



Product applications



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PENTAIR JUNG PUMPEN

is a German market leader in many areas of residential and municipal drainage technology. Pentair Jung Pumpen products are sold in every continent. We rely on a strong partnership with our customers and partners worldwide.

- **Quality "made in Germany"** due to a high manufacturing depth.
- We offer an **international sales network** with competent sales representatives and distributors
- We provide **unique customer service**. We're there wherever you need us.
- Our service also extends to **providing expert advice** and an open ear for all your questions.
- **Close to our customers – close to you!**



DISPOSAL OF WATER FROM COFFEE MACHINES

COFFEESHOPS



HEBEFIX PLUS
ABOVE FLOOR TANK

CHALLENGE

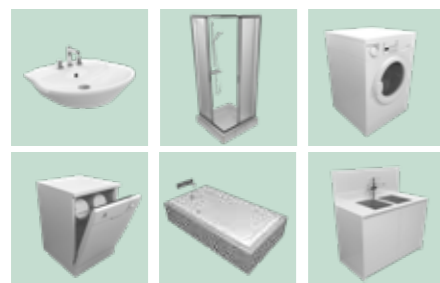
- Pump residual water and cleaning water from the coffee machines into the existing sewage pipe.
- The sewage pipe is located far away and below the back-water level.

SOLUTION

- **Hebefix plus** is installed behind cabinetry to discharge waste water from the coffee machine to the main drain pipe located at the opposite side of the coffee shop.
- Thanks to the small depth of its tank, it can be used in all commercial pre-wall installation systems
- The attractive design and intelligent technology also allow it to be fitted directly under a washbasin.

YOUR BENEFITS

- Easy and quick installation
- Pump and alarm system included in the supply package
- Ventilation system with activated carbon filter
- Low level activation and additional inlets
- Quiet and reliable operation



DISPOSAL OF CONDENSATE FROM OVENS, FRIDGES AND AIR-CONDITIONING SYSTEMS

SUPERMARKETS



HEBEFIX MINI
ABOVE FLOOR TANK

CHALLENGE

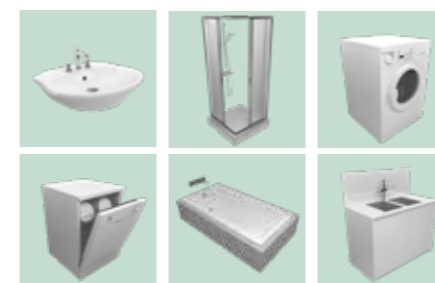
- Remove residual condensate water from bread ovens.
- The ovens are often installed in the centre of the supermarket. Means that they are too far from the main pipe.

SOLUTION

- **Hebefix mini** is the smallest of the Hebefix series and can be installed inconspicuously next to an oven.
- Condensate from chilled display counters and air-conditioning systems can also be pumped with the Hebefix mini.
- Three inlets (2 x DN 50, 1 x DN 40) and a discharge branche DN 25/DN 32 make the Hebefix mini a flexible device.
- It has got the right dimensions to find room in the smallest spaces.

YOUR BENEFITS

- Easy and quick installation
- Suitable for aggressive media
- Hot water up to 55° C (short-term 70 °C)
- Quiet operation
- Wall or floor mounting





DISPOSAL OF WATER
FROM DISHWASHERS / SINKS

RESTAURANTS



HEBEFIX 100 H

ABOVE FLOOR TANK - HOTWATER

CHALLENGE

- Discharge of hot waste water e.g. from industrial dishwashers.
- Restaurant located in the basement of e.g. a shopping mall does not have the chance to dispose the water by gravity

NOTE:

The waste water from kitchens in restaurants contains fats and oils. These must be disposed of via a grease separator before the lifting unit.

SOLUTION

- **Hebefix 100 H** is a floor-mounted tank made of high quality PE, which is resistant to waste water temperatures up to 176 ° F (80° C).
- For the disposal of waste water from commercial areas. An optimal alternative to complex special containers.
- The Hebefix 100 H is a free-standing plastic tank (approx. 75 l) with four combination inlets for pipes with an external diameter of 50 or 110 mm.
- Perfectly adapted to commercial uses.

YOUR BENEFITS

- Easy and quick installation
- Resistant to waste water temp. up to 176 ° F (80° C)
- For use with special hot water pumps
- Pressure pipe enclosed can be passed out of the tank (left or right side)
- Quiet operation



DISPOSAL OF WATER
FROM DISHWASHERS / SINKS

OFFICE KITCHENS



HEBEFIX PLUS

ABOVE FLOOR TANK

CHALLENGE

- Pump residual water and cleaning water from the tea kitchen of office rooms into the existing sewage pipe.
- The sewage pipe is located below the backwater level.

SOLUTION

- **Hebefix plus** will be installed behind cabinetry to discharge waste water from the dishwasher and sink to the main drain pipe located at the opposite side of the office.
- Thanks to the small depth of its tank, it can be used in all commercial pre-wall installation systems
- The attractive design and intelligent technology also allow it to be fitted directly under a washbasin.

YOUR BENEFITS

- Easy and quick installation
- Pump and alarm system included in the supply package
- Ventilation system with activated carbon filter
- Low level activation and additional inlets
- Quiet operation





DISPOSAL OF TOILET WASTE WATER FROM BASEMENT

BARS / CAFES



COMPLI 1000
SEWAGE LIFTING STATION

CHALLENGE

- Disposal of sewage water from toilets which are installed in the basement of a bar or cafe.
- The sewage pipe is located below the backwater level, means that there is no chance to dispose the water by gravity.

SOLUTION

- The **compli 1000** is one of our series of duplex units. It should be installed where additional security is demanded.
- In certain cases the use of duplex systems is advisable or may even be required by the regulations. I. e. public applications like restaurants or bars.
- Its duplex pump units work either together to absorb peak loads or alternately, with the other pump unit on standby.
- Compli 1000 is ready to plug in, submersible, and made of high quality PE.



- YOUR BENEFITS**
- Ready to connect
 - Submersible
 - Stainless steel inlet flange
 - Duplex swing-type check valve
 - PE-tank capacity approx. 115 Ltr.



DISPOSAL OF WASTE WATER FROM TOILETS / SINKS

OFFICE TOILETS



WCFIX PLUS
SEWAGE LIFTING STATION

CHALLENGE

- Disposal of sewage water from toilets and sinks which are installed in the basement of office rooms.
- The sewage pipe is located below the backwater level, means that there is no chance to dispose the water by gravity.

NOTE:
Sewage lifting station just for use by a limited number of users, preferably in a private environment based on DIN EN 12050-3.

SOLUTION

- The **WCfix plus** is an absolute all-rounder. Not only its attractive product design is impressive, it also features flexible connection options.
- It can be fitted invisibly into a standard pre-wall system or connected directly to a floor-standing toilet with a minimum flush volume of 6 litres.
- The WCfix plus is particularly quiet as it do not have a cutting unit.
- It is not necessary to have access to the collection chamber in the event of faults due to improper use, as the motor/pump unit can be easily removed as a compact assembly.



- YOUR BENEFITS**
- Easy and quick installation
 - Low-level inlets
 - Reliable, quiet operation due to vortex impeller instead of cutting system
 - Easy to maintain



BARRIER-FREE SHOWERS IN ROOMS WITH A SLIGHT SLOPE TO THE SEWAGE PIPE

HOTELS



PLANCOFIX PLUS FLOOR DRAINAGE PUMP

CHALLENGE

- Especially in old buildings (flats, hotels etc.) the floor installation heights are often very low. So without enough impounding depth the shower water cannot drain.
- The slope is not sufficient enough to transport the sewage to the next downpipe.
- The incidental shower water must flow against the flow direction.

SOLUTION

- The **Plancofix plus** was developed especially for situations where a low delivery head has to be overcome - like it is in most top floors for example.
- The compact powerful Plancofix plus pump drains away shower wastewater no matter where the shower is tucked away in the building.
- When the shower is in use, the underfloor tank fills up and a float switch sets the virtually silent pump in operation.
- The hydraulic system can be easily lifted out of the pump to remove any of usual hairs, fluff, or sand that can become deposited on the pump housing.

YOUR BENEFITS

- Installation depth 9 cm
- Optimized noise compensation with insulation tray (< 30 dB)
- For showers up to 25 l/min
- Drain can be tiled or in stainless steel
- Easy cleaning and maintenance



BARRIER-FREE SHOWERS IN CELLARS OF OLD BUILDINGS

RESIDENTIAL



PLANCOFIX PLUS HEBEFIX MINI BACKFLOW PROTECTION

CHALLENGE

- Cellar rooms in which a barrier-free shower is to be retrofitted.
- Water from the shower must be lifted a few metres in order to transport it via the backwater level into the existing sewage pipe.
- A small lifting unit is needed that can be easily hidden in bathroom furniture, for example.

SOLUTION

- Embedded in the floor screed of the bathroom the **Plancofix plus** could be the drain in a tiled shower. The shower water will flow into the Plancofix, a combination of drain and pump.
- Combination with our smallest member of our Hebefix range. The **Hebefix mini** can be installed quickly and easily and finds its place, for example, in a vanity unit or next to a shower.
- Besides the shower water and water from sinks, condensate from chilled display counters and air-conditioning can be disposed with the Hebefix mini.

YOUR BENEFITS

- Modern bathroom design
- Quiet operation of Plancofix floor drainage pump and Hebefix lifting station
- Reliable combination of two proven pump solutions
- Easy to maintain





DISPOSAL OF SEWAGE WATER FROM WASHING MACHINES

LAUNDRY



BAUFIX 200
UNDERFLOOR SUMP

CHALLENGE

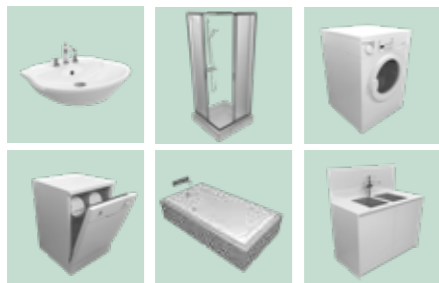
- Disposal of domestic waste water from sinks, showers and washing machines in basement or laundry rooms.
- Large amount of incoming water.
- Reliable waste water disposal and installation possibility in the concrete base of the cellar.

SOLUTION

- **Baufix 200** with its storage volume of 240 litres can be used as an under-floor sump to dispose greater volumes of waste water.
- When used as a double pumping station the pumps are switched on either alternately or together in normal operation to accommodate peak loads.
- The installation with a guide rail system (GR 32 or GR 50) is possible. This accessory simplifies maintenance independent of the installation depth.
- The installation in areas with high ground water levels is possible under the use of the groundwater seal.

YOUR BENEFITS

- Pressure stabilizer sump
- Single or duplex system
- Floor drain with odour trap
- Level-compensating frame
- Use in groundwater areas possible
- Fits various pumps



HEBEFIX 200
ABOVE FLOOR TANK

CHALLENGE

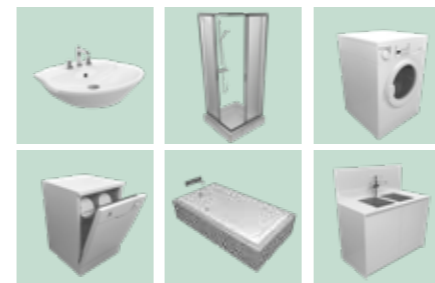
- Disposal of domestic waste water from sinks, showers and washing machines in basement or laundry rooms.
- Large amount of incoming water.
- Without requiring a great deal of construction work, it should dispose domestic wastewater from laundries, storage or cellar areas.

SOLUTION

- **Hebefix 200** with its storage volume of 240 litres can be used as an above floor sump to dispose greater volumes of waste water.
- Can be installed as a single as well as duplex system. The duplex system provides bigger security in the disposal of wastewater.
- The control unit (accessory) operates the duplex system depending on the type of pump. If the system is to be operated as a single system, a pump with a built-in level control must be selected.

YOUR BENEFITS

- Pressure stabilizer tank
- Single or duplex system
- Odour-tight cover
- Guide-rail system GR 32 or GR 50 possible to integrate
- Fits various pumps





QUICK HELP IN CASE OF BASEMENT FLOODING

BASEMENT FLOOD

FLOOBOX FLOOD EMERGENCY KIT

CHALLENGE

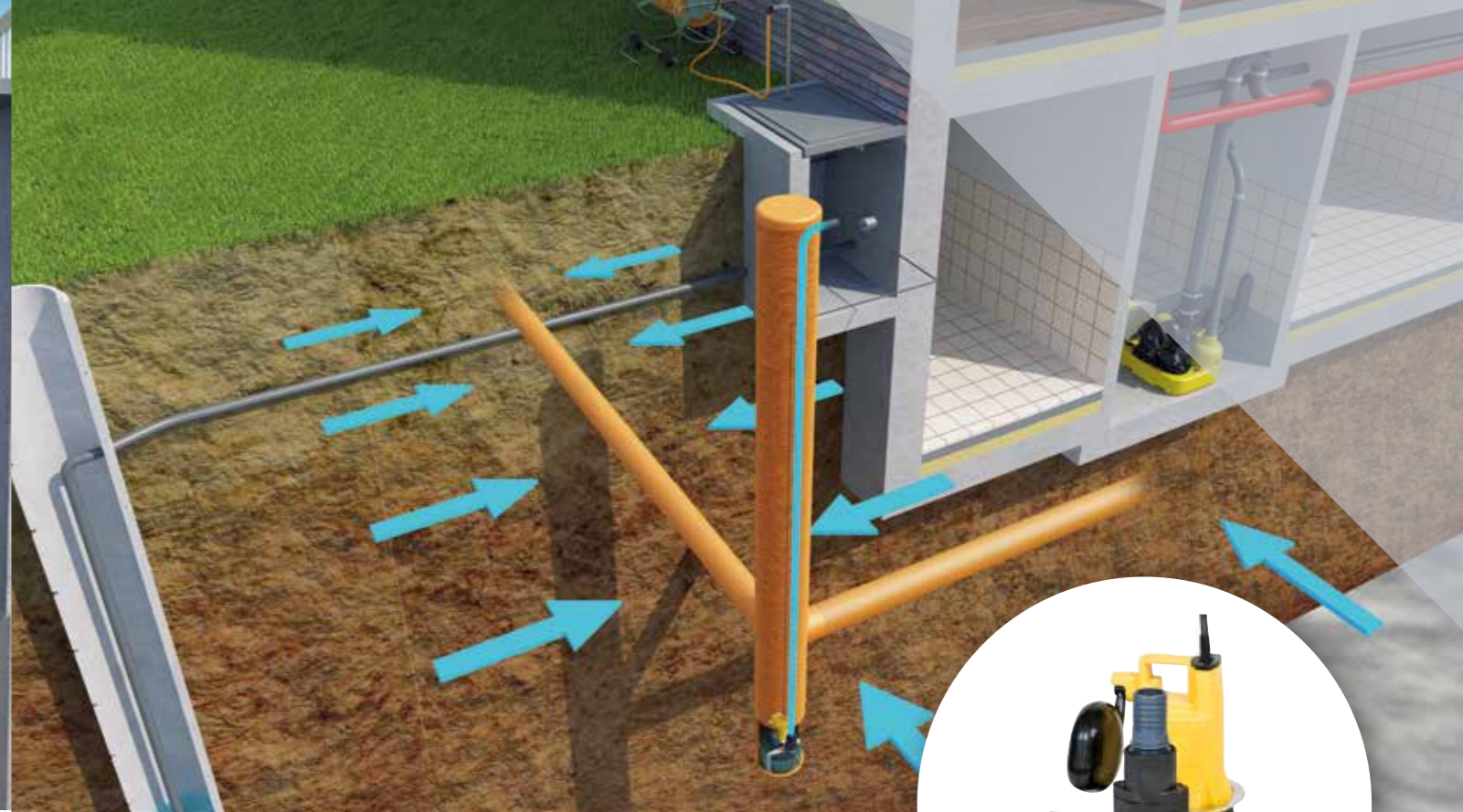
- Torrential rains, sometimes with devastating consequences for private property, are becoming more frequent.
- Sewers can reach the limits of their capacity due to blockages, large amounts of rain or construction measures.
- The result is a backflow in the sewer through which basements are flooded to street level.

SOLUTION

- „Relaxed dewatering“ with the **Flood Emergency Kit**. Powerful and robust, the „Flutbox“ helps people who are affected by flood water, to react quickly and efficiently.
- The carrying cage with the pump has just to be put on the ground. The pump will dispose the water out of the building via the fire hose.
- Taken out of the carrying cage, the U5KS drainage pump can also be used as a stationary or portable tool around the home and garden.

YOUR BENEFITS

- Plug-and-play flood emergency kit
- High-performance U5KS pump
- Reliable pumping due to a large free solids passage of 20 mm
- Quick and easy attachment by a C-coupling
- Wallmounting for storage



RELIABLE PROTECTION OF BUILDINGS
AGAINST GROUNDWATER

DRAINAGE

DRAINAGE SET DRAINAGE PUMP

CHALLENGE

- Building protection from groundwater.
- Reliable pump solution for heavily contaminated waste and ground water.
- Pump that can be used also for abrasive liquids, i.e. sand.

SOLUTION

- The **Drainage set** reliably protects your building from mildly contaminated ground water. The set comes with the U 6 Drain ES drainage pump and is ready to plug in and use.
- The powerful pump also handles drainage water with an abrasive sand content. The drainage set fits in all standard drainage sumps with a sand trap from 280 mm internal diameter upwards.
- The mounting bracket stabilises the pump even in large sumps and ensures safe operation.

YOUR BENEFITS

- Ready to connect, just plug-and-play
- Powerful drainage pump
- Special float for narrow sumps
- Swing-type check valve included in the delivery set
- Control unit included





DISPOSAL OF WASTE WATER
FROM SHOWERS

FITNESS / GYM

BAUFIX 200 UNDERFLOOR SUMP

CHALLENGE

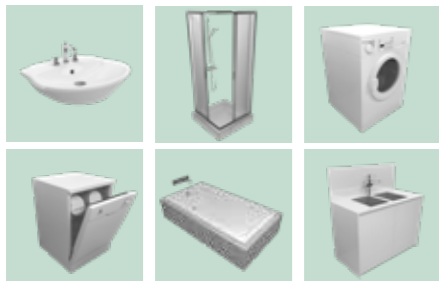
- Disposal of domestic waste water from sinks and showers in fitness studios / at gyms.
- Large amount of incoming water.
- Reliable waste water disposal and installation possibility in the concrete base of the cellar.

SOLUTION

- **Baufix 200** with its storage volume of 240 litres can be used as an under-floor sump to dispose greater volumes of waste water.
- When used as a double pumping station the pumps are switched on either alternately or together in normal operation to accommodate peak loads.
- The installation with a guide rail system (GR 32 or GR 50) is possible. This accessory simplifies maintenance independent of the installation depth.
- The installation in areas with high ground water levels is possible when using the groundwater seal.

YOUR BENEFITS

- Pressure stabilizer sump
- Single or duplex system
- Floor drain with odour trap
- Level-compensating frame
- Use in groundwater areas possible
- Fits various pumps



DISPOSAL OF WASTE WATER
FROM TOILETS / WASHROOMS

INDUSTRIAL

COMPLI 1500/2500 SEWAGE LIFTING STATION

CHALLENGE

- Large industrial and municipal wastewater volumes or connection of entire streets or shopping centers, are requiring especially large tank capacities.
- Disposal of sewage water from toilets and washing rooms which are installed in the basement of industrial buildings.
- The sewage pipe is located below the backwater level, no chance to dispose the water by gravity.

SOLUTION

- The units **compli 1500 and 2500** have been designed for the disposal of sewage from industrial, public and semi-public buildings, apartment blocks, flats, etc. for an uncontrolled effluent flow and specially where a safety factor must be provided.
- With a total volume of 1000 l and correspondingly powerful MultiStream pumps, the compli 2500 is the largest sewage lifting station.
- These sewage lifting stations are available with either two tanks (compli 2500 with 1000 l) or one tank (compli 1500 with 500 l).

YOUR BENEFITS

- Easy installation
- Large storage capacity
- Submersible
- Multiple inlet position
- High-quality PE tank





COMPLI 1000
SEWAGE LIFTING STATION

DISPOSAL OF WASTE WATER
FROM TOILETS / SINKS

CAMPSITES

CHALLENGE

- Disposal of sewage water from toilets, washing and shower rooms on campsites.
- The nearest possible connection to the public sewer system is far away.
- Uncontrolled and huge amount of incoming waste water.

SOLUTION

- The **compli 1000** is one of our series of duplex units. It should be installed where additional security is demanded.
- In certain cases the use of duplex systems is advisable or may even be required by the regulations. Wherever there is an uncontrolled and strong inflow of waste water
- Its duplex pump units work either together to absorb peak loads or alternately, with the other pump unit on standby.
- Compli 1000 is ready to plug in, submersible, and made of high quality PE.

YOUR BENEFITS

- Ready to connect
- Submersible
- Stainless steel inlet flange
- Duplex swing-type check valve
- PE-tank capacity approx. 115 Ltr.



PKS-B 800-D32
POLY-SUMP FOR SUBMERSIBLE PUMPS

CHALLENGE

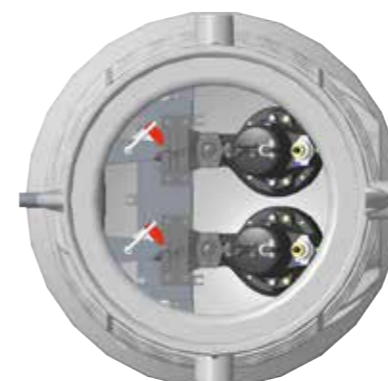
- Disposal of sewage water from toilets, washing and shower rooms on campsites.
- The nearest possible connection to the public sewer system is far away.
- Uncontrolled and huge amount of incoming waste water.

SOLUTION

- The buoyancy proof PKS-B 800-D32 sump is supplied as a complete prefabricated pump station. The sump is equipped with two pumps and is suitable for accessible areas (class A 15) or for traffic areas (class B 125).
- The sump is frost-proof and therefore no enclosure is necessary to protect the pumps.
- It has a larger storage volume than a compli lifting station.
- Easy maintenance by pulling the pump out of the pump sump inflow of waste water into the sump is still possible during maintenance.

YOUR BENEFITS

- Buoyancy-proof and ground water proof
- Suitable for traffic
- Frost-proof
- Large storage volume
- Easy maintenance





DISPOSAL OF WATER FROM SINKS AND EQUIPMENT

DENTISTS



HEBEFIX ABOVE FLOOR TANK

CHALLENGE

- Pump residual water from the sinks of the dentist's office into the existing sewage pipe.
- The sewage pipe is located below the backwater level.

SOLUTION

- The **Hebefix** is quick to install and, together with the U3KS, U3KS special or U5KS pump, is a cost-effective solution.
- Can be installed unobtrusively underneath a sink.
- Suits various kinds of pumps, depending on the amount and type of the medium to be disposed.
- The Hebefix tank has proven to be a highly reliable solution for many decades if a hand basin is to be installed with no chance to dispose the water by gravity.

YOUR BENEFITS

- Easy and quick installation
- Suitable for various kinds of submersible pumps
- Easy to maintain
- Low level additional inlets
- Quiet operation



DISPOSAL OF AGGRESSIVE WASTE WATER FROM SOFTENER

BASEMENTS



HEBEFIX EXTRA LIFTING STATION FOR AGGRESSIVE MEDIA

CHALLENGE

- Disposal of aggressive waste water from water softener or condensing boilers.
- Aggressive media with pH ≥ 2.7 and supply of aqueous saline solutions.
- The sewage pipe is located below the backwater level.

SOLUTION

- The compact form of the **Hebefix extra** allows it to be mounted in all commercial front-wall systems as well as directly below the washbasin.
- It has various inlet openings for the connection of showers, bathtubs or washing machines etc.
- The integrated pump is specially designed for saline media and convinces through safety and reliability.

YOUR BENEFITS

- Easy and quick installation
- Suitable for aggressive media like aqueous solutions up to 10% salt content
- Pump and alarm system included in the supply package
- Ventilation system with activated carbon filter
- Quiet operation





DISPOSAL OF WASTE WATER FROM TOILETS / WASHROOMS

HOUSE BOATS

COMPLI 100 MULTICUT SEWAGE LIFTING STATION

CHALLENGE

- Disposal of sewage water from toilets, kitchen, washing and shower rooms.
- The nearest possible connection to the public sewer system is far away and always above the level of the house boat, mostly at the height of the dike.
- Only little available floor space in the technical room.

SOLUTION

- The sewage lifting station **compli** with the **MultiCut** cutting system has been specially developed for the sewage disposal from locations such as mobile sanitary facilities.
- The MultiCut cutting system facilitates the pumping of sewage through small diameter discharge pipes over long distances to the gravity sewer system.
- Due to the low inlet heights, all drainage objects and also showers can be connected without any problems.



YOUR BENEFITS

- Ready to connect
- Small lifting station with little space requirement
- Versatile connection options
- Low inlet heights
- Flexible installable pressure pipe from DN 32

APPS AS PLANNING TOOLS

MEDIA APP

The free of charge Media App provides the plumbing and HVAC trade with a wealth of technical information about submersible drainage pumps and wastewater pumps right around the clock wherever it is needed.

Besides the classic product literature like data sheets and brochures, the app also provides direct access to technical information such as operating instruction manuals and spare parts lists.



YOUR BENEFITS

- Online and offline access to all data
- All data can also be loaded into the app as well
- Documents can be forwarded by email
- Push message about new features
- Integrated multimedia section and much more






























PUMPSIZER APP

With the PumpSizer App, it is possible to identify a selection of suitable submersible drainage pumps after defining the hydraulic data, the media to be pumped and the intended installation location. Data is entered intuitively and the results are displayed while the slider is moved.

YOUR BENEFITS

- Extensive range of property types, water types and installation locations to choose from
- Choice of objects to be drained
- Calculation of the required flow rates
- Operation point calculations
- Recommendations for pumps and much more











APPLICATIONS OF LIFTING STATIONS

							
	WC	Wall-WC	Urinal	Bidet	Sink	Shower	Bathtub
Hebefix mini 				+	+	+	
Hebefix plus 					+	+	+
Hebefix extra 					+	+	+
Hebefix 					+	+	+
Hebefix 100 					+	+	+
Hebefix 100 H 					+	+	+
Hebefix 200 					+	+	+
Baufix 50 					+	+	+
Baufix 100 					+	+	+
Baufix 200 					+	+	+
Plancofix 						+	
Plancofix plus 						+	
Plancofix Line 						+	
K2 plus 							
WCfix 260 	+			+	+	+	
WCfix plus 	+	+		+	+	+	
compli 300E 	+	+	+	+	+	+	+
compli 400 	+	+	+	+	+	+	+
compli 500 	+	+	+	+	+	+	+
compli 1000 	+	+	+	+	+	+	+

no lifting station according EN 12050-2, but especially for the drainage of showers

no lifting station according EN 12050-2, but especially for the drainage of showers

no lifting station according EN 12050-2, but especially for the drainage of showers

									
Sink unit	Dish-washer	Washing machine	Condensate	Softening unit	Air conditioners	Hot wasser	H max (m)	Q max (l/min)	Pressure discharge
+				+	+	55 °C	5.3 m	72 l	DN 32
+	+	+					7.0 m	108 l	DN 32
+	+	+	+	+			6.0 m	83 l	DN 32
+	+	+	U3KS spezial	U3KS spezial			8.0 m	192 l	DN 32
+	+	+	U3KS spezial	U3KS spezial			13.0 m	466 l	DN 40
+	+	+				80 °C	13.0 m	466 l	DN 40
+	+	+	U3KS spezial	U3KS spezial			13.0 m	516 l	DN 32/50
+	+	+	U3KS spezial	U3KS spezial			7.0 m	108 l	DN 32
+	+	+	U3KS spezial	U3KS spezial			13.0 m	466 l	DN 32
+	+	+	U3KS spezial	U3KS spezial			13.0 m	516 l	DN 32/50
							2.3 m	30 l	DN 25
							1.3 m	25 l	DN 25
							1.3 m	25 l	DN 25
			+				3.5 m	8 l	11/13 mm
							4.0 m	133 l	DN 25/ 32
							6.0 m	208 l	DN 25/ 32
+	+	+	+	+			10.0 m	500 l	DN 80
+	+	+	+	+			7.0 m	800 l	DN 100
+	+	+	+	+			20.0 m	1.267 l	DN 100
+	+	+	+	+			20.0 m	1.417 l	DN 100

for sewage without faecal

for sewage containing faecal

* Mixing with domestic waste water must be guaranteed



PENTAIR JUNG PUMPEN

QUALIFICATION

In the Technicum submersible sewage pumps, sewage lifting stations and pressure drainage technology are shown in operation and combined with different waste water systems.

It is a good possibility to ask questions and to get answers, but also to discuss new ideas and tips. Communication we all profit from.

Different pump stations are connected with modern control units and demonstrate realistic operation. Additionally, experience a close up demonstration of a sewage system, which realistically shows leakage tests and camera operation.

Enjoy good food in our own cafeteria, allowing you to exchange ideas with colleagues, friends and other participants.

We are looking forward to your visit.

PENTAIR JUNG PUMPEN

FORUM

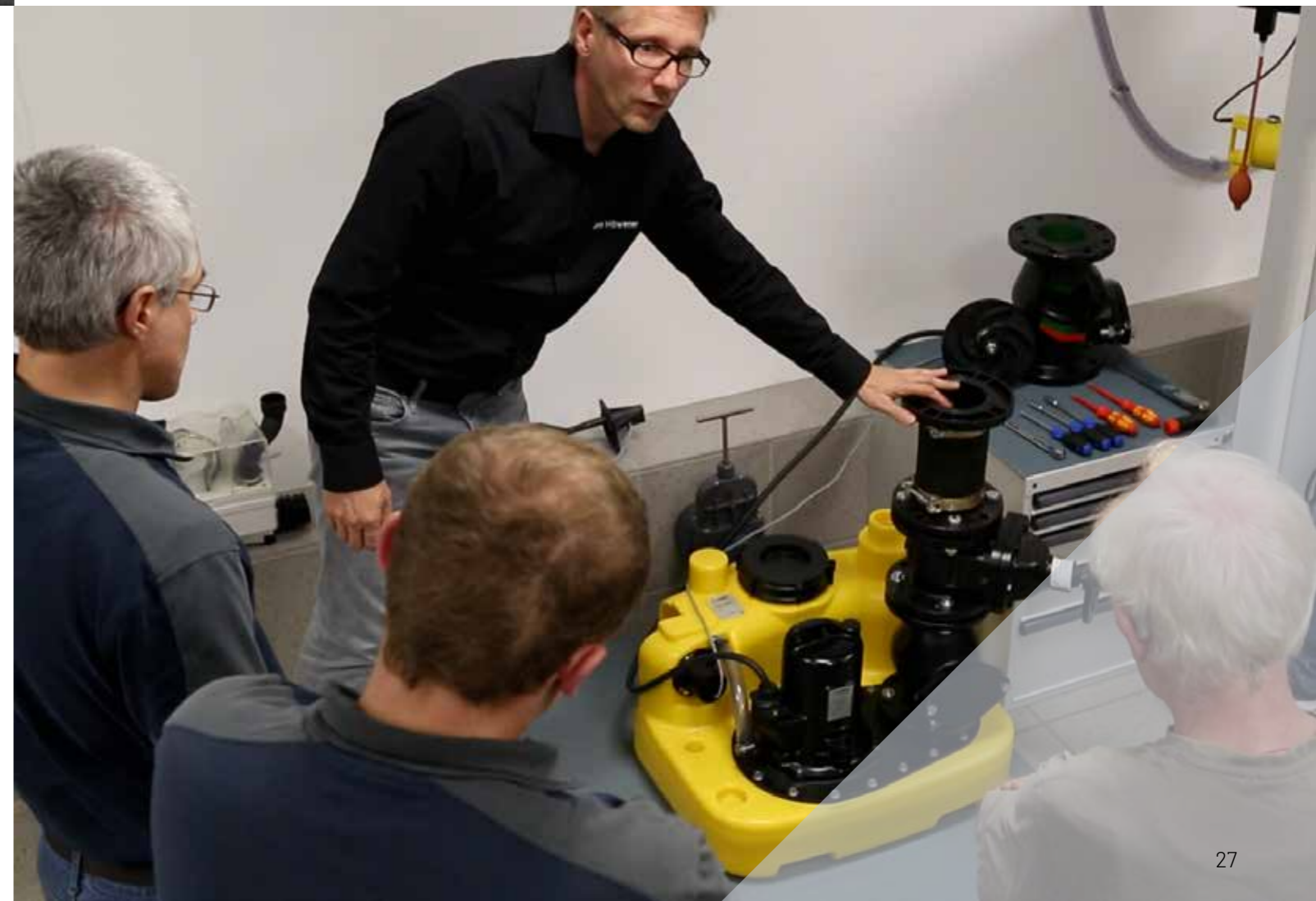
The Pentair Jung Pumpen FORUM is a place of communication and information, where we warmly invite you to.

With its highly modern facilities, it offers a wide range and challenging programme.

All year seminars, further education and qualifications designed for different target groups from industry, trade, municipalities and apprentices. In our own workshops feel free to get your hands on the pumps do practical tasks, or watch demonstrations of different types of installation.

Choose your preferred seminar.

www.jung-pumpen-forum.de





JUNG PUMPEN GmbH | 33803 Steinhagen | Germany | Phone +49 5204 170 | info@jung-pumpen.de | www.jung-pumpen.com

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