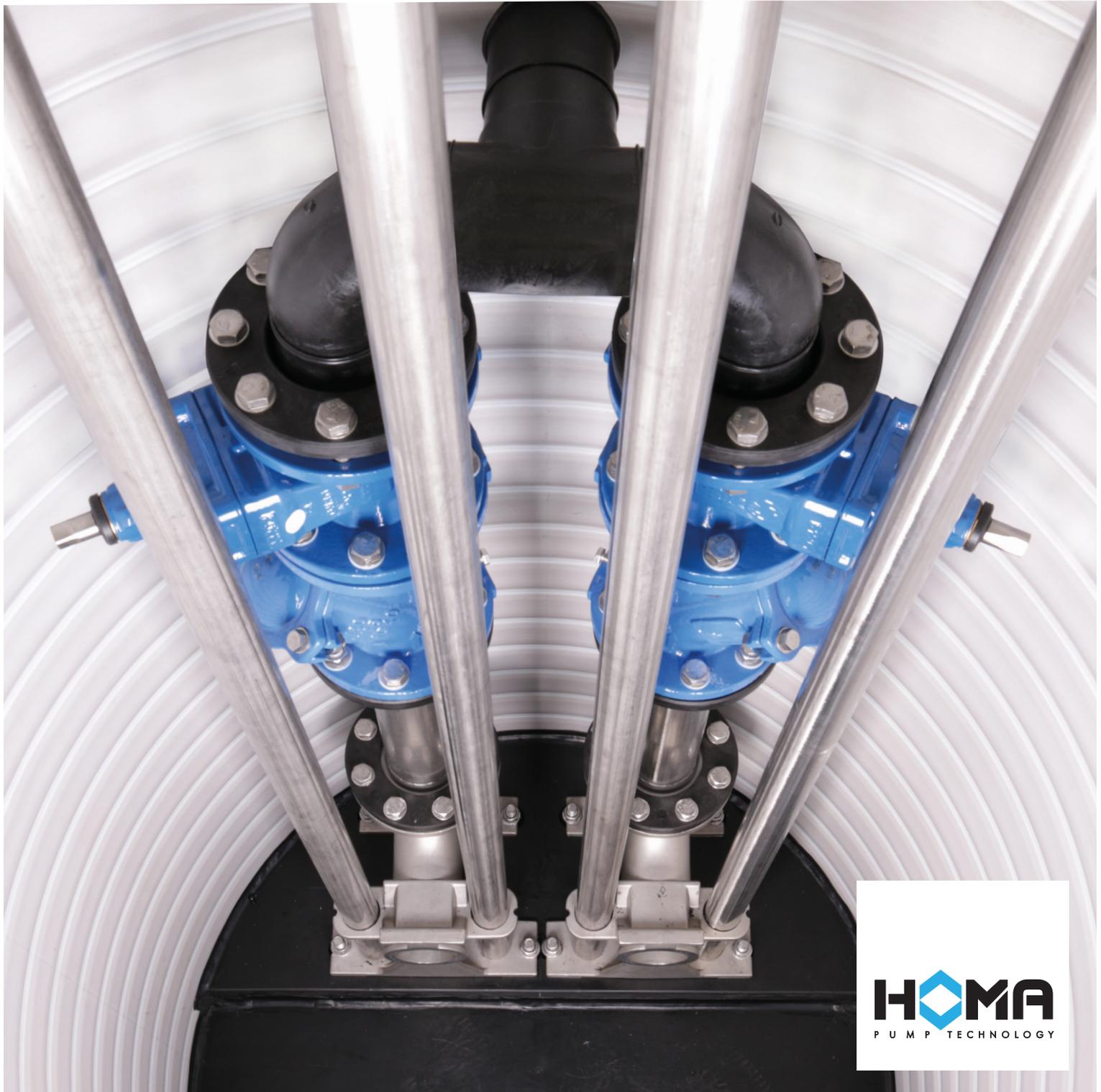


»» THE FLEXIBLE SOLUTION

The new ready-to-use SK pump stations

- › Robust construction
- › High resistance to aggressive wastewater
- › Highest reliability





»» READY TO USE, ROBUST AND VERSATILE

The HOMA SK10, SK12 and SK15 shafts are versatile and, in combination with HOMA submersible pumps, can be used as a wastewater pumping station for sanitation, pressure drainage, building and land drainage. Manufactured from HDPE, they provide two main advantages: they are low weight and therefore incur low transport and installation costs, and offer a high resistance to aggressive media and thus a long service life. This makes them a cost-effective all-round solution.

The SK pump stations consist of a bivalve HDPE pipe material according to EN 13476 and are manufactured in one piece without joints. The smooth interior and exterior walls are particularly resistant to aggressive wastewater and the wall clearance is ideal for monitoring. The shafts are closed by a flat, fully upright base plate for installation on a flat and stable surface. The circumferential base protrusion enables integration for buoyancy control.

» OUR EXPERTISE IS YOUR ADVANTAGE

Particularly flexible

In the standard delivery program, shafts are available with diameters measuring from DN 1000 to DN 1500 with shaft depths of up to 4 meter. Upon request, larger shaft diameters and shaft depths are available. The pipe openings for the feed, the pressure pipe connection, the cable conduit, ventilation pipes and other pipe connections can be freely selected in terms of diameter and position. These are also made of HDPE and extruded from inside and outside in the shaft wall so as to be waterproof. Transition pieces for other pipe materials such as DIN flanges, collars, threads, sockets, spigots or similar transition pieces are also available in the HOMA delivery program.

Particularly secure

The sump, with sloping berms as a truncated cone made of HDPE sheet material to prevent deposits and minimise the residual volume, is welded to the shaft structure. The shafts have a base reinforcement that enables you to set up pump foot bends and act as an

additional reinforcement against bending when handling groundwater. Special mounting options for security during transportation and hoist for moving the structures on the shaft casing, for easy installation of the shafts at the installation site.

Everything complete

The SK10 shafts are available as a single or dual pumping station. They can be used with domed cover and cast cover as standard without further concrete cover. The equipment includes a pressure pipe with guide tubes, non-return valve, ball valve and a flushing connection as well as a gauge tube for the level probe.

The SK12 and SK15 shaft structures are equipped as a single or double pumping station according to the proposed pumps. They feature fully pre-assembled stainless steel pipes, valves and check valves as well as pump positioning pieces and guide tubes with upper guide tube-holders. Factory-adjusted equipment with ladder, fall protection, intermediate landing with grating, potential equalisation and

hooks for chains and cables are also optionally available, as well as mounting options for level sensors or other fixed fixtures.

Put a lid on it!

In an environment which is aggressive to concrete, the steel concrete covering plate is also available with a HDPE liner or a walkable HDPE cover with a stainless steel or HDPE lid.



The HOMA SK shafts are available as a single or dual pumping station



Automatic coupling system made from stainless steel

ADVANTAGES OF HDPE STRUCTURES

- » PEHD shaft construction as double-walled structure, corrosion and aging resistant to aggressive wastewater, aqueous solutions of salts and alkalis.
- » Manufactured as a jointless watertight prefabricated shaft according to EN 13476 with a ring stiffness of at least SN 4.
- » Smooth inner and outer surface with level enlarged base plate for easy installation on level load-bearing ground (concrete foundation).
- » Pump sump made of PEHD and seamlessly connected to the structure at the factory, cone sump-shaped with berm inclination.
- » Raised floor with reinforcement for buoyancy control firmly connected to the sump bottom.
- » All wall penetrations factory-welded inside and outside to the shaft shell, inlet freely selectable in position and direction, cable ducts and attachment points to accommodate chains and cables.
- » Fastening options for transport securing and lifting gear for moving the structures.
- » PEHD material 100% recyclable, high resistance to mechanical damage. The PE material has a guaranteed service life of 50 years.
- » Optional tightness monitoring.
- » Optional accessories such as manhole cover, load distribution plate, ladder with access aid, intermediate platform and others on request.

Designation	Height (mm)	DN pressure line installations
Single pump station / double pump station 1000 - 1500 mm diameter		
SK 10-50SN2/1-3100 / SK 10-50SN2/2-3100	3100	50
SK 12-50/1-2500** / SK 12-50/2-2500**	2500	50
SK 12-50/1-3000** / SK 12-50/2-3000**	3000	50
SK 12-50/1-3500** / SK 12-50/2-3500**	3500	50
SK 12-50/1-4000** / SK 12-50/2-4000**	4000	50
SK 12-80/1-2500*** / SK 12-65/2-2500***	2500	80/65
SK 12-80/1-3000*** / SK 12-65/2-3000***	3000	80/65
SK 12-80/1-3500*** / SK 12-65/2-3500***	3500	80/65
SK 12-80/1-4000*** / SK 12-65/2-4000***	4000	80/65
SK 15-50/1-2500** / SK 15-50/2-2500**	2500	50
SK 15-50/1-3000** / SK 15-50/2-3000**	3000	50
SK 15-50/1-3500** / SK 15-50/2-3500**	3500	50
SK 15-50/1-4000** / SK 15-50/2-4000**	4000	50
SK 15-80/1-2500*** / SK 15-80/2-2500***	2500	80
SK 15-80/1-3000*** / SK 15-80/2-3000***	3000	80
SK 15-80/1-3500*** / SK 15-80/2-3500***	3500	80
SK 15-80/1-4000*** / SK 15-80/2-4000***	4000	80
SK 15-100/1-2500*** / SK 15-100/2-2500***	2500	100
SK 15-100/1-3000*** / SK 15-100/2-3000***	3000	100
SK 15-100/1-3500*** / SK 15-100/2-3500***	3500	100
SK 15-100/1-4000*** / SK 15-100/2-4000***	4000	100

** SK12(15)-50 / ...: with coupling system for GRP56 to GRP111

*** SK12(15)-80 (-100) /...: with coupling system for pump types MXS and VX

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