# Poly-sump PKSD 1000
# for MultiStream-/MultiFree submersible sewage pumps

## Application

The buoyancy-proof and practicable poly-sump (up to class D) is used in the estate drainage as well as in the industrial or municipal area. The PKSD 1000 can be placed on natural ground without concrete works. The modular construction enables simple transport and relocation. In order to adjust the pumping station to the required pumping conditions a wide range of MultiStream or MultiFree submersible sewage pumps is available.



PKSD 1000 – D 65

## Description

Tested by the German Institute for Construction Engineering pre fabricated pump chamber. In high grade polyethylene (PE-HD). Smooth benched collection area to prevent solids build up with pre fabricated sump extension including a connection piece for inlet, two sockets for ventilation and cable duct, PE connection piece for pressure outlet. Pressure pipe, guide tube and the coupling system are already installed in the sump. The installation depth without cover is 2,46 m. The installation depth can be extended to 4,46 m by use of additional sump extensions. Extensions for the guide tube are part of the accessory.
The total volume is 1216 litres. The estimated storage below pump suction is 350 litres.

- **Practicable cl. D 400**
- **Corrosion-proof (NIRO/PE-HD)**
- **Smooth benched collection area to prevent solids built up**
- **Buoyancy-proof / ground water proof**
- **Easy to install**
- **Z 42.1–313**

## Scope of Supply

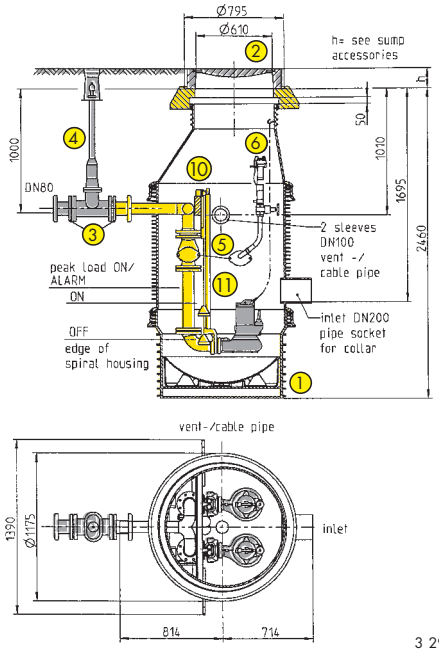
**PKSD 1000-65/-80**

Ready to install polyethylene pump chamber in modular system. Sump extension 1000 x 1000 with tie bar, hanging guide rail system and pre fabricated sump base with smooth benched collection area. Pre fabricated tie bar with guide tube, both made from stainless steel with bracket for guide rail. Coupling claw adequate to connection options is scope of supply. Pressure pipe DN 80 (stainless steel) with reflux valve DN 80 is already mounted.
1 connecting branch for collar DN 200 (for pipe between house and sump), 2 sockets with seal DN 100 for venting and cable pipe (for pipe between house and sump), cone 1000/610 and concrete support ring for seating of the chamber cover (accessory), one 100 mm dia. blind cap. The sealing of the segments is performed via DN 1000 sealing element.

**PKSD 1000-D65/-D80**

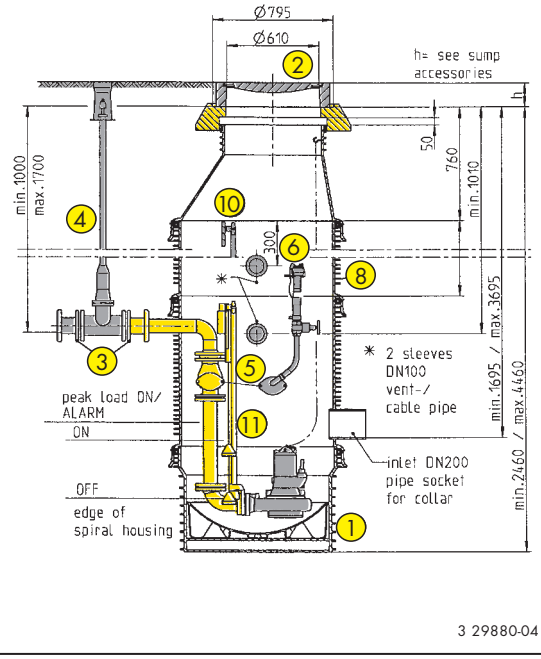
Ready to install polyethylene pump chamber in modular system. Sump extension 1000 x 1000 with tie bar, hanging guide rail system and pre fabricated sump base with smooth benched collection area. Pre fabricated tie bar with guide tube, both made from stainless steel with bracket for guide rail. Coupling claws adequate to connection options are scope of supply. Pressure pipes DN 80 (stainless steel) with reflux valves DN 80 are already mounted.
1 connecting branch for collar DN 200 (for pipe between house and sump), 2 sockets with seal DN 100 for venting and cable pipe (for pipe between house and sump), cone 1000/610 and concrete support ring for seating of the chamber cover (accessory), one 100 mm dia. blind cap. The sealing of the segments is performed via DN 1000 sealing element.

## PKSD 1000-65/D 65/80/D 80
### standard installation depth




We reserve the right to change specifications without notice.

## PKSD 1000-65/D-65/80/D-80
### max. installation depth




Warning: Only be extendable above the pressure outlet

## Description

| | | | Art.-Nr. | Gewicht (kg) | A1 | A2 | AW | 25/2 B1 | 35/2 B2 | 55/2 B2 | 10/4 B1 | 15/4 B3 | 25/4 B4 | 35/4 B4 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| (1) | **Poly-sump** | PKSD 1000-65 | **09374** | 394 | ● | ● | ● | | | | | | | |
| | | PKSD 1000-D 65*** | **09375** | 453 | ● | ● | ● | | | | | | | |
| | | PKSD 1000-80 | **09376** | 395 | | | | ● | ● | ● | ● | ● | ● | ● |
| | | PKSD 1000-D 80*** | **09377** | 455 | | | | ● | ● | | ● | ● | | |
| (2) | **Manhole cover BEGU** without ventilation | Ø 610 Kl. B 125 h = 125 | **29174** | 110 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| | | Ø 610 Kl. D 400 h = 160 | **29175** | 190 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| (3) | **Flange adaptor** | DN 80 | **30062** | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| | **Inner support sleeve** DN 80 SDR 11 | necessary for PE-pipe | **30096** | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| (4) | **Sluice valve** | | **18936** | 24 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| | **Set of earth installation equipment DN 80** | | | | | | | | | | | | | |
| | pipe connection depth | 1000-1400 mm | **18939** | 32 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| | pipe connection depth | 1250-1800 mm | **18940** | 33 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| (5) | **Flushing connection set** | 1 1/2"** | **29575** | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| | **Perrot flushing connection** stainless steel) | 1 1/2" | **29583** | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| | **Fire hose coupling size C** | 1 1/2" | **11892** | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| (6) | **Accessories for Perrot flushing connection** | House coupling | **19202** | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| | | DRS-connection | **22421** | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| | | Breathing valve | **22422** | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| | | Pressure gauge | **24666** | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| | | Claw coupling | **22420** | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| | | Flush connector 1" outside | **22466** | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| (7) | **Additional price for ball reflux valve** | K 80 | **40017** | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| (8) | **Sump extention** | PSVD 1000 x 500 GR with tie-bar and 2 inlets* | **29582** | 45 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| | | PSVD 1000 x 500 | **29955** | 41 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| | | PSVD 1000 x 500 with tie-bar and 2 inlets for KG pipe | **29204** | 42 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| (9) | **Seal lubricant** | 1 kg tube (Sufficient for two seals) | **29205** | 1 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| | | 3kg bucket | **29206** | 3 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| (10) | **Support for guide rail extension** | for single unit | **29877** | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| | | for duplex unit | **29878** | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| (11) | **Guide tube** (for guide rail extension) | stainless steel per 1,0 m | **28346** | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |

| Sump depth | 2,96 | 3,46 | 3,96 | 4,46 |
|---|---|---|---|---|
| Necessary guide tube length in m | 0,5 | 1 | 1,5 | 2 |

Guide rail for single unit order 2 x
For duplex unit order 4 x

*For sump extension 1 x necessary ** Installation only by manufacturer *** The application of submersible ball contact switches is not possible