

## Application

Baufix 200 is available as an underfloor and above floor sump and for bigger wastewater volume and larger storage capacity. Without requiring a great deal of construction work, it disposes of wastewater from laundries, storage or cellar areas. The disposal of faeces is not permitted.

Baufix 200 can be installed as a single as well as duplex system. The required components for the installation of the pump are part of the scope of supply. The duplex system provides bigger security in the disposal in wastewater. In normal operation the two pumps operate alternately or at the same time to cope with peak load. The control unit operates the duplex system depending on the type of pump (see accessories).

The pump to be placed can be selected according to the amount of wastewater. The dirty water to be transported and the pumping power required have to be taken into consideration in particular. In case of slightly dirty water (grain size max. 10 mm), pumps U 3 K, U 5 K as well as U 6 K E+D can be used. If the admixtures are larger or the volume of waste-water is bigger, the use of a pump of the US series is recommendable. Pumps US 73+103 Ex are used in hazardous areas. In case of commercial applications, the resistance of the materials have to be tested in advance.

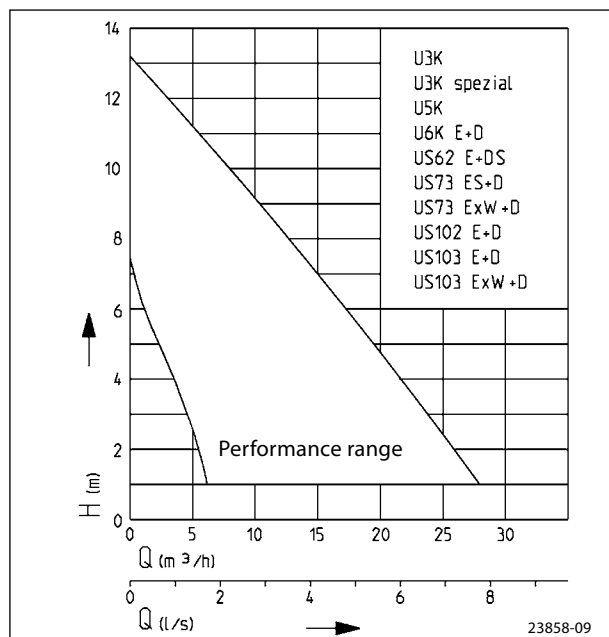
Without formwork, the pressure-resistant plastic container is placed into the concrete bed and forms a collecting tank for underfloor pipework. The installation in areas subject to the ground-water flooding is permitted only along with additional measures (water-tight concrete shell) as the connection between PE and concrete does not withstand pressing water.

By subsequently adjusting the plastic cover frame, the sump cover can be adapted easily and variably to the floor and tile conditions.

Application as an above-ground sump with odour-tight cover is also possible with the appropriate version.

The unit is in conformity with the specification of German / European standard DIN EN 12050.

## Performance



We reserve the right to change specifications without notice  
 Pump performance is subject to ISO 9906 tolerances



- Odour trap
- Floor drain
- Underfloor and above-floor version
- Single and duplex system
- Complete tank pressure pipe with duplex swing-type check valve
- Level-compensating frame
- Extendable tank neck



## Underfloor sump Baufix 200

## Above floor sump Baufix 200

### Baufix 200

Type	Dimensions H x W x D	Weight	Article No.
Baufix 200 sump underfloor with cover and floor drain, without pumps	760 x 760 x 740 mm	20.5 kg	JP 09991
Baufix 200 sump above floor with cover, without pumps	770 x 760 x 740 mm	17.5 kg	JP 09976

### Performance

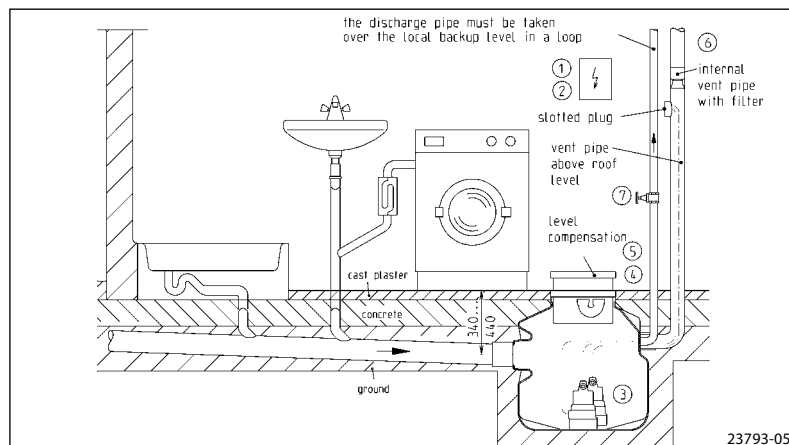
Types	Delivery head H [m]	1	2	3	4	5	6	7	8	9	10	11	12
U 3 K	Delivery rate Q [m³/h]	6.5	5.5	5	4	3	1.5						
U 3 K special		6.5	5.5	5	4	3	1.5						
U 5 K		11	10.5	9	7.5	6.5	4.5	2.5					
U 6 K E/D		15.5	14	12.5	11	9	7.5	5.5	3.5	1.5			
US 62 E		19	17	15	12	10	8	6	4	2			
US 62 D		22	20	17	15	12	10	8	6	4			
US 73 E		19	17	15	12	10	8	6	4	2			
US 73 D		22	20	17	15	12	10	8	6	4			
US 102 E/D		28	26	23	21	19	17	15	12	10	8	5	2
US 103 E/D		28	26	23	21	19	17	15	12	10	8	5	2
US 73 Ex W		19	17	15	12	10	8	6	4	2			
US 73 Ex D		22	20	17	15	12	10	8	6	4			
US 103 Ex W/D		28	26	23	21	19	17	15	12	10	8	5	2

Caution ! When used as a single system, a pump with float switch fitted has to be selected.

### Electrical data

Baufix sump optionally with type	Type of current	Voltage Volt	Motor rating kW		RPM min. <sup>-1</sup>	Current Ampere	Motor protection	Plug
			P <sub>1</sub>	P <sub>2</sub>				
U 3 K	1-phase	1/N/PE~230	0.32	0.20	2720	1.4		Safety-
U 3 K special	1-phase	1/N/PE~230	0.32	0.20	2720	1.4		Safety-
U 5 K	1-phase	1/N/PE~230	0.52	0.38	2716	2.3		Safety-
U 6 K E	1-phase	1/N/PE~230	0.75	0.49	2645	3.3		Safety-
U 6 K D	3-phase	3/PE~400	0.75	0.55	2678	1.3		CEE-
US 62 E	1-phase	1/N/PE~230	0.83	0.50	2510	3.9	installed in the winding	Safety-
US 62 D	3-phase	3/PE~400	0.85	0.65	2715	1.4		CEE-
US 73 E	1-phase	1/N/PE~230	0.83	0.50	2510	3.9		Safety-
US 73 D	3-phase	3/PE~400	0.85	0.60	2800	1.4		CEE-
US 102 E	3-phase	1/N/PE~230	1.37	0.98	2700	6.0		Safety-
US 102 D	3-phase	3/PE~400	1.36	1.06	2740	2.4		CEE-
US 103 E	1-phase	1/N/PE~230	1.37	0.98	2700	6.0		Safety-
US 103 D	3-phase	3/PE~400	1.36	1.06	2740	2.4		CEE-
US 73 Ex W	1-phase	1/N/PE~230	0.83	0.50	2510	3.9	in the control + winding thermostat	without
US 73 Ex D	3-phase	3/PE~400	0.85	0.60	2800	1.4		without
US 103 Ex W	1-phase	1/N/PE~230	1.37	0.98	2700	6.0		without
US 103 Ex D	3-phase	3/PE~400	1.36	1.06	2740	2.4		without

### Mounting arrangement Baufix 200



When used downstream of the backpressure level, German / European standard DIN EN 12056 requires the pressure pipe to be connected elastically and to be passed over the locally defined backpressure level in a loop. Moreover, the installation of a non-return valve is prescribed, which has been tested in keeping with German / European standard DIN EN 12050-4. In addition, we recommend an alarm system for monitoring.

## Accessories

			Code No.	Single unit	Duplex unit
	①	<b>Alarm system</b> with submersible ball contact switch, separate, mains-dependent, with potential-free contact and 3 m cable	JP 16723	•	
		<b>Alarm system</b> ditto with 9.5 m cable	JP 24434	•	
		<b>Alarm system AW 3</b> with <b>washing machine stop</b> with submersible ball contact switch, separate, mains-dependent, and 3 m cable	JP 25090	•	
		<b>Alarm system AW 10</b> with <b>washing machine stop</b> ditto with 9.5 m cable	JP 25091	•	
		<b>Alarm system AWO</b> with <b>washing machine stop</b> (plug housing - for alarm forwarding in case of several washing machines)	JP 25233	•	
		<b>Control unit AD 4 Ex W</b> (only for US 73 Ex W)	JP 25901	•	
		<b>Control unit AD 8 Ex W</b> (only for US 103 Ex W)	JP 25902	•	
		<b>Control unit AD 23 Ex</b> (only for US 73 Ex D)	JP 09754	•	
		<b>Control unit AD 25 Ex</b> (only for US 103 Ex D)	JP 09683	•	
		<b>Auxiliary switch unit ExH-A</b> (for explosion-proof pumps only)	JP 16720	•	
		<b>Level switch</b> , for US 73 Ex and US 103 Ex (single system)	upon request		
	①	<b>Control unit BD 00 E</b> (AC pumps)	JP 00482		•
		<b>Control unit BD 00</b> (three-phase pumps)	JP 00299		•
		<b>Control unit BD 23 Ex</b> (only for US 73 Ex D)	JP 09755		•
		<b>Control unit BD 25 Ex</b> (only for US 103 Ex D)	JP 09681		•
		<b>Auxiliary switch unit ExH-B</b> (for explosion-proof pumps only)	JP 00295		•
		<b>Submersible switch pack</b> , completely mounted Control units for duplex systems with pumps US 73 Ex W and US 103 Ex W upon request	JP 23857		•
		<b>Submersible switch pack</b> , completely mounted, for grease-containing waste-water Recommended for use with grease separators. Pipes especially resistant to oil and hydrolysis.	JP 42230		•
	②	<b>Rechargeable battery</b> for mains-independent alarm	JP 07562	•	•
	③	<b>Seal leak detector</b> DKG (for US pumps only)	JP 00252	•	•
		DKG Ex (only for US 73 Ex + US 103 Ex)	JP 00249	•	•
	④	<b>Cover plate</b> , stainless steel, to be tiled with floor drain and odour trap	JP 24024	•	•
	⑤	<b>Cover frame</b> stainless steel	JP 28118	•	•
	⑥	<b>Special ventilation</b> , special filter with housing	JP 27484	•	•
	⑦	<b>Stop valve</b> , 1½" (DN 40), PN 16	H B D 125 max. 60 1½"	•	•

## Mounting instructions

### Floor-level compensation

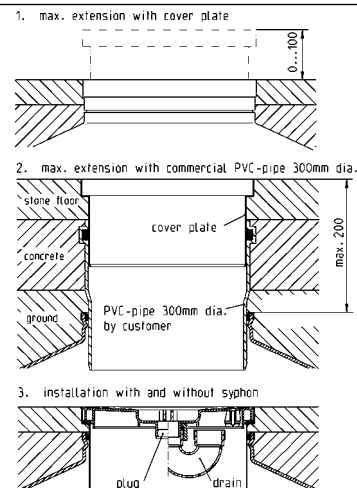
The cover with the round throat shoulder in the sump opening can be aligned vertically and rotationally. Thus, Baufix can be adapted to the effective upper edge of floor coverings or tiles laid at a later point. A profile sealing ring is used to seal the space between sump and cover.

### Extended floor level compensation (to be provided by customer)

If and when required, a commercially available DN 300 pipe can be used by the customer to increase the installation depth up to approx. 200 mm. The pumps have to be accessible for maintenance work. The PVC pipe is inserted into the tank instead of the cover frame. The frame is then pushed into the socket of the PVC pipe.

### Odour trap

An odour trap is provided as a standard for the floor drain. The necessary siphon components belong to the scope of supply.



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## Technical data

### For underfloor and above-ground systems

#### Tank

Water-tight PE tank (220 l) with connecting piece for one inlet DN 150/200 and one DN 100, connecting piece for ventilation / cable conduit (DN 70) and connecting piece for pressure pipe DN 40 (PVC pipe, diam. 50 mm), level-compensating plastic frame, odour-tight plastic cover (screw fitted) and odour-tight floor drain. Supplied with odour-tight lockable cover when supplied as an above-ground version.

All junctions (tank / plastic cover frame and plastic cover frame / cover plate) are fitted with profiled seals.

#### Installation

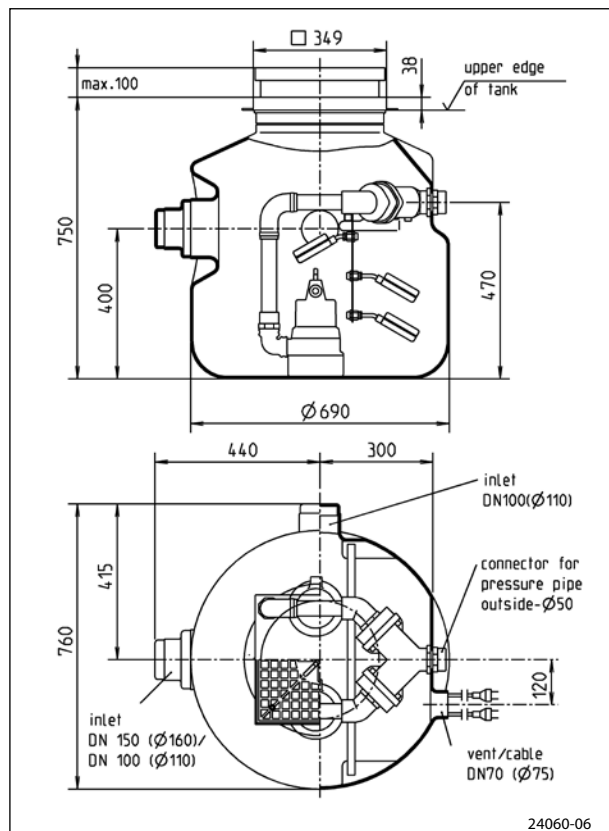
Place the underfloor tank in the prepared pit and align. Make the pipe connections, and encase the sump with concrete flush with the upper edge. Insulation, screed and flooring material are levelled by the height-adjustable plastic cover frame.

Screw the pipe connection supplied into the pressure line connection of the pump (shorten pipe length as specified). Use the elastic pipe connections to connect the pump to the premounted Y section in the sump. Pass the power cable of the pump and the KT switch through the venting line up to the T piece (to be provided by the customer according to the installation drawing). The outlet is then sealed odour-tight with the closing plug provided. If ventilation is not possible via the roof, the special ventilation system (see accessories / installation drawing) can be used.

### Scope of supply

Plastic tank to house a pump tested in keeping with German / European standard DIN EN 12050 with shaped connecting piece optionally with cover and seal (above-ground version) or with level-compensating plastic cover frame with cover plate and odour trap for floor drain (underfloor version), hose connection, premounted pressure pipe with duplex swing-type check valve, plug for cable conduit, without pumps.

### Dimensions Baufix 200 underfloor (mm)



### Dimensions Baufix 200 above floor (mm)

