

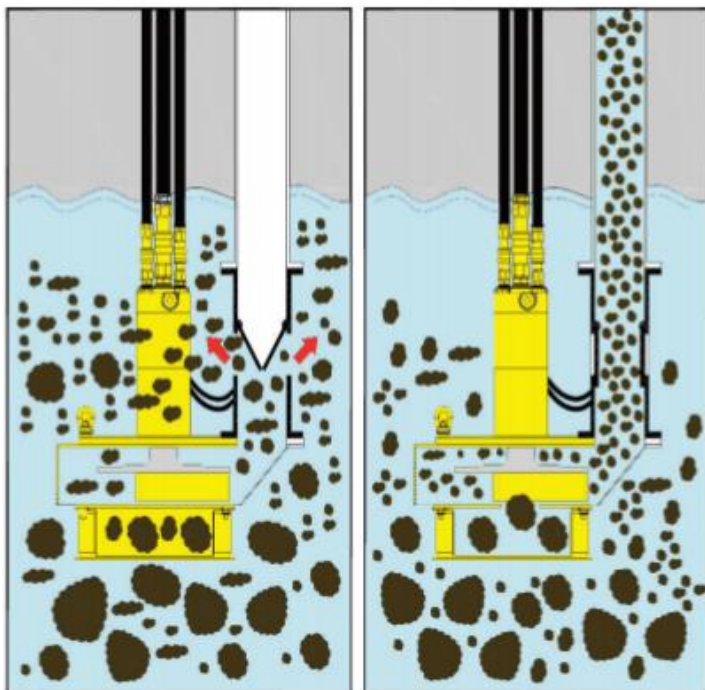


SG4 installed on SP45

The SG4 is an accessory for trash water pumps (models SP45, SP55 and SP65). The SG4, a set formed by a body and a cylinder, is an element to be installed on the outlet mouth of the pump. The SG4 has a hydraulic control valve and hoses that control the opening/closing function of the gate. The SG4 transforms the pump into a "mixer" allowing it to shake and reduce thick, loaded and viscous liquids into a more fluid state (e.g. liquids that can be found in waste water treatment plants, anaerobic digesters, API separators, environmental operations, petrochemical plants and refineries, and other types of liquid that are difficult to pump. The SG4 is a "retrofit accessory" that can be installed on the pump after the purchase. Its action as mixer is necessary when the liquid that is to be pumped is very thick and contain suspended solids (like sediments, mud balls, oil balls or other agglomerate of semi-solid/pasty liquids). The "balls" must be disintegrated to become more fluid and pumpable. The neutralisation of the "balls" is also necessary to avoid choking the pump inlet. After some minutes of this treatment, the liquid can better be pumped, and the pump can be used in its natural function.

HOW IT WORKS

The action of the SG4 is very simple. The SG4 is a flow diverter placed on the outlet mouth of the pump that can direct the fluid in its natural "upward" pumping direction or divert it aside through the two openings, repumping it into its bed. Once the fluid is shaken and minced into a more liquid and pumpable state, the side openings can be closed (by acting on the hydraulic valve that is part of the set), and the pump can be used in its normal pumping action. The SG4 can be installed and removed from the pump in a matter of minutes.

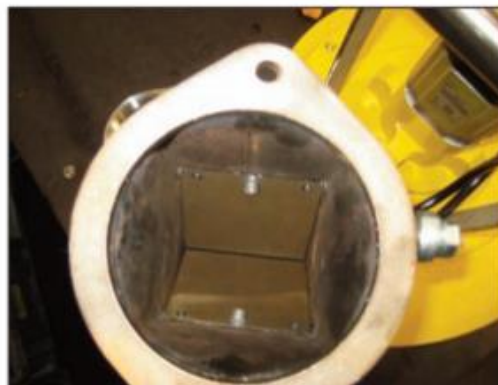


Windows open

Pump impeller is mincing
suspended solids

Windows closed

Fluid is pumped up
from outlet passage



Windows open

TYPICAL APPLICATIONS

In waste water treatment plants, anaerobic digesters, API separators, petrochemical plants and refineries, environmental operations and for pumping thick and loaded liquid.

TECHNICAL CHARACTERISTICS

FLUID PASSAGE	EQUALS TO 6"
TOTAL HEIGHT	370 mm
WEIGHT	12 Kg
CYLINDER TYPE	DOUBLE EFFECT
CONTROL VALVE	3 POSITION OPEN CENTRE