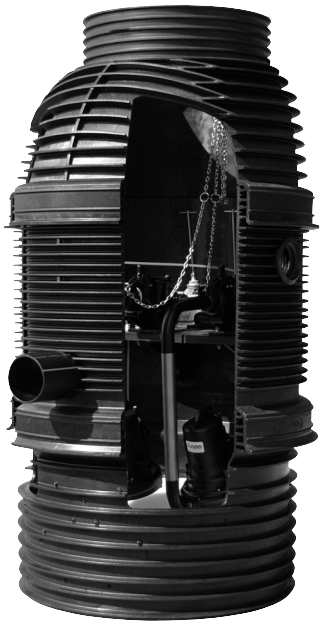
Poly-Sump PKSD 1000
for MultiCut submersible sewage pumps

Application

The buoyancy-proof and practicable sump is a complete pumping station through a combination of modular segments. It is used in combination with pressure drainage systems and as waste water collecting chamber in combination with gravity sewers pipes. It is suitable for use in areas with motor vehicle traffic (EN 124 group 4). 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 MultiCut submersible sewage pumps is available.



PKSD 1000-D 50

Description

Tested by the German Institute for Construction Engineering pre fabricated pump chamber in high grade polyethylene (PE-HD) supplied complete with connection piece for inlet, two sockets with seal for ventilation and cable duct, patented coupling system with integrated ball check valve and facility to install a flushing connection and pressure outlet DN 40 (1 1/2").
The coupling system above the switch-on water level facilitates hooking the pumps on. Pump and pressure pipe can be lowered to the coupling unit with a chain. The service gate valve can be operated from above the chamber. The installation depth without cover is 2,21 m. The installation depth can be extended to 2,71 m or 3,21 m by use of additional sump extensions. The total volume is 1216 litres (by 2,71 m 1604 litres and by 3,21 m 2002 litres). The estimated storage below pump suction is 358 litres.

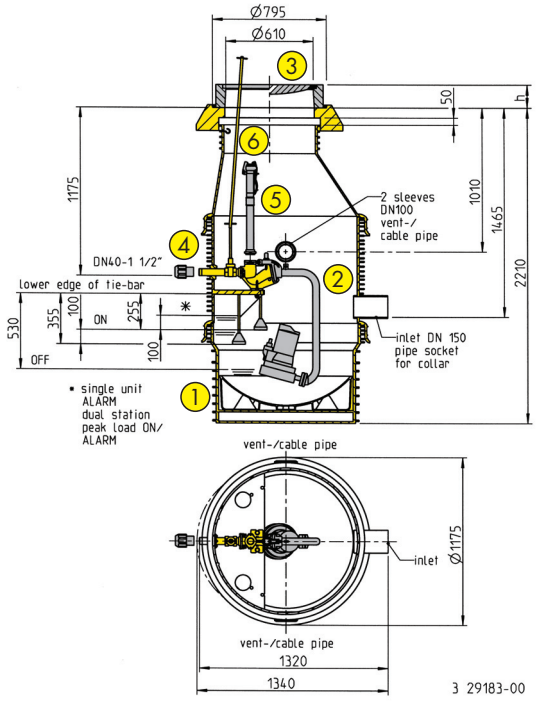
- **Practicable cl. D 400**
- **Corrosion-proof**
- **Smooth benched collection area to prevent solids build up**
- **Buoyancy-proof / ground water proof**
- **Level compensation upon setting of the floor**
- **Easy to install**

Scope of Supply

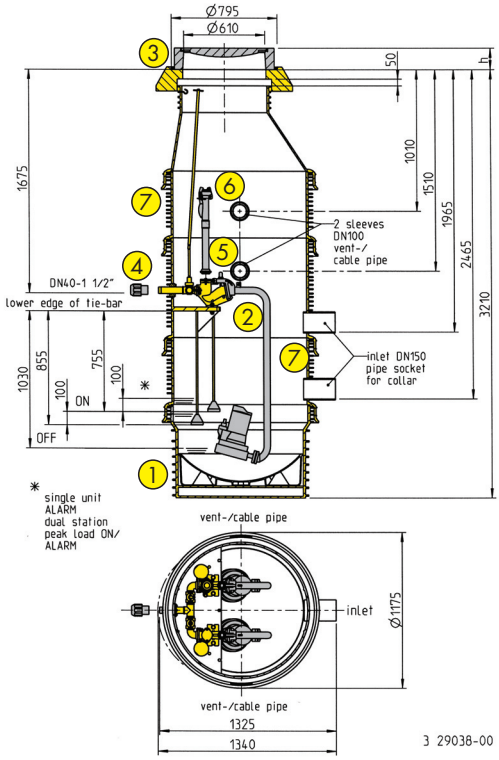
PKSD 1000-50
Polyethylene Pump Chamber in modular system. Underpart with sediment free reservoir, sump extension 1000 x 750 with tie bar, coupling unit DN 40 incl. vertically closing ball check valve and mounting arrangement for flushing connection DN 40, service gate valve, 40 mm dia. stainless steel delivery piping outlet with 1 1/2" male thread, connecting branch for collar DN 150 (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-D 50
Polyethylene Pump Chamber in modular system. Underpart with sediment free reservoir, sump extension 1000 x 750 with tie bar, coupling unit DN 40 incl. vertically closing ball check valve and mounting arrangement for flushing connection DN 40, two elbows, two service gate valves, 40 mm dia. stainless steel delivery piping outlet with 1 1/2"male thread, connecting branch for collar DN 150 (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 - 50/D50
standard installation depth



PKSD 1000 - 50/D50
max. installation depth



We reserve the right to change specifications without notice.

Attention: If dual units, you have to order two discharge branches and two pumps.

Decsription		Code-No.	Weight (kg)	25/2 M/ME	35/2 M	36/2 M	75/2 M	76/2 M
① **Poly-sump**	PKSD 1000-50	**9338**	296	●	●	●	●	●
	PKSD 1000-D 50	**9339**	305	●	●	●	●	●
② **Discharge branch**, with chain (stainless steel) DN 40 for standard installation depth		**29201**	8,2	●	●	●	●	●
Discharge branch, with chain (stainless steel) DN 40* for additional sump extension with inlet DN 150		**29202**	11,5	●	●	●	●	●
③ **Manhole cover BEGU with ventilation**	ø 610 cl. B. 125 h=125	**29174**	110	●	●	●	●	●
	ø 610 cl. B. 400 h=160	**29175**	190	●	●	●	●	●
④ **Single ended quick release coupling** with female thread and clamp								
for discharge branch 1½" to ø 50 mm		**22366**	0,3	●	●	●	●	●
for discharge branch 1½" to ø 63 mm		**22367**	0,4	●	●	●	●	●
⑤ **Perrot flushing connection** DN 40, 1½"		**25794**	3,4	●	●	●	●	●
⑥ **Accessories for Perrot flushing connection:**	Bend with hose nozzle ø 50 mm	**19202**	0,5	●	●	●	●	●
	DRS-connection 1/2"	**22421**	0,5	●	●	●	●	●
	Breathing valve	**22422**	1,4	●	●	●	●	●
	Pressure gauge	**24666**	1,5	●	●	●	●	●
	Claw coupling	**22420**	0,6	●	●	●	●	●
	Flush connector 1" outside	**22466**	0,4	●	●	●	●	●
⑦ **Sump extention**	PSVD 1000x500 with inlet DN 150	**29203**	43	●	●	●	●	●
	PSVD 1000x500 with 2 vents DN 100 for KG-pipe	**29204**	42	●	●	●	●	●
⑧ **Seal lubricant**	1 kg tube (sufficient for two seals)	**29205**	1	●	●	●	●	●
	3 kg bucket	**29206**	3	●	●	●	●	●

* If dual unit 2x