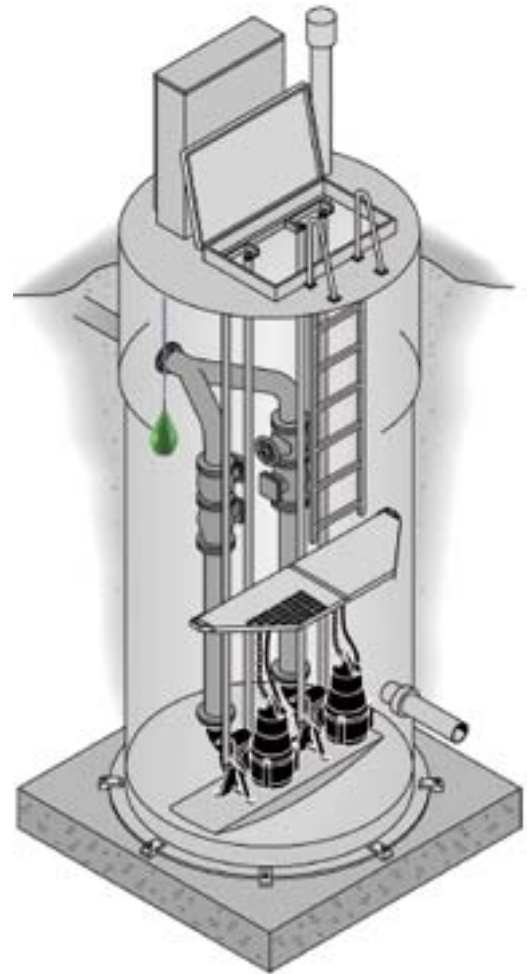


LEVEL SWITCH

Type SLC-10E / SLC-20E / MS-1



Model / Type	Product No.	Cable Length
SLC-10E	96061654	10 m
SLC-20E	96061656	20 m
MS-1	96003332	10 m
	96003695	20 m

Environment-friendly level regulator

The level regulator SLC-10 / 20E / MS-1 have been designed specifically to eliminate those materials potentially harmful to the environment which are normally found in this type of switch. The switch therefore contains no mercury or lead yet remains reliable and positive in operation. It is a simple modern device capable of solving all liquid level control problems in a safe and economical way.

The mercury switch generally used in this type of level regulator has been replaced by a micro switch and the use of lead to achieve internal weighting, has been eliminated. These materials have, in the past, presented concern to users in the event of damage to the regulator and procedures for subsequent disposal.

Our internally weighted level regulator is intended principally for the control of pumps handling water, wastewater, raw sewage and general drainage water. However, the polypropylene casing and cable with PVC outer sheathing make the units resistant to a wide range of chemicals.

In a typical single pump installation, 2 units are installed, one for switching on and one for switching off. A third one may be used to operate an alarm device and additional units are required for multiple pump installation. Standard versions include 10 or 20 metre cable lengths. Other cable lengths, on request.

Main Features

- The microswitch, fitted in a dual-chamber system, is completely shock and rupture-proof
- The drop shape of the stabilizing weight eccentrically mounted in the housing makes the float switch insensitive to turbulence.
- Due to the smooth and non-porous polypropylene surface, impurities cannot adhere, and rags, papers and other solid matters slip off without influencing the lift of the float switch.
- The cable entry is sealed mechanically and fitted with a solid strain relief. A separate chamber in the cable entry is filled with a synthetic resin assuring no penetration of humidity. The cable is stripped before conductors are embedded in the synthetic resin.
- The highly flexible thermoplastic rubber cable has an extremely high mechanical load rating.

Technical Data

Max voltage	: 250V AC
Max. current	: 6 (3) A
Max. operating pressure (+20°C)	: 4 bar
Max liquid temperature	: 85°C
Enclosure class	: IP 68
Casing length/diameter	: 160mm/100mm

Installation

The level regulators should be suspended securely from a bracket located in an accessible position towards the top of the pump well. Although the SLC 10 / 20 / MS1 level regulators have been designed for use on up to 250V, local codes and regulations may require them to be used on a low voltage supply. Grundfos recommends 24V supply from a protective transformer. For installation in explosive atmospheres, the regulators must be used in conjunction with appropriate intrinsically safe circuits.

Connections

