

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

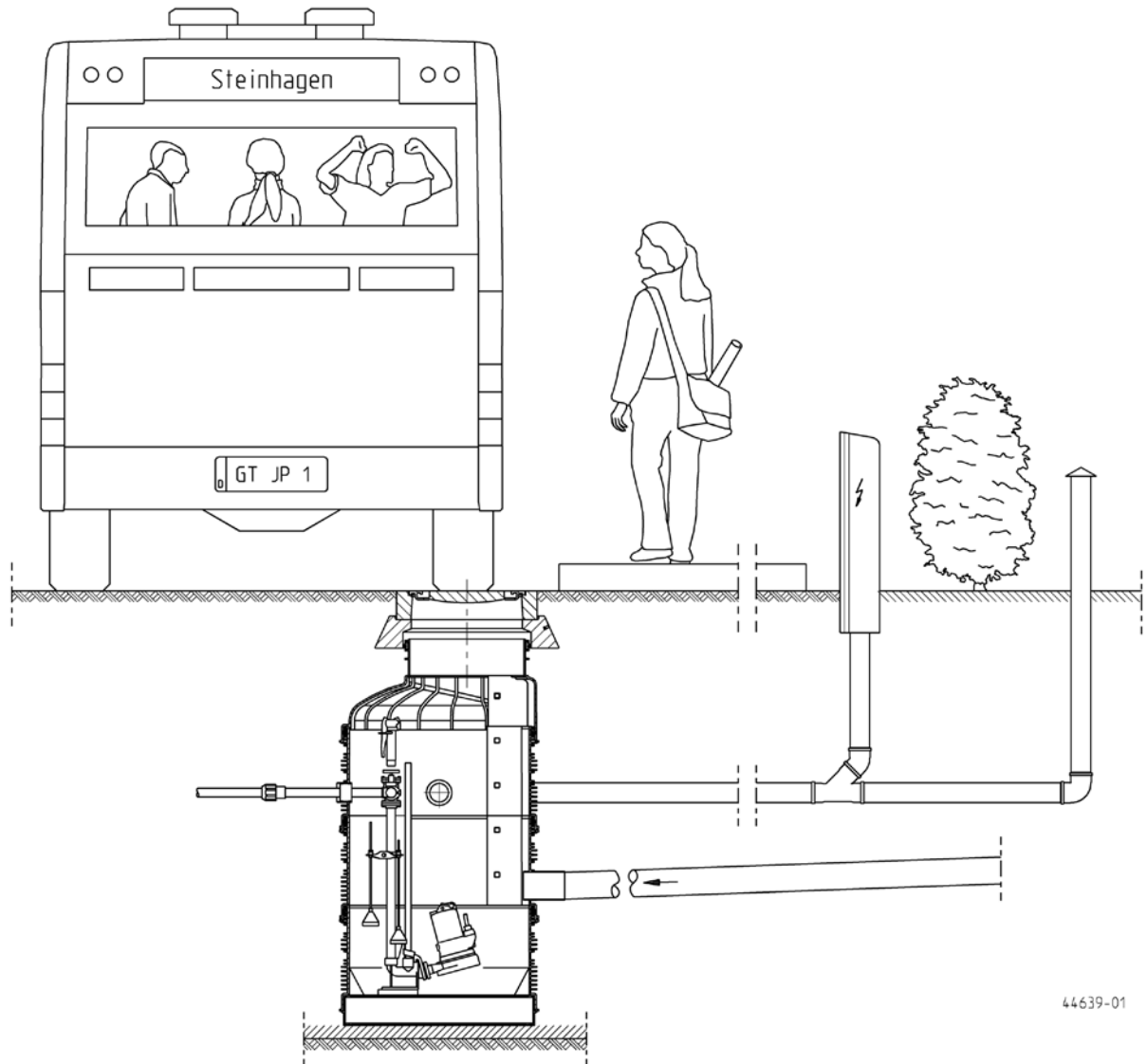
| | | |
|--------------------------|--------------------------|----------------------------|
| PKS-D 1000-40 | MultiCut 36/2 M, Ex | MultiCut 25/2 ME, Ex |
| MultiCut 20/2 M plus | MultiCut 45/2 M, Ex | MultiCut 35/2 M, Ex |
| MultiCut 25/2 ME | PKS-D 1000-D40 | MultiCut 36/2 M, Ex |
| MultiCut 35/2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

| | | | | | | |
|---|------|------|------|------|------|------|
| 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



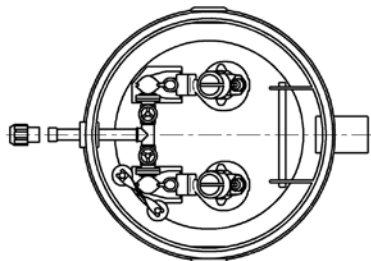
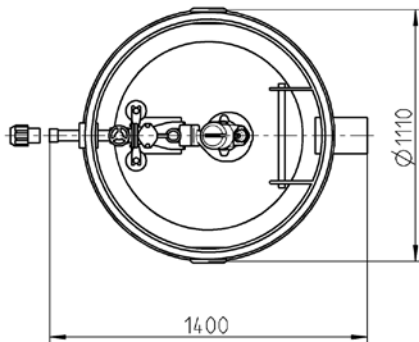
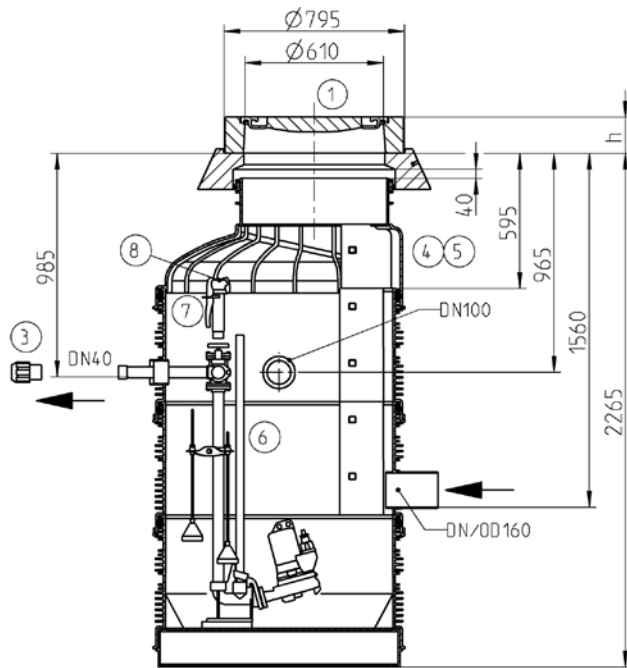
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Attention: Concerning space capacity the installation of submersible switches is not possible.

PKS 1000 (40)

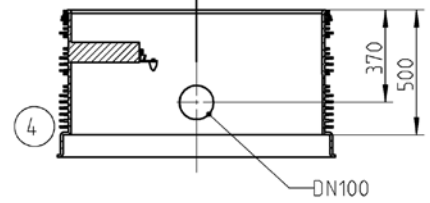
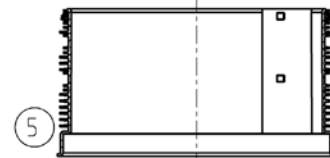
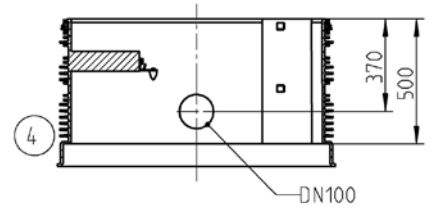
POLY-SUMP FOR SUBMERSIBLE SEWAGE PUMPS

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



44597-03






with ladder/without ladder



PKS 1000 (40)

POLY-SUMP FOR SUBMERSIBLE SEWAGE PUMPS

SUMP ACCESSORIES

| | | | | Code No. |
|---|---|--|---------|----------|
|  | 1 Concrete cover | | | |
| | Cover cl. B | Ø 610, h=125, D 750 | 110 kg | JP44972 |
| | Cover cl. D | Ø 610, h=160 | 190 kg | JP29175 |
| | 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 SGT | 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 DRS connection | | | JP22421 |
| | Perrot breathing valve | | | JP22422 |
| | Perrot pressure gauge | | | JP44854 |
| | 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 |
| | 12 Dislocate of grafity center | MultiCut 75... and 76... | | JP44757 |