

PKS 1000 (40)

POLY-SUMP FOR SUBMERSIBLE SEWAGE PUMPS

- According EN 13598-2
- Suitable for traffic up to class D 400
- Corrosion-proof
- Buoyancy-proof and ground water proof
- Max. installation depth 4.90 m



DESCRIPTION

The buoyancy proof and practicable plastic sump in high-grade polypropylene (PP) corresponds to EN 13598-2. 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.

In order to adjust the pumping stations to the required pumping conditions a wide range of MultiCut submersible sewage pumps is available, both with or without explosion protection.

The sump is available in two versions, with a ladder (SG) using pumps MultiCut 20/2 M to 45/2 M and without a ladder using the larger MultiCut types 75/2 M and 76/2 M. Both versions have a connection piece for inlet, two sockets with seal for ventilation and cable duct, a facility for installing a flushing connection and a DN 40 pressure outlet.

The standard installation depth without a cover is 2.27 m. The installation depth can be extended to 4.90 m by the use of sump extensions (installation depth in ground water not more than 5 m). The total volume is 1372 litres. The volume storage below the inlet is 396 litres.

If extensions are used, one of the extensions must be ordered with a tie-bar.

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SCOPE OF SUPPLY

PKS-D 1000-40 (single unit)

The poly-sump consist of an underpart with an inlet and a discharge branch, an extension element, 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, guide rail system, pipework with elbow ball check valve and stop valve in DN 40 in stainless steel, facility for flushing connection system "Perrot".

PKS-D 1000-D40 (duplex unit)

The poly-sump consist of an underpart with an inlet and a discharge branch, an extension element, 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 elbow ball check valves and stop valves in DN 40 in stainless steel, facility for flushing connection system "Perrot".

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Type	Code No.	Weight
PKS-D 1000-40	JP44358	295 kg
PKS-D 1000-D40	JP44359	330 kg
PKS-D 1000-D40 (75)	JP44361	330 kg

POSSIBLE PUMPS

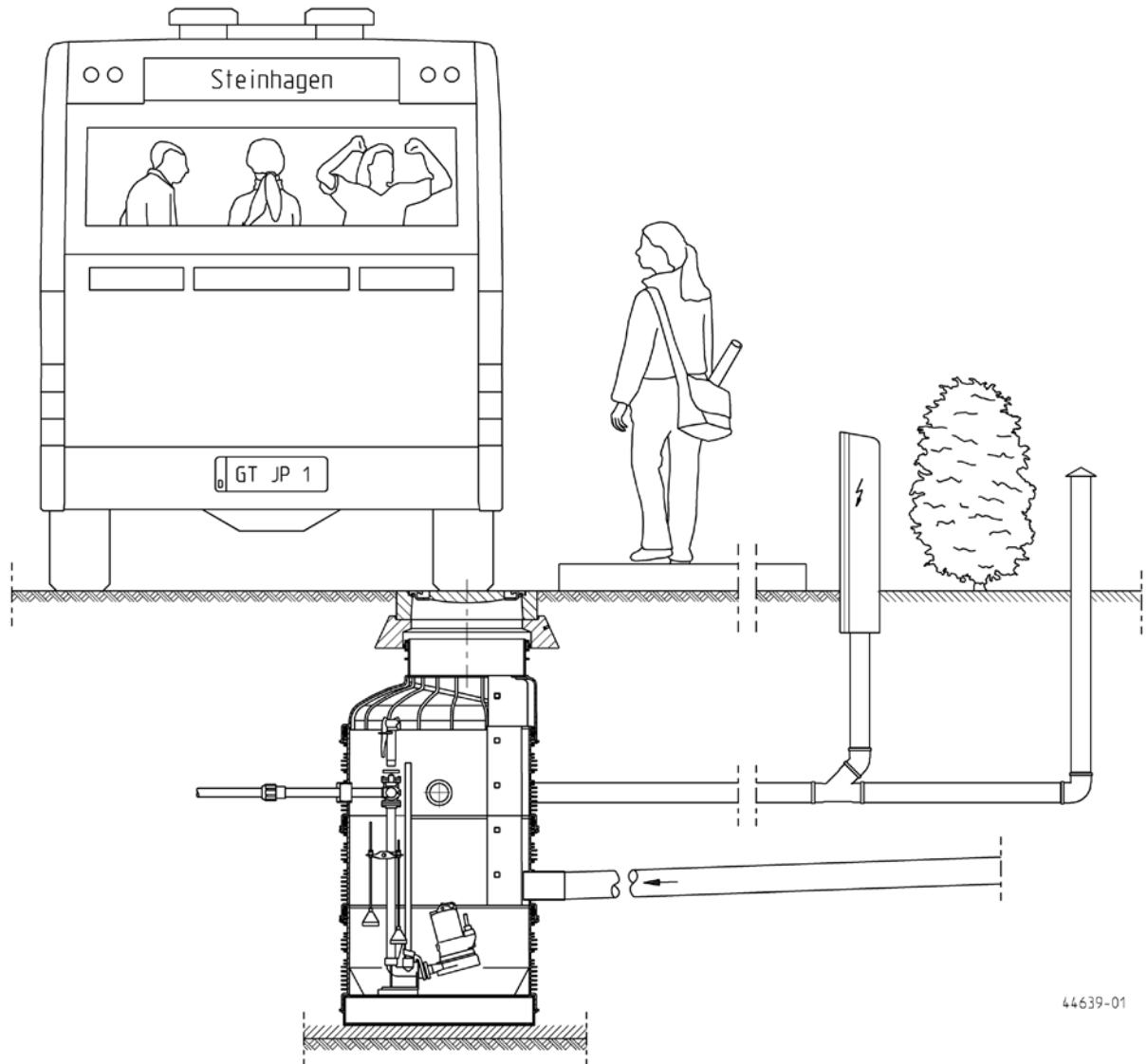
PKS-D 1000-40	MultiCut 45/2 M	MultiCut 36/2 M
MultiCut 20/2 M plus	PKS-D 1000-D40	MultiCut 45/2 M
MultiCut 25/2 ME	MultiCut 20/2 M plus	PKS-D 1000-D40 (75)
MultiCut 35/2 M	MultiCut 25/2 ME	MultiCut 75/2 M
MultiCut 36/2 M	MultiCut 35/2 M	MultiCut 76/2 M

Sump depth in m	2.27	2.77	3.27	3.77	4.27	4.77
Required guide rail length in m	1,15	1,65	2,15	2,65	3,15	3,65
For duplex units please order 2 x guide tubes						

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APPLICATION



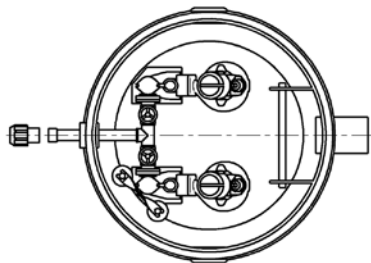
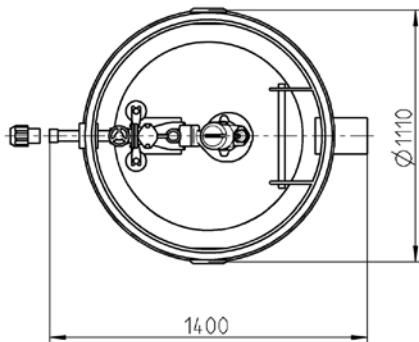
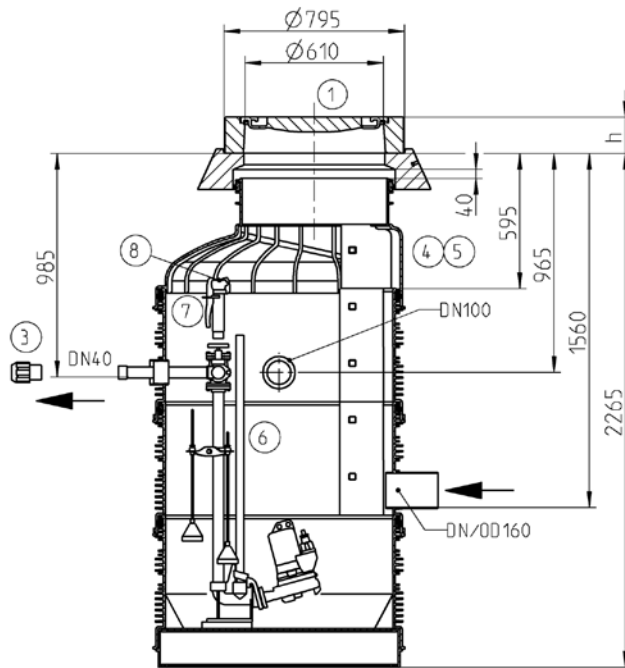
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Attention: Concerning space capacity the installation of submersible switches is not possible.

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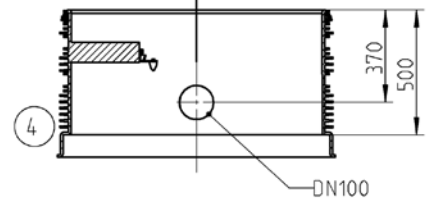
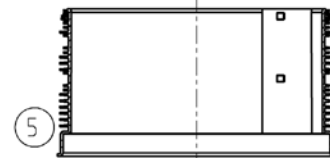
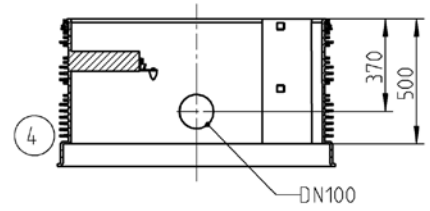
POLY-SUMP FOR SUBMERSIBLE SEWAGE PUMPS

PKS-D 1000-40/PKS-D 1000-D40



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with ladder/without ladder




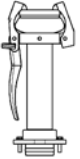




SUMP ACCESSORIES

			Code No.
<input type="checkbox"/>	1 Concrete cover		
<input type="checkbox"/>	Cover cl. B	Ø 610, h=125, D 750	110 kg JP44972
<input type="checkbox"/>	Cover cl. D	Ø 610, h=160	190 kg JP29175

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SUMP ACCESSORIES

			Code No.
	② Access aid		
	Access aid, grab handle		JP44610
	Access aid, sleeve		JP44611
	③ Screwed joint		
	1 1/2" to Ø 50 mm (DN 40)	with female thread and clamping connection	JP45948
	1 1/2" to Ø 63 mm (DN 50)	with female thread and clamping connection	JP45949
	④ Sump extension	PSV-D 1000x500 Tie-bar, ladder 34,0 kg	JP44407
		PSV-D 1000x500 T Tie-bar	JP44408
	⑤ Sump extension	PSV-D 1000x500 SG Ladder 16,6 kg	JP44403
		PSV-D 1000x500	JP44404
	⑥ Guide rail, stainless steel	1", 1150 mm, sump depth 2,27 m 2,8 kg	JP50268
		1", 1650 mm, sump depth 2,77 m 4,0 kg	JP50269
		1", 2150 mm, sump depth 3,27 m 5,2 kg	JP50270
		1", 2650 mm, sump depth 3,77 m 6,5 kg	JP50271
		1", 3150 mm, sump depth 4,27 m 7,5 kg	JP50272
		1", 3650 mm, sump depth 4,77 m 9,0 kg	JP50273
	⑦ Perrot	Flushing connection -32/40, galvanised	JP42059
	⑧ Accessories for Perrot flushing connection		
	Perrot hose connection	Ø 50 mm	JP19202
	Perrot DRS connection		JP22421
	Perrot breathing valve		JP22422
	Perrot pressure gauge		JP44854
	Perrot claw coupling		JP22420
	Perrot flush connection 1"		JP22466
	⑨ Ventilation pipe	DN 100 stainless steel, , 700 mm	JP44858
	⑩ Second or changed inlet	DN 150	JP44523
		DN 200	JP44524
		DN 250	JP44525
	⑪ Seal lubricant	1 kg tube (enough for 2 gaskets)	JP44605
		3 kg bucket	JP44606
	⑫ Dislocate of grafity center	MultiCut 75... and 76...	JP44757