

4.3 Basement drains

High flows, heavy-duty construction,
available with integrated backwater protection



Basement drain *Pumpfix S*

The basement drain, which pumps against backwater.

Stronger than the backwater: The *Pumpfix S* is the only basement drain with backwater valve, which pumps against backwater. It normally drains sewage free wastewater to the sewer by gravity – even handles incoming flood water or flooding from a burst water supply pipe. Yet it shows its true strength in case of backwater: The pump then switches on automatically and pumps the building's wastewater into the flooded sewer. It is also ideally suitable for draining outdoor basement stairs.

The *Pumpfix S* is available in two models: a compact version with polymer grating, which is particularly suitable for renovation projects, and a larger version with multiple inlet connections and a tileable cover.



- 1 *Pumpfix S* 2 Additional inlets (shower or washing machine)
3 Surface water is drained through the cover 4 Flooded sewer

Installation in waterproof concrete

The KESSEL sealing kit for installation in waterproof concrete ensures reliable protection against moisture damage. The extension section with central flange and elastomeric waterproofing membrane can also be used for deeper installation.

Additional inlet connections

In addition to the cover with integrated inlet several lateral inlets can also be attached, for a shower, washing machine and washbasin. The *Pumpfix S* basement drain can therefore also be used as central backwater protection.

Backwater pumping station *Pumpfix S*

For installation in a concrete floor/slab



Made of polymer

With lateral outlet 2.5°, removable pump,
twin flap backwater valve and odour trap,
Drainage capacity 1.6 l/sec flow rate.
For installation depth (D) from 481 – 656 mm.
Installation area 700 × 700 mm


Twin flaps, self-closing, one of which can be
locked by hand, self activating pump during
backwater (pumps against 0.7 bar = 7 m water
column) cable length 5 m. With telescopic
upper section for height and level adjustments

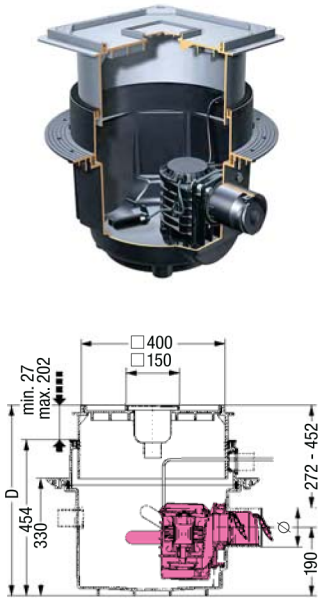
Cover:

Recessed cover for on-site tiling, class A 15,
made of polymer.

With moisture protective sealing flange.

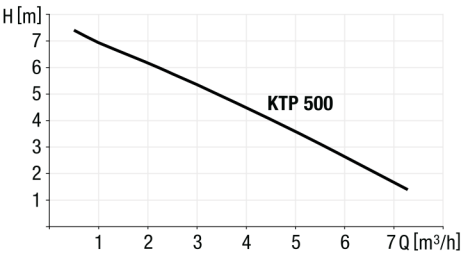
Note: Not for use as a lifting station

 **Accessories:** see pages 268 – 269



Outer diameter Ø (mm)	Art. no.
Ø 110	28 451

Pumping capacity



According to EN 13564 Type 5



EN 1253-1

Accessories

Pumpfix S

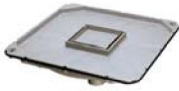

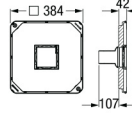
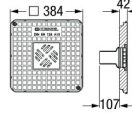


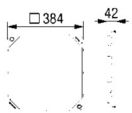
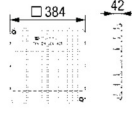

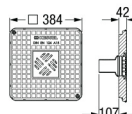
Cover plates

for installation in a concrete floor

			Cover	Art. no.
with drain Ø 75	Version recessed for on-site tiling, grey: For tile thicknesses of 18 mm			tileable 83 055

Cover plates

for installation in a concrete floor

with drain Ø 75	Inclusive: Gasket, <i>Multistop</i> Version recessed for on-site tiling, grey: For tile thicknesses of 18 mm Version black: With integrated grating	 	 	tileable black 83 045 83 046
surface water tight	Inclusive: Gasket Version recessed for on-site tiling, grey: For tile thicknesses of 18 mm (Ventilation always required when in use!)	 	 	tileable black 83 052 83 050
without drain	Inclusive: Gasket, with integrated grating Class: A 15			black 83 053

Hygiene and odour stop

Compatibility see product description

Multistop	Function: Odour, foam, rodent and insect stop Compatibility: Art. no. 83 045 and 83 046			43 500
Hair filter	Compatibility: Art. no. 83 045 and 83 046			43 700
Odour trap	Compatibility: Art. no. 83 055 Sealing water height: 50 mm (Ventilation always required when in use!)			47 200

Upper section

for installation in a concrete floor

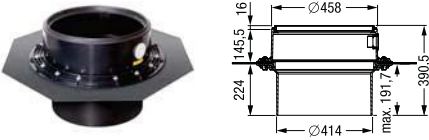
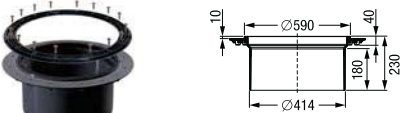

Size 220 mm	Version: With flange Extension: Max. 180 mm, height adjustable			83 061
--------------------	---	---	---	---------------

Accessories


Pumpfix S

Extension sections

for installation in a concrete floor

		Art. no.	
with centre flange	<p>Additional function: For installation in waterproof concrete</p> <p>Inclusive: Temporary construction debris cover, fully assembled, gasket set (counter flange made of polymer, screwed, elastomer sealing sheet made of NK/SBR Ø 800 mm)</p> <p>Extension: Max. 360 mm</p>		83 075
with flange and counter flange	<p>Additional function: For connection to an on-site sealing sheet</p> <p>Inclusive: Screws</p> <p>Extension: Max. 140 mm (In case of deeper installation ensure maintenance capability!)</p>		83 073
with gasket	<p>Extension: Max. 180 mm (In case of deeper installation ensure maintenance capability!)</p>		83 070

Pipe entrance seals

Pipe entrance seals		Nominal pipe diameter in mm	Outer pipe diameter in mm	Art. no.	
Pipe sealing gasket	<div>Requires hole size:</div> <div>Ø 50: 60 mm</div> <div>Ø 75: 92 mm</div> <div>Ø 110: 121 mm</div>	<div></div> <div></div>	DN 50 DN 70 DN 100	Ø 50 Ø 75 Ø 110	850 114 850 116 850 117

Hole saw

Hole saw		Outer pipe diameter in mm	Drill size in mm	Art. no.	
Hole saw set	Inclusive: Saw blade holder		Ø 50 Ø 75 Ø 110	60 92 121	500 101

Basement drain

The Universal

The versatile drain with backwater valve.

It couldn't be more flexible. *The Universal* is a versatile basement drain for sewage free wastewater. It is equipped with a backwater valve and a manually lockable emergency closure. *The Universal* has three inlets as a standard feature (two in Ø 50 and one in Ø 75 mm), the telescopic upper section is also rotatable, tiltable and height-adjustable. This ensures it provides maximum flexibility for the design and installation. *The Universal* is optionally available with a slotted grating made of polymer or stainless steel.



1 Drain 2 Inlet 3 Steel cover

Basement drain *The Universal*

For installation in a concrete floor/slab



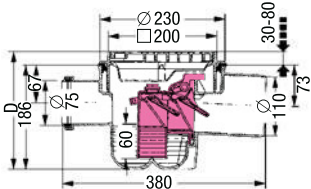
Made in PP

With lateral outlet 2.5°, 2 inlets Ø 50, 1 inlet Ø 75 mm with blind plug, odour trap and sludge trap.

With/without twin flap backwater valve.

Drainage capacity 1.8 l/sec flow rate.

Installation area 400 × 320 mm



Cover:

Slotted cover 188 × 188 mm made of polymer, black, class K 3; slotted cover 187 × 187 mm and rim made of stainless steel AISI 304, screwed, class L 15

➤ **Accessories:** see pages 272 – 273

With twin flap backwater valve

Outer diameter Ø (mm)	Installation depth D in mm	Art. no.
With black cover		
Ø 110	216 – 276	27 611
With stainless steel cover		
Ø 110	216 – 266	27 621

Without twin flap backwater valve

Outer diameter Ø (mm)	Installation depth D in mm	Art. no.
With black cover		
Ø 110	216 – 276	29 111
With stainless steel cover		
Ø 110	216 – 266	29 121

Basement drain

Drehfix

The compact drain for renovation.

The *Drehfix* is a basement drain with integrated, removable backwater valve (Type 5). In addition, it protects connected discharge points such as washbasins, showers or washing machines against wastewater from the sewer. With odour trap, sludge bucket, manually locked emergency closure and a discharge rate of 1.8 l/s, it can be used flexibly and is so compact that it fits in the recesses of old cast iron drains. It is therefore ideally suitable for renovation projects.



1 Drain 2 Inlet

Basement drain *Drehfix*

For installation in a concrete floor/slab

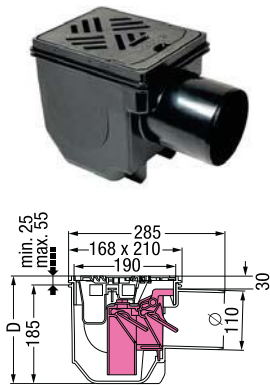
Made in ABS

With lateral outlet 2.5°, with/without removeable twin flap backwater valve and emergency closure which can be locked by hand, odour trap and sludge trap and integrated, height adjustable upper section. Drainage capacity 1.8 l/sec flow rate. Installation area 320 × 190 mm

Cover:

Slotted cover 150 × 190 mm made of polymer, black, with Easy Entry Function, class K 3

➤ **Accessories:** see pages 272 – 273



Outer diameter Ø (mm)	Installation depth D in mm	Art. no.
With twin flap backwater valve		
Ø 110	210 – 240	27 301
Without twin flap backwater valve		
Ø 110	210 – 240	33 101

Accessories

The Universal / Drehfix

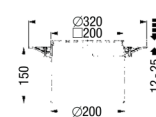
Variofix shallow bed upper section

for basement drain *The Universal*

Art. no.

Variofix shallow bed upper section

Inclusive: Waterproofing membrane
Cover: Slotted cover and rim in stainless steel AISI 304, screwed, class K 3



48 968

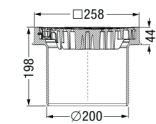
Extension section in *Ecoguss*

for basement drain *The Universal*

Art. no.

with support rim and slotted cover

Version: With support rim 250 × 250 mm
Cover: Round slotted cover in *Ecoguss*, Ø 235 mm, class B 125, *Lock & Lift* System



67 985

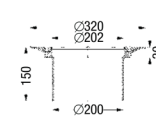
Extension section

for basement drain *The Universal*

Art. no.

with pressure sealing flange and counter flange

Inclusive: Waterproofing layer against ground moisture
Height: 150 mm



27 298

Waterproofing membrane



48 651

2 component adhesive

Compatibility: For gluing of KESSEL waterproofing membranes

48 650

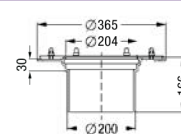
Extension section in *Ecoguss*

for basement drain *The Universal*

Art. no.

with pressure sealing flange and counter flange

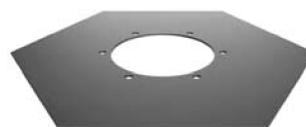
Additional function: For installation in waterproof concrete
Height: 166 mm



48 958

Elastomer waterproof membrane

Material: NBR



48 982

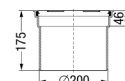
Extension section

for basement drain *The Universal*

Art. no.

Extension section

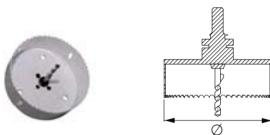







Inclusive: Lip seal
Height: 175 mm



48 988

Accessories

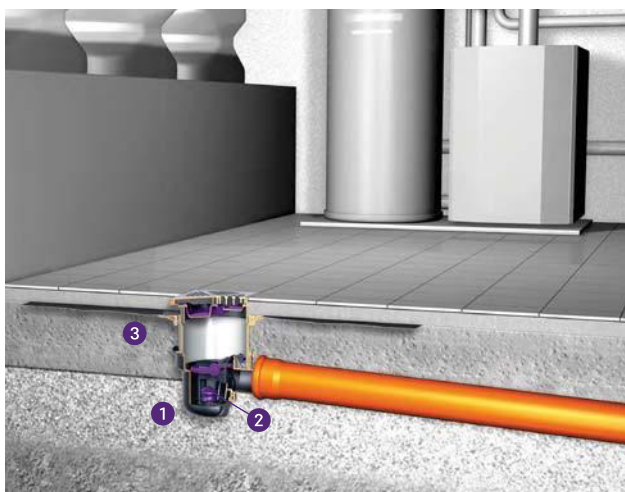
The Universal / Drehfix

Hole saw			Outer pipe diameter in mm	Drill size in mm	Art. no.
Hole saw set	Inclusive: Saw blade holder		Ø 50	60	500 101
			Ø 75	92	
			Ø 110	121	
Inlet adaptor			Outer diameter Ø (mm)	Drill size in mm	Art. no.
for basement drain <i>Drehfix</i>					
Inlet adaptor	Inclusive: Flat seal		Ø 50	60	39 005
			Ø 75	92	39 007
			Ø 110	121	39 100
Transition section			Outer diameter Ø (mm)	Art. no.	
for basement drain <i>The Universal</i> and <i>Drehfix</i>					
Transition section	Inclusive: Ø 110 socket / Ø 75 spigot for use as connection piece, gasket		Ø 75/110	27 602	
Rodent protection			Art. no.		
for basement drain <i>The Universal</i> and <i>Drehfix</i>					
Rodent protection	Material: Stainless steel		27 609		
Twin-flap backwater protection insert			Art. no.		
for basement drain <i>The Universal</i> with twin flap backwater valve					
with integrated odour trap	Inclusive: Odour trap (62 mm)		27 603		
Extension section / slotted cover / sludge trap			Art. no.		
for basement drain <i>Drehfix</i>					
Extension section	Compatibility: For recessed installation Height: 183 mm		38 670		
Slotted cover	Version: Class K 3, with recessed handle for cover removal		27 205		
Sludge trap	Version: With integrated handle for removal		27 308		

Basement drains with integrated volatile liquid trap

Basement drainage with integrated oil / fuel trap and available backwater protection.

Perfect for the heating room in the basement: Surface water passes through a polymer slotted grating and into the light liquid trap, from where it is discharged into the sewer. If a volatile liquid, for example, heating oil gets into the drain, a floater reliably ensures that contaminated wastewater is not transported into the sewer and cannot cause serious pollution in the sewer and connected wastewater treatment plants. Available in two variants, with and without integrated double backwater valve.



1 Volatile liquid trap 2 Integrated floater 3 Upper section

How it works

The basement drain not only prevents wastewater contaminated with light liquids from getting into the sewer, but also prevents wastewater pushed back from the sewer (backwater) from getting into the basement.

Volatile liquid trap

For installation in a concrete floor/slab

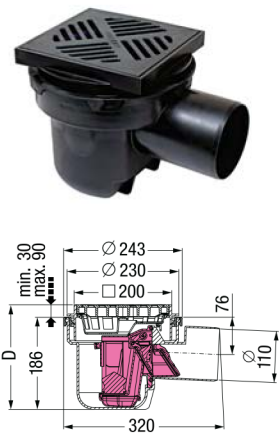
Made in polymer

With twin flap backwater valve,
 with integrated odour trap and sludge trap.
 Drainage capacity 1.0 l/sec flow rate.
 Installation area 400 × 250 mm

Cover:

Slotted cover 188 × 188 mm
 made of polymer, black, class K 3

↗ Accessories: see pages 276 – 277



Outer diameter Ø (mm)	Installation depth D in mm	Art. no.
Ø 110	216 – 276	52 101

CE EN 13564 Typ 5

Volatile liquid trap

For installation in a concrete floor/slab

Made in polymer

With integrated odour trap and sludge trap.
 Drainage capacity 1.0 l/sec flow rate.
 Installation area 400 × 250 mm

Cover:

Slotted cover 188 × 188 mm
 made of polymer, black, class K 3

↗ Accessories: see pages 276 – 277



Outer diameter Ø (mm)	Installation depth D in mm	Art. no.
Ø 110	216 – 276	51 101

Accessories

Volatile liquid traps

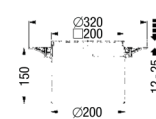
Variofix shallow bed upper section

for volatile liquid traps

Art. no.

Variofix shallow bed upper section

Inclusive: Waterproofing membrane
Cover: Slotted cover and rim in stainless steel AISI 304, screwed, class K 3



48 968

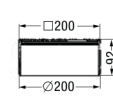
Upper section

for volatile liquid traps

Art. no.

Upper section

Cover: Slotted cover and rim in stainless steel AISI 304, screwed, class K 3



48 954

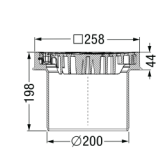
Extension section in Ecoguss

for volatile liquid traps

Art. no.

with support rim and slotted cover

Version: With support rim 250 × 250 mm
Cover: Round slotted cover in Ecoguss, Ø 235 mm, class B 125, Lock & Lift System



67 985

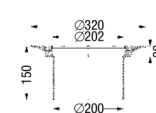
Extension section

for volatile liquid traps

Art. no.

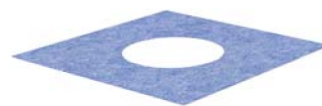
with pressure sealing flange and counter flange

Inclusive: Waterproofing layer against ground moisture
Height: 150 mm



27 298

Waterproofing membrane



48 651

2 component adhesive

Compatibility: For gluing of KESSEL waterproofing membranes

48 650

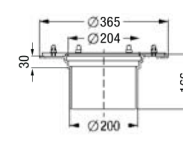
Extension section in Ecoguss

for volatile liquid traps

Art. no.

with pressure sealing flange and counter flange

Additional function: For installation in waterproof concrete
Height: 166 mm



48 958

Elastomer waterproof membrane

Material: NBR



48 982

Accessories

Volatile liquid traps

Extension section

for volatile liquid traps

		Art. no.	
Extension section	Material: PP Inclusive: Lip seal Height: 175 mm		48 988
			

Hole saw

		Outer pipe diameter in mm	Drill size in mm	Art. no.
Hole saw set	Inclusive: Saw blade holder		Ø 50 Ø 75 Ø 110	500 101
			60 92 121	

Rodent protection

for volatile liquid traps without twin flap backwater valve

		Art. no.
Rodent protection	Material: Stainless steel	27 609
		

Basement drains without backwater valve

The drain for uncomplicated applications.

Basement drains without backwater valves are ideally suitable for basements that lie above the backwater level, meaning they are not at risk of backwater flooding. We supply our basement drains without backwater valves with or without odour trap and/or sludge bucket as well as with lateral or vertical outlet.

Odour trap

We offer different drains with integrated odour traps to protect against unpleasant odours from the sewer. Many drains can also be equipped with our Multistop waterless odour trap, whose tightly sealing flap provides additional protection against foam and vermin.

Basement drain *Practicus*

For installation in a concrete floor/slab



Made in PP

With removable odour trap, with lip seal and protective cover or use during construction. Drainage capacity in l/sec with 20 mm / 10 mm threshold 1.8 l/sec / 1.1 l/sec.

Installation area:

lateral outlet: 220 × 180 mm
vertical outlet: 180 × 180 mm

With upper section in ABS

Cover:

Slotted cover 138 × 138 mm in ABS, black, class K 3

➔ **Accessories:** see page 280



Illustration shows Art. no. 45 110.40 (lateral outlet)

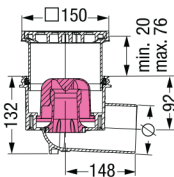


Illustration shows Art. no. 45 110.40 (lateral outlet)

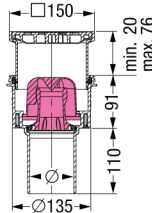


Illustration shows Art. no. 45 210.40 (vertical outlet)

Outer diameter Ø (mm)	Art. no.
Lateral outlet	
Ø 110	45 110.40
Vertical outlet	
Ø 110	45 210.40

Basement drain *Practicus*

For installation in a concrete floor/slab

Made in PP

With sludge trap,
with lip seal and protective cover
for use during construction.

Drainage capacity in l/sec
with 20 mm / 10 mm threshold
1.8 l/sec / 1.1 l/sec.

Installation area:
lateral outlet: 220×180 mm
vertical outlet: 180×180 mm

With upper section in ABS

Cover:
Slotted cover 138×138 mm in ABS,
black, class K 3

 **Accessories:** see page 280



Illustration shows
Art. no. 34 101 (lateral outlet)

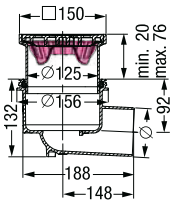


Illustration shows
Art. no. 34 101
(lateral outlet)

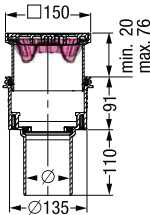


Illustration shows
Art. no. 34 102
(vertical outlet)



Outer diameter Ø (mm)	Art. no.
Lateral outlet	
Ø 110	34 101
Vertical outlet	
Ø 110	34 102

Basement drain

For installation in a concrete floor/slab

Made in PP

Lateral outlet 2.5°, with removable
odour trap and sludge trap.

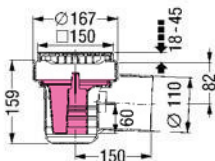
Drainage capacity 1.6 l/sec flow rate.

Installation area 220×280 mm

With upper section in PP

Cover:
Slotted cover 138×138 mm made in
polymer, black, class K 3

 **Accessories:** see page 280



Outer diameter Ø (mm)	Art. no.
Ø 110	36 501

Accessories

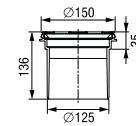
Basement drain *Practicus* without backwater valve

Extension sections

for basement drain *Practicus*

without lateral inlet

Material: PP
Inclusive: Lip seal



Art. no.

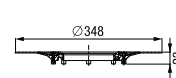
48 987

Flanges

for basement drain *Practicus*

**Glue flange
with counter flange**

Material: ABS



Art. no.

48 410

**Pressure sealing
flange**

Material: Stainless steel AISI 304



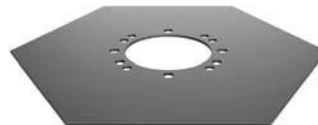
48 407

Elastomer waterproof membrane

for pressure sealing flange Art. no. 48 407

Membrane

Material: NBR



Art. no.

48 981

Hygiene and odour stop

for basement drain *Practicus*

Multistop

Function: Odour, foam, rodent and insect stop



Art. no.

48 500

Hair filter

Material: Polymer



48 700

**Bell-shaped odour trap
insert**

Sealing water height: 50 mm



27 169

Sludge trap


Material: Polymer



48 168

Accessories

Basement drain Art. no. 36 501 without backwater valve

Hole saw			Outer pipe diameter in mm	Drill size in mm	Art. no.
Hole saw set	Inclusive: Saw blade holder		Ø 50	60	500 101
			Ø 75	92	
			Ø 110	121	
Transition section			Outer diameter Ø (mm)		Art. no.
for basement drain Art. no. 36 501					
Transition section	Inclusive: Ø 110 socket / Ø 75 spigot for use as connection piece, gasket			Ø 75/110	27 602
Slotted cover / upper section / extension section			Art. no.		
for basement drain Art. no. 36 501					
Slotted cover	Material: ABS Version: Class K 3			60 101S	
Upper section	Material: PP			27 157	
Extension section	Material: Polymer Extension: Can be extended by 80 mm			36 590	