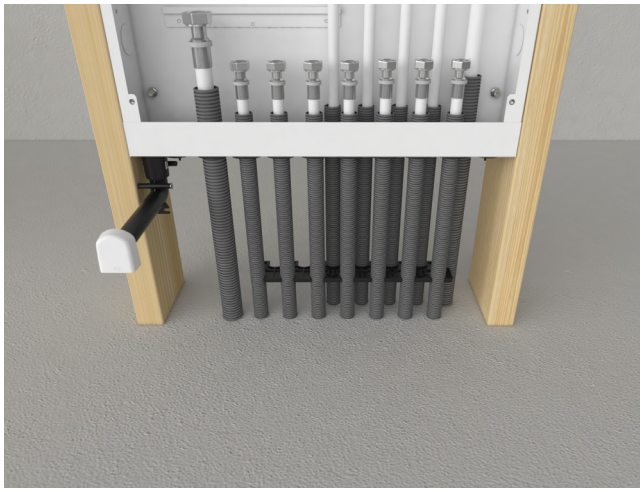
Where a pipe penetrates a wall, the distance between the pipe and the adjacent wall or the floor water-proofing layer must be at least 60 mm. Do not position leakage indication outlets in areas intended for a bath or shower.

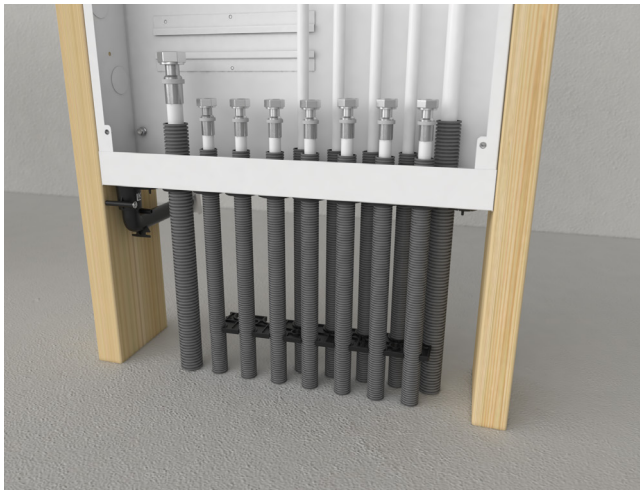
TIP!
There are different methods for installing cabinet drainage. Refer to Steps 7a and 7b.

Step 7a. Connect the drainage elbow directly to the cabinet outlet pipe

The drainage outlet discharges from the wall surface below the cabinet.

1. Connect the drainage elbow directly to the cabinet outlet pipe after installing all pipe grommets and sealing plugs.
2. Secure the drainage elbow to a wall stud in a suitable position. Use the two supplied installation screws in any of the fixing holes.



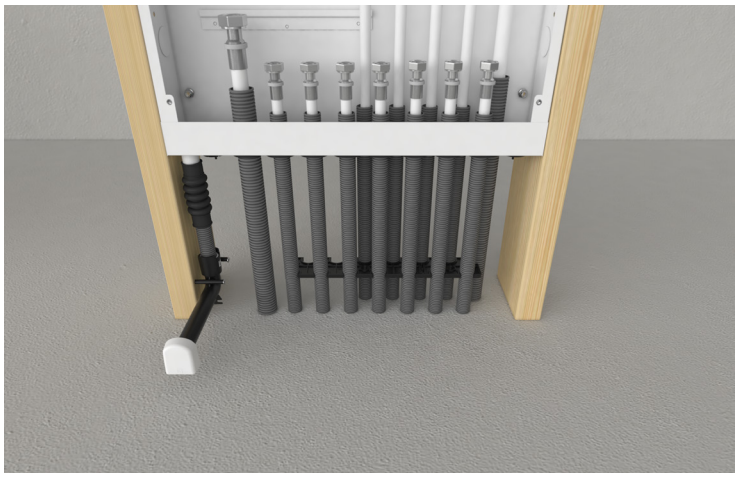


A drainage elbow connected directly to the cabinet outlet pipe discharges into the same room as the cabinet service opening or into the room behind it.

NOTE!
For surface-mounted cabinets, the drainage elbow discharges through the pre-drilled hole in the LK Base.

Step 7b. Connect the drainage elbow via a conduit

1. Connect the conduit to the cabinet drainage outlet using the bellow sleeve. Do not deform the bellow sleeve. Deformation can prevent leakage water from flowing through it.
2. Connect the drainage elbow to the conduit. Push the conduit fully into the drainage elbow, approximately 20 mm deep.
3. Secure the drainage elbow to a wall stud in a suitable position. Use the two supplied installation screws in any of the fixing holes.
4. Install the conduit with a continuous fall towards the outlet along its entire length. Secure the conduit with pipe clips.



Drainage elbow connected via a conduit.

Step 8. Install the spray guards

1. Install the supplied spray guards.
2. Move the spray guards sideways until they cover the full width of the cabinet. The spray guards should be installed during construction to prevent dirt and dust from entering the cabinet. The spray guards protect against water damage and must always be installed.

Step 9. Install the frame/hatch

- Three types of frame/hatch are available, depending on whether the cabinet is installed in or externally on an internal wall: LK Frame/hatch INB, LK Frame/hatch UTV, LK Wet Zone Hatch PRESEAL.
- In rooms with a waterproofing layer on the wall, install the LK Wet Zone Hatch PRESEAL on the installation cabinet. Connect the LK Wet Zone Hatch PRESEAL to the waterproofing layer on the wall. For more information, refer to the separate product range information and assembly instructions for LK Wet Zone Hatch PRESEAL.
- Do not position the service opening (wet zone hatch) in an area intended for a bath or shower.

Step 10a. Install the LK Frame/hatch GV INB

- Do not install this product in rooms with a waterproofing layer on the wall.
- When the cabinet is built into a wall, use the LK Frame/hatch GV INB. The frame has an overlapping edge that covers the opening around the cabinet. The frame extends 15 mm beyond the cabinet edges.
- A wallboard with a minimum thickness of 13 mm is necessary in front of the cabinet to install the frame.
- Install the LK Frame/hatch using the supplied M5 screws. If the cabinet is installed too deep for the supplied screws to reach, replace them with longer screws (not supplied).

Step 10b. Install the LK Frame/hatch GV UTV

When the cabinet is installed externally on a wall, use the LK Frame/hatch GV UTV. The outer edges of the frame/hatch align with the outer edges of the cabinet.

1. Install the frame using the supplied screws and mounting plates.



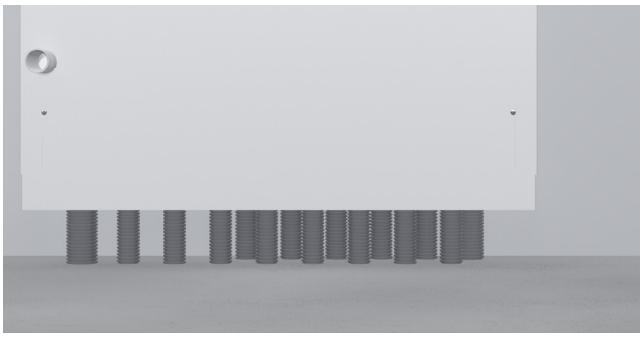
Mounting plate and screw for the LK Frame/hatch UNI UTV.

2. Install the four white cover plugs in the ends of the cabinet.

Step 11. Install the base

The height of the LK Base can be adjusted between 231 and 291 mm.

1. For surface mounting of LK Installation Cabinet 350 or 350 XL, first secure the upper part of the LK Base in the designated grooves.
2. Make sure that the drainage elbow passes through the designated hole.
3. Pull the lower part of the base down until it reaches the floor.
4. When the base is at the correct height, secure it using the screws on the front.
5. Cut the drainage elbow to the correct length so that it aligns with the outside of the base. Install the outlet plate.



LK Base, installation.



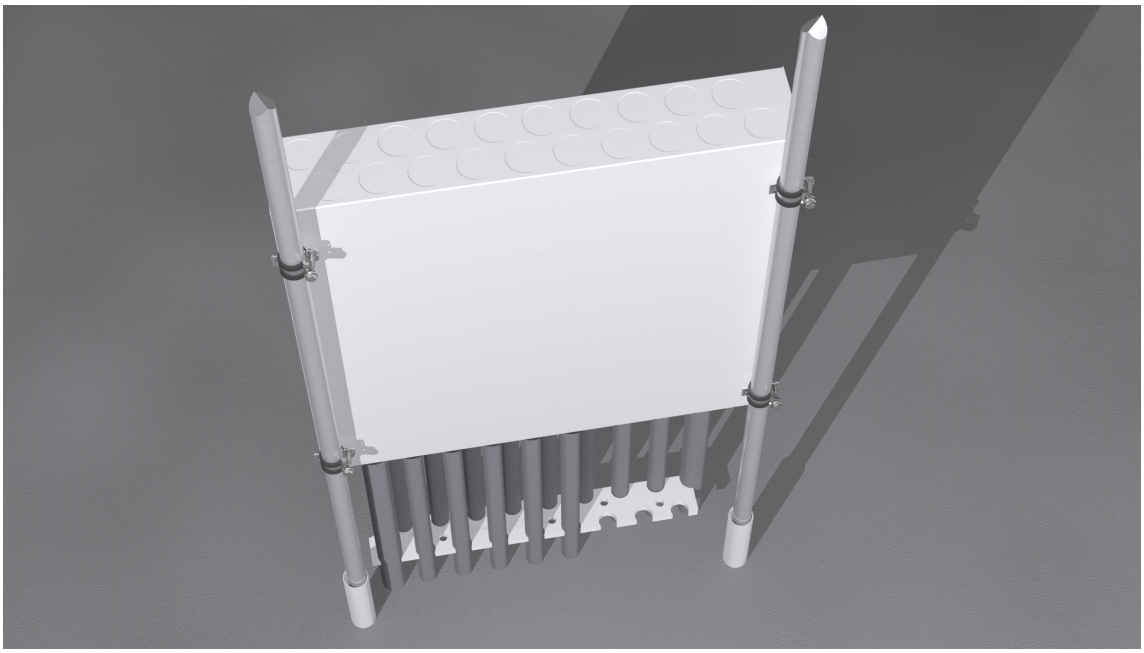
Outlet plate installed on the base.

Installation aids

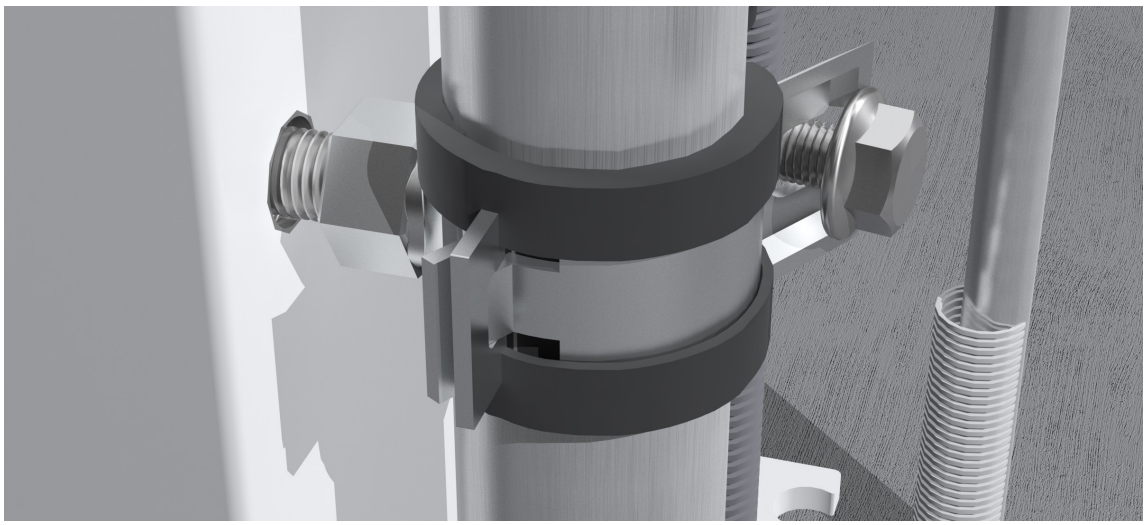
Installation using the LK Cabinet Stand L2

The back of the cabinet has four fixing points (M8 nuts). These can be used to install the cabinet before the concrete slab is cast. Use the LK Cabinet Stand L2 as an installation aid.

1. Install the four supplied M8 bolts in the back of the cabinet.
2. Screw the pipe clamps onto the protruding bolts.
3. Insert the round bars and fit the conduit sections supplied with the stand. The conduit sections prevent the stand from becoming embedded in the concrete, making it reusable.
4. Drive the round bars through the insulation and into the sand until the installation is stable.
5. Raise the cabinet to the required height and tighten the clamps.
6. Tape the conduit sections to the stand legs to prevent them from floating upwards during concrete casting.



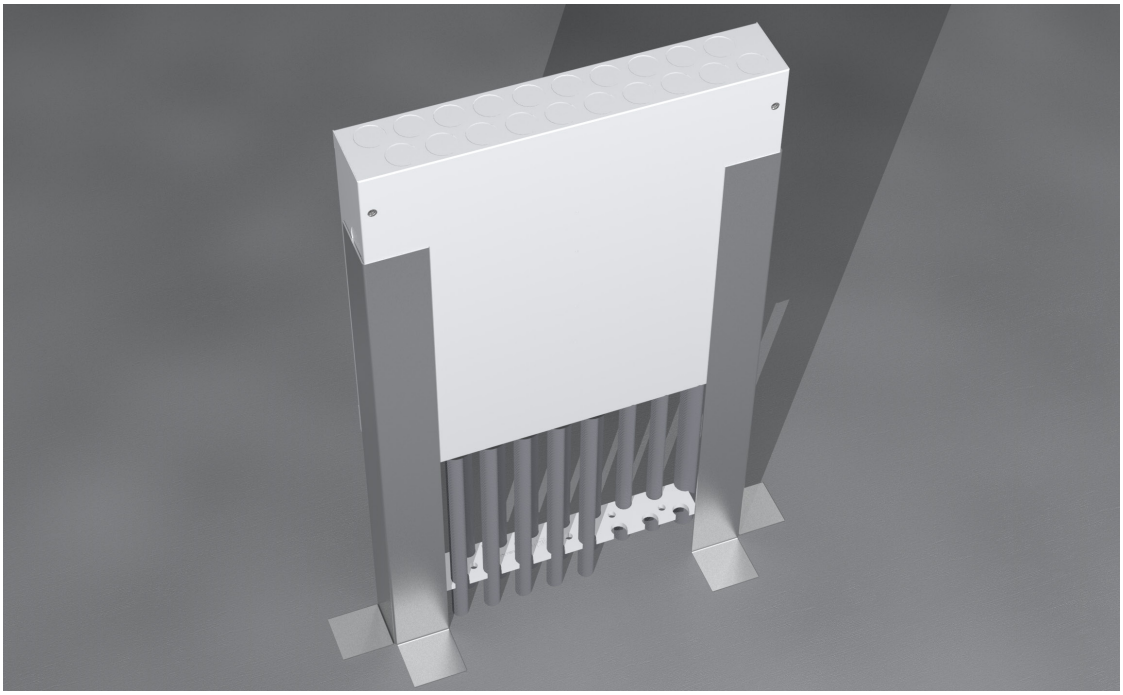
LK Cabinet Stand L2 installed with LK Fixing Plate PiP 25.



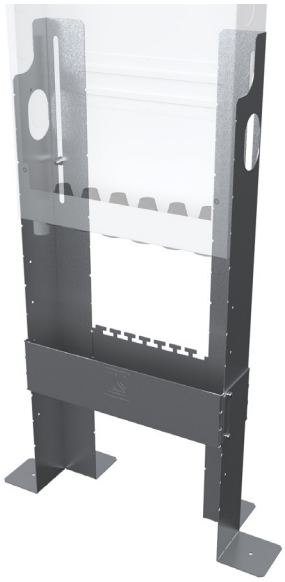
Close-up of the attachment to the cabinet.

Installation using the LK Leg Stand and LK Flexilegs

- The LK Leg Stand and LK Flexilegs make it easier to install the cabinet on prefabricated concrete floor structures.
- The products are made from galvanised sheet steel.
- The LK Leg Stand is supplied in pairs with four self-drilling sheet metal screws.
  Insert the screws through the holes in the sides of the cabinet from inside to secure the legs.
- The LK Flexilegs are supplied in pairs with two screws for attachment to the back of the cabinet.
- The feet of the leg stand have 6 mm holes for attachment to the concrete floor structure.
  Secure the legs using bolts or metal nail plugs (not supplied).
- If the leg stand does not provide sufficient support, also secure the cabinet to the wall structure.



LK Leg Stand.



LK Flexilegs and LK Flexiguard.

Pipe dimensions

The table below shows the pipe dimensions and pipe types that can be connected to LK Installation Cabinet 350 and LK Installation Cabinet 350 XL. For more information about the products included in LK Underfloor Heating Systems, refer to: www.lksystems.se

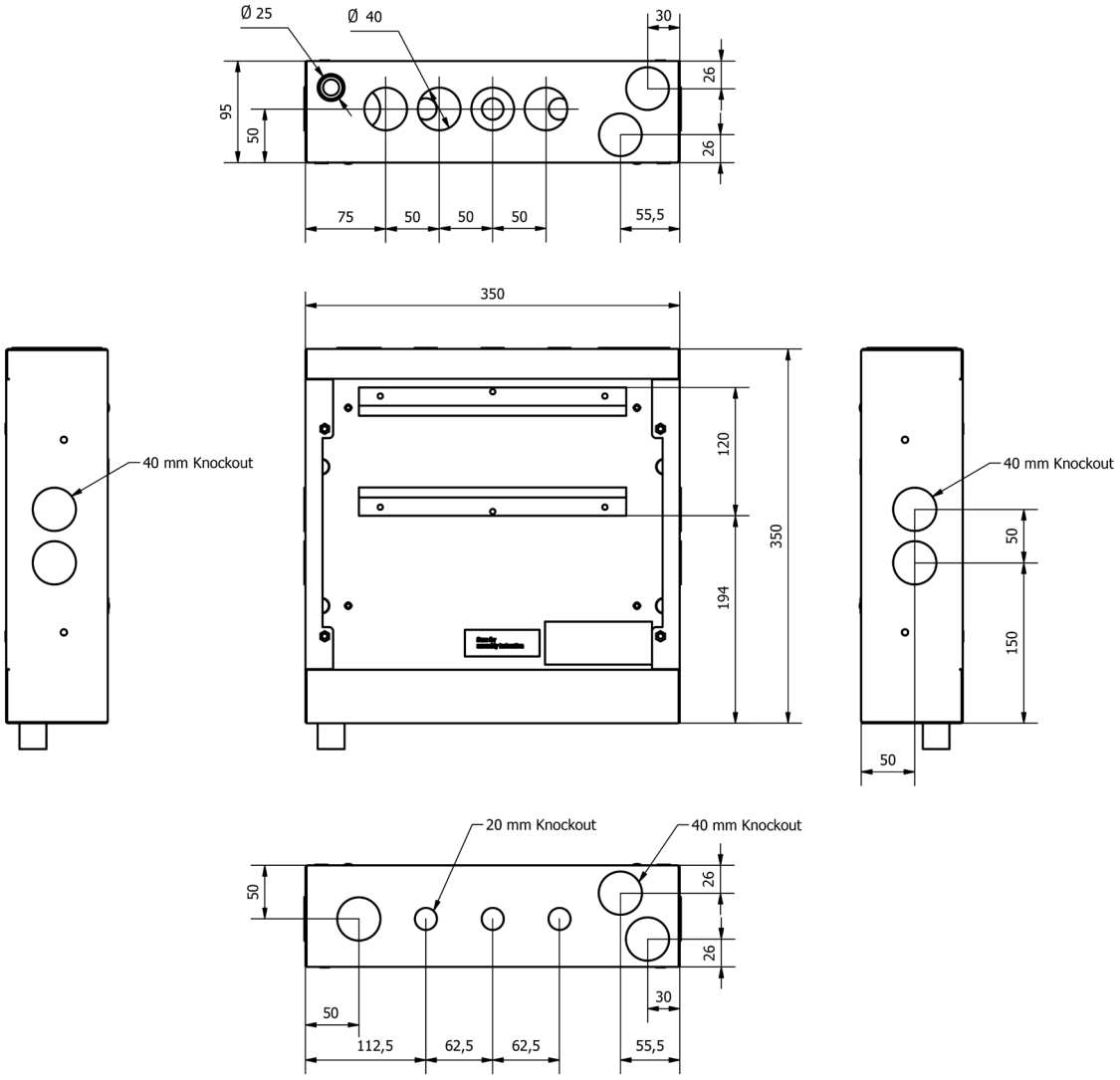
Pipe grommet	**PE pipe**	**Article no.**	**Pipe-in-pipe (PiP) conduit dimension**
LK Pipe Grommet 8-20 LP	8 mm, 12 mm, 16 mm, 20 mm	2986150	-
LK Pipe Grommet 20-25 LP	20 mm 25 mm	1882723	25 mm
LK Pipe Grommet 32-34 LP	32 mm	1882696	34 mm
LK Pipe Grommet ST 16-34 LP*	16-32 mm	29235	25-34 mm
* Only for installation in the cabinet side or top.			

Article data

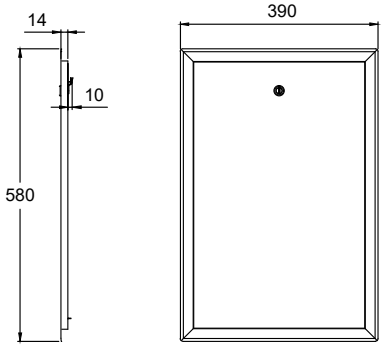
Article no.	**Designation**	**Intended for**
243 55 25	LK Installation Cabinet 350	LK MicroShunt / LK Mini Loop Valve RTB without electronic room control
243 55 26	LK Installation Cabine 350 XL	LK MicroShunt / LK Mini Loop Valve RTB with or without electronic room control
188 23 48	LK Frame/hatch GV INB 390 x 390 x 26 mm	LK Installation Cabinet 350 installed in a wall
188 13 08	LK Frame/hatch GV INB 390 x 580 x 26 mm	LK Installation Cabinet 350 XL installed in a wall
205 48 38	LK Frame/hatch GV UTV 350 x 340 x 14 mm	LK Installation Cabinet 350 surface-mounted on a wall
188 13 10	LK Frame/hatch GV UTV 350 x 540 x 26 mm	LK Installation Cabinet 350 XL surface-mounted on a wall
188 13 01	LK Base GV 350mm	Surface mounting of LK Installation Cabinet 350 and 350 XL

Dimension drawings

LK Installation Cabinet 350

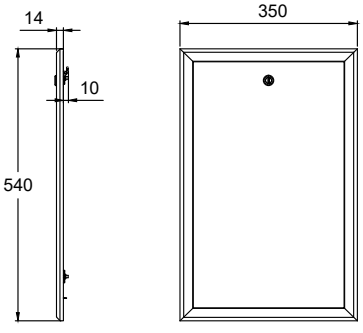


LK Frame/hatch GV INB



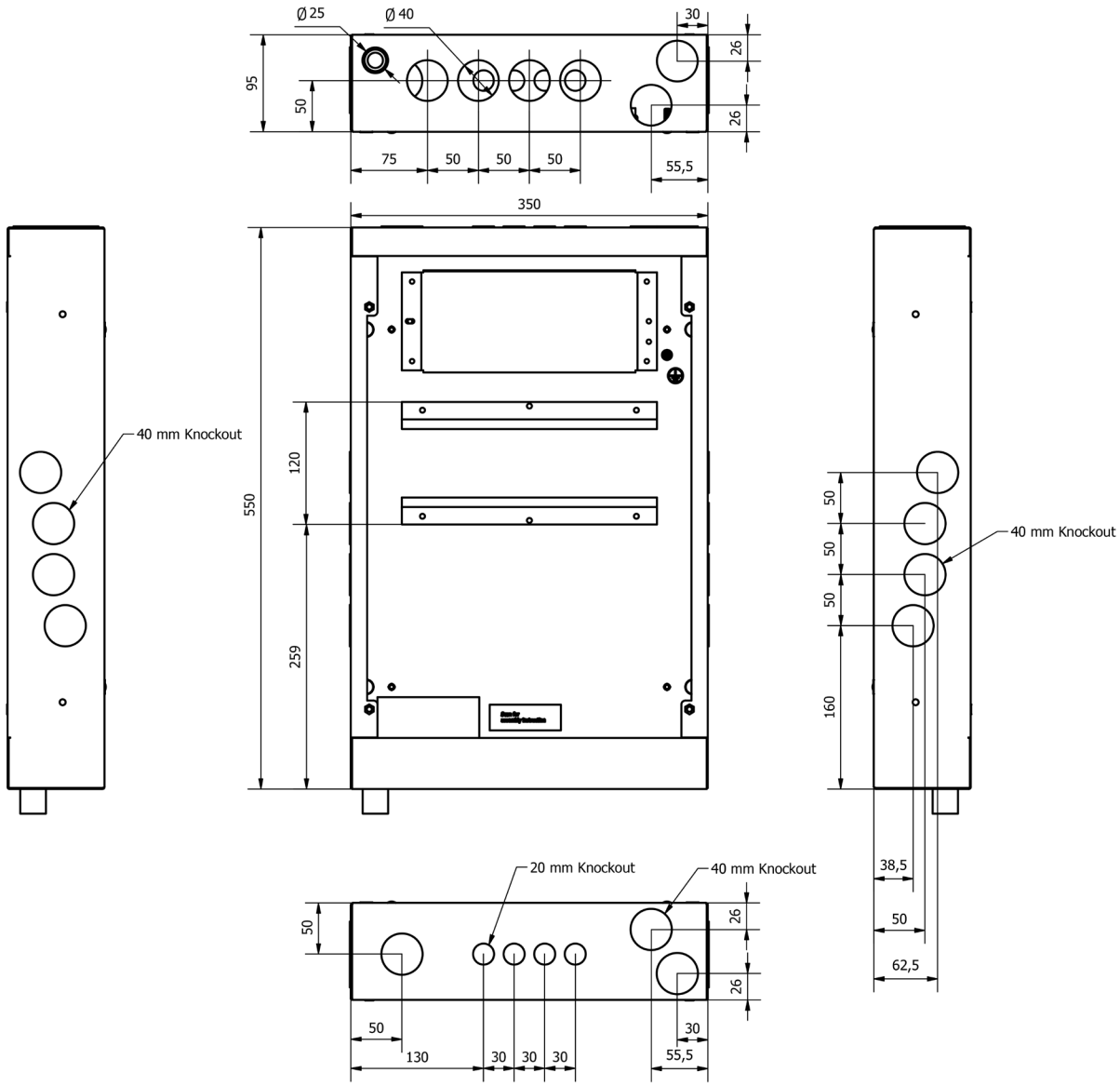
Side view **Front View**

LK Frame/hatch GV UTV

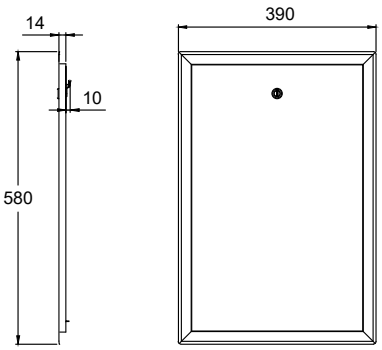


Side view **Front View**

LK Installation Cabinet 350 XL

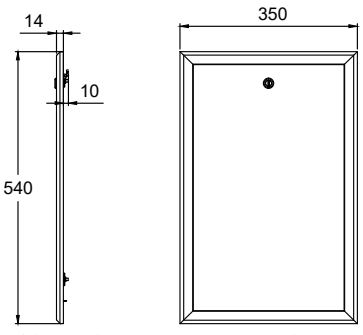


LK Frame/hatch GV INB



Side view **Front View**

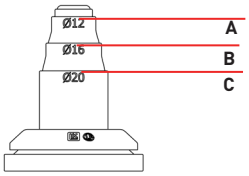
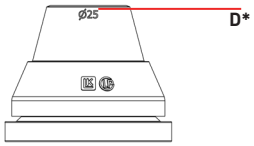
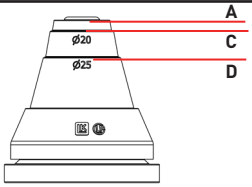
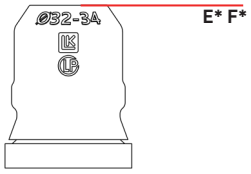
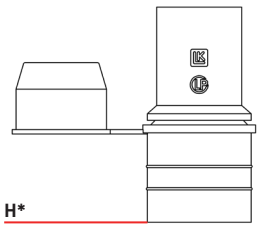
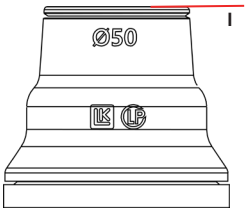
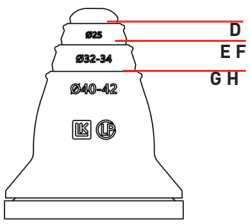
LK Frame/hatch GV UTV



Side view **Front View**

Cutting instruction for LK Pipe Grommets

Overview table

Art.No.	Illustration	Pipe grommets	Ø mm pipe. K=cutting level.								
			Ø12	Ø16	Ø20	Ø25	Ø32	Ø34	Ø40	Ø42	Ø50
298 61 50		LK Pipe grommet 12-20 LP	A	B	C						
188 27 22		LK Pipe grommet 25 LP				D					
188 27 23		LK Pipe grommet 20-25 LP	A		C	D					
188 26 96		LK Pipe grommet 32-34 LP					E	F			
188 27 24		LK Pipe grommet 32 PiP LP								H	
188 27 27		LK Pipe grommet 50 LP									I
189 27 28		LK Pipe grommet 25-40 LP				D	E	F	G	H	

* LK Pipe grommet 25 LP and LK Pipe grommet 32-34 LP and LK Pipe grommet 32 RiR LP are allready cut at delivery. .