

Application

The buoyancy proof and practicable plastic sump in high-grade polypropylene (PP) is approved by the German Institute for Construction Engineering (Reg.-N° Z-42.1-410). It is used in pressure drainage systems as well as a standard pump sump. It is suitable for use in areas with traffic load up to 40 tons. (DIN EN 124, group 4). The PKS-D can be placed on natural ground without concrete works. The modular design offers easy transport and installation.

The sump has a connection piece for inlet, two sockets with seal for ventilation and cable duct, a facility for installing a flushing connection and a DN 80 pressure outlet.

The standard installation depth without a cover is 2.77 m. The installation depth can be extended to 5.90 m by the use of sump extensions (installation depth in ground water not more than 4m). The total volume is 1764 litres. The storage volume below the inlet is 395 litres.

In order to adjust the pumping stations to the required pumping conditions a wide range of single channel impeller or vortex impeller pumps is available, both with or without explosion protection.



- Mark of conformity Z-42.1-410
- Suitable for traffic up to class D 400
- Corrosion-proof
- Buoyancy-proof and ground water proof
- Max. installation depth 5.90 m

Available pump types DN 65

MultiStream pumps
UAK/UFK 10/2 A1, 15/2 A1, 25/2 A2 and 35/2 A2

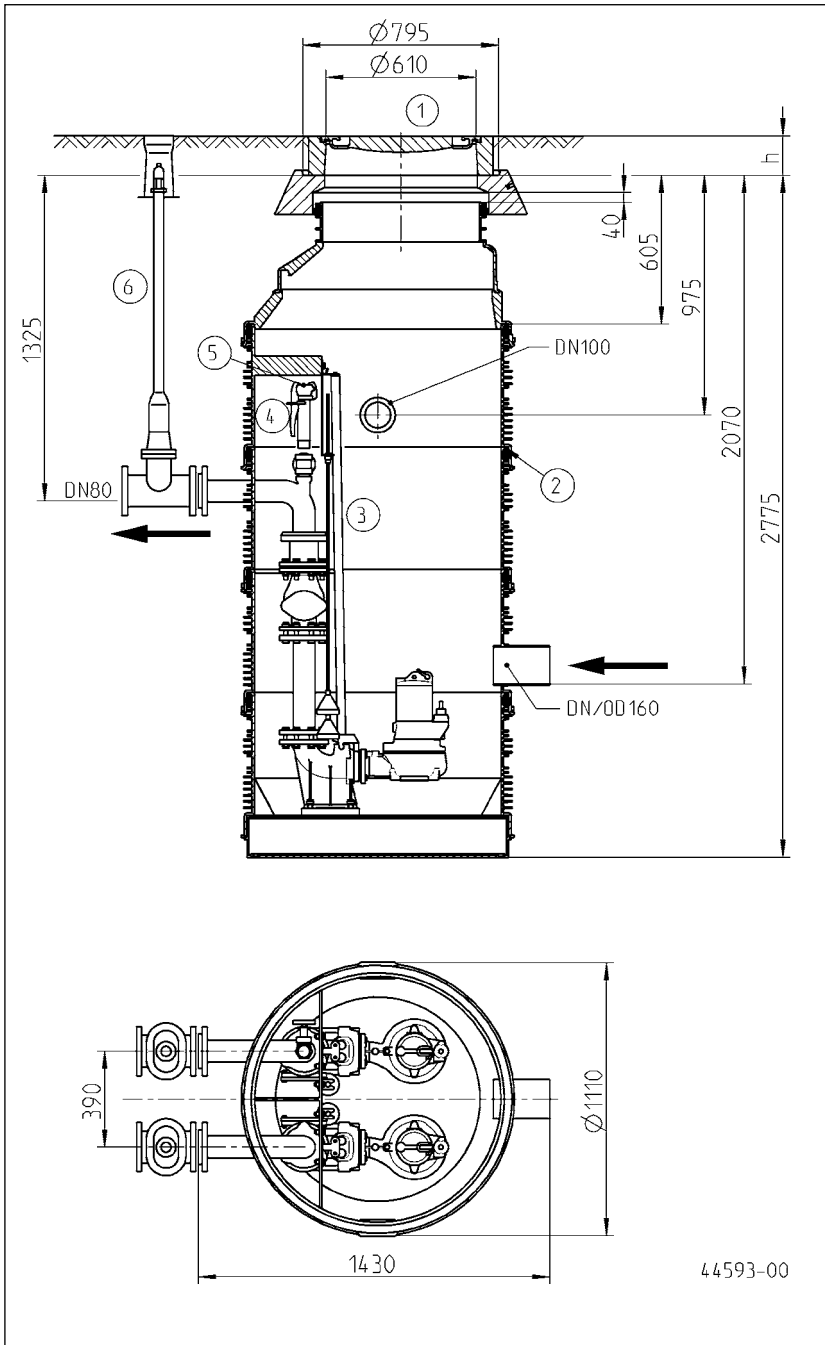
MultiFree pumps
UAK/UFK 25/2 AW and 35/2 AW

Available pump types DN 80

MultiStream pumps
UAK/UFK 25/2 B1, 10/4 B1, 35/2 B2, 55/2 B2 and 15/4 B3

MultiFree pumps
UAK/UFK 25/2 BW1, 35/2 BW1, 15/4 BW1, 25/4 BW1, 35/4 BW1

PKS-D 1000-D65 and D80



We reserve the right to change specifications without notice

Scope of supply

PKS-D 1000-D65 /D80 (duplex units)

The poly-sump consist of an underpart with an inlet and a discharge branch, an extension element with tie-bar, a cone 1000/625 and a concrete support ring for the manhole cover (accessory). The segments are sealed with sealing rings.

Inlet socket DN/OD 160 (DN 150) for PVC collar (KGU), 2 sockets DN 100 for ventilation/cable duct, 1 socket plug DN 100, 2 guide rail systems, pipework with non-return valves in DN 80, facility for flushing connection system "Perrot"

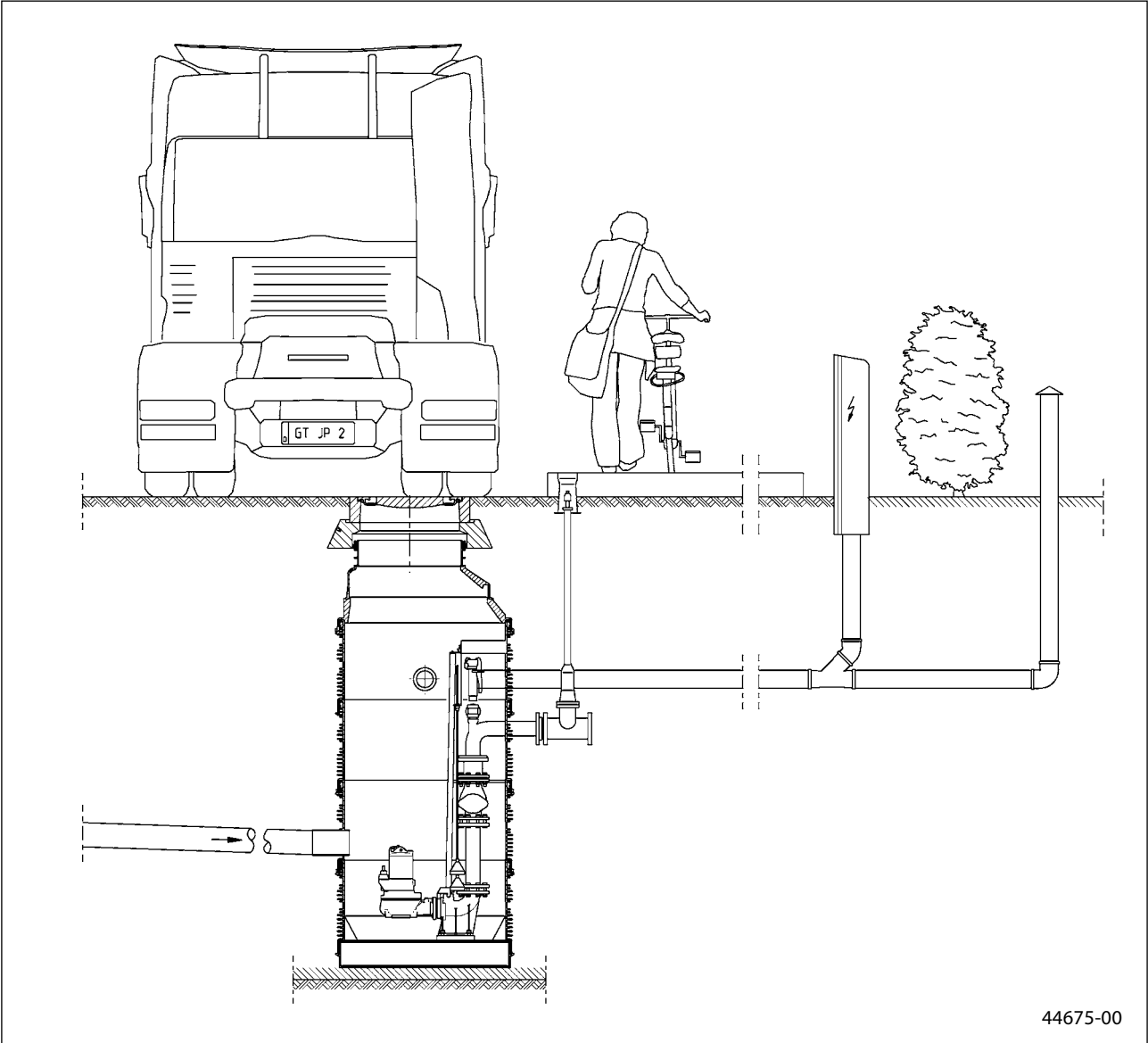
Sumps

Type	Code no.	Weight
Poly-sump PKS-D 1000-D65	JP 44379	442 kg
Poly-sump PKS-D 1000-D80	JP 44381	443 kg

Accessories

Description	Code no.	Weight
① Cover without ventilation, class B d610 Cover without ventilation, class D d610	JP 29174 JP 29175	110.0 kg 190.0 kg
② PSV-D 1000x500 (10)	JP 44404	15.6 kg
③ Guide tube 1" stainless steel 1m	JP 28346	2.5 kg
Sump depth in m	2.77 3.27 3.77 4.27 4.77 5.27 5.77	
Required guide tube length in m	1.55 2.05 2.55 3.05 3.55 4.05 4.55	
Attention! Please note that you need to order four guide tubes.		
④ Fire hose coupling size C 1 1/2" Perrot flushing connection G 250	JP 11892 JP 22353	0.3 kg 1.4 kg
⑤ Perrot hose connection Perrot DRS connection Perrot breathing valve Perrot pressure gauge Perrot claw coupling Perrot flush connector R 1"	JP 19202 JP 22421 JP 22422 JP 24666 JP 22420 JP 22466	0.4 kg 0.5 kg 0.6 kg 1.4 kg 0.5 kg 0.3 kg
⑥ Underground valve DN 80 Set of earth installation equipment 0.7 m Set of earth installation equipment 1.0 -1.4 m Set of earth installation equipment 1.25 -1.8m	JP 18936 JP 18938 JP 18939 JP 18940	24.0 kg 30.0 kg 32.0 kg 33.0 kg
⑦ Ventilation pipe DN 100	JP 25437	4.3 kg
⑧ Second inlet DN 150 Second inlet DN 200 Second inlet DN 250	JP 44523 JP 44524 JP 44525	
⑨ Seal lubricant 1 kg tube Seal lubricant 3 kg bucket	JP 44605 JP 44606	1.0 kg 3.0 kg

Example of installation



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