



Reliable backwater protection

Backwater protection for interior installation

Backwater protection for exterior installation

Protection from backwater

Backwater Protection - things you need to know

Prevention

Not properly protecting a building against backwater can result in damage that is extremely expensive to repair. As a preventative measure, all open fixtures (shower, floor drain, sink, toilet, clothes washer) located below ground level in a building should be equipped with a properly specified and installed KESSEL backwater valve. Taking preventative action is very inexpensive and assures that a building is protected against the costly affects of backwater damage.

How it works

A backwater valve is an item installed within the wastewater drainage pipe of a building. During normal conditions the valve allows wastewater being drained from the building to pass through it, but in the case of heavy rains, flooding or a blocked pipe, the backwater valve will prevent storm or floodwater from backing up in the drainage pipe and flooding the lower areas of the building.

KESSEL stands for quality

All KESSEL backwater valves Type 0 thru 5 are manufactured to the EN norms and also have passed strict internal KESSEL quality assurance standards which require the valves to perform to requirements unmatched in the drainage business.

Which *Staufix*® do you need ?

Depending on the type of installation there are various KESSEL backwater products to choose from. Check your country's EN 13564 backwater valve requirements for what type of valve is certified for use in your situation. In the case that this information is not available in your area, please contact KESSEL directly and we will glad to recommend a product best matching your needs. KESSEL offers a complete line of fully certified backwater valves from Type 0 thru Type 5.

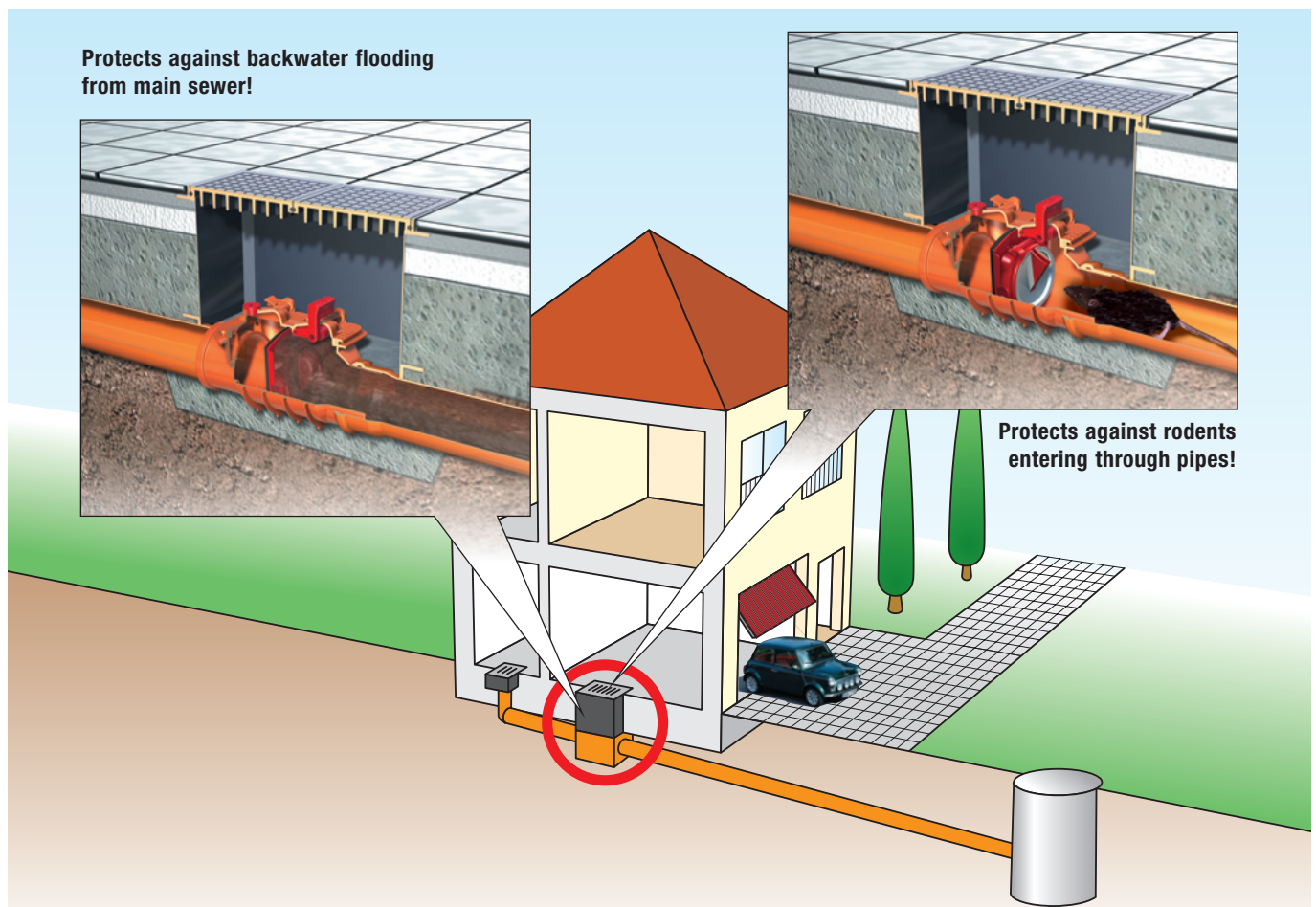
For in-line wastewater pipes

- Type 0** KESSEL *Staufix*® 71... Series
- Type 1** KESSEL *Staufix*® 72...
and *Eurofix-Clausio*®
- Type 2** KESSEL *Staufix*® 73...
and *SWA*
- Type 3** KESSEL *Staufix*® FKA, *Pumpfix*® F

For floor drains

- Type 4** KESSEL Single flap floor drains
- Type 5** KESSEL *Pumpfix*® S, *Drehfix*®,
Universal, *Volatile liquid traps*

Protection for your entire basement



Backwater protection for interior installation



Backwater protection for interior installation

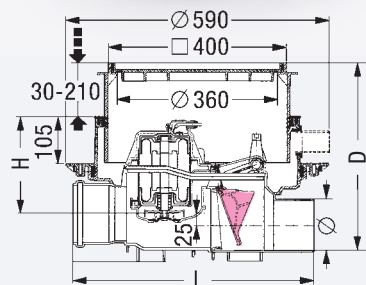
Backwater protection for exterior installation



Pumpfix® F backwater valve according to EN 12056 for installation in a concrete slab/floor

Backwater protection for interior installation

Illustration and dimensioned drawing



Installation area 650 x 650 mm

Ø 110	L: 545 mm	H: 262 mm
Ø 125	L: 555 mm	H: 255 mm
Ø 160	L: 585 mm	H: 238 mm

Article description

KESSEL Pumpfix® F backwater valve made of polymer

For installation in a concrete slab/floor
for installation depth (D) from 370 - 550 mm

Installation kit with choice of cover plate

- black cover
- recessed cover

(Tiles can be laid on-site in the cover plate).

Backwater pumping station according to EN 13564
Type 3 with pump (1kW/230V) and backwater valve,
use of pump when water backs up.

Control unit and alarm, Protection type IP 54, with integrated
self diagnosis system SDS and battery back-up,
pump is rated submersible, protection type IP 68 (3 m, 24 h).
Cable length: 5 m (15 m available on request)
Weight approx. 25 kg.

Certification no. Z-53.2-388

Accessories: Page R 8

Outer diameter Ø (mm)

Art. #

With black cover:

Ø 110	28100S
Ø 125	28125S
Ø 160	28150S

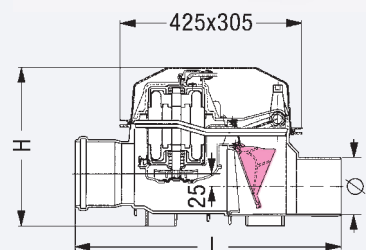
With recessed cover
for on-site tiling:

Ø 110	28100X
Ø 125	28125X
Ø 160	28150X

Pumpfix® F backwater valve according to EN 12056 for installation in an exposed wastewater pipe

Backwater protection for exterior installation

Illustration and dimensioned drawing



Ø 110	L: 545 mm	H: 343 mm
Ø 125	L: 555 mm	H: 343 mm
Ø 160	L: 585 mm	H: 343 mm

Article description

KESSEL Pumpfix® F backwater valve made of polymer

For installation in an exposed wastewater pipe

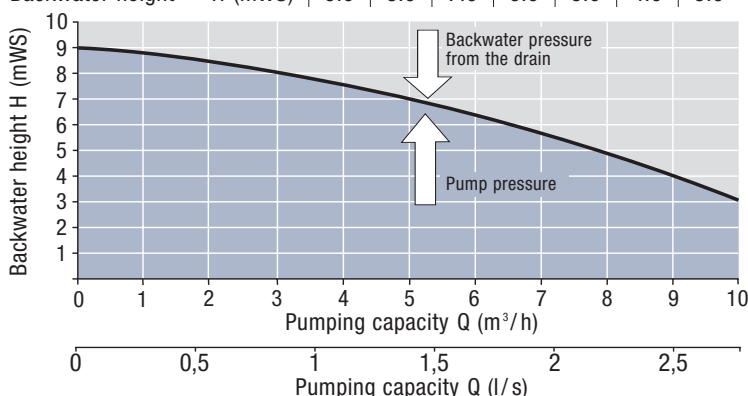
Backwater pumping station according to EN 13564
Type 3 with pump (1kW/230V) and backwater valve,
use of pump when water backs up.

Control unit and alarm, Protection type IP 54, with
integrated **self diagnosis system SDS and battery
back-up**, pump is rated submersible, protection type
IP 68 (3 m, 24 h).

With protective cover.

Cable length: 5 m (15 m available on request)
Weight approx. 20 kg.

Max. pumping capacity (m ³ /h)	0.0	3.0	5.0	6.5	7.8	9.0	10.0
Max. pumping capacity (l/s)	0.0	0.8	1.4	1.8	2.1	2.5	2.8
Backwater height H (mWS)	9.0	8.0	7.0	6.0	5.0	4.0	3.0



Outer diameter Ø (mm)

Art. #

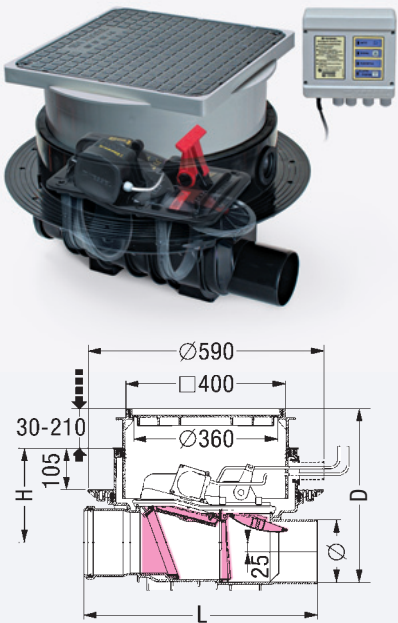
Ø 110	28100
Ø 125	28125
Ø 160	28150

Certification no. Z-53.2-388

Accessories: Page R 8

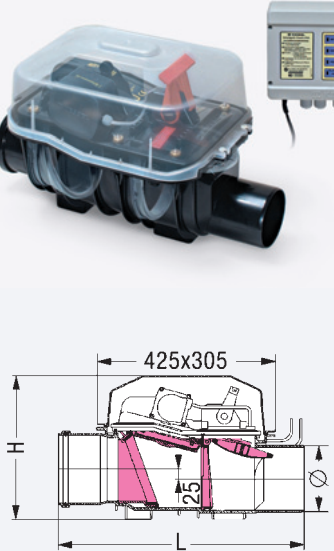


Staufix® FKA backwater valve according to EN 12056 for installation in a concrete slab/floor

Illustration and dimensioned drawing	Article description	Outer diameter Ø (mm)	Art. #												
 <p>Installation area 650 x 650 mm</p> <p>Ø 110 L: 545 mm H: 262 mm Ø 125 L: 555 mm H: 255 mm Ø 160 L: 585 mm H: 238 mm</p>	<p>KESSEL Staufix® FKA backwater valve made of polymer</p> <p>For installation in a concrete slab/floor for installation depth (D) from 370 - 550 mm</p> <p>With telescopic extension section for continuous height and level adjustment, surface water tight cover plate Class A 15 made of polymer.</p> <p>Backwater valve according to EN 13564 Type 3 with two open flaps.</p> <p>Control unit and alarm, Protection type IP 54, with integrated self diagnosis system SDS and battery back-up, motor is rated submersible, Protection Type IP 68 (3 m, 24 h).</p> <p>Installation kit with choice of cover plate</p> <p><input type="checkbox"/> black cover <input type="checkbox"/> recessed cover (Tiles can be laid on-site in the cover plate).</p> <p>Cable length: 5 m (15 m available on request) Weight approx. 17 kg.</p> <p>CE EN 13564 Type 3 F</p> <p>+ Accessories/Conversion kits: Page R 8</p>	<p>With black cover:</p> <table border="1"> <tr><td>Ø 110</td><td>83100S</td></tr> <tr><td>Ø 125</td><td>83125S</td></tr> <tr><td>Ø 160</td><td>83150S</td></tr> </table> <p>With recessed cover for on-site tiling:</p> <table border="1"> <tr><td>Ø 110</td><td>83100X</td></tr> <tr><td>Ø 125</td><td>83125X</td></tr> <tr><td>Ø 160</td><td>83150X</td></tr> </table>	Ø 110	83100S	Ø 125	83125S	Ø 160	83150S	Ø 110	83100X	Ø 125	83125X	Ø 160	83150X	
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Backwater protection for interior installation

Staufix® FKA backwater valve according to EN 12056 for installation in an exposed wastewater pipe


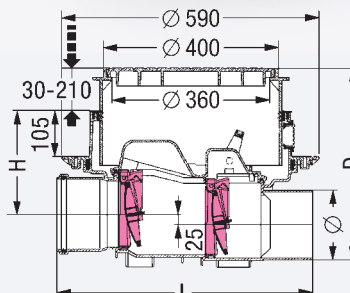
Illustration and dimensioned drawing	Article description	Outer diameter Ø (mm)	Art. #												
 <p>Ø 110 L: 545 mm H: 343 mm Ø 125 L: 555 mm H: 343 mm Ø 160 L: 585 mm H: 343 mm</p>	<p>KESSEL Staufix® FKA backwater valve made of polymer</p> <p>For installation in an exposed wastewater pipe</p> <p>With protective cover.</p> <p>Backwater valve according to EN 13564 Type 3 with two open flaps.</p> <p>Control unit and alarm, Protection type IP 54, with integrated self diagnosis system SDS and battery back-up, motor is rated submersible, Protection Type IP 68 (3 m, 24 h).</p> <p>Cable length: 5 m / 15 m Weight approx. 10 kg.</p> <p>CE EN 13564 Type 3 F</p> <p>+ Accessories/Conversion kits: Page R 8</p>	<p>Cable length: 5 m</p> <table border="1"> <tr><td>Ø 110</td><td>83100</td></tr> <tr><td>Ø 125</td><td>83125</td></tr> <tr><td>Ø 160</td><td>83150</td></tr> </table> <p>Cable length: 15 m</p> <table border="1"> <tr><td>Ø 110</td><td>83100 U1</td></tr> <tr><td>Ø 125</td><td>83125 U1</td></tr> <tr><td>Ø 160</td><td>83150 U1</td></tr> </table>	Ø 110	83100	Ø 125	83125	Ø 160	83150	Ø 110	83100 U1	Ø 125	83125 U1	Ø 160	83150 U1	
Ø 110	83100														
Ø 125	83125														
Ø 160	83150														
Ø 110	83100 U1														
Ø 125	83125 U1														
Ø 160	83150 U1														

Backwater protection for exterior installation




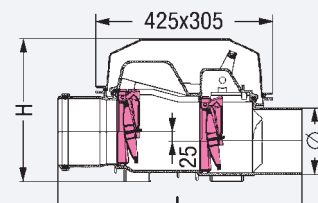
Staufix® SWA backwater valve according to EN 12056 for installation in a concrete slab/floor

Backwater protection for interior installation

Illustration and dimensioned drawing	Article description	Outer diameter Ø (mm)	Art. #
  <p>Installation area 650 x 650 mm</p> <p> Ø 110 L: 545 mm H: 262 mm Ø 125 L: 555 mm H: 255 mm Ø 160 L: 585 mm H: 238 mm </p>	<p>KESSEL Staufix® SWA backwater valve made of polymer, Ø</p> <p>For installation in a concrete slab/floor for installation depth (D) from 370 - 550 mm</p> <p>With telescopic extension section for continuous height and level adjustment, surface water tight cover plate Class A 15 made of polymer.</p> <p>Backwater flap valve according to EN 13564 Type 2 with two self-closing flaps, one of which can be locked by hand as an emergency closure.</p> <p>Installation kit with choice of cover plate</p> <p><input type="checkbox"/> black cover</p> <p><input type="checkbox"/> recessed cover (Tiles can be laid on-site in the cover plate).</p> <p>Weight approx. 15 kg.</p> <p>CE EN 13564 Type 2</p> <p>+ Accessories/Conversion kits: Page R 8</p>	With black cover:	
		Ø 110	73100.10S
		Ø 125	73125.10S
		Ø 160	73150.10S
		With recessed cover for on-site tiling:	
		Ø 110	73100.10X
		Ø 125	73125.10X
		Ø 160	73150.10X


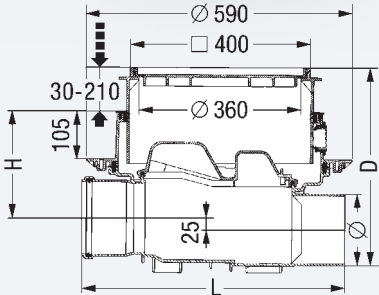
Backwater protection for exterior installation

Staufix® SWA backwater valve according to EN 12056 for installation in an exposed wastewater pipe

Illustration and dimensioned drawing	Article description	Outer diameter Ø (mm)	Art. #
  <p> Ø 110 L: 545 mm H: 343 mm Ø 125 L: 555 mm H: 343 mm Ø 160 L: 585 mm H: 343 mm </p>	<p>KESSEL Staufix® SWA backwater valve made of polymer, Ø</p> <p>For installation in an exposed wastewater pipe</p> <p>With protective cover made of polymer. Backwater flap valve according to EN 13564 Type 2 with two self-closing flaps, one of which can be locked by hand as an emergency closure.</p> <p>Weight approx. 8 kg.</p> <p>CE EN 13564 Type 2</p> <p>+ Accessories/Conversion kits: Page R 8</p>	Ø 110	73100.10
		Ø 125	73125.10
		Ø 160	73150.10


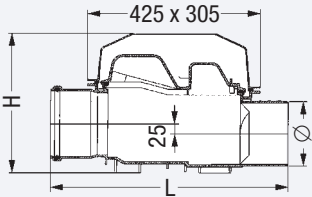


Controlfix clean out according to EN 12056 for installation in a concrete slab/floor

Illustration and dimensioned drawing	Article description	Outer diameter Ø (mm)	Art. #												
  <p>Installation area 650 x 650 mm</p> <p> Ø 110 L: 545 mm H: 262 mm Ø 125 L: 555 mm H: 255 mm Ø 160 L: 585 mm H: 238 mm </p>	<p>KESSEL Controlfix clean out made of polymer, Ø</p> <p>For installation in a concrete slab/floor for installation depth (D) from 370 - 550 mm</p> <p>With telescopic extension section for continuous height and level adjustment, surface water tight cover plate Class A 15 made of polymer.</p> <p>Installation kit with choice of cover plate</p> <p><input type="checkbox"/> black cover <input type="checkbox"/> recessed cover (Tiles can be laid on-site in the cover plate).</p> <p>Weight approx. 11 kg.</p> <p>CE</p> <p>+ Accessories/Conversion kits: Page R 8</p>	<p>With black cover:</p> <table border="1"> <tr><td>Ø 110</td><td>80100S</td></tr> <tr><td>Ø 125</td><td>80125S</td></tr> <tr><td>Ø 160</td><td>80150S</td></tr> </table> <p>With recessed cover for on-site tiling:</p> <table border="1"> <tr><td>Ø 110</td><td>80100X</td></tr> <tr><td>Ø 125</td><td>80125X</td></tr> <tr><td>Ø 160</td><td>80150X</td></tr> </table>	Ø 110	80100S	Ø 125	80125S	Ø 160	80150S	Ø 110	80100X	Ø 125	80125X	Ø 160	80150X	
Ø 110	80100S														
Ø 125	80125S														
Ø 160	80150S														
Ø 110	80100X														
Ø 125	80125X														
Ø 160	80150X														

Backwater protection for interior installation

Controlfix clean out according to EN 12056 for installation in an exposed wastewater pipe

Illustration and dimensioned drawing	Article description	Outer diameter Ø (mm)	Art. #						
  <p> Ø 110 L: 545 mm H: 343 mm Ø 125 L: 555 mm H: 343 mm Ø 160 L: 585 mm H: 343 mm </p>	<p>KESSEL Controlfix clean out made of polymer, Ø</p> <p>For installation in an exposed wastewater pipe With protective cover.</p> <p>Weight approx. 4 kg.</p> <p>CE</p> <p>+ Accessories/Conversion kits: Page R 8</p>	<table border="1"> <tr><td>Ø 110</td><td>80100</td></tr> <tr><td>Ø 125</td><td>80125</td></tr> <tr><td>Ø 160</td><td>80150</td></tr> </table>	Ø 110	80100	Ø 125	80125	Ø 160	80150	
Ø 110	80100								
Ø 125	80125								
Ø 160	80150								

Backwater protection for exterior installation



Accessories

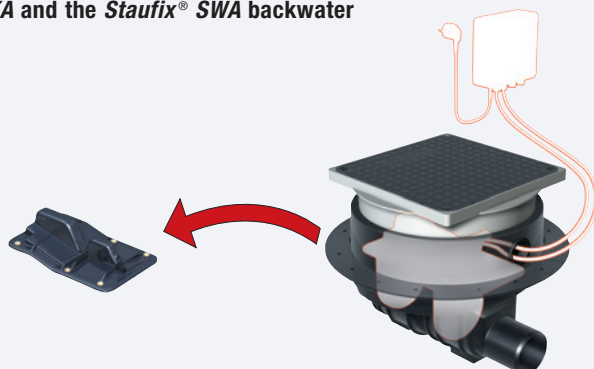
Reliable backwater protection

Illustration and dimensioned drawing	Article description	Outer diameter Ø (mm)	Art. #						
	Gasket set for installation in waterproof concrete consisting of: Counter flange made of polymer, incl. screws, elastomer waterproof membrane in NK/SBR Ø 800 mm max. ground water level 3 m	-	83023						
	Extension section with flange made of polymer, H = 180 mm, incl. gasket For gasket set Art. # 83023	-	83071						
	Potential-free contact Change-over contact 42 V / 0.5 A; Additional circuit board with a potential-free contact e.g. for connecting control unit to BMS (Building Management System).	-	80072						
	Audible alarm Electronic audible alarm (continuous tone) with connection cable 20 m Minimum current consumption 5 - 25 mA, audible tone 4.7 KHz - 90 dB, large voltage range 6 - 24 V DC; Dimension Ø 31 x 15 mm.	-	20162						
	Conversion kit Pumpfix® F For conversion to Pumpfix® F backwater valve.	With 15 m cable length:	<table border="1"> <tr> <td>Ø 110</td> <td>205-091</td> </tr> <tr> <td>Ø 125</td> <td>205-092</td> </tr> <tr> <td>Ø 160</td> <td>205-093</td> </tr> </table>	Ø 110	205-091	Ø 125	205-092	Ø 160	205-093
Ø 110	205-091								
Ø 125	205-092								
Ø 160	205-093								
	Conversion kit Staufix® FKA For conversion to Staufix® FKA backwater valve.	With 15 m cable length:	<table border="1"> <tr> <td>Ø 110</td> <td>80083</td> </tr> <tr> <td>Ø 125</td> <td>80082</td> </tr> <tr> <td>Ø 160</td> <td>80082</td> </tr> </table>	Ø 110	80083	Ø 125	80082	Ø 160	80082
Ø 110	80083								
Ø 125	80082								
Ø 160	80082								
	Conversion kit Staufix® SWA For conversion from Controlfix clean out to Staufix® SWA backwater valve.	<table border="1"> <tr> <td>Ø 110</td> <td>80095</td> </tr> <tr> <td>Ø 125</td> <td>80095</td> </tr> <tr> <td>Ø 160</td> <td>80095</td> </tr> </table>	Ø 110	80095	Ø 125	80095	Ø 160	80095	
Ø 110	80095								
Ø 125	80095								
Ø 160	80095								



Easy conversion!

Conversion kits available for the **Pumpfix® F**, **Staufix® FKA** and the **Staufix® SWA** backwater valves.



Conversion kit
Pumpfix® F



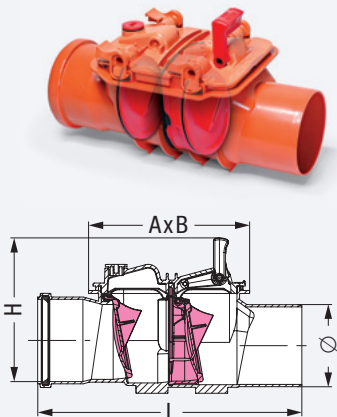
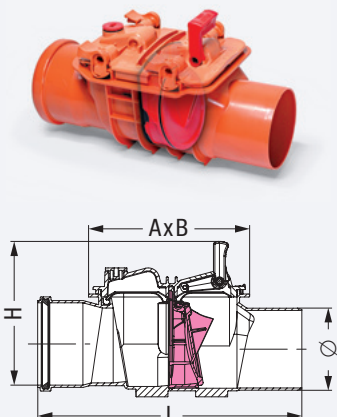
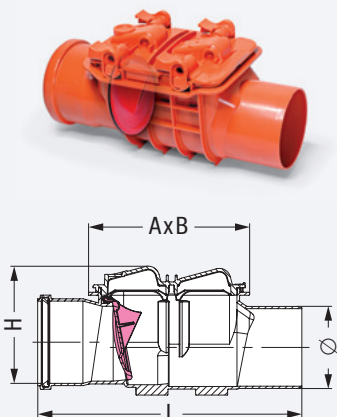
Conversion kit
Staufix® FKA



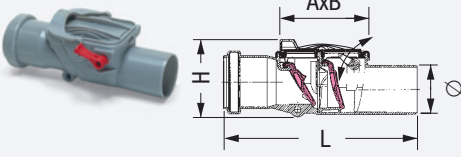
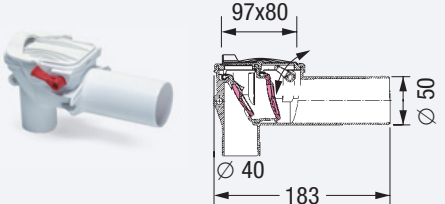
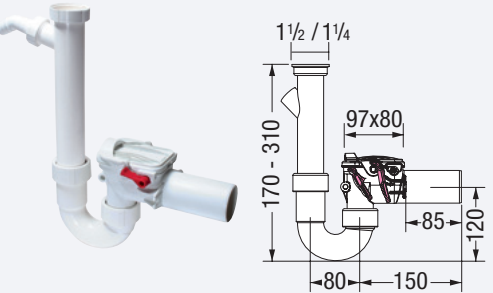
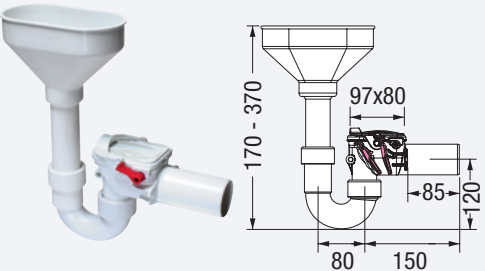
Conversion kit
Staufix® SWA



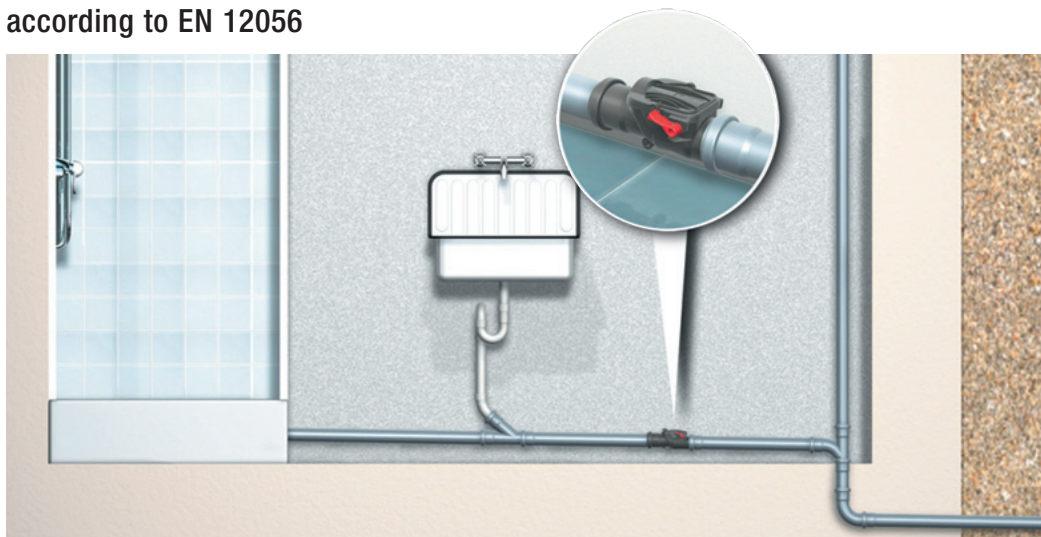
Staufix® backwater valves
according to EN 12056

Illustration and dimensioned drawing	Article description	Outer diameter Ø (mm)	Art. #																
 <p>Installation area 650 x 300 mm</p>	<p>KESSEL Staufix® twin flap backwater valve with emergency closure made of polymer, Ø</p> <p>Twin flaps, self-closing, one of which can be locked by hand as an emergency closure.</p> <p>Inlet/outlet for connection to PVC pipe according to DIN 19534.</p> <p>Ø 110 L: 355 H: 180 + 25 A x B: 205 x 155 mm Ø 125 L: 405 H: 240 + 40 A x B: 270 x 200 mm Ø 160 L: 450 H: 240 + 40 A x B: 270 x 200 mm Ø 200 L: 530 H: 278 + 50 A x B: 353 x 248 mm</p> <p>CE EN 13564 Type 2</p>	<p>With 2 polymer flaps:</p> <table border="1"> <tr><td>Ø 110</td><td>73100</td></tr> <tr><td>Ø 125</td><td>73125</td></tr> <tr><td>Ø 160</td><td>73150</td></tr> <tr><td>Ø 200</td><td>73200</td></tr> </table> <p>With 1 polymer flap and 1 stainless steel flap (Rodent protection):</p> <table border="1"> <tr><td>Ø 110</td><td>73100R</td></tr> <tr><td>Ø 125</td><td>73125R</td></tr> <tr><td>Ø 160</td><td>73150R</td></tr> </table>	Ø 110	73100	Ø 125	73125	Ø 160	73150	Ø 200	73200	Ø 110	73100R	Ø 125	73125R	Ø 160	73150R			
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Ø 200	73200																		
Ø 110	73100R																		
Ø 125	73125R																		
Ø 160	73150R																		
 <p>Installation area 650 x 300 mm</p>	<p>KESSEL Staufix® single flap backwater valve with emergency closure made of polymer, Ø</p> <p>Flap self-closing and can be locked by hand as an emergency closure.</p> <p>Inlet/outlet for connection to PVC pipe according to DIN 19534.</p> <p>Ø 100 L: 355 H: 180 + 25 A x B: 205 x 155 mm Ø 110 L: 355 H: 180 + 25 A x B: 205 x 155 mm Ø 125 L: 405 H: 240 + 40 A x B: 270 x 200 mm Ø 160 L: 450 H: 240 + 40 A x B: 270 x 200 mm Ø 200 L: 530 H: 278 + 50 A x B: 353 x 248 mm</p> <p>CE EN 13564 Type 1</p>	<p>With 1 polymer flap:</p> <table border="1"> <tr><td>Ø 100</td><td>77100</td></tr> <tr><td>Ø 110</td><td>72100</td></tr> <tr><td>Ø 125</td><td>72125</td></tr> <tr><td>Ø 160</td><td>72150</td></tr> <tr><td>Ø 200</td><td>72200</td></tr> </table> <p>With 1 stainless steel flap (Rodent protection):</p> <table border="1"> <tr><td>Ø 110</td><td>72100R</td></tr> <tr><td>Ø 125</td><td>72125R</td></tr> <tr><td>Ø 160</td><td>72150R</td></tr> </table>	Ø 100	77100	Ø 110	72100	Ø 125	72125	Ø 160	72150	Ø 200	72200	Ø 110	72100R	Ø 125	72125R	Ø 160	72150R	
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 <p>Installation area 650 x 300 mm</p>	<p>KESSEL Staufix® single flap backwater valve made of polymer, Ø</p> <p>Flap self-closing.</p> <p>Inlet/outlet for connection to PVC pipe according to DIN 19534.</p> <p>Ø 100 L: 355 H: 170 A x B: 205 x 155 mm Ø 110 L: 355 H: 170 A x B: 205 x 155 mm Ø 125 L: 405 H: 230 A x B: 270 x 200 mm Ø 160 L: 450 H: 230 A x B: 270 x 200 mm Ø 200 L: 530 H: 278 A x B: 353 x 248 mm</p> <p>CE EN 13564 Type 0</p>	<table border="1"> <tr><td>Ø 100</td><td>76100</td></tr> <tr><td>Ø 110</td><td>71100</td></tr> <tr><td>Ø 125</td><td>71125</td></tr> <tr><td>Ø 160</td><td>71150</td></tr> <tr><td>Ø 200</td><td>71200</td></tr> </table>	Ø 100	76100	Ø 110	71100	Ø 125	71125	Ø 160	71150	Ø 200	71200							
Ø 100	76100																		
Ø 110	71100																		
Ø 125	71125																		
Ø 160	71150																		
Ø 200	71200																		

Staufix® Ø 50 / Ø 75 twin flap backwater valves / Staufix® Siphon Ø 50
according to EN 12056

Illustration and dimensioned drawing	Article description	Outer diameter Ø (mm)	Art. #
 <p>Ø 50 L: 196 mm H: 80 mm AxB: 97 x 80 mm Ø 75 L: 285 mm H: 150 mm AxB: 175 x 120 mm</p>	<p>KESSEL Backwater twin flap valve Staufix® Ø ... for exposed wastewater pipes made of polymer.</p> <p>Twin flaps, self-closing, one of which can be locked by hand as an emergency closure. Inlet/outlet for connection to HT-pipe according to DIN 19560.</p> <p>CE EN 13564 Type 2</p>	Ø 50	73050
	<p>KESSEL Backwater twin flap valve Staufix® Siphon Ø 50 for washing stand siphons for wastewater, made of polymer.</p> <p>Twin flaps, self-closing, one of which can be locked by hand as an emergency closure, incl. wall attachment, inlet connection Ø 40 (1 1/2 inch) at pipe odour trap. Outlet Ø 50 for connection to HT-pipe according to DIN 19560.</p> <p>CE EN 13564 Type 5</p>	Ø 50	73051
	<p>KESSEL Backwater twin flap valve Staufix® Siphon Ø 50 Model with pipe odour trap and washing machine connection for wastewater, made of polymer.</p> <p>Twin flaps, self-closing, one of which can be locked by hand as an emergency closure, incl. wall attachment, outlet Ø 50 for connection to HT-pipe according to DIN 19560.</p> <p>CE EN 13564 Type 5</p>	Ø 50	73052
	<p>KESSEL Backwater twin flap valve Staufix® Siphon Ø 50 Model with pipe odour trap and inlet funnel, ideal for the emergency overflow of heating systems, made of polymer.</p> <p>Two flaps, self-closing, one of which can be locked by hand as an emergency closure, incl. wall attachment. Outlet Ø 50 for connection to an HT-pipe according to DIN 19560.</p> <p>CE EN 13564 Type 5</p>	Ø 50	73053

Staufix® Ø 50 / Ø 75 twin flap backwater valves / Staufix® Siphon Ø 50
according to EN 12056



For exposed wastewater pipes Ø 50, Ø 75



For washing stand siphons



Model with pipe odour trap and washing machine connection

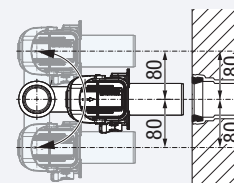


Model with inlet funnel, ideal for emergency overflow of heating systems

KESSEL - typical advantages

The „little“ backwater valve with the big Staufix® name

- Preventative backwater protection in new construction – also excellent for renovation
- Quick and easy installation
- Also prevents flooding from additional wastewater drainage pipes connected to same drainage system
- Also used as rodent / insect protection
- Optimal pipe access / cleaning
- Tool free maintenance
- One of a kind
- Locking lever can be installed on either side (Ø 50)
- Staufix® Siphon Ø 50 wall mounted



Backwater flap valves according to DIN 12056

Illustration and dimensioned drawing	Article description	Outer diameter Ø (mm)	Art. #
	<p>KESSEL Multitube single flap backwater valve for wastewater made of polymer</p> <p>Flap self-closing.</p> <p>Dimensions in mm: Ø 260 H: 485 L: 730 A x B: 680 x 440 Ø 320 H: 490 L: 840 A x B: 530 x 460 Ø 400 H: 605 L: 990 A x B: 655 x 590 Ø 510 H: 670 L: 1245 A x B: 960 x 710 with connection couplings*.</p> <p>Connection couplings allow connection to pipes with the following outer diameters: Ø 250: 250 - 275 mm Ø 500: 495 - 525 mm Ø 300: 310 - 335 mm Ø 400: 385 - 410 mm</p> <p>CE EN 13564 Type 0</p>	Ø 260 71250 Ø 320 71300 Ø 400 71400 Ø 510 71500	
	<p>KESSEL Pipe flap valve for wastewater made of polymer</p> <p>Flap self-closing.</p> <p>Inlet/outlet for connection to PVC pipe according to DIN 19534.</p> <p>Ø 110 L: 120 mm Ø 125 L: 136 mm Ø 160 L: 142 mm Ø 200 L: 170 mm</p> <p>CE EN 13564 Type 0</p>	Ø 110 79100 Ø 125 79125 Ø 160 79150 Ø 200 79200	
	<p>KESSEL Pipe flap valve for wastewater made of polymer</p> <p>Flap self-closing.</p> <p>Dimensions in mm: Ø 250 H: 400 L: 220 B1: 345 B2: 280 Ø 315 H: 450 L: 360 B1: 400 B2: 410 without connection coupling, connection according to DIN 19534</p> <p>Ø 400 H: 540 L: 390 B1: 485 B2: 495 Ø 515 H: 680 L: 500 B1: 590 B2: 620 Ø 600 H: 770 L: 530 B1: 730 B2: 730 with connection coupling*.</p> <p>Connection couplings allow connection to pipes with the following outer diameters: Ø 400: 385 - 410 mm Ø 500: 495 - 525 mm Ø 600: 590 - 620 mm</p> <p>CE EN 13564 Type 0</p>	Ø 250 79250 Ø 315 79300 Ø 400 79400 Ø 515 79500 Ø 600 79600 Other diameters available on request	

*With connection couplings it is possible to connect pipes of different diameters. Compensating rings are necessary where the difference in outer diameter is > 12 mm. Rights reserved for technical changes